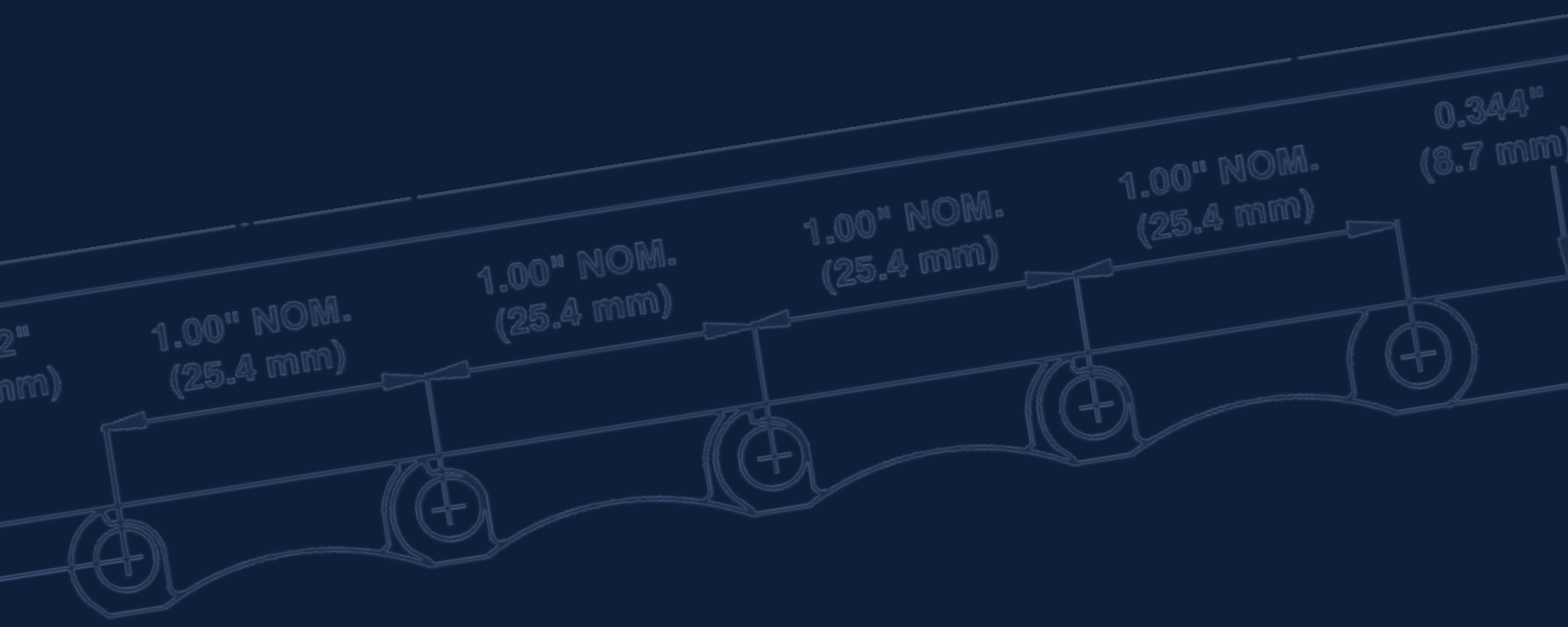
MODULAR BELTING

PLASTIC MODULAR BELT · STRAIGHT-RUNNING · RADIUS · SPIRAL

INTRALOX | REXNORD | SYSTEM PLAST | MOVEX | REGINA | UNI-CHAINS



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CONTENTS

TABLE OF CONTENTS

INTRALOX · STRAIGHT-RUNNING

Series 100 · Flush Grid 07
Series 100 · Raised Rib 08
Series 100 09
Series 200 · Open Grid 13
Series 200 · Flush Grid 14
Series 200 · Open Hinge 15
Series 200 · Sprocket & Support Quantity Reference 16
Series 200 · Molded Sprocket 17
Series 200 · Double No-Cling Flights 18
Series 200 · Dead Plate Gap 19
Series 400 · Flush Grid 20
Series 400 · Raised Rib 21
Series 400 · Open Hinge 22
Series 400 · Flat Top 23
Series 400 · Non Skid 24
Series 400 · Roller Top 25
Series 400 · Transverse Roller Top™ (TRT™) 26
Series 400 · 0.85-in Diameter Transverse Roller Top™ (TRT™) 27
Series 400 · 0-Degree Angled Roller™ 28
Series 400 · 30-Degree Angled Roller™ 29
Series 400 · 90-Degree Angled Roller™ 30
Series 400 · 0.78-in Diameter 90-Degree Angled Roller™ 31
Series 400 32
Series 550 47
Series 560 · Flat Top 51
Series 560 · Flush Grid 52
Series 560 53
Series 800 · Flat Top 56
Series 800 · Open Hinge Flat Top 57
Series 800 · Open Hinge Flat Top with Heavy-Duty Edge 58
Series 800 · SeamFree™ Open Hinge Flat Top 59
Series 800 · Tough Flat Top 60
Series 800 · Perforated Flat Top 61
Series 800 · Perforated Flat Top Round Hole 62
Series 800 · Perforated Flat Top 11/32 in Round Hole with Heavy-Duty Edge 63
Series 800 · Flush Grid 64
Series 800 · Mesh Top 65
Series 800 · Mini Rib 66
Series 800 · Nub Top 67
Series 800 · Flush Grid Nub Top 68
Series 800 · SeamFree™ Open Hinge Nub Top™ 69
Series 800 · Cone Top™ 70
Series 800 · Open Hinge Cone Top™ 71
Series 800 · SeamFree™ Open Hinge Cone Top™ 72
Series 800 · Raised Rib 73
Series 800 · Roller Top 74
Series 800 · Rounded Friction Top 75
Series 800 76
Series 850 · SeamFree™ Minimum Hinge Flat Top 92
Series 850 · SeamFree™ Minimum Hinge Cone Top™ 93
Series 850 94
Series 888 · Medium Slot 97
Series 888 · Medium Slot Stainless Steel Link (SSL) 98
Series 888 · Large Slot Stainless Steel Link (SSL) 99
Series 888 · Round Hole Enhanced 100
Series 888 101
Series 900 · Open Grid 104
Series 900 · Flush Grid 105
Series 900 · Open Flush Grid 106
Series 900 · Mold to Width Flush Grid 107
Series 900 · ONEPIECE™ Live Transfer Flush Grid 108
Series 900 · Raised Rib 109
Series 900 · Raised Rib with Heavy-Duty Edge 110
Series 900 · Mold to Width Raised Rib 111
Series 900 · Flat Top 112
Series 900 · Mold to Width Flat Top 113
Series 900 · ONEPIECE™ Live Transfer Flat Top 114
Series 900 · Perforated Flat Top 115
Series 900 · Mesh Top 116
Series 900 · Diamond Friction Top 117
Series 900 · Square Friction Top 118
Series 900 · Mold to Width 29 mm Square Friction Top 119
Series 900 · Flat Friction Top 120
Series 900 · Flush Grid with Insert Rollers 121
Series 900 · Nub Top 122
Series 900 · Flush Grid Nub Top 123
Series 900 · S900 Mold to Width Flat Top with Holes 124
Series 900 125
Series 1000 · Flat Top 136
Series 1000 · Flush Grid 137
Series 1000 · Insert Roller 138
Series 1000 · High-Density Insert Roller 139
Series 1000 · High-Density Insert Roller 85 mm 140

CONTENTS

TABLE OF CONTENTS (2)

Series 1000 · Flat Friction Top 85 mm 141
Series 1000 · Mold to Width Flat Top with Tabs 142
Series 1000 · Flat Top 85 mm 143
Series 1000 · Flat Top ONEPIECE™ Live Transfer 6.3 in 144
Series 1000 · Flat Friction Top 145
Series 1000 · Mold to Width Flat Top 146
Series 1000 · Mold to Width Flat Friction Top 147
Series 1000 · Non Skid Raised Rib 148
Series 1000 149
Series 1100 · Flush Grid 156
Series 1100 · Flat Top 157
Series 1100 · Perforated Flat Top 158
Series 1100 · Flush Grid Friction Top 159
Series 1100 · Flush Grid Friction Top, No Indent 160
Series 1100 · ONEPIECE™ Live Transfer Flush Grid 161
Series 1100 · Flush Grid Nub Top 162
Series 1100 · Embedded Diamond Top 163
Series 1100 · Cone Top 164
Series 1100 · Flush Grid Mold to Width, 38 mm and 46 mm Wide 165
Series 1100 166
Series 1200 · Flush Grid 174
Series 1200 · Flat Top 175
Series 1200 · Raised Rib 176
Series 1200 · Non Skid 177
Series 1200 · Non Skid Raised Rib 178
Series 1200 179
Series 1400 · Flat Top 188
Series 1400 · Mold to Width Flat Top 189
Series 1400 · ONEPIECE™ Live Transfer Flat Top 190
Series 1400 · 6 in (152 mm) Flat Top Mold to Width Self-Clearing Edge 191
Series 1400 · ONEPIECE™ 9.3 in (236 mm) Live Transfer Flat Top 192
Series 1400 · Flush Grid 193
Series 1400 · Flat Friction Top 194
Series 1400 · Square Friction Top 195
Series 1400 · 3.25 in Mold to Width Flat Friction Top with Tabs 196
Series 1400 · Mold to Width Square Friction Top 197
Series 1400 · Oval Friction Top 198
Series 1400 · Mold to Width Oval Friction Top 199
Series 1400 · Roller Top 200
Series 1400 · Non Skid 201
Series 1400 · Embedded Diamond Top 202
Series 1400 · Flat Top Easy Release PLUS 203
Series 1400 · Flat Top Easy Release Traceable Polypropylene 204
Series 1400 · ProTrax™ with Tabs 205
Series 1400 206
Series 1500 · Flush Grid 215
Series 1500 · Flush Grid with Contained Edge 216
Series 1500 217
Series 1600 · Open Hinge Flat Top 221
Series 1600 · Mold to Width Open Hinge Flat Top 222
Series 1600 · Nub Top 223
Series 1600 · Mini Rib 224
Series 1600 · Mesh Top 225
Series 1600 · Mesh Nub Top 226
Series 1600 · Raised Open Grid 227
Series 1600 228
Series 1650 · SeamFree™ Minimum Hinge Flat Top 233
Series 1650 234
Series 1700 · Flush Grid 237
Series 1700 · Flush Grid Nub Top 238
Series 1700 · Transverse Roller Top™ (TRT™) 239
Series 1700 240
Series 1750 · Flush Grid 245
Series 1750 246
Series 1800 · Flat Top 251
Series 1800 · Mesh Top 252
Series 1800 253
Series 1900 · Raised Rib 258
Series 1900 259
Series 4400 · Transverse Roller Top™ (TRT™) 264
Series 4400 265
Series 4500 · Flush Grid 270
Series 4500 · Flat Top 271
Series 4500 · Non Skid 272
Series 4500 · Non Skid Raised Rib 273
Series 4500 · Embedded Diamond Top 274
Series 4500 275
Series 9000 · Flush Grid 283
Series 9000 284
Series 9000 289 285
Series 10000 · Flat Top 289
Series 10000 · Mold to Width Flat Top 290
Series 10000 · Non Skid Raised Rib 291
Series 10000 · Non Skid Perforated 292

CONTENTS

TABLE OF CONTENTS (3)

Series 10000 293

INTRALOX · RADIUS

Product Line 298
Series 2100 · ZERO TANGENT™ Radius Flat Top 299
Series 2100 300
Series 2200 · Radius Flush Grid 303
Series 2200 · Radius Flush Grid High Deck 304
Series 2200 · Radius Friction Top 305
Series 2200 · Radius with Edge Bearing 306
Series 2200 · Radius Flush Grid High Deck with Edge Bearing 307
Series 2200 · Radius Flush Grid (2.6) with Insert Rollers 308
Series 2200 309
Series 2300 · Flush Grid Nose-Roller Tight Turning 315
Series 2300 · Flush Grid Nose-Roller Tight Turning with Edge Bearing 316
Series 2300 · Flush Grid Nose-Roller Dual Turning 317
Series 2300 318
Series 2400 · Radius Flush Grid (1.7) 323
Series 2400 · Radius Flush Grid (2.2) 324
Series 2400 · Mold to Width Radius Flush Grid 2.2 325
Series 2400 · Radius Flush Grid High Deck 326
Series 2400 · Radius Flush Grid with Heavy-Duty Edge 327
Series 2400 · Radius Friction Top (2.2) 328
Series 2400 · Radius Flush Grid (2.4) with Insert Rollers 329
Series 2400 · Radius Flush Grid (2.8) with Insert Rollers 330
Series 2400 · Radius Raised Rib 331
Series 2400 · 0.4 in High Radius Friction Top 332
Series 2400 · Radius with Edge Bearing 333
Series 2400 · Radius Flush Grid High Deck with Edge Bearing 334
Series 2400 · Radius Flush Grid with Load-Sharing™ Edge 335
Series 2400 · Radius Flush Grid High Deck with Load-Sharing™ Edge 336
Series 2400 · Radius Flush Grid Friction Top 2.2 with Load-Sharing™ Edge 337
Series 2400 · MTW Radius Flush Grid Friction Top 2.2 with Load-Sharing™ Edge 338
Series 2400 · MTW Radius Flush Grid 2.2 with Load-Sharing™ Edge 339
Series 2400 340
Series 3000 · Knuckle Chain 353
Series 3000 · Mesh Top 354
Series 3000 355
Series 4000 · S4009 Flush Grid 358
Series 4000 · S4009 Flat Top 359
Series 4000 · S4014 Flat Top 360
Series 4000 · S4030 7.5-in ProTrax™ Sideflexing Flat Top with Tabs 361
Series 4000 · S4031 7.5-in ProTrax™ Sideflexing Flat Top with Tabs 362
Series 4000 · S4032 7.5-in ProTrax™ Sideflexing Flat Top with Tabs 363
Series 4000 · S4033 7.5-in ProTrax™ Sideflexing Flat Top 364
Series 4000 · S4090 Sideflexing Flat Top 365
Series 4000 · S4091 Sideflexing Flat Top 366
Series 4000 · S4092 Sideflexing Flat Top 367
Series 4000 · S4092 Sideflexing Square Friction Top 368
Series 4000 369

INTRALOX · SPIRAL

Product Line 377
Series 2600 · Spiral 1.0 378
Series 2600 · Spiral 1.1 379
Series 2600 · Spiral 1.6, 2.0 380
Series 2600 · Spiral 2.2, 2.5, and 3.2 381
Series 2600 · Spiral Rounded Friction Top 382
Series 2600 · Dual Turning 2.0 383
Series 2600 384
Series 2700 · Spiral 1.6 390
Series 2700 · Spiral 2.2 391
Series 2700 · Spiral 2.7 392
Series 2700 · Dual Turning 2.0 393
Series 2700 · Side Drive 394
Series 2700 · Side Drive V2 395
Series 2700 · Spiral Rounded Friction Top 396
Series 2700 397
Series 2800 · Spiral GTech 1.6 402
Series 2800 · Spiral GTech Rounded Friction Top 403
Series 2800 · Spiral GTech 2.2 and 3.2 404
Series 2800 · Spiral DirectDrive™ 405
Series 2800 406
Series 2850 · DirectDrive™ Stacker 410
Series 2850 411
Series 2900 · Spiral DirectDrive™ (DD) 413
Series 2900 · Spiral 1.6 414
Series 2900 · Spiral 2.2 415
Series 2900 416
Series 2950 · DirectDrive™ Stacker 419
Series 2950 420
Products 422

REXNORD

390-Series 424
500-Series 425
1500-Series 429

CONTENTS

TABLE OF CONTENTS (4)

8500-Series 436
5930-Series 440
1001-Series 443
1000-Series 444
1005-Series 451
1010-Series 457
1020-Series 460
1090-Series 462
7700-Series Uni-Chains (Ammeraal Beltech) 464
2000-Series 469
2010-Series 474
6990-Series 478
6990-Series Hybrid 480
3120-Series 483
3185-Series 485
3125-Series 486
505-Series 489
1200-Series Regina Chains (Matveyor) 493
7956-Series 502

SYSTEM PLAST

Series 2080 507
Series 2120 516
Series 2190 562
Series 2124 576
Series 2250 577
Series 2253 623
Series 2251 629
Series 2500 (Raised Rib) 665
Series 2508 669
Series 2630 672
Chainbelt (2250/2251/2260) 675
Additional Information 680

MOVEX

Series 510 684
Series 520 685
Series 590 698
Series 525 702
Series 530 712
Series 550 718
Series 551 730
Series 552 743
Series 556 753
Series 600 757
500 RR 770
Series 260 775
Series 261 776

REGINA

8Mm Nanopitch Belt 812
½" Pitch Belts & Chains 816
1" Pitch Light Duty Belts & Chains 847
¾" Pitch Medium Duty Belts & Chains 880
1" Pitch Heavy Duty Belts & Chains 894
1¼" Pitch Heavy Duty Sideflexing Belts 924
Heavy Duty Fixed Radius Belts 935
2" Pitch Heavy Duty Raised Rib Belts 942
1½" Pitch Heavy Duty UCC Chains 950

UNI-CHAINS

uni NTB C 960
uni M-TTB 37% 961
uni M-TTB 37% CS 965
uni M-QNB NS 969
uni M-QNB Vacuum 971
uni M-QNB C 973
uni S-MPB C 976
uni S-MPB CS 22% 981
uni S-MPB N 984
uni SNB M2 20% 987
uni SNB M2 34% 992
uni SNB M2 34% Rib 996
uni SNB M2 50% 999
uni JCB Y 1003
uni QNB C 1005
uni QNB Rough 1009
uni OWL 66% 1012
uni OPB 4 C 1014
uni OPB 4V Vacuum 1018
uni OPB 4V 23% Fine Meshed 1021
uni OPB 4V 23% Rib 1025
uni OPB 4V 23% 1029
uni OPB 4V 36% 1034
uni OPB 4V C 1039
uni OPB 4V Rough 1043
uni OPB 8 20% 1050
uni OPB 8 25% 1054

CONTENTS

TABLE OF CONTENTS (5)

uni OPB 8 C 1059
uni OPB 8M C 1063
uni OPB 8P C 1068
uni OPB 8 Rough 1072
uni SSB C 1075
uni SSB 22% 1079
uni SSB 29% 1083
uni SSB 32% 1086
uni BLB 18% 1089
uni BLB 22% 1092
uni BLB 38% 1095
uni CPB C 1098
uni CPB Rough Embedded 1102
uni CPB 20% Rough 1104
uni CPB C Rough 1108
uni CPB M2 C 1112
uni CPB M2 Rough 1115
uni CSB 8% Rough 1118
uni CSB C 1122
uni CSB Rough 1126
uni MPB 16% 1130
uni MPB 20% 1134
uni MPB 22% 1139
uni MPB C 1143
uni MPB Flights 1147
uni MPB G 1151
uni MPB N 1154
uni MPB RO 1157
uni MPB 18% 1159
uni MPB Pop-up flight 1163
uni ECB C 1167
uni RTB M1 1170
uni RTB M2 Rubber Top 1173
uni RTB M2 1176
uni XLB M2 C 1180
uni XLB M2 Rough 1183
uni XLB M2 15% Rough 1186
uni XLB M2 V8 1189
uni X-MPB C 1191
uni M-PNB M1 40% 1194
uni M-SNB M2 14% 1197
uni M-SNB M3 14% 1200
uni Light C 1203
uni Light 10% 1207
uni Light 22% 1211
uni Light Rough 1215
uni Light 10% SR 1219
uni Light 18% 1223
uni Light Rib 1227
uni Light Vacuum 1230
uni CNB C 1232
uni CNB 18% 1235
uni CNB 22% 1238
uni Light EP C 1241
uni Light EP 22% Fine-meshed 1245
uni Light EP Rib C 1249
uni Light EP 8.5% 1252
uni Light EP 18% 1256
uni Light EP 22% 1260
uni Light EP 28% 1264
uni Light EP 33% 1268
uni Light EP 33% Rib 1272
uni Light EP 46% 1275
uni Light EP Vacuum 1279
uni L-SNB 36% 1282
uni L-SNB Rib 36% 1285
uni LPB Rough POM-NLAS 1288
uni LPB Rough POX-FREC 1290
uni ULB C 1292
uni Flex L-ASB 1296
uni Flex ONE 1306
uni Flex SNB 1314
uni Flex ASB 1322
uni Flex L-ASB 60% Open Radius 2.2 1328
uni Flex OSB 60% Open Radius 2.2 1329
uni Flex L-OSB 65% Open Radius 2.2 1330

INTRALOX

STRAIGHT-RUNNING BELTS

PLASTIC MODULAR BELTING · SERIES DATA, SPROCKETS & ACCESSORIES

07 Series 100
13 Series 200
20 Series 400
47 Series 550
51 Series 560
56 Series 800
92 Series 850
97 Series 888
104 Series 900
136 Series 1000
156 Series 1100
174 Series 1200
188 Series 1400
215 Series 1500
221 Series 1600
233 Series 1650
237 Series 1700
245 Series 1750
251 Series 1800
258 Series 1900
264 Series 4400
270 Series 4500
283 Series 9000
289 Series 10000

INTRALOX · STRAIGHT-RUNNING

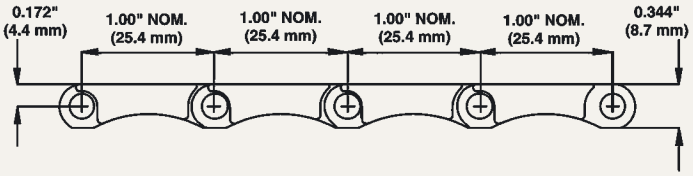
SERIES 100 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.00	25.4
Minimum Width	1.5	38
Width Increments	0.25	6.4
Opening Size (approximate)	0.2 × 0.2	5 × 5
Open Area	31%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight, relatively strong belt with smooth upper surface.
- Smaller pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For more material selections and stronger belt performance, see S560, S900, S1000, and S1100.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	300	450	34 to 220	1 to 104	0.54	2.64
Polyethylene	Polyethylene	200	300	-50 to 150	-46 to 66	0.58	2.83
Acetal	Polypropylene	600	890	34 to 200	1 to 93	0.78	3.81
HSEC acetal	Polypropylene	400	595	34 to 200	1 to 93	0.78	3.81
Acetal[1]	Polyethylene	550	820	-50 to 70	-46 to 21	0.78	3.81

[1] Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

INTRALOX · STRAIGHT-RUNNING

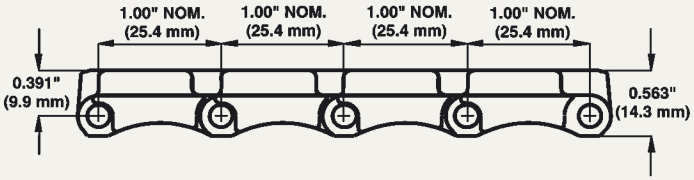
SERIES 100 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	1.00	25.4
Minimum Width	1.5	38
Width Increments	0.25	6.4
Opening Size (approximate)	0.2 × 0.2	5 × 5
Open Area	31%	
Product Contact Area	28%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with closely spaced ribs.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Can be used with finger transfer plates to eliminate product tipping and hang-ups.
- For more material selections and stronger belt performance, see Series 900 Raised Rib.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	300	450	34 to 220	1 to 104	0.82	4.00
Polyethylene	Polyethylene	200	300	-50 to 150	-46 to 66	0.88	4.29
Acetal	Polypropylene	600	890	34 to 200	1 to 93	1.20	5.86
Acetal[1]	Polyethylene	550	820	-50 to 70	-46 to 21	1.20	5.86

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

INTRALOX · STRAIGHT-RUNNING

SERIES 100

MOLDED SPROCKET

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6 (13.40%)	2.0	51	2.1	53	0.75	19		1.0		
11 (4.05%)	3.5	89	3.7	94	0.75	19		1.0, 1.5		40
19 (1.36%)	6.1	155	6.3	160	1.25	32		1.5, 2.5		40, 60, 65



MOLDED SPROCKET

SPLIT METAL SPROCKET

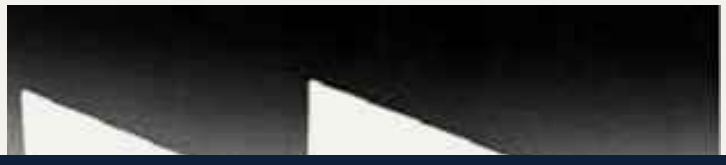
NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
11 (4.05%)	3.5	89	3.7	94	1.5	38		1.5		40
19 (1.36%)	6.1	155	6.3	160	1.5	38		1.5, 2.5		40, 60, 65



SPLIT METAL SPROCKET

STREAMLINE/NO-CLING FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1.5	38	Polypropylene, polyethylene, acetal



STREAMLINE/NO-CLING FLIGHTS

- No fasteners are required.
- Streamline/No-Cling flights are smooth on one side and vertically ribbed on one side.

INTRALOX · STRAIGHT-RUNNING

SERIES 100

SIDEGUARDS

SIDEGUARDS

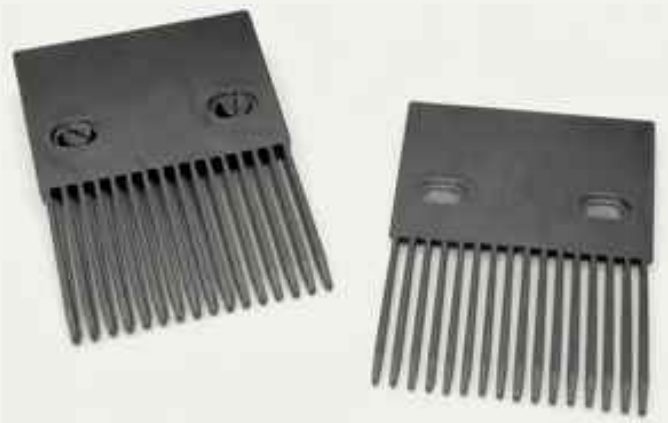
AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal



SIDEGUARD

SIDEGUARDS

- Sideguards are used with Flush Grid belts to ensure product containment, they are of the standard overlapping design. Sideguards are an integral part of the belt, fastened by the hinge rods.
- When going around the 6 and 11 tooth sprockets, the sideguards fan out, opening a gap at the top that can allow small products to fall out. The sideguards stay completely closed when wrapping around the 19 tooth sprocket.
- Standard sideguard orientation is angled inward toward the product. If needed, sideguards can be angled outward toward the conveyor.
- Minimum indent: 0.75 in (19 mm).
- Standard gap between the sideguards and the edge of a flight: 0.06 in (2 mm).



FINGER TRANSFER PLATES

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.

FINGER TRANSFER PLATES

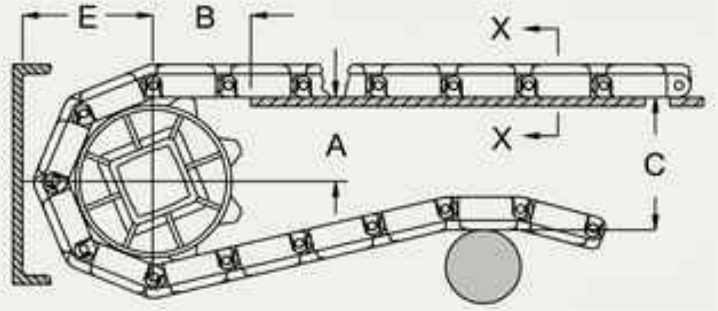
AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
4	102	16	Acetal

FINGER TRANSFER PLATES

- Designed for use with Series 100 Raised Rib belts, to eliminate product transfer and tipping problems.
- The fingers extend between the belt ribs, to allow a smooth continuation of the product flow as the belt engages the sprockets.
- Easily installed on the conveyor frame with the supplied shoulder bolts.

INTRALOX · STRAIGHT-RUNNING

SERIES 100 (CONT.)



CONVEYOR FRAME DIMENSIONS A, B, C, E (A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.))

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S100 FLUSH GRID										
2.0	51	6	0.69-0.83	18-21	1.30	33	2.10	53	1.24	31
3.5	89	11	1.53-1.60	39-41	1.70	43	3.60	91	2.01	51
6.1	155	19	2.82-2.87	72-73	2.20	56	6.20	157	3.30	84
S100 RAISED RIB										
2.0	51	6	0.69-0.83	18-21	1.30	33	2.10	53	1.45	37
3.5	89	11	1.53-1.60	39-41	1.70	43	3.60	91	2.23	57
6.1	155	19	2.82-2.87	72-73	2.20	56	6.20	157	3.52	89

A ± 0.031 in (1 mm); B ± 0.125 in (3 mm); C ± (max.); E ± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 100

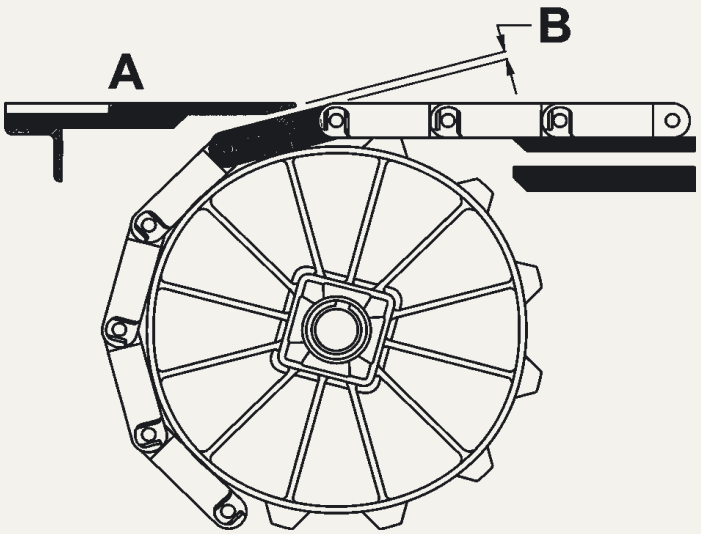
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
2.0	51	6	0.134	3.4
3.5	89	11	0.073	1.9
6.1	155	19	0.041	1.0

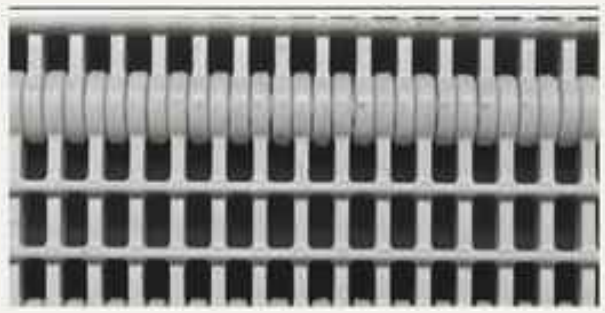
INTRALOX · STRAIGHT-RUNNING

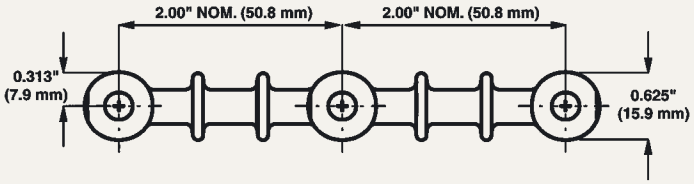
SERIES 200 - OPEN GRID

OPEN GRID

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.23 × 0.48	5.8 × 12.3
Open Area	33%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Second headed; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Large, open area allows excellent drainage.
- Has double-headed hinge rods, so the belt edge is not fully flush.
- Low-profile, transverse ridges help move products up or down inclines.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and sideguards are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1400	2080	34 to 220	1 to 104	1.24	6.05
Polyethylene	Polyethylene	900	1340	-100 to 150	-73 to 66	1.26	6.15

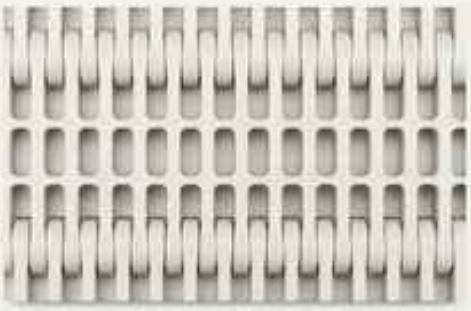
INTRALOX · STRAIGHT-RUNNING

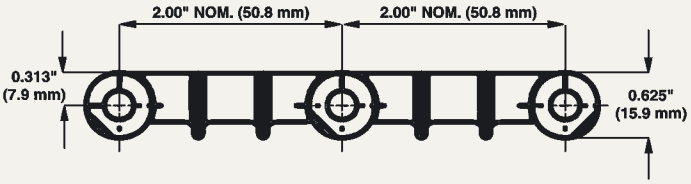
SERIES 200 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.22 × 0.49	5.5 × 12.5
Open Area	33%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Second headed; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush Grid pattern with smooth upper surface.
- Provides excellent lateral movement of containers.
- One of the strongest S200 belt styles.
- Uses double-headed hinge rods, so the belt edge is not fully flush.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For more material selections, see S400, S900, S1100, S2200, and S4500 belt styles.
- Flights and sideguards are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1800	2680	34 to 220	1 to 104	1.40	6.83
Polyethylene	Polyethylene	1200	1790	-100 to 150	-73 to 66	1.44	7.03

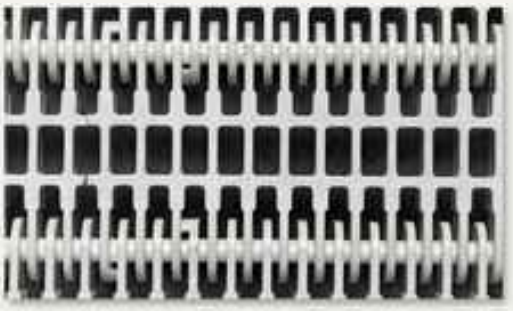
INTRALOX · STRAIGHT-RUNNING

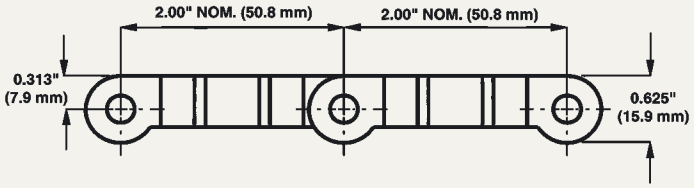
SERIES 200 - OPEN HINGE

OPEN HINGE

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.36	9.1
Opening Size (approximate)	0.26 × 0.48	6.7 × 12.3
Open Area	45%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Second headed; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Provides a smooth surface and a generous open area for food handling.
- Uses double-headed hinge rods, so the belt edge is not fully flush.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ideal where air cooling, washing, or drying is required.
- For stronger belt performance, see S800 belts.
- Flights and sideguards are available.

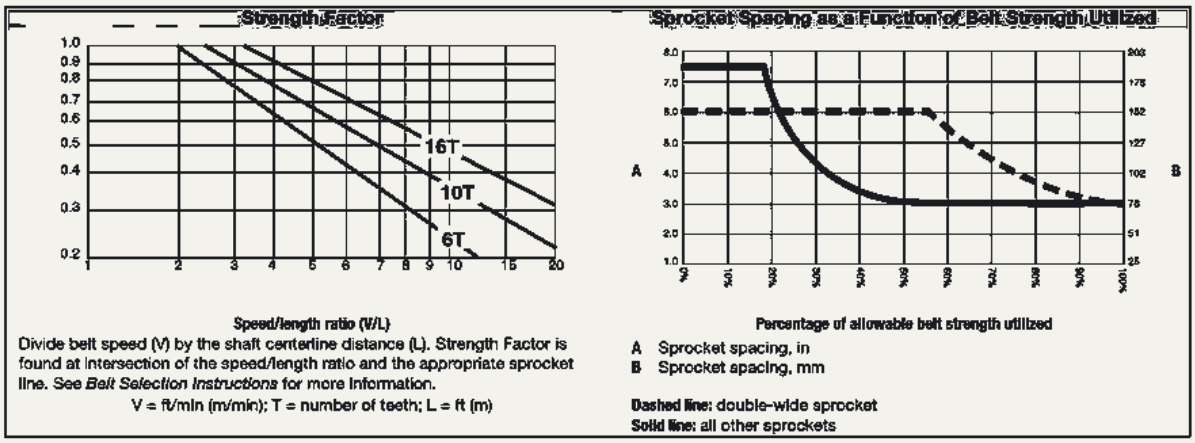
BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	300	450	34 to 220	1 to 104	1.04	5.08
Polyethylene	Polyethylene	200	300	-50 to 150	-46 to 66	1.12	5.47

INTRALOX · STRAIGHT-RUNNING

SERIES 200 - SPROCKET & SUPPORT QUANTITY REFERENCE

Belt Width Range[1]		Minimum Number of Sprockets Per Shaft[2]	Wearstrips	
in	mm		Carryway	Returnway
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	3	4	3
24	610	5	4	3
30	762	5	5	4
32	813	5	5	4
36	914	5	5	4
42	1067	7	6	5
48	1219	7	7	5
54	1372	9	7	6
60	1524	9	8	6
72	1829	11	9	7
84	2134	13	11	8
96	2438	13	12	9
120	3048	17	15	11
144	3658	21	17	13
For other widths, use an odd number of sprockets at maximum 7.5 in (191 mm) centerline spacing.[3]			Maximum 9 in (229 mm) centerline spacing	Maximum 12 in (305 mm) centerline spacing



Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

A Sprocket spacing, in
B Sprocket spacing, mm

Dashed line: double-wide sprocket
Solid line: all other sprockets

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 0.36 in (9.1 mm) increments beginning with minimum width of 2 in (51 mm).

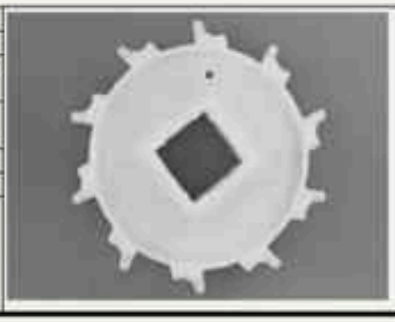
[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see *Retainer Rings and Center Sprocket Offset*.

INTRALOX · STRAIGHT-RUNNING

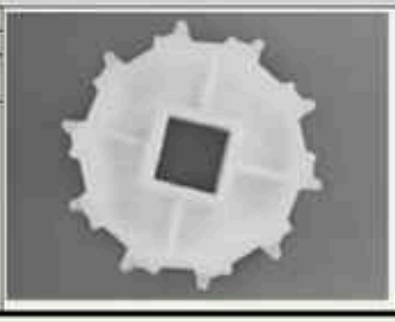
SERIES 200 - MOLDED SPROCKET

No. of Teeth (chordal action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes U.S. Round in	U.S. Square in	Metric Round mm	Metric Square mm
6 (13.40%)	4.0	102	3.9	99	1.5	38		1.5		40
10 (4.89%)	6.4	163	6.4	163	2.5	64		1.5		40
								2.5		60
16 (1.92%)	10.1	257	10.3	262	2.5	64		1.5		40
								2.5		



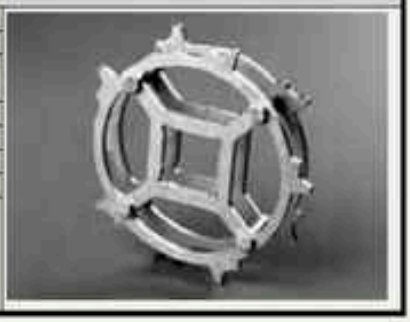
Double Wide Rim Sprocket

No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes U.S. Round in	U.S. Square in	Metric Round mm	Metric Square mm
10 (4.89%)	6.4	163	6.4	163	2.5	64		1.5		40



Metal Abrasion Resistant Sprockets

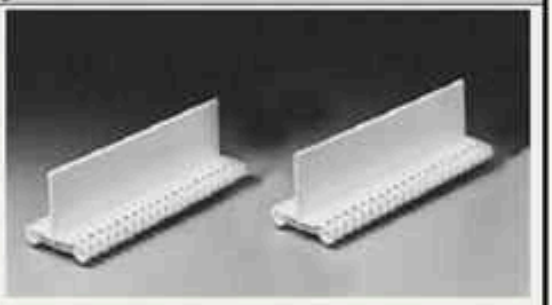
No. of Teeth (Chordal Action)	Nom. Pitch Dia. in	Nom. Pitch Dia. mm	Nom. Outer Dia. in	Nom. Outer Dia. mm	Nom. Hub Width in	Nom. Hub Width mm	Available Bore Sizes U.S. Round in	U.S. Square in	Metric Round mm	Metric Square mm
10 (4.89%)	6.4	163	6.4	163	1.1	28		1.5		40
								2.5		60
16 (1.92%)	10.1	257	10.3	262	1.1	28		1.5		40
								2.5		60
										65



Streamline Flights

Available flight height in	Available flight height mm	Available Materials
1	25	Polypropylene, polyethylene
2	51	
3	76	

- Each flight rises out of the center of its supporting Flat Top module, molded as an integral part. No fasteners are required.
- An extension can be welded at a 45-degree angle to create a bent flight. Contact Intralox Customer Service for availability.
- Can be enlarged to 6 in (152 mm) high with a welded extension.
- Minimum indent without sideguards: 0.7 in (18 mm).
- Custom flight heights are available. Contact Intralox Customer Service for more information.

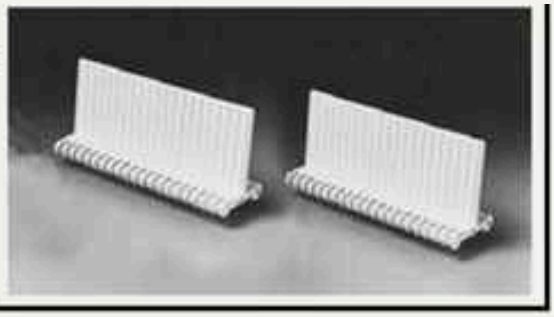


INTRALOX · STRAIGHT-RUNNING

SERIES 200 - DOUBLE NO-CLING FLIGHTS

Available Flight Height		Available Materials
in	mm	
3	76	Polypropylene, polyethylene

- Vertically ribbed for product release.
- Each flight rises out of the center of its supporting Flat Top module, molded as an integral part. No fasteners are required.
- An extension can be welded at a 45-degree angle to create a bent flight. Contact Intralox Customer Service for availability.
- Can be enlarged to 6 in (152 mm) high with a welded extension.
- Minimum indent without sideguards is 0.7 in (18 mm).
- Custom flight heights are available. Contact Intralox Customer Service for more information.



Ribbed Flights

Available Flight Height		Available Materials
in	mm	
1.25	32	Polypropylene, polyethylene
3	76	

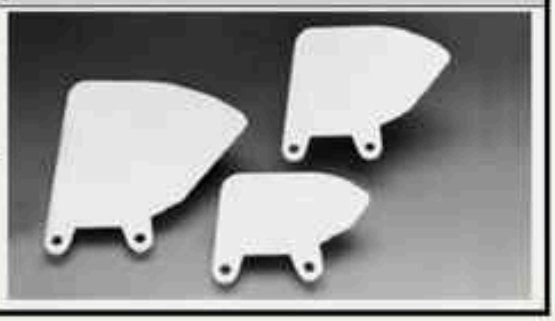
- Each flight rises out of an Open Grid module and has a triangular-shaped buttress on the back side. No fasteners are required.
- Can be enlarged to 6 in (152 mm) high with a welded extension.
- Minimum indent without sideguards: 0.7 in (18 mm).



Sideguards

Available Sizes		Available Materials
in	mm	
2	51	Polypropylene, polyethylene
3	76	
4	102	
6	152	

- Standard sideguard orientation is angled inward toward the product. If needed, sideguards can be angled outward toward the conveyor.
- Minimum indent: 0.7 in (18 mm).
- Normal gap between the sideguards and the edge of a flight: 0.3 in (8 mm).

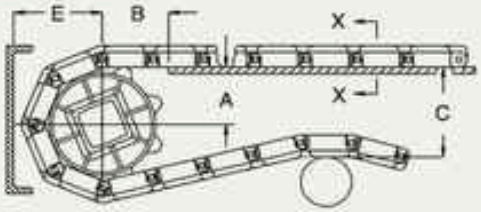


Conveyor Frame Dimensions

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions *A*, *B*, *C*, and *E* are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the *A* dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



A ± 0.031 in (1 mm) **C** ± (max.)
B ± 0.125 in (3 mm) **E** ± (min.)

Sprocket Description			A		B		C		E	
Pitch Diameter		No. Teeth	Range (Bottom to Top)							
in	mm		in	mm	in	mm	in	mm	in	mm
S200 Flush Grid, Open Grid, Open Hinge										
4.0	102	6	1.42-1.69	36-43	2.20	56	4.10	104	2.38	60
6.4	163	10	2.77-2.92	70-74	3.00	76	6.50	165	3.61	92
10.1	257	16	4.72-4.81	120-122	3.20	81	10.20	259	5.50	140

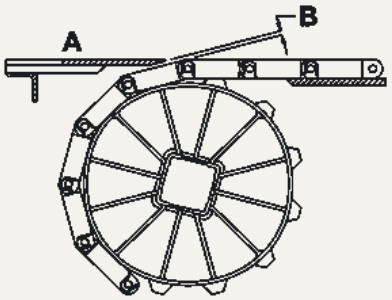
INTRALOX · STRAIGHT-RUNNING

SERIES 200 - DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A Top surface of dead plate

B Dead plate gap

Sprocket Description			Gap	
Pitch Diameter		No. Teeth		
in	mm		in	mm
4.0	102	6	0.268	6.8
6.4	163	10	0.160	4.1
10.1	257	16	0.100	2.5

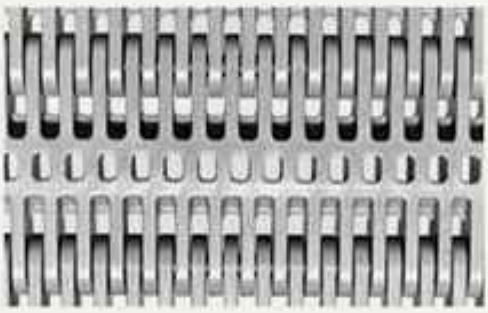
INTRALOX · STRAIGHT-RUNNING

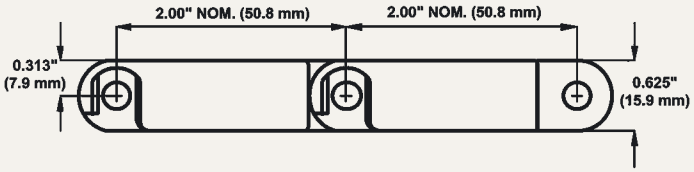
SERIES 400 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.25 × 0.18	6.4 × 4.6
Open Area	17%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	See Product Notes.	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface and straightforward design provide free product movement.
- Uses headed rods for belts without Slidelox rod retention. Uses unheaded rods for belts with Slidelox rod retention.
- Slidelox rod retention is recommended for belts 6.0 ft (1829 mm) wide and wider.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and sideguards are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	2400	3570	34 to 220	1 to 104	1.82	8.89
Polyethylene	Polyethylene	1800	2680	-100 to 150	-73 to 66	1.90	9.28
Acetal	Polypropylene	3200	4760	34 to 200	1 to 93	2.77	13.51
Acetal[1]	Polyethylene	3000	4460	-50 to 70	-46 to 21	2.77	13.51

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

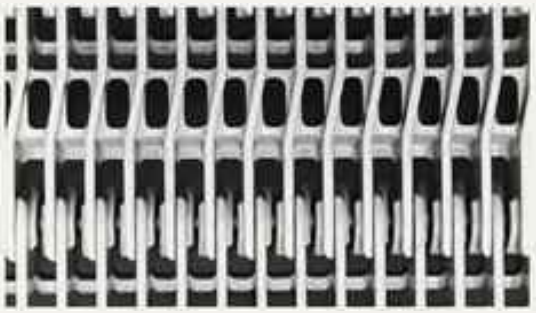
INTRALOX · STRAIGHT-RUNNING

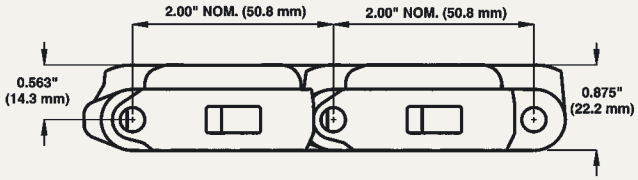
SERIES 400 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	2.00	50.8
Minimum Width	See Product Notes.	
Width Increments	See Product Notes.	
Opening Size (approximate)	0.25 × 0.24	6.4 × 6.1
Open Area	26%	
Product Contact Area	36%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	See Product Notes.	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- All S400 Raised Rib polyethylene belts use headed rods.
- All S400 Raised Rib polypropylene belts use the Slidelox rod retention system and unheaded rods.
- Slidelox are glass-reinforced polypropylene. For improved chemical resistance, Slidelox are also available in polyvinylidene (PVDF) for Enduralox polypropylene belts.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use with finger transfer plates to reduce tippage at infeed and discharge.
- For stronger belt performance, see S1900 Raised Rib.
- Raised ribs extend 0.25 in (6.4 mm) above basic module.
- Custom-built in widths from 1.8 in (47 mm) and up for polyethylene and 3.5 in (89 mm) and up for polypropylene, in 0.33 in (8.4 mm) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	2400	3570	34 to 220	1 to 104	1.95	9.52
Polyethylene	Polyethylene	1800	2680	-100 to 150	-73 to 66	1.98	9.67
Enduralox polypropylene	Polypropylene	2400	3570	34 to 220	1 to 104	1.95	9.52

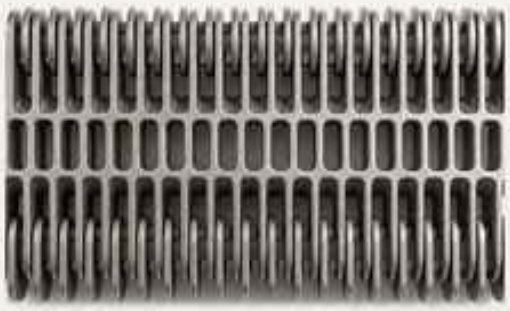
INTRALOX · STRAIGHT-RUNNING

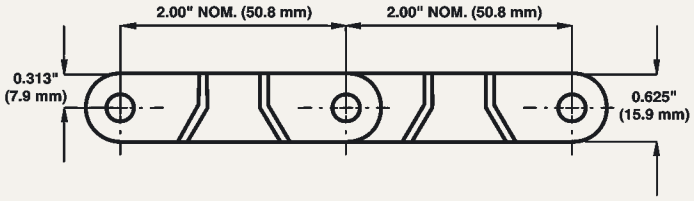
SERIES 400 - OPEN HINGE

OPEN HINGE

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.25	6.4
Opening Size (approximate)	0.47 × 0.18	11.9 × 4.6
Open Area	30%	
Product Contact Area	40%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Second headed; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Large, open area improves airflow, drainage, and cleanability.
- Shares heavy-duty rating with other belts in this series.
- Has double-headed hinge rods, so the belt edge is not fully flush.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and sideguards are available.
- For more hygienic options, see S800 and S1600.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1550	2300	34 to 220	1 to 104	1.16	5.66
Polyethylene	Polyethylene	950	1400	-50 to 150	-46 to 66	1.24	6.06

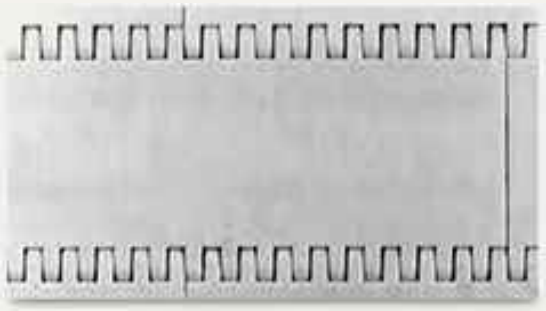
INTRALOX · STRAIGHT-RUNNING

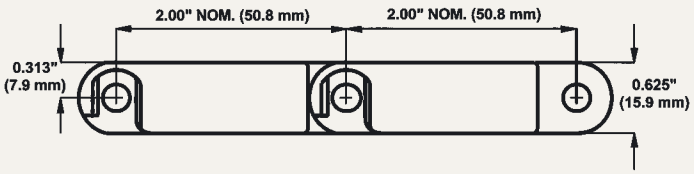
SERIES 400 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	See product notes.	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface and straightforward design provide free product movement.
- All S400 Flat Top with abrasion resistant rods are available with Slidelox rod retention.
- Slidelox rod retention is recommended for belts 6.0 ft (1829 mm) wide and wider.
- Use headed rods for belts without Slidelox rod retention. Use unheaded rods with Slidelox rod retention.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use abrasion resistant split sprockets with acetal S400 Flat Top.
- Flights and sideguards are available.
- For stronger belt performance, see Series 4500 Flat Top.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	2400	3570	34 to 220	1 to 104	1.81	8.82
Polyethylene	Polyethylene	1800	2680	-100 to 150	-73 to 66	1.90	9.28
Acetal	Polypropylene	3200	4760	34 to 200	1 to 93	2.74	13.38
Acetal[1]	Polyethylene	3000	4460	-50 to 70	-46 to 21	2.74	13.38

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

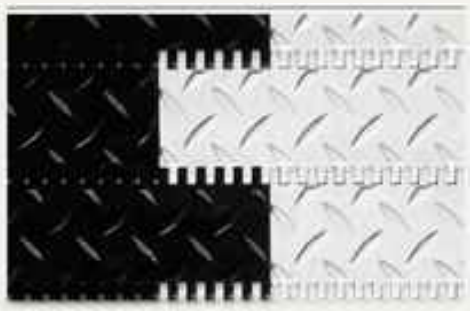
INTRALOX · STRAIGHT-RUNNING

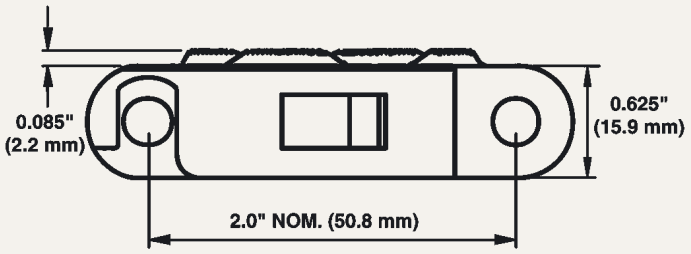
SERIES 400 - NON SKID

NON SKID

	IN	MM
Pitch	2.00	50.8
Minimum Width	3.5	89
Width Increments	0.33	8.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Among highest strength rating of all Intralox belts.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For stronger belt performance, see S4500 Non Skid and S4500 Non Skid Raised Rib.
- Contact Uniking Customer Service for flight availability.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HSEC acetal	Nylon	2720	4040	-50 to 200	-46 to 93	2.88	14.09
Polypropylene	Polypropylene	2400	3571	-34 to 220	1 to 104	1.81	8.84

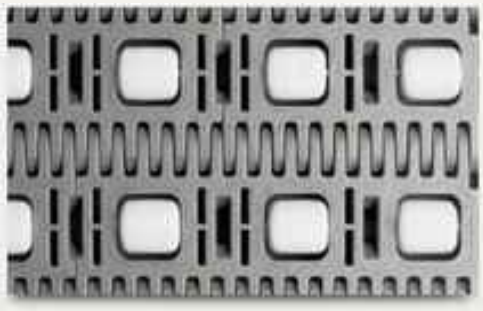
INTRALOX · STRAIGHT-RUNNING

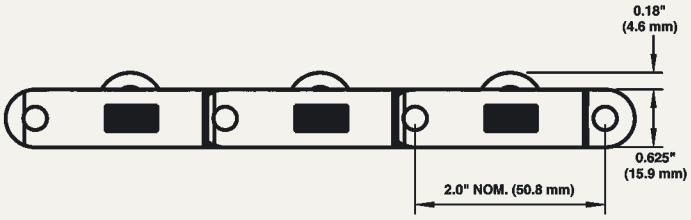
SERIES 400 - ROLLER TOP

ROLLER TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size	-	-
Open Area	18%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush edges.
- Uses acetal rollers.
- Uses stainless steel axles.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Allows for low back pressure accumulation.
- Roller diameter: 0.70 in (17.8 mm).
- Roller length: 0.825 in (20.9 mm).
- Standard roller indent: 0.90 in (23 mm)
- Distance to centerline of first roller: 1.3 in (33 mm)
- Spacing between first and second roller: 1.8 in (46 mm).
- Spacing between all other rollers: 2 in (50.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2200	3270	34 to 200	1 to 93	2.44	11.94

INTRALOX · STRAIGHT-RUNNING

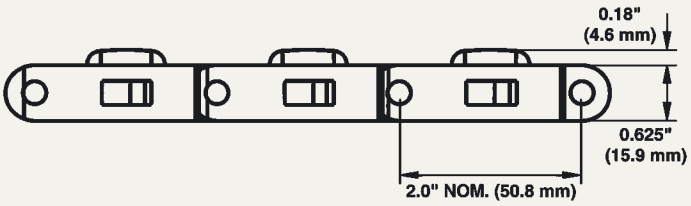
SERIES 400 - TRANSVERSE ROLLER TOP™ (TRT™)

TRANSVERSE ROLLER TOP™ (TRT™)

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size (approximate)	-	-
Open Area	18%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush edges.
- Uses acetal rollers.
- Stainless steel axles provide durability and long-lasting performance.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for 90-degree transfers.
- For stronger belt performance, See S4400 Transverse Roller Top.
- Roller diameter: 0.70 in (17.8 mm).
- Roller length: 0.825 in (20.9 mm).
- Roller spacing: 2 in (50.8 mm).
- Standard roller indent: 0.90 in (23 mm).
- Distance to centerline of first roller: 1.3 in (33 mm).
- Spacing between first and second roller: 1.8 in (46 mm).
- Spacing between all other rollers: 2 in (50.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2200	3270	34 to 200	1 to 93	2.44	11.94

INTRALOX · STRAIGHT-RUNNING

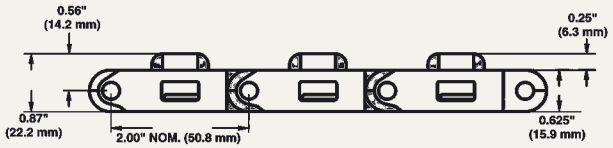
SERIES 400 - 0.85-IN DIAMETER TRANSVERSE ROLLER TOP™ (TRT™)

0.85-IN DIAMETER TRANSVERSE ROLLER TOP™ (TRT™)

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size	-	-
Open Area	18%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses acetal rollers.
- Stainless steel axles provide durability and long-lasting performance.
- Slidelox flush edges.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for 90-degree transfers.
- For stronger belt performance, See S4400 Transverse Roller Top.
- Roller diameter: 0.85 in (21.6 mm).
- Roller length: 0.825 in (20.9 mm).
- Standard roller indent: 0.90 in (23 mm).
- Distance to centerline of first roller: 1.3 in (33 mm).
- Spacing between first and second roller: 1.8 in (46 mm).
- Spacing between all other rollers: 2 in (50.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2200	3270	34 to 200	1 to 93	2.81	13.71

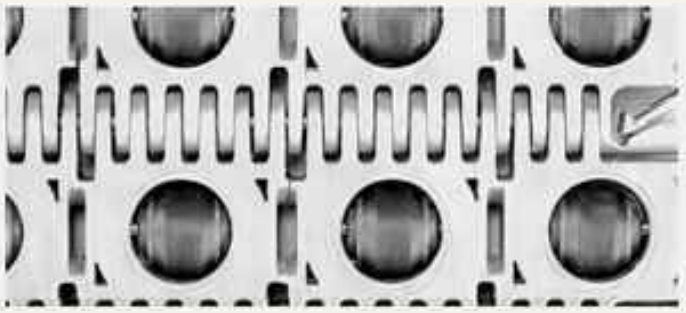
INTRALOX · STRAIGHT-RUNNING

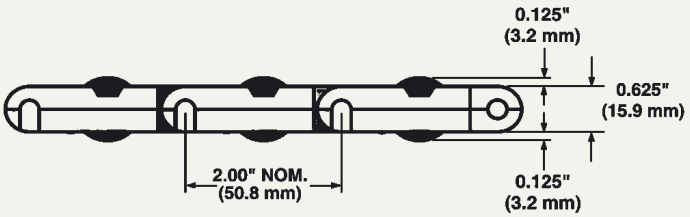
SERIES 400 - 0-DEGREE ANGLED ROLLER™

0-DEGREE ANGLED ROLLER™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size (approximate)	-	-
Open Area	11%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses Activated Roller Belt™ (ARB ™) technology.
- Black or grey polyurethane rollers are available.
- Black polyurethane rollers are not recommended for product accumulations.
- All rollers have an acetal core.
- Axles are stainless steel.
- Rollers are inline with the direction of belt travel.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed to run on a flat, continuous carryway. A chevron carryway is not recommended.
- When belt rollers are in motion, product moves faster than the speed of the belt. When belt rollers are not in motion, product travels at belt speed.
- Product behavior varies depending on shape and weight of product, conveyor design, and belt speed.
- Uniking can help you reach a more accurate estimate of product behavior based on product and conveyor characteristics. Contact Uniking Customer Service for more information.
- Custom belts with any combination of 0-degree, 30-degree, 45-degree, or 60-degree angled rollers are available. Custom belts can also include rollers oriented in different directions. Contact Uniking Customer Service for more information.
- 2.0 in (50.8 mm) roller spacing.
- Not compatible with the 4.0 in (102 mm) pitch diameter split sprocket or all 5.2 in (132 mm) pitch diameter sprockets with 2.5 in or 60-mm square bores.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene/Black Polyurethane	Nylon	1600	2381	34 to 200	1 to 93	2.65	12.94
Polypropylene/Grey Polyurethane	Nylon	1600	2381	34 to 120	1 to 49	2.73	13.33

INTRALOX · STRAIGHT-RUNNING

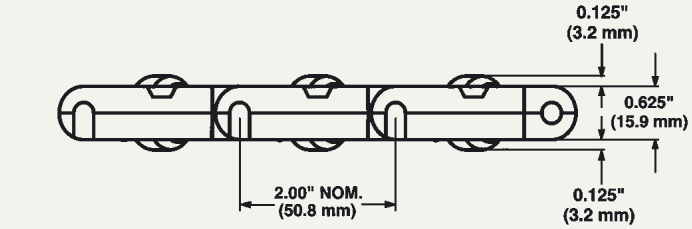
SERIES 400 - 30-DEGREE ANGLED ROLLER™

30-DEGREE ANGLED ROLLER™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size (approximate)	-	-
Open Area	11%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses Activated Roller Belt (ARB) technology.
- Rollers are skewed 30 degrees from the direction of belt travel.
- Grey polyurethane rollers with an acetal core are available.
- Uses stainless steel axles.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Polyethylene belts require ultra-abrasion resistant polyurethane sprocket on the drive shaft. Any sprocket can be used on the idle shaft, except for sprockets with low back-tension teeth.
- When belt rollers are in motion, product moves faster than the speed of the belt. When belt rollers do not rotate, product travels at belt speed.
- Product behavior varies depending on shape and weight of product, conveyor design, and belt speed. Uniking can help you estimate product behavior based on product and conveyor characteristics. Contact Uniking Customer Service for more information.
- Centering configuration is possible using two belts with rollers oriented towards the center of the conveyor.
- Custom belts with any combination of 0-degree, 30-degree, 45-degree, or 60-degree angled rollers are available. Custom belts can also include rollers oriented in different directions. Contact Uniking Customer Service for more information.
- Designed to run on a flat, continuous carryway. A chevron carryway is not recommended.
- Belt can be supported using parallel wearstrips placed in between belt rollers. Contact Uniking Customer Service for more information.
- Alignment belts on a flat, continuous carryway require a side wearstrip. Install the belt to run flush along this wearstrip.
- 2 in (50.8 mm) roller spacing.
- Minimum belt width for polyethylene is 8 in (203 mm).
- Polyethylene belts between 8 in (203 mm) to 10 in (254 mm) wide must be derated to 450 lb/ft. (670 kg/m).
- Not compatible with the 4.0 in (102 mm) pitch diameter split sprocket.
- Not compatible with all 5.2 in (132 mm) pitch diameter sprockets with 2.5 in or 60 mm square bores.
- If any moisture is present, the low-temperature limit of the polyethylene belt is 34° F (1° C).

BELT DATA

	BELT STRENGTH	TEMPERATURE RANGE (CONTINUOUS)	BELT WEIGHT

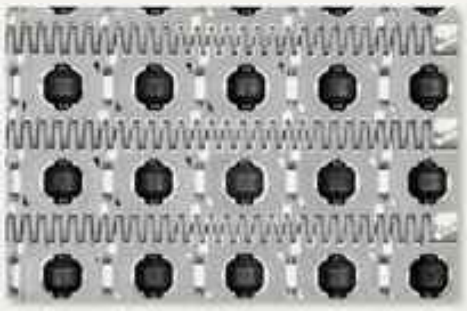
INTRALOX · STRAIGHT-RUNNING

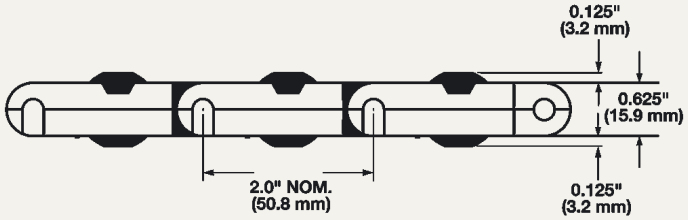
SERIES 400 - 90-DEGREE ANGLED ROLLER™

90-DEGREE ANGLED ROLLER™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	2.00	50.8
Opening Size	-	-
Open Area	11%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Black polyurethane rollers with an acetal core are available.
- Black polyurethane rollers are not recommended for product accumulation conditions.
- Axles are stainless steel.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Do not allow black polyurethane rollers to contact flat, continuous carryways or chevron carryways.
- Belt can be supported using parallel wearstrips placed between belt rollers. Contact Uniking Customer Service for more information.
- Not compatible with the 4.0 in (102 mm) pitch diameter split sprocket.
- Not compatible with all 5.2 in (132 mm) pitch diameter sprockets with 2.5 in and 60-mm square bores.
- Roller spacing: 2.0 in (50.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene/Black polyurethane	Nylon	1600	2381	34 to 200	1 to 93	2.65	12.94

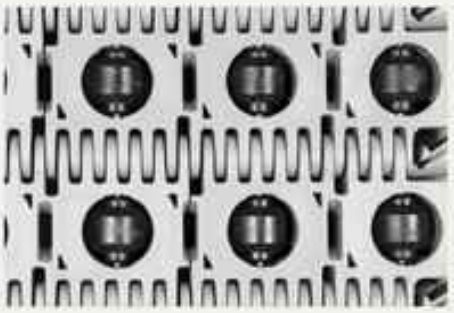
INTRALOX · STRAIGHT-RUNNING

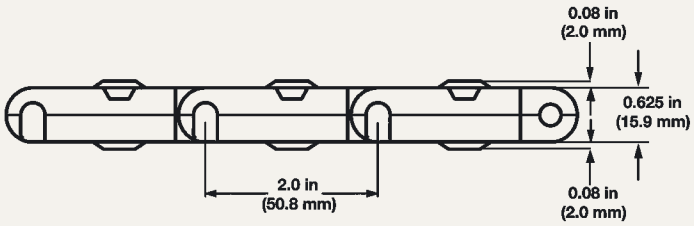
SERIES 400 - 0.78-IN DIAMETER 90-DEGREE ANGLED ROLLER™

0.78-IN DIAMETER 90-DEGREE ANGLED ROLLER™

	IN	MM
Pitch	2.0	50.8
Minimum Width	6	152.4
Width Increments	2.0	50.8
Opening Size	-	-
Open Area	11%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Black acetal rollers are available.
- Axles are stainless steel.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not compatible with the 4.0 in (102 mm) pitch diameter split sprocket.
- Not compatible with all 5.2 in (132 mm) pitch diameter sprockets with 2.5 in and (60 mm) square bores.
- Roller spacing: 2.0 in (50.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene/Black acetal	Nylon	1600	2381	34 to 200	1 to 93	2.65	12.94

INTRALOX · STRAIGHT-RUNNING

SERIES 400

MOLDED SPROCKET

MOLDED SPROCKET – FOR ALL BELTS EXCEPT FLUSH GRID ACETAL

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[2]	SQUARE (IN)	ROUND (MM)[2]	SQUARE (MM)
6 (13.40%)	4.0	102	3.6	91	1.5	38		1.5		40
8 (7.61%)	5.2	132	5.0	127	1.5	38		1.5, 2.5		40, 60
10 (4.89%)	6.4	163	6.3	160	1.5	38	2.0	1.5, 2.5	82	40, 60, 70
12 (3.41%)	7.8	198	7.7	196	1.5	38		1.5, 2.5		40, 60
16 (1.92%)	10.1	257	10.2	259	1.5	38		1.5, 2.5, 3.5		40, 60, 90



MOLDED SPROCKET

SPLIT LOW BACK TENSION ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET – FOR ALL BELTS EXCEPT FLUSH GRID ACETAL, OPEN HINGE, AND ROLLER BELTS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.4	163	6.3	160	1.5	38		1.5, 2.5		40
12 (3.41%)	7.8	198	7.7	196	1.5	38		2.5		
16 (1.92%)	10.1	257	10.2	259	1.5	38		2.5		

INTRALOX · STRAIGHT-RUNNING

SERIES 400 (CONT.)



SPLIT LOW BACK TENSION ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

SPLIT ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.4	163	6.3	160	1.5	38		1.5, 2.5		40



SPLIT ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967(R1989) and metric key sizes conform to DIN standard 6885.

When using these sprockets, the maximum Belt Strength for all styles and materials is 1000 lb/ft (1490 kg/m), and the sprocket temperature range is -40°F (-40°C) to 160°F (71°C).

When using ultra abrasion resistant polyurethane split sprockets, the maximum belt strength for all styles and materials is 1000 lb/ft (1490 kg/m), and the temperature range for the sprocket is -40°F (-40°C) to 160°F (71°C).

INTRALOX · STRAIGHT-RUNNING

SERIES 400

COMPOSITE AND SPLIT METAL SPROCKETS

MOLDED TOOTH PLATE SPLIT LOW BACK TENSION POLYURETHANE COMPOSITE SPROCKET[1] – FOR ALL BELTS EXCEPT OPEN HINGE AND ROLLER BELTS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.4	163	6.3	160	1.70	43		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	7.7	196	1.5	38		1.5, 2.5		40, 60
16 (1.92%)	10.1	257	10.2	259	1.5	38	3.5	1.5, 2.5, 3.5		90

[1] Recommended for drive shaft only. There is very little belt tension when a belt engages the idle sprockets. In some applications, the belt may not have enough tension to engage the added low back tension teeth, causing the belt to disengage on the idle sprockets.



MOLDED TOOTH PLATE SPLIT LOW BACK TENSION POLYURETHANE COMPOSITE SPROCKET

MOLDED TOOTH PLATE SPLIT POLYURETHANE COMPOSITE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.4	163	6.3	160	1.7	43		1.5		40
12 (3.41%)	7.8	198	7.7	196	1.5	38		1.5		40
16 (1.92%)	10.1	257	10.2	259	1.5	38	4.0	3.5		90



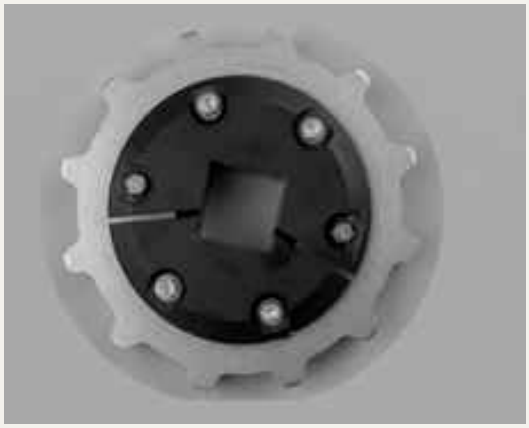
MOLDED TOOTH PLATE SPLIT POLYURETHANE COMPOSITE SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 400 (CONT.)

SPLIT METAL WITH POLYURETHANE (FDA) JOINING PLATES REDUCED CLEARANCE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	5.2	132	5.0	127	1.5	38		1.5		40
10 (4.89%)	6.4	163	6.3	160	1.5	38		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	7.7	196	1.5	38		1.5, 2.5		40, 60



SPLIT METAL WITH POLYURETHANE (FDA) JOINING PLATES REDUCED CLEARANCE SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 400

HR NYLON SPLIT SPROCKETS

HR NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	10.1	257	10.2	196	2.0	51		2.5		60



HR NYLON SPLIT SPROCKET

HR NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.4	163	6.3	160	1.5	38		1.5, 2.5		
12 (3.41%)	7.8	198	7.7	196	1.5	38		1.5, 2.5		40, 60
16 (1.92%)	10.1	257	10.2	259	1.5	38		1.5, 2.5, 3.5		60, 90



HR NYLON SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 400 (CONT.)

SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6 (13.40%)	4.0	102	3.6	91	1.5	38		1.5		40
8 (7.61%)	5.2	132	5.0	127	1.5	38	1, 1-3/16, 1-1/4, 1-7/16	1.5	20, 30, 40	40, 60
10 (4.89%)	6.4	163	6.3	160	1.5	38	1, 1-3/16, 1-1/4, 1-3/8, 1-7/16, 1-1/2, 1-15/16	1.5, 2.5	20, 40	40, 60
12 (3.41%)	7.8	198	7.7	196	1.5	38	1-7/16, 1-15/16	1.5, 2.5	40	40, 60
16 (1.92%)	10.1	257	10.2	259	1.5	38	1-7/16, 1-15/16	1.5, 2.5, 3.5		40, 60, 90



SPLIT METAL SPROCKET

HR NYLON SPROCKET

U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

SPLIT METAL SPROCKET

Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

INTRALOX · STRAIGHT-RUNNING

SERIES 400

SPLIT SUPPORT WHEEL

SPLIT SUPPORT WHEEL

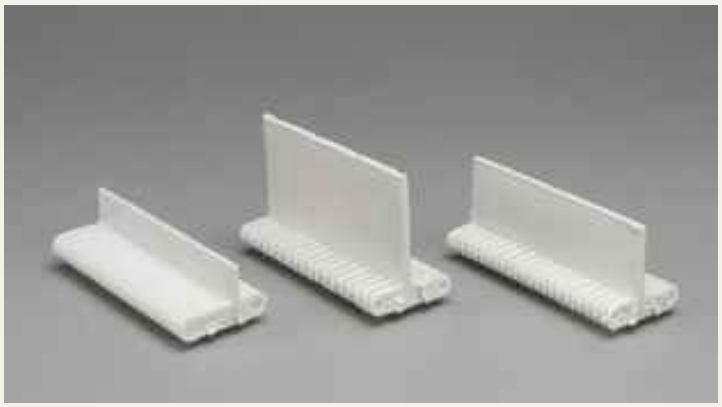
AVAILABLE PITCH DIA. (IN)	AVAILABLE PITCH DIA. (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
		ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6.4	163	1	1.5, 2.5		



SPLIT SUPPORT WHEEL

FLUSH GRID BASE FLIGHTS (STREAMLINE/NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene, polyethylene
2	51	Polypropylene, polyethylene
3	76	Polypropylene, polyethylene



FLUSH GRID BASE FLIGHTS (STREAMLINE/NO-CLING)

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.8 in (20 mm).
- Minimum indent for a Slidelox edge without sideguards: 1.4 in (36 mm).
- 45-degree bent flights are available in polypropylene with a 3 in (76 mm) tall base and with a 1 in (25 mm) or 2 in (51 mm) extension.

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- The Streamline side of the flight is smooth and the No-Cling side is vertically ribbed.
- An extension can be welded at a 45-degree angle for a bent flight.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.8 in (20 mm) and the minimum indent for a Slidelox edge (without sideguards) is 1.4 in (36 mm).

FLUSH GRID BASE FLIGHTS (DOUBLE NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
6	152	Polypropylene, polyethylene



FLUSH GRID BASE FLIGHTS (DOUBLE NO-CLING)

INTRALOX · STRAIGHT-RUNNING

SERIES 400 (CONT.)

OPEN HINGE BASE FLIGHTS (STREAMLINE/NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene, polyethylene
2	51	Polypropylene, polyethylene
3	76	Polypropylene, polyethylene



OPEN HINGE BASE FLIGHTS (STREAMLINE/NO-CLING)

- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Streamline/No-Cling flights are smooth on one side and vertically ribbed on one side.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Flights can be extended to 6 in (152 mm) high (welded extension). The extension can also be welded at a 45-degree angle for a bent flight.
- Minimum indent without sideguards: 0.6 in (15 mm).

INTRALOX · STRAIGHT-RUNNING

SERIES 400

FLAT TOP BASE FLIGHTS (STREAMLINE)

FLAT TOP BASE FLIGHTS (STREAMLINE)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal
6	152	Polypropylene, polyethylene, acetal

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Flat Top base flights cannot be used with Flush Grid belts.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.8 in (20 mm). Minimum indent for a Slidelox edge without sideguards: 1.4 in (36 mm).



FLAT TOP BASE FLIGHTS (STREAMLINE)

SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene
3	76	Polypropylene, polyethylene
4	102	Polypropylene, polyethylene
6	152	Polypropylene, polyethylene

- Sideguards use a standard overlapping design and are an integral part of the belt, with no fasteners required.
- When going around the 6 and 8 tooth sprockets, sideguards fan out, opening a gap at the top of the sideguard that can allow small products to fall out. The sideguards stay completely closed when going around the 10, 12 and 16 tooth sprockets.
- Standard sideguard orientation is angled inward toward the product. If needed, sideguards can be angled outward toward the conveyor.
- Minimum indent is 0.8 in (20 mm).
- Normal gap between the sideguards and the edge of a flight is 0.4 in (10 mm).



SIDEGUARDS

HOLD DOWN TABS

- Available on Non Skid and Flat Top belts.
- Carryway wearstrips or rollers that engage the tabs are only required at the transition between the horizontal sections and angled sections. This approach reduces initial system cost as well as ongoing maintenance cost and effort.
- Ensure that adequate lead-in radii and/or angles are used to prevent the possibility of snagging the tab on the frame.
- A carryway radius should be designed at the transition between horizontal sections and angled sections. This radius must be at least 48 in (1.22 m) for belts that are loaded near the belt strength rating. This radius is one of the most important factors to consider when designing highly loaded conveyors that utilize hold down tabs.
- Tabs can be spaced along the length of the belt at either 4 in (101.6 mm) or 6 in (152.4 mm). Tab spacings greater than 6 in (152.4 mm) should be avoided due to the potential of mistracking.
- Strength rating for each hold down tab: 100 lb (45.4 kg) of force perpendicular to the hold down surface.



HOLD DOWN TAB

INTRALOX · STRAIGHT-RUNNING

SERIES 400

INSERT NUTS

INSERT NUTS

AVAILABLE BASE BELT STYLE; MATERIAL	SIZES
Flat Top: acetal, polypropylene	5/16 in–18 in (8 mm–1.25 mm)

BELT MATERIAL	MAXIMUM FIXTURE WEIGHT		FASTENER TORQUE SPECIFICATION	
	LB/NUT[1]	KG/NUT[1]	IN-LB	N-M
Acetal	200	91	120	13.5
Polypropylene	175	79	65	7.3

[1] *Fixture weight only. Product weight need not be included.*

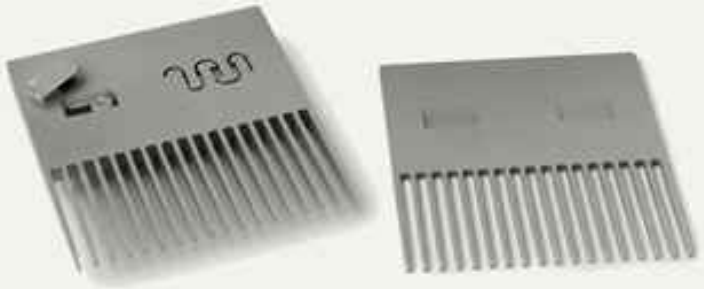


FLAT TOP BELT MODULES WITH INSERT NUTS

- Insert Nuts allow easy attachment of fixtures to the belt.
- Ensure attachments connected to more than one row do not prohibit belt rotation around the sprockets.
- For attachment bases that extend across multiple rows, ensure reduced backbend is considered during design.
- Do not place sprockets in-line with insert nuts.
- All nut placement dimensions are referenced from the edge of the belt when placing an order. Contact Uniking Customer Service for nut location options available for application.
- See S4500 Flat Top with Insert Nuts as an alternate option.
- Minimal indent from the edge of the belt: 2 in (50 mm).
- Minimal distance between nuts across the width of the belt: 1.33 in (34 mm).
- Spacing along the length of the belt: 2 in (50 mm) increments.

FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Polypropylene



SERIES 400 FINGER TRANSFER PLATES

- Eliminates product transfer and tipping problems. The 18 fingers extend between the belt ribs, allowing a smooth continuation of the product flow as the belt engages the sprockets.
- Easily installed on the conveyor frame with the supplied shoulder bolts. Caps easily snap into place over the bolts, and keep foreign materials out of the slots.
- The finger transfer plates for Series 400 are the same for Series 1200.

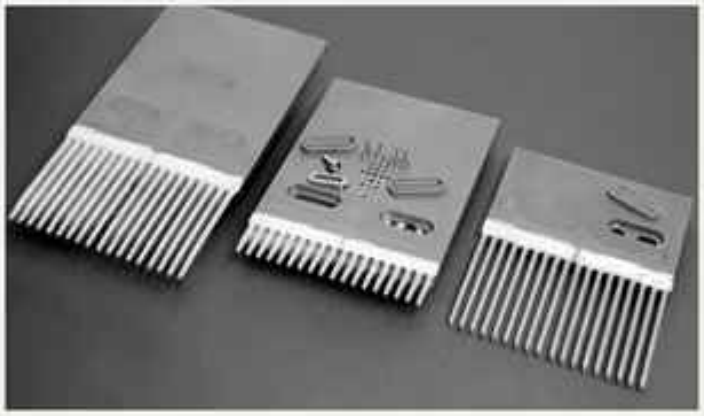
INTRALOX · STRAIGHT-RUNNING

SERIES 400

TWO-MATERIAL FINGER TRANSFER PLATES

TWO-MATERIAL FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic fingers, acetal backplate



TWO-MATERIAL FINGER TRANSFER PLATES

AVAILABLE CONFIGURATIONS

STANDARD	STANDARD EXTENDED BACK	GLASS-HANDLING
Long fingers with a short backplate	Long fingers with an extended backplate	Short fingers with extended backplate; short fingers with short backplate[1]; mid-length fingers with a short backplate; mid-length fingers with extended backplate

[1] *Contact Uniking Customer Service for lead times.*

- Provides high-strength fingers combined with a low-friction backplate.
- Eliminates product transfer and tipping problems. The 18 fingers extend between the belt ribs, allowing smooth, continuous product flow as the belt engages the sprockets.
- Low-friction backplate is permanently attached to the two high-strength finger inserts.
- Plastic shoulder bolts and bolt covers are included for installing the standard two-material finger transfer plates (FTPs).
- Mounting hardware for the glass-handling two-material FTPs is sold separately. Mounting hardware consists of stainless steel oval washers and bolts, which give more secure fastening for tough, glass applications.
- For applications that require better chemical resistance, Intralox offers a single-material polypropylene standard FTP. Mounting hardware for this finger transfer plate includes plastic shoulder bolts and snap-cap bolt covers.
- Long fingers provide good support for unstable products like PET containers and cans. Short fingers are sturdy enough for harsh, broken-glass applications. These fingers are designed to resist breaking, but if confronted with deeply embedded glass, the individual fingers yield and break off, preventing belt or frame damage.
- Short backplate has two attachment slots and the extended backplate has three attachment slots.
- Series 400 and Series 1200 use the same FTPs.
- For best product transfer with the glass-handling finger transfer plates, use 10.1 in (257 mm) PD, 16-tooth sprockets.

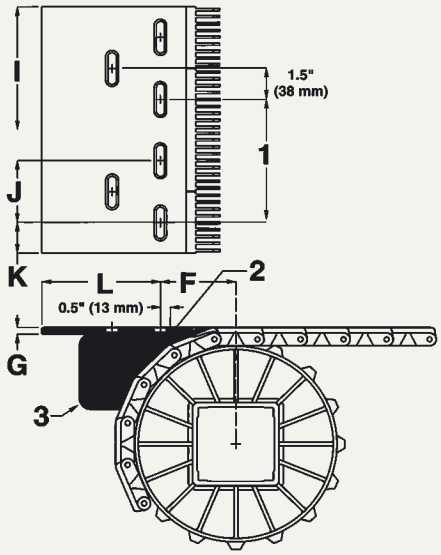
INTRALOX · STRAIGHT-RUNNING

SERIES 400

FINGER TRANSFER PLATE INSTALLATION DIMENSIONS & SELF-CLEARING PLATES

DIMENSIONAL REQUIREMENTS FOR FINGER TRANSFER PLATE INSTALLATIONS

	TWO-MATERIAL							
	STANDARD LONG FINGERS - SHORT BACK		STANDARD LONG FINGERS - EXTENDED BACK		GLASS HANDLING SHORT FINGERS - EXTENDED BACK		GLASS HANDLING MID LENGTH FINGERS - EXTENDED BACK	
	IN	MM	IN	MM	IN	MM	IN	MM
F	3.50	89	3.50	89	3.50	89	3.50	89
G	0.31	8	0.31	8	0.31	8	0.31	8
H	7.2	183	10.75	273	8.26	210	9.04	230
I	5.91	150	5.91	150	5.91	150	5.91	150
J	3.00	76	3.00	76	3.00	76	3.00	76
K	1.45	37	1.45	37	1.45	37	1.45	37
L	2.00	51	5.50	140	5.50	140	5.50	140



FINGER TRANSFER PLATE INSTALLATION – DIMENSIONS F, G, H, I, J, K, L; 2.25" (57 MM), 1.5" (38 MM), 0.5" (13 MM)

SPACING AT AMBIENT TEMPERATURE

	IN	MM
PP	5.952	151.2
PE	5.933	150.7

TWO-MATERIAL FINGER TRANSFER PLATES

Two-material glass handling finger transfer plate shown

1 Spacing

2 0.5 in (13 mm) Radius (leading edge of frame member)

3 Frame member

SELF-CLEARING FINGER TRANSFER PLATES[1]

AVAILABLE WIDTH		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic

[1] *Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490*



- Consists of a finger transfer plate and a transfer edge belt that are designed to work together.
- Molded with robust tracking tabs for belt support in heavy side-loading conditions.
- Flat, smooth top surface provides excellent lateral movement of containers.
- Fully flush edges, headed rod retention system, and nylon rods for superior wear resistance.
- Eliminates the need for a sweeper bar, a pusher arm, or wide transfer plates. Transfers are smooth and 100% self-clearing, making right angle transfers possible for all container types.
- Ideal for warmer/cooler applications with frequent product changeovers.
- Bi-directional system allows same transfer belt use for both left-hand and right-hand transfers.
- Compatible with any series and style of Intralox belt on the discharge and

INTRALOX · STRAIGHT-RUNNING

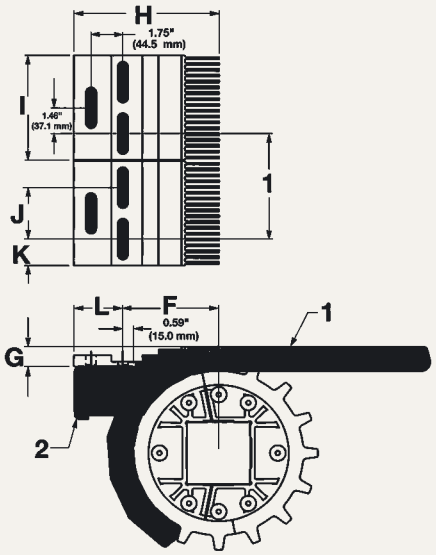
SERIES 400

SELF-CLEARING FINGER TRANSFER PLATE & CONVEYOR FRAME DIMENSIONS

DIMENSIONAL REQUIREMENTS FOR SELF-CLEARING FINGER TRANSFER PLATE[1] INSTALLATIONS

	SELF-CLEARING	
	IN	MM
F	5.25	133.4
G	1.15	29.2
H	8.05	204.5
I	5.89	149.6
J	2.92	74.2
K	1.51	38.4
L	2.71	68.8

[1] Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490



SELF-CLEARING FINGER TRANSFER PLATE INSTALLATION — DIMENSIONS F, G, H, I, J, K, L; 1.75" (44.5 MM), 1.46" (37.1 MM), 0.59" (15.0 MM)

1 Spacing

2 Frame member

SPACING AT AMBIENT TEMPERATURE

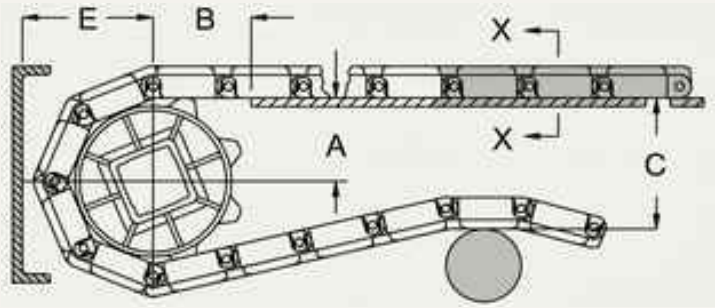
	IN	MM
PP	5.952	151.2
PE	5.933	150.7

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

DIMENSION	TOLERANCE	DIMENSION	TOLERANCE
A	± 0.031 in (1 mm)	C	± (max.)
B	± 0.125 in (3 mm)	E	± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 400

SPROCKET AND CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION - CONVEYOR FRAME DIMENSIONS A, B, C, E

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S400 FLAT TOP, FLUSH GRID, OPEN HINGE										
4.0	102	6	1.42-1.69	36-43	2.20	56	4.10	104	2.38	60
5.2	132	8	2.10-2.30	53-58	2.60	66	5.30	135	2.99	76
5.8	147	9	2.44-2.61	62-66	2.70	69	5.95	151	3.49	89
6.4	163	10	2.77-2.92	70-74	2.77	70	6.50	165	3.61	92
7.8	198	12	3.42-3.55	87-90	3.00	76	7.90	201	4.24	108
8.4	213	13[1]	3.75-3.87	95-98	3.22	82	8.46	215	4.74	120
10.1	257	16	4.72-4.81	120-122	3.20	81	10.20	259	5.50	140
S400 RAISED RIB										
4.0	102	6	1.42-1.69	36-43	2.20	56	4.10	104	2.75	70
5.2	132	8	2.10-2.30	53-58	2.60	66	5.30	135	3.24	82
6.4	163	10	2.77-2.92	70-74	2.77	70	6.50	165	3.99	101
7.8	198	12	3.42-3.55	87-90	3.00	76	7.90	201	4.49	114
10.1	257	16	4.72-4.81	120-122	3.20	81	10.20	259	5.88	149
S400 NON SKID										
4.0	102	6	1.42-1.69	36-43	1.60	41	4.09	104	2.46	62
5.2	132	8	2.10-2.30	53-58	1.98	50	5.31	135	3.07	78
5.8	147	9	2.43-2.61	62-66	2.31	59	5.93	151	3.38	86
6.4	163	10	2.77-2.92	70-74	2.26	57	6.56	167	3.70	94
7.8	198	12	3.42-3.55	87-90	2.60	66	7.81	198	4.32	110
8.4	213	13	3.74-3.87	95-98	2.84	72	8.44	214	4.64	118
10.1	257	16	4.71-4.81	120-122	2.97	75	10.34	263	5.59	142
S400 ROLLER TOP, TRANSVERSE ROLLER TOP										
4.0	102	6	1.42-1.69	36-43	2.20	56	4.10	104	2.56	65
5.2	132	8	2.10-2.30	53-58	2.60	66	5.30	135	3.17	81
6.4	163	10	2.77-2.92	70-74	2.77	70	6.50	165	3.79	96
7.8	198	12	3.42-3.55	87-90	3.00	76	7.90	201	4.42	112
10.1	257	16	4.72-4.81	120-122	3.20	81	10.20	259	5.68	144
S400 0.85-IN DIAMETER TRANSVERSE ROLLER TOP										
4.0	102	6	1.27-1.54	32-39	1.72	44	3.96	101	2.48	63
5.2	132	8	1.95-2.15	50-55	2.13	54	5.18	132	3.09	78
6.4	163	10	2.62-2.77	67-70	2.43	62	6.42	163	3.71	94
7.8	198	12	3.27-3.40	83-86	2.78	71	7.68	195	4.34	110
10.1	257	16	4.56-4.66	116-118	3.20	81	10.20	259	5.60	142

[1] To establish dimensions, use the top of the roller as the top of the belt and the bottom of the roller as the bottom of the belt.

SPROCKET DESCRIPTION - CONVEYOR FRAME DIMENSIONS A, B, C, E (CONT.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S400 ANGLED ROLLER (0-, 30-, 45-, 60-, AND 90-DEGREE)[1]										
4.0	102	6	1.29-1.56	33-40	1.70	43	4.00	102	2.50	64
5.2	132	8	1.98-2.18	50-55	2.11	53	5.23	133	3.11	79
6.4	163	10	2.64-2.80	67-71	2.40	61	6.47	164	3.74	95
7.8	198	12	3.29-3.43	84-87	2.75	70	7.73	196	4.36	111

INTRALOX · STRAIGHT-RUNNING

SERIES 400

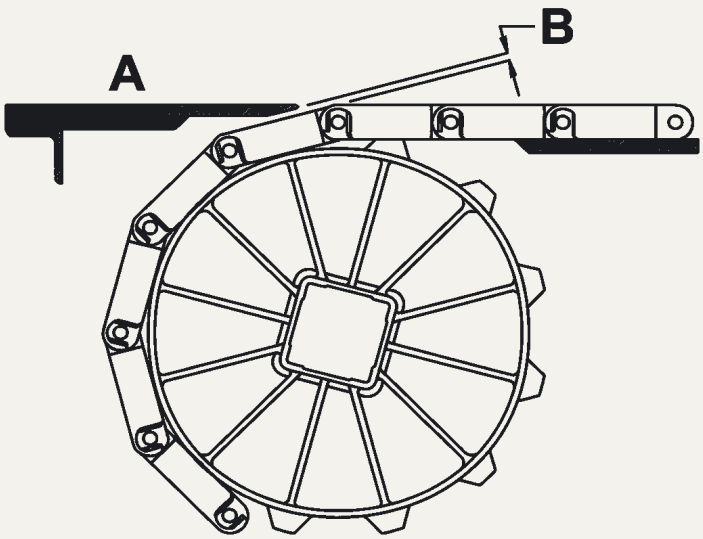
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET — A: TOP SURFACE OF DEAD PLATE; B: DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH	IN	MM
IN	MM			
4.0	102	6	0.268	6.8
5.2	132	8	0.200	5.1
5.8	147	9	0.178	4.5
6.4	163	10	0.160	4.1
7.8	198	12	0.130	3.3
8.4	213	13	0.121	3.1
10.1	257	16	0.100	2.5

INTRALOX · STRAIGHT-RUNNING

SERIES 550

SPROCKET AND SUPPORT QUANTITY REFERENCE

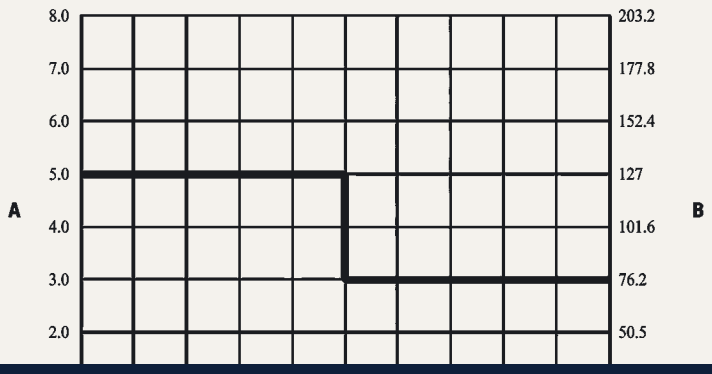
SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
8	203	3	3	3
9	229	3	3	3
10	254	4	3	3
11	279	4	4	3
12	305	4	4	3
13	330	4	4	4
14	356	4	4	4
15	381	5	4	4
16	406	5	5	4
17	432	5	5	4
18	457	5	5	4
19	483	5	5	5
20	508	6	5	5
24	610	6	6	5
30	762	8	7	6
36	914	9	9	7
42	1067	10	10	8
48	1219	11	11	9
54	1372	12	12	10
60	1524	14	13	11
66	1676	15	15	12
72	1829	16	16	13
78	1981	17	17	14
84	2134	18	18	15
90	2286	20	19	16
96	2438	21	21	17
120	3048	26	25	21
156	3962	33	33	27
For other widths, use an odd number of sprockets[3]			Maximum 6 in (152 mm) centerline spacing	Maximum 12 in (305 mm) centerline spacing

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.0 in (25.4 mm) increments beginning with a minimum width of 8 in (203.2 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
*[3] Lock down the center sprockets. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see **Retainer Rings and Center Sprocket Offset**.*



STRENGTH FACTOR – 24T AND 32T SPROCKET LINES VS. SPEED/LENGTH RATIO (V/L)



INTRALOX · STRAIGHT-RUNNING

SERIES 550

EZ CLEAN™ SPROCKET

EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
24 (0.86%)	2.4	61	2.4	61	1	25	1	1	25	
32 (0.48%)	3.2	81	3.2	81	1	25		1.5		40

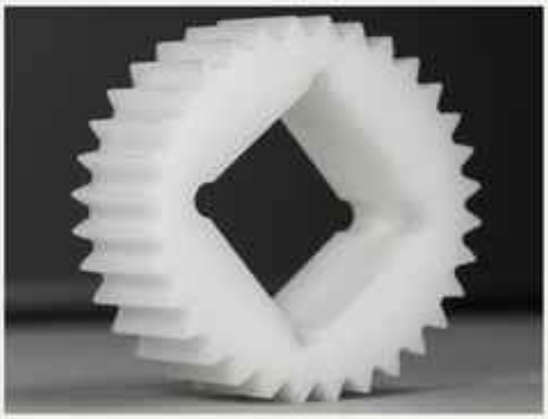
[1] Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967(R1989) and metric key sizes conform to DIN standard 6885.



EZ CLEAN™ SPROCKET

NON-TRACKING SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
24 (0.86%)	2.4	61	2.4	61	1.48	38	1	1	25	
32 (0.48%)	3.2	81	3.2	81	1.48	38		1.5		40



NON-TRACKING SPROCKET

CONVEYOR FRAME DIMENSIONS

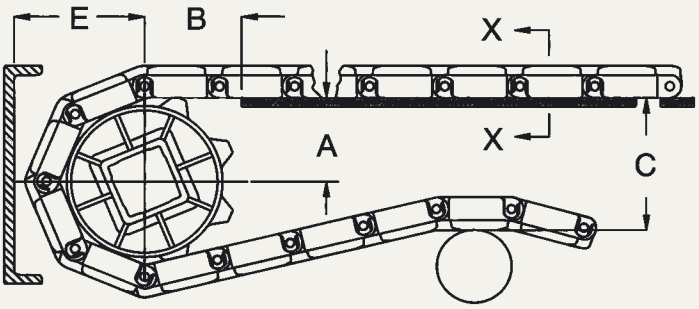
Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.

INTRALOX · STRAIGHT-RUNNING

SERIES 550 (CONT.)



A ± 0.031 in (1 mm)
B ± 0.125 in (3 mm)
C ± (max.)
E ± (min.)

CONVEYOR FRAME DIMENSIONS – A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

SPROCKET DESCRIPTION - CONVEYOR FRAME DIMENSIONS A, B, C, E

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S550 TIGHT TRANSFER FLAT TOP										
2.4	61	24	1.09	28	1.27	32	2.41	61	1.38	35
3.2	81	32	1.49	38	1.51	38	3.21	82	1.78	45

INTRALOX · STRAIGHT-RUNNING

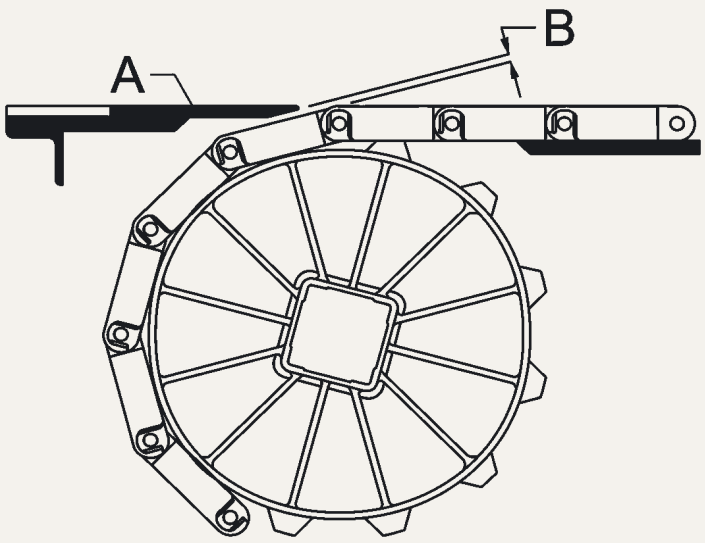
SERIES 550

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET — A TOP SURFACE OF DEAD PLATE, B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
2.4	61	24	0.028	0.7
3.2	81	32	0.021	0.5

INTRALOX · STRAIGHT-RUNNING

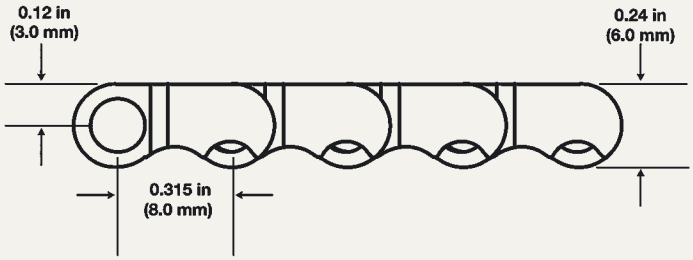
SERIES 560 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	0.315	8.0
Minimum Width	4	101.6
Maximum Width	62	1575
Width Increments	1.00	25.4
Open Area	0%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Rod diameter: 0.140 in (3.6 mm).
- Designed for 0.236 in (6 mm) diameter nosebars.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.14 IN (3.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	375	560	-50 to 200	-46 to 93	1.08	5.27
Acetal	LMAR	325	480	-50 to 200	-46 to 93	0.91	4.4426
LMAR	LMAR	275	410	-50 to 290	-46 to 143	0.87	4.2473

INTRALOX · STRAIGHT-RUNNING

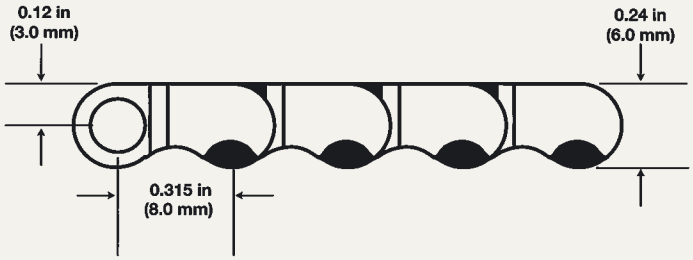
SERIES 560 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	0.315	8.0
Minimum Width	4.0	101.6
Maximum Width	62	1575
Width Increments	1.0	25.4
Opening Size (approximate)	0.4 × 0.14	10.2 × 3.5
Open Area	32%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, upper surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for orientation-sensitive transfers.
- Rod diameter: 0.140 in (3.6 mm).
- Designed for 0.236 in (6 mm) diameter nosebars.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.14 IN (3.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	300	450	-50 to 200	-46 to 93	0.87	4.25
Acetal	LMAR	250	370	-50 to 200	-46 to 93	0.84	4.10
LMAR	LMAR	200	300	-50 to 290	-46 to 143	0.72	3.52

INTRALOX · STRAIGHT-RUNNING

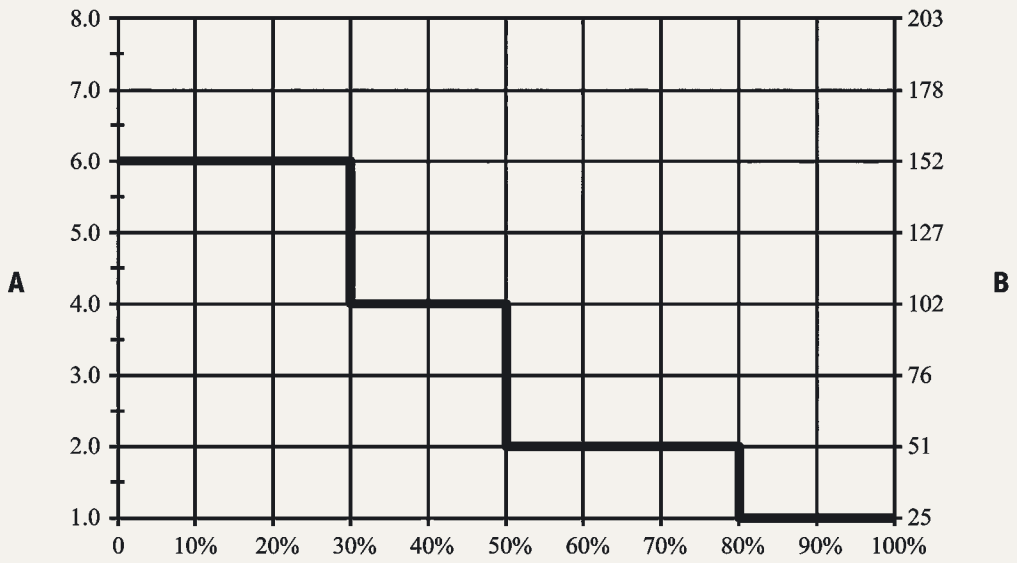
SERIES 560

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
4	102	2	2	2
6	152	2	2	2
8	203	3	3	3
12	305	3	3	3
18	457	4	4	4
24	610	5	4	4
30	762	6	5	5
36	914	7	6	6
42	1067	8	7	7
48	1219	10	8	8
54	1372	11	9	9
60	1524	12	10	10

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[3], [4] Wearstrips (carryway and returnway): maximum 6 in (152 mm) centerline spacing.
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.0 in (25.4 mm) increments beginning with a minimum width of 4 in (101.6 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprockets. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Ring/Center Sprocket Offset, or contact Uniking for assistance.
[4] For drive shaft, use an odd number of sprockets at maximum of 4.0 in (102 mm) centerline spacing.



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A SPROCKET SPACING, IN; B SPROCKET SPACING, MM; HORIZONTAL AXIS: PERCENTAGE OF ALLOWABLE BELT STRENGTH UTILIZED

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
24 (0.86%)	2.4	61	2.5	64	1	25	1	1	25	25
32 (0.48%)	3.2	81	3.3	84	1	25		1.5		40



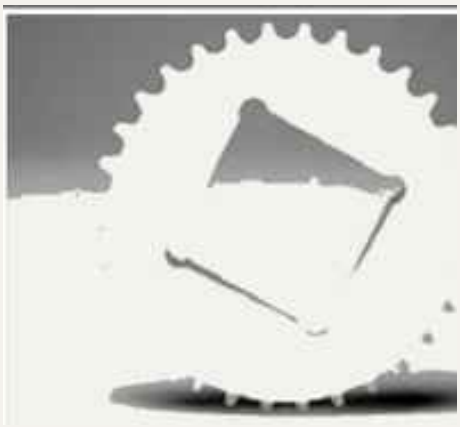
INTRALOX · STRAIGHT-RUNNING

SERIES 560

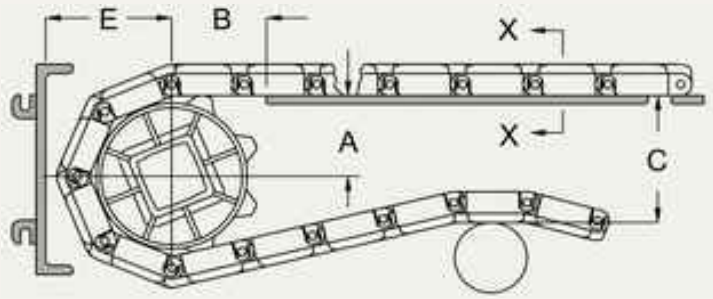
MACHINED SPROCKET

MACHINED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
18 (1.52%)	1.8	46	1.9	48	1	25	1	0.75	25	20
36 (0.38%)	3.6	91	3.7	94	1	25		1.5		40



MACHINED SPROCKET



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.

SPROCKET DESCRIPTION

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S560 FLAT TOP, FLUSH GRID										
1.8	46	18	0.78	20	1.15	29	1.81	46	1.09	28
2.4	61	24	1.08	27	1.35	34	2.41	61	1.39	35
3.2	81	32	1.48	38	1.57	40	3.21	82	1.79	45
3.6	91	36	1.68	43	1.67	42	3.61	92	1.99	51

A ± 0.031 in (1 mm)
B ± 0.125 in (3 mm)
C ± (max.)
E ± (min.)

INTRALOX · STRAIGHT-RUNNING

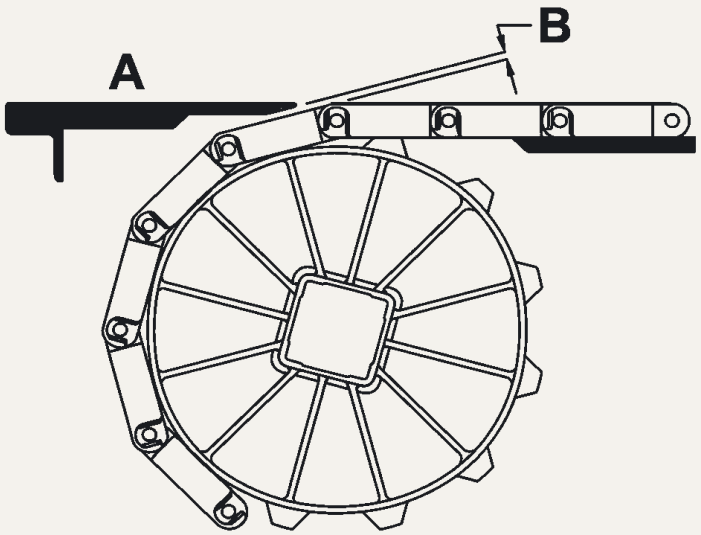
SERIES 560

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET — A TOP SURFACE OF DEAD PLATE, B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
1.8	46	18	0.014	0.4
2.4	61	24	0.010	0.3
3.2	81	32	0.008	0.2
3.6	91	36	0.007	0.2

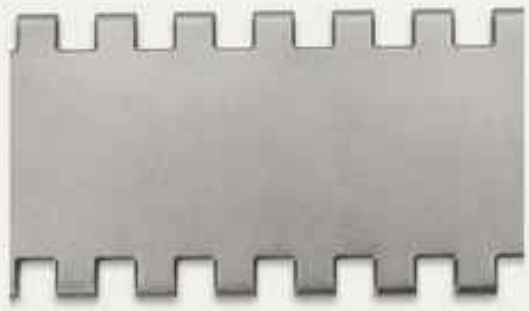
INTRALOX · STRAIGHT-RUNNING

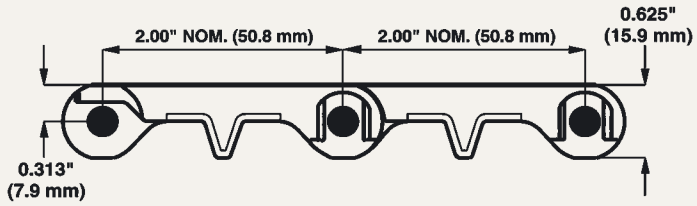
SERIES 800 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Impact-resistant belt designed for tough, meat-industry applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and sideguards are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.77	8.66
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.87	9.13
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.75	13.43
Nylon	Polyethylene	1200	1780	-50 to 150	-46 to 66	2.32	11.33
Detectable polypropylene A22	Polyethylene	650	967	34 to 150	1 to 66	2.21	10.79

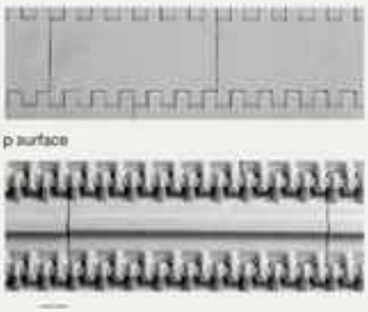
INTRALOX · STRAIGHT-RUNNING

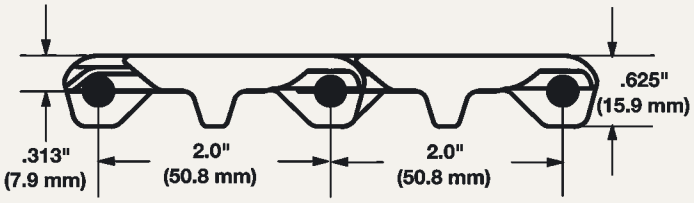
SERIES 800 - OPEN HINGE FLAT TOP

OPEN HINGE FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Fully sculpted and radiused corners, so there are no pockets or sharp corners to catch and hold debris.
- Cam-link designed hinges expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Compatible with S800 Flat Top. Can be spliced directly into S800 Flat Top, using the same sprockets and accessories.
- Streamlined flights are available. Standard height is 6 in (152.4 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.63	7.96
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.70	8.30
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3
PK	PK	900	1340	-40 to 200	-40 to 93	2.26	12.01
X-ray detectable acetal	X-ray detectable acetal	900	1339	-50 to 200	-46 to 93	3.06	11.03

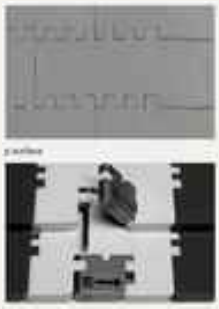
INTRALOX · STRAIGHT-RUNNING

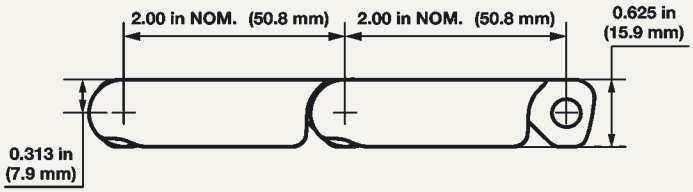
SERIES 800 - OPEN HINGE FLAT TOP WITH HEAVY-DUTY EDGE

OPEN HINGE FLAT TOP WITH HEAVY-DUTY EDGE

	IN	MM
Pitch	2.00	50.8
Minimum Width	10	254.0
Width Increments	0.66	16.8
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Impact-resistant belt designed for tough, meat-industry applications.
- Closed flush edge provides belt robustness and no catchpoints.
- Fully sculpted and radiused corners, with no pockets or sharp corners that can catch and hold debris.
- Like S1600 and S1800, the drive bar on the underside of this belt style channels water and debris to the outside of the belt for easier, faster cleanup. The drive bar sweeps into the closed edge to further aid in washing away debris. Drive bar effectiveness is proven both in-house and in field tests.
- Available with Clean Release variation. Clean Release allows tool-free belt removal and installation and eliminates foreign material contamination caused by belt or rod damage when opening or closing belts.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Also available in 6 in (152 mm) and 8 in (203 mm) mold to width.
- Streamlined flights are available.
- For flight options, contact Uniking Customer Service.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
PK	PK	900	1340	-40 to 200	-40 to 93	2.46	12.01

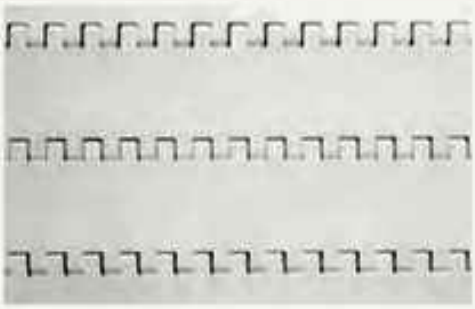
INTRALOX · STRAIGHT-RUNNING

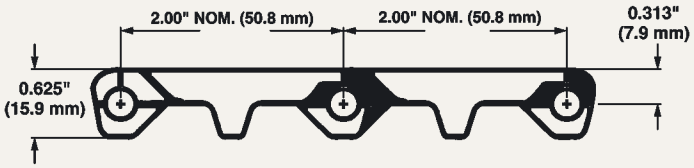
SERIES 800 - SEAMFREE™ OPEN HINGE FLAT TOP

SEAMFREE™ OPEN HINGE FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Cam-link designed hinges expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Fully sculpted and radiused corners, so there are no pockets or sharp corners to catch and hold debris.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Compatible with S800 Flat Top. Can be spliced directly into S800 Flat Top, using the same sprockets and accessories.
- Belts over 36 in (914 mm) are built with multiple modules per row, but seams are minimized.
- Streamlined flights are available. Standard height is 6 in (152.4 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.70	8.30
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3
X-Ray Detectable Acetal[1]	Blue polyethylene	900	1340	-50 to 150	-46 to 66	2.98	13.67

[1] *Designed specifically for detection by X-ray machines.*

INTRALOX · STRAIGHT-RUNNING

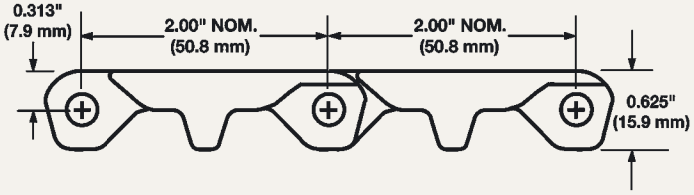
SERIES 800 - TOUGH FLAT TOP

TOUGH FLAT TOP

	IN	MM
Pitch	2.00	51.0
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Cam-link designed hinges expose more hinge and rod area as the belt goes around the sprocket. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- White and grey material is fully Food and Drug Administration (FDA) and EU MC compliant.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Withstands extreme impact in food processing applications.
- Compatible with S800 Flat Top and S800 Open Hinge. Can be spliced directly into either style, using the same sprockets and accessories.
- Easy retrofit from S1800 without extensive conveyor frame changes for most meat industry applications since the A, B, C, and E dimensions are within 0.25 in (6 mm) of S1800.
- A molded-in indent 1.3 in (33 mm) from the edge is available.
- Streamlined Tough flights are available. Standard height is 4 in or (101.6 mm) or 6 in (152.4 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Hi-Impact	PK	500	744	0 to 120	-18 to 49	2.26	11.03
Hi-Impact	Polyethylene	450	670	0 to 120	-18 to 49	2.26	11.03

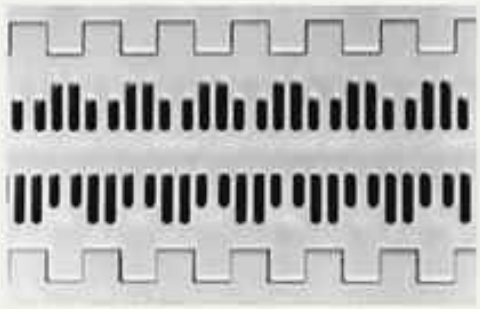
INTRALOX · STRAIGHT-RUNNING

SERIES 800 - PERFORATED FLAT TOP

PERFORATED FLAT TOP

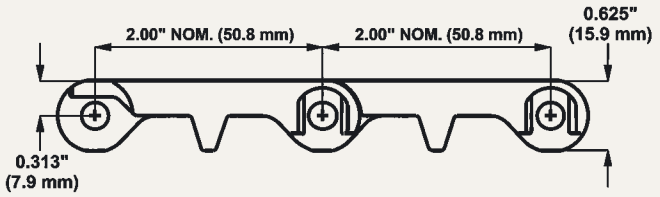
	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Minimum Opening Size (approximate)	0.29 × 0.08	7.4 × 1.9
Maximum Opening Size (approximate)	0.44 × 0.08	11.1 × 1.9
Open Area	18%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	





PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Perforated version of S800 Flat Top.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and sideguards are available.



BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.54	7.25
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.59	7.76
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.28	11.15

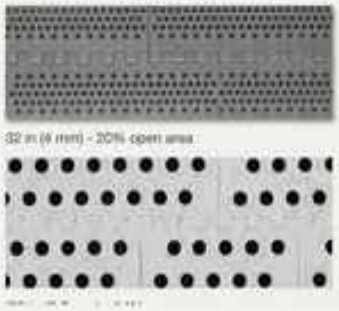
INTRALOX · STRAIGHT-RUNNING

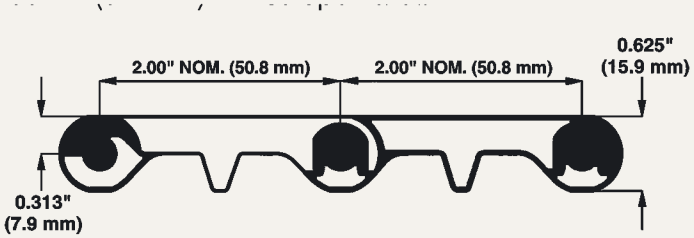
SERIES 800 - PERFORATED FLAT TOP ROUND HOLE

PERFORATED FLAT TOP ROUND HOLE

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size	See photos on right.	
Open Area	See photos on right.	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Round hole versions of Series 800 Perforated Flat Top.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Stainless steel split sprockets are not recommended.
- For abrasive applications, use with Series 800 polyurethane sprockets.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1488	34 to 220	1 to 104	1.54	7.52
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.59	7.76
Acetal	Polyethylene	900	1339	-50 to 150	-46 to 66	2.28	11.15
ChemBlox™[1]	ChemBlox	900	1339	0 to 150	-18 to 66	2.87	14.01
PK[1]	PK	900	1339	-40 to 200	-40 to 93	2.05	10.01

[1] *Only available in 11/32 in (8.73 mm).*

INTRALOX · STRAIGHT-RUNNING

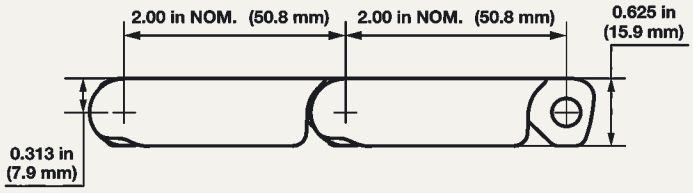
SERIES 800 - PERFORATED FLAT TOP 11/32 IN ROUND HOLE WITH HEAVY-DUTY EDGE

PERFORATED FLAT TOP 11/32 IN ROUND HOLE WITH HEAVY-DUTY EDGE

	IN	MM
Pitch	2	50.8
Minimum Width	10	254.0
Width Increments	0.66	16.8
Opening Size (approximate)	11/32	8.75
Open Area	14%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Closed flush edge design provides a robust belt with no catchpoints.
- The drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. The drive bar sweeps into the closed edge to further aid in washing away debris. Drive bar effectiveness is proven both in-house and in field tests.
- Impact-resistant belt designed for tough, meat-industry applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
PK	PK	900	1340	-40 to 200	-40 to 93	2.22	10.84

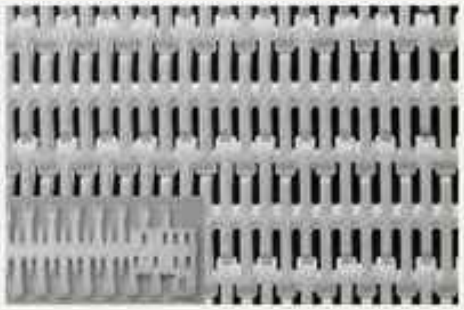
INTRALOX · STRAIGHT-RUNNING

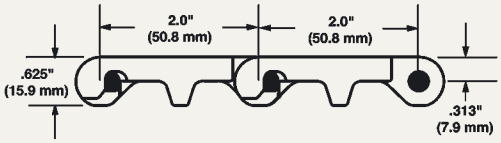
SERIES 800 - FLUSH GRID

FLUSH GRID

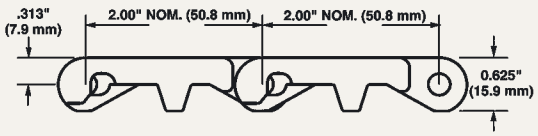
	IN	MM
Pitch	2.00	50.8
Minimum Width	4.6	117
Width Increments	0.66	16.8
Opening Size (approximate)	0.15 × 0.90	3.8 × 22.9
Open Area	27%	
Product Contact Area	73%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







Drawing for polyethylene



Drawing for all other materials

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Open slots improve drainage and cleanability.
- Perforations on polyethylene edge modules are slightly different. See inset photo on right.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Provides excellent drainage during production and cleanup. Hole design eliminates water collecting on belt surface and being carried throughout processing line.
- Bi-directional belt design allows sprockets to drive or idle belt in both directions. Reduces chances of installation error.
- Complete range of accessories available, including round-top flights, flights with drainage bases, and sideguards.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	800	1190	34 to 220	1 to 104	1.45	7.08
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.63	7.96
Acetal	Polyethylene	1000	1490	-50 to 150	-46 to 66	2.25	10.99
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	2.25	10.99
Detectable polypropylene A22	Polypropylene	500	744	34 to 150	1 to 66	1.71	8.35
ChemBlox™	ChemBlox	1000	1488	0 to 150	-18 to 66	2.83	13.82

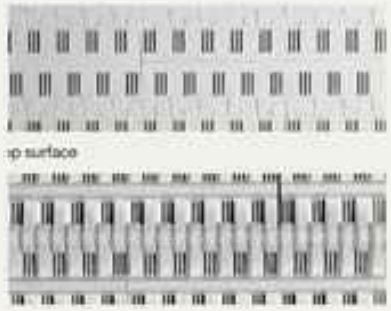
INTRALOX · STRAIGHT-RUNNING

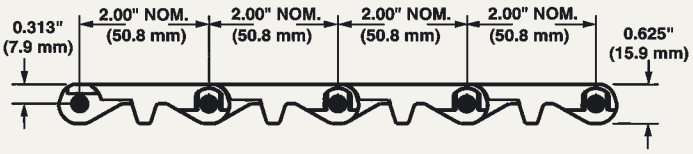
SERIES 800 - MESH TOP

MESH TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size (approximate)	0.50 × 0.04	12.7 × 1.0
Open Area	9%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights are available.
- Not compatible with sideguards.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.60	7.86

INTRALOX · STRAIGHT-RUNNING

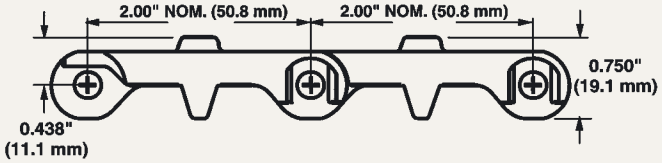
SERIES 800 - MINI RIB

MINI RIB

	IN	MM
Pitch	2.00	50.8
Minimum Width	2	51
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Impact resistant belt designed for tough meat industry applications.
- Not recommended for product accumulation conditions. If values are required, contact Uniking Customer Service.
- 0.125 in (3 mm) Mini Rib on surface accommodates gradual inclines and declines.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.77	8.66
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.87	9.13
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.92	14.26

INTRALOX · STRAIGHT-RUNNING

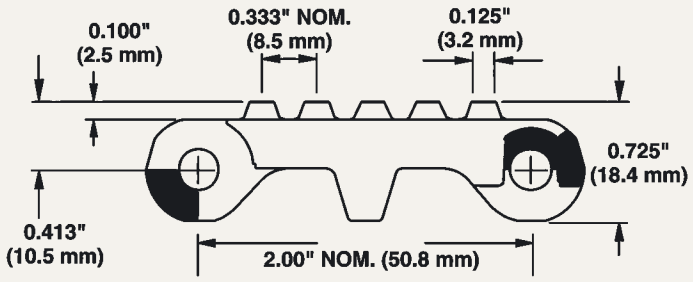
SERIES 800 - NUB TOP

NUB TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	4	102
Width Increments	0.66	16.8
Open Area	0%	
Product Contact Area	15%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Not recommended for product accumulation conditions. If values are required, contact Uniking Customer Service.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Standard flights and sideguards (without nubs) are available.
- Standard nub indent: 1.3 in (33.0 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.90	9.26
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	2.01	9.80
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.95	14.40

INTRALOX · STRAIGHT-RUNNING

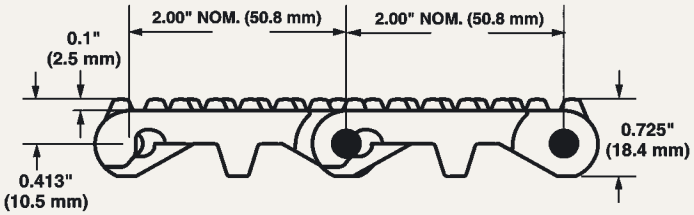
SERIES 800 - FLUSH GRID NUB TOP

FLUSH GRID NUB TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	4.6	117
Width Increments	0.66	16.8
Opening Size (approximate)	0.15 × 0.90	3.8 × 22.9
Open Area	27%	
Product Contact Area	15%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge, unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Perforations on polyethylene edge modules are slightly different. See inset photo.
- Nub pattern reduces contact between belt surface and product.
- Nub pattern is continuous over the surface of the belt, even over the hinges.
- Available in acetal and polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Recommended for products large enough to span the distance between the nubs.
- Compatible with S800 Flush Grid flights only.
- Standard nub indent: 1.3 in (33.0 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	800	1190	34 to 220	1 to 104	1.56	7.62
Acetal	Polyethylene	1000	1490	-50 to 150	-46 to 66	2.36	11.52
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	2.36	11.52
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.85	9.03

INTRALOX · STRAIGHT-RUNNING

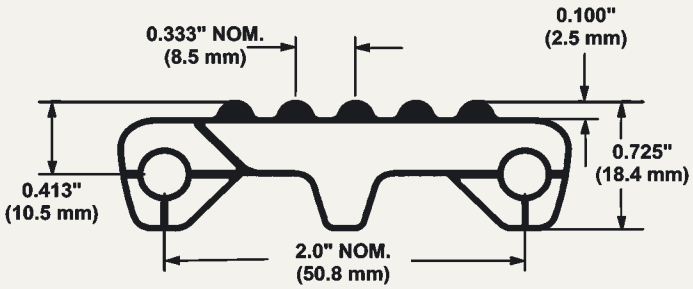
SERIES 800 - SEAMFREE™ OPEN HINGE NUB TOP™

SEAMFREE™ OPEN HINGE NUB TOP™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Fully sculpted and radiused corners, with no pockets or sharp corners to catch and hold debris.
- Cam-link hinge provides easy cleaning, with greater hinge and rod exposure as the belt moves around the sprockets.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for more information.
- Nub height: 0.100 in (2.5 mm).
- Nub spacing: 0.333 in (8.5 mm).
- Standard nub indent: 1.3 in (33.0 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.72	13.26

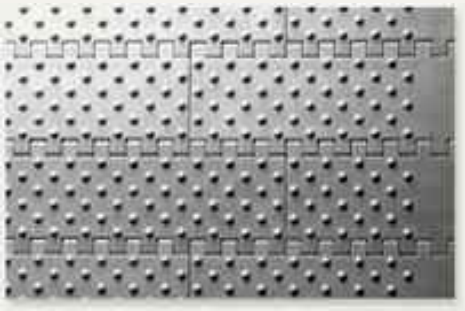
INTRALOX · STRAIGHT-RUNNING

SERIES 800 - CONE TOP™

CONE TOP™

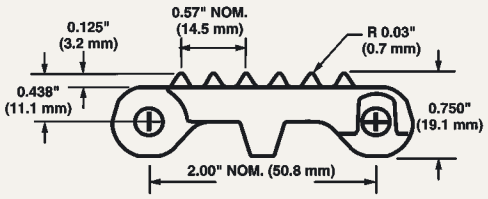
	IN	MM
Pitch	2.00	50.8
Minimum Width	4	102
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	





PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. If values are required, contact Uniking Customer Service.
- Standard flights and sideguards (without cones) are available.
- Standard cone indent: 1.3 in (33.0 mm).



BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.84	13.89

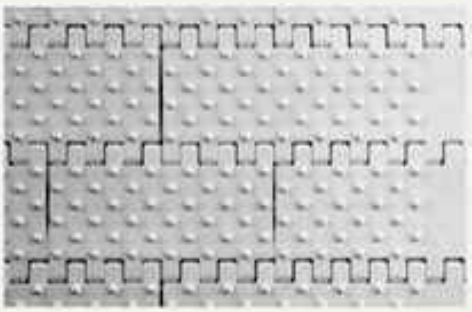
INTRALOX · STRAIGHT-RUNNING

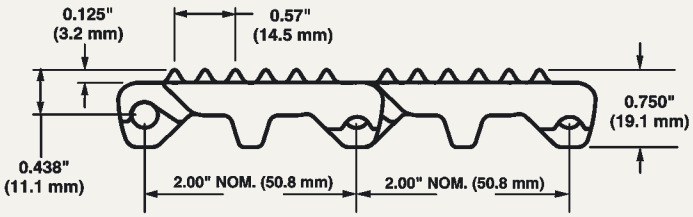
SERIES 800 - OPEN HINGE CONE TOP™

OPEN HINGE CONE TOP™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Fully sculpted and radiused corners, with no pockets or sharp corners to catch and hold debris.
- Cam-link hinge provides easy cleaning, with greater hinge and rod exposure as the belt moves around the sprockets.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for more information.
- Standard cone indent: 1.3 in (33.0 mm).
- Standard flights and sideguards (without cones) are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	900	1340	34 to 220	1 to 104	1.63	7.96
Polyethylene	Polyethylene	500	744	-50 to 150	-46 to 66	1.70	8.30
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.52	12.3

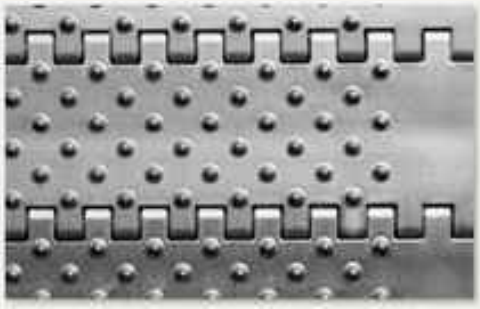
INTRALOX · STRAIGHT-RUNNING

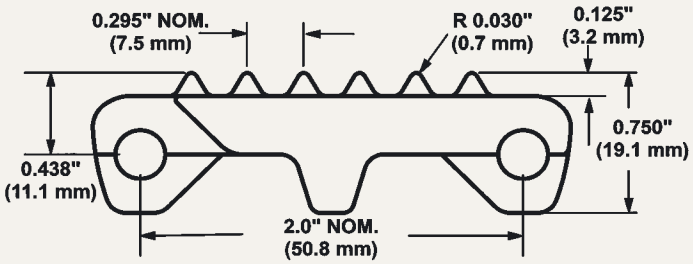
SERIES 800 - SEAMFREE™ OPEN HINGE CONE TOP™

SEAMFREE™ OPEN HINGE CONE TOP™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	0.66	16.8
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Cam-link hinge provides easy cleaning, with greater hinge and rod exposure as the belt moves around the sprockets.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for more information.
- Cone height: 0.125 in (3.2 mm).
- Cone spacing: 0.295 in (7.5 mm).
- Standard cone indent: 1.3 in (33 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polyethylene	900	1340	-50 to 150	-46 to 66	2.61	12.72

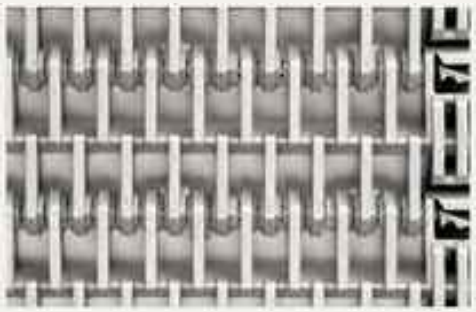
INTRALOX · STRAIGHT-RUNNING

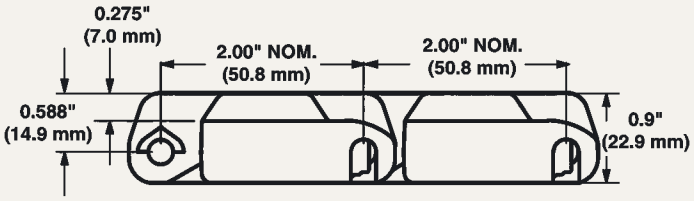
SERIES 800 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	2.00	50.8
Minimum Width	14	356
Width Increments	2.00	50.8
Opening Size (approximate)	0.51 × 0.49	12.9 × 12.4
Open Area	40%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Open slots improve drainage and cleanability.
- Cam-link design hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Fully compatible with S800 EZ Clean™ angled sprockets.
- Finger transfer plates are available.
- Raised ribs extend 0.275 in (7.0 mm) above basic module with fully flush edges.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.48	7.23
Enduralox PP	Polypropylene	1000	1490	34 to 220	1 to 104	1.48	7.23

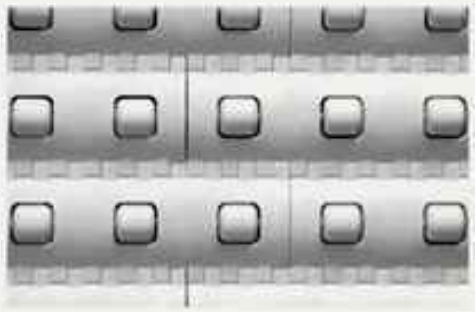
INTRALOX · STRAIGHT-RUNNING

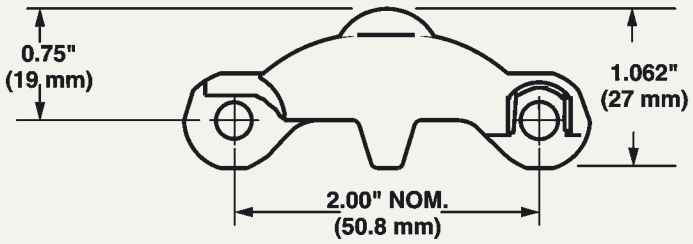
SERIES 800 - ROLLER TOP

ROLLER TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	See Product Notes	
Width Increments	See Product Notes	
Opening Size	-	-
Open Area	3%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Has fully flush edges.
- Uses acetal rollers.
- Uses stainless steel axles.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Impact resistant belt designed for tough box and package, low back-pressure applications.
- Product accumulation load is 5%–10% of product weight.
- Roller diameter: 0.70 in (17.8 mm). Roller length - 0.825 in (20.9 mm).
- Roller spacing: 2.0 in (50.8 mm).
- Standard roller indent: 0.60 in (15 mm).
- Custom widths of 4 in (102 mm) and 6 in (152 mm) and from 10 in (254 mm) and up, in 2.00 in (50.8 mm) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1000	1490	34 to 200	1 to 93	2.93	14.34
Polyethylene	Acetal	500	744	-50 to 150	-46 to 66	2.99	14.62
Acetal	Acetal	900	1340	-50 to 150	-46 to 66	4.11	20.10

INTRALOX · STRAIGHT-RUNNING

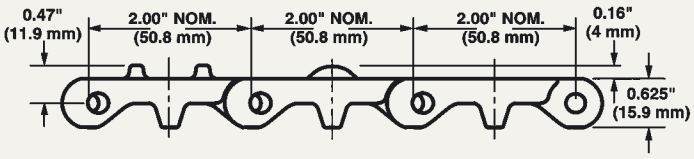
SERIES 800 - ROUNDED FRICTION TOP

ROUNDED FRICTION TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	8	203
Width Increments	0.66	16.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- The Rounded Friction Top module is black rubber on a white PP composite base module.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- No mistracking or stick-slip effect, even on long runs. Belt is positively tracked by the sprocket drive system instead of unreliable friction rollers.
- Thermally bonded rubber does not peel off. Friction Top surface is co-molded (thermally bonded) with the plastic base instead of glued on or mechanically fastened.
- Rounded Friction Top module can be used with other S800 styles. Use the belt strength rating of the accompanying modules.
- Easy to maintain and repair: Intralox reusable unheaded rods are quickly removed and installed with only minimal tools, so one can replace individual modules in minutes.
- No tensioning required, which eliminates expensive tensioning systems.
- Lower construction cost: Intralox sprocket drive requires far less space than a friction roller system, allowing shallow, less expensive trench construction.
- Lower wearstrip replacement cost: Flat Top edge modules prevent premature wearstrip erosion. The smooth surface spans 1.5 in (38.1) mm from the outer edge.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene Composite	Acetal	2500	3713	-50 to 150	-46 to 66	2.3	11.25 · Base/friction color: White/Black · Friction Top hardness: -

INTRALOX · STRAIGHT-RUNNING

SERIES 800

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

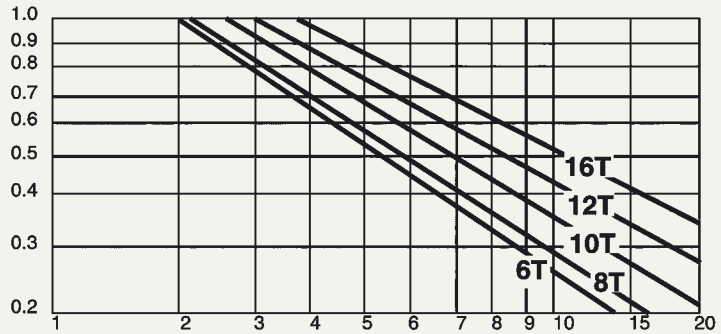
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	5	4	3
24	610	5	4	3
30	762	5	5	4
32	813	7	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13

For other widths, use odd number of sprockets at maximum 6 in (152 mm) centerline spacing.[3] Wearstrips – Carryway: maximum 9 in (229 mm) centerline spacing; Returnway: maximum 12 in (305 mm) centerline spacing.

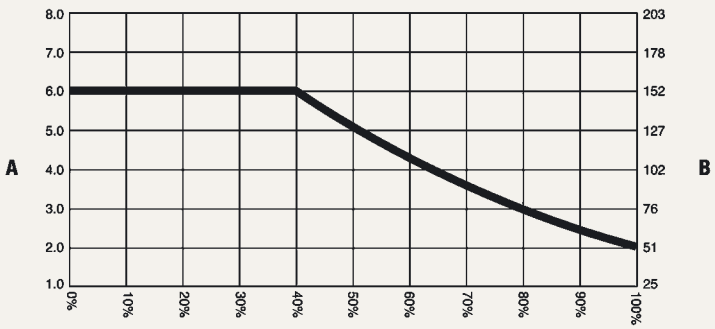
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 0.66 in (16.8 mm) increments beginning with minimum width of 2 in (51 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets. Polyurethane sprockets require a maximum 4 in (102 mm) centerline spacing.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L), SPROCKET LINES 6T–16T



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

A Sprocket spacing, in

B Sprocket spacing, mm

INTRALOX · STRAIGHT-RUNNING

SERIES 800

EZ CLEAN™ SPROCKET[1]

EZ CLEAN™ SPROCKET[1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[2]	SQUARE (IN)	ROUND (MM)[2]	SQUARE (MM)
6 (13.40%)	4.0	102	3.8	97	1.5	38	1.0	1.5	30	40
8 (7.61%)	5.2	132	5.0	127	1.5	38	1.0	1.5	30	40
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40

[1] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain the published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).
[2] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885



EZ CLEAN™ SPROCKET

SPLIT ULTRA ABRASION RESISTANT POLYURETHANE (FDA) SPROCKET[3]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[4]	SQUARE (IN)	ROUND (MM)[4]	SQUARE (MM)
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40
								2.5		60

[3] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain their published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C). These sprockets are FDA approved.
[4] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885

INTRALOX · STRAIGHT-RUNNING

SERIES 800 (CONT.)



SPLIT ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

MOLDED SPROCKET[5]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	5.2	132	5.0	127	1.5	38		1.5		40
10 (4.89%)	6.5	165	6.2	157	1.5	38		1.5		40
								2.0		
								2.5		60
12 (3.41%)	7.7	196	7.5	191	1.5	38		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40
								2.5		60

[5] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain the published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).



MOLDED SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 800

ABRASION RESISTANT SPLIT METAL SPROCKETS

ABRASION RESISTANT SPLIT METAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	5.2	132	5.0	127	1.7	43		1.5		40
								2.5		60
10 (4.89%)	6.5	165	6.2	157	1.7	43		1.5		40
								2.5		60
12 (3.41%)	7.7	196	7.5	191	1.7	43		1.5		40
								2.5		60
16 (1.92%)	10.3	262	10.1	257	1.7	43		1.5		40
								2.5		60



ABRASION RESISTANT SPLIT METAL SPROCKET

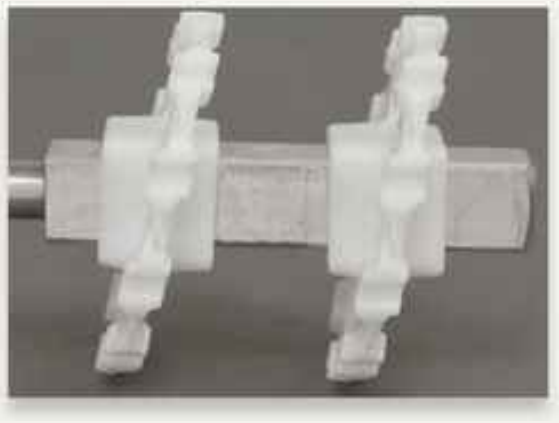
ANGLED EZ CLEAN™ SPROCKET[1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6 (13.40%)	4.0	102	3.8	97	2.0	50.8		1.5		40
8 (7.61%)	5.2	132	5.0	127	2.0	50.8		1.5		40
10 (4.89%)	6.5	165	6.2	157	2.0	50.8		1.5		40
12 (3.41%)	7.7	196	7.5	191	2.0	50.8		1.5		40
16 (1.92%)	10.3	262	10.1	257	2.0	50.8		1.5		40
								2.5		60

[1] Do not use Angled EZ Clean Sprockets with Series 800 Mesh Top.

INTRALOX · STRAIGHT-RUNNING

SERIES 800 (CONT.)



ANGLED EZ CLEAN™ SPROCKETS ON SHAFT

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- An extension can be welded at a 45-degree angle to create a bent flight.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

STREAMLINE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene, polyethylene, acetal, nylon
2	51	
3	76	
4	102	
6	152	



STREAMLINE FLIGHTS

INTRALOX · STRAIGHT-RUNNING

SERIES 800

FLAT TOP BASE FLIGHTS (NO-CLING)

FLAT TOP BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal

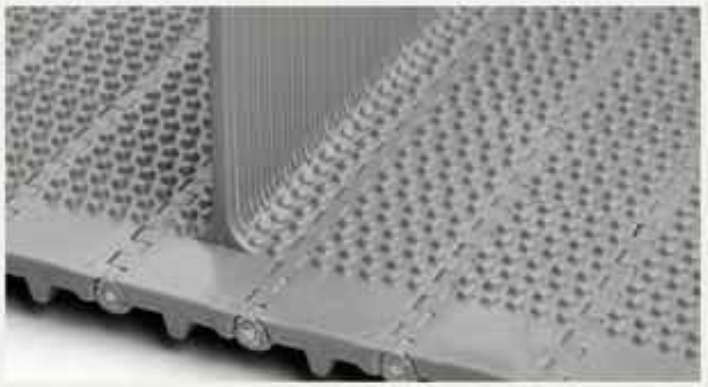


FLAT TOP BASE FLIGHT (NO-CLING)

- No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

NUB TOP BASE FLIGHTS (DOUBLE NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal



NUB TOP BASE FLIGHT (DOUBLE NO-CLING)

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

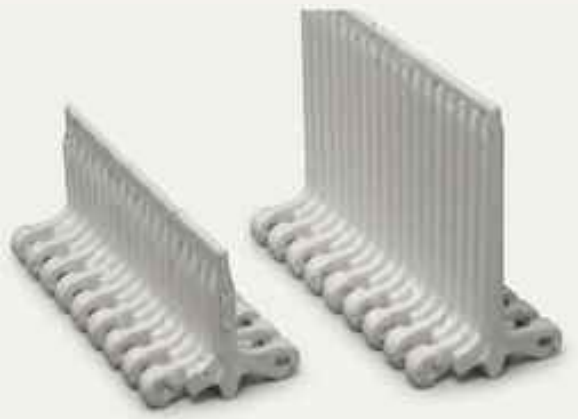
INTRALOX · STRAIGHT-RUNNING

SERIES 800

FLUSH GRID BASE FLIGHTS (NO-CLING)

FLUSH GRID BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal, ChemBlox™, detectable polypropylene A22
4	102	



FLUSH GRID BASE FLIGHTS (NO-CLING)

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Available with a 1.3 in (33 mm) molded indent.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

NO-CLING IMPACT RESISTANT OPEN HINGE NUB TOP FLIGHTS

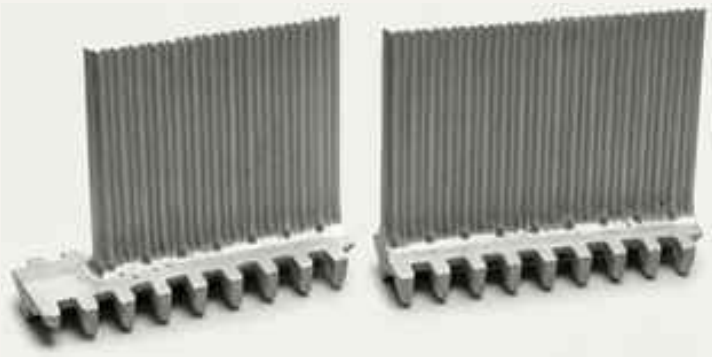
AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Acetal, polypropylene



- The No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- These flights cannot be used with the S800 Perforated Flat Top (slotted version with 18% open area).
- Molded 1.3 in (33 mm) indent available.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

NO-CLING IMPACT RESISTANT OPEN HINGE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Acetal, polypropylene, polyethylene



NO-CLING IMPACT RESISTANT OPEN HINGE FLIGHTS

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Available with a 1.3 in (33 mm) molded indent.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

INTRALOX · STRAIGHT-RUNNING

SERIES 800

HEAVY-DUTY EDGE FLIGHTS

HEAVY-DUTY EDGE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	PK

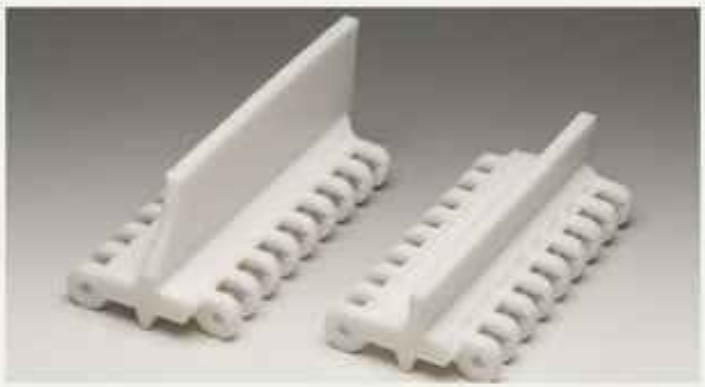


HEAVY-DUTY EDGE FLIGHTS

- Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).
- Available with 1.3 in (33 mm) and 2 in (51 mm) molded indent.
- Flights can be cut down to custom heights. Minimum height: 1.0 in (25.4 mm).
- Streamline flights are smooth on both sides.

IMPACT RESISTANT FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Acetal, X-Ray Detectable Acetal
2	51	
3	76	
4	102	



IMPACT RESISTANT FLIGHTS

- Each flight rises out of the center of its supporting module. No fasteners are required.
- Standard 4 in (102 mm) height can be cut to suit application.
- Available with 1.3 in (33 mm) and 2 in (51 mm) molded indent.
- Minimum indent without sideguards: 1.3 in (33 mm).

OPEN HINGE IMPACT RESISTANT FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal, X-ray detectable acetal, ChemBlox™, PK
6	152	



OPEN HINGE IMPACT RESISTANT FLIGHTS

- Each flight rises out of the center of its supporting module. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Molded 2 in (51 mm) indent available.

TOUGH FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Hi-Impact
6	152	



INTRALOX · STRAIGHT-RUNNING

SERIES 800

SCOOP FLIGHTS

SCOOP FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
3	76	Polypropylene, polyethylene, acetal, nylon, ChemBlox™
4	102	
6	152	



SCOOP FLIGHTS

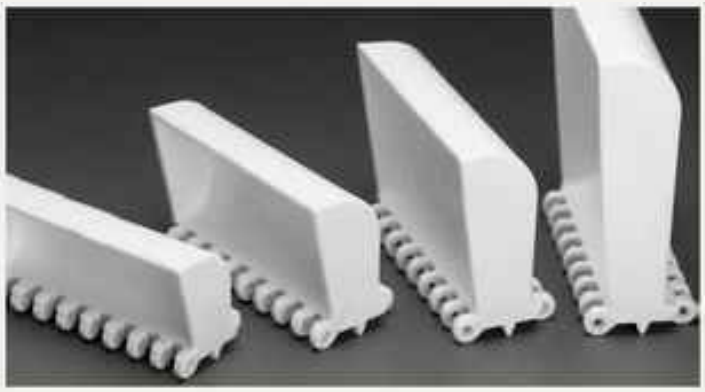
- Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.
- Bucket flights and scoop flights can be cut and combined for custom-built belts. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

- Each flight rises out of its supporting module, molded as an integral part. No fasteners are required.
- Bucket flights and scoop flights can be cut and combined for custom-built belts. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 1.3 in (33 mm).

BUCKET FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
2.25[3]	57[4]	Polypropylene, polyethylene, acetal
3	76	
4	102	
6	152	

[1].25 in (57 mm) bucket flight only available in polypropylene.



BUCKET FLIGHTS

- Flights consist of 3 pieces: the base module, the attachment, and the rod.
- Open slots improve drainage for inclines.
- Flight surface has 30% open area.
- Belt surface has 0% open area. Base module is S800 Flat Top Open Hinge.
- Flights can be cut and combined for custom-built belts. Contact Uniking Customer Service for more information.
- Do not use with S800 Perforated Flat Top (slotted version with 18% open area) or S800 Flush Grid Nub Top.
- Bucket profile has a 0.27 in (6.9 mm) gap between the belt top surface and the bottom surface of bucket side panel.
- Approximate flight surface opening size: 0.130 in (3.3 mm) × 2.40 in (70.0 mm).
- Minimum indent without sideguards: 2.00 in (50.8 mm).

3-PIECE PERFORATED BUCKET AND SCOOP FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal



INTRALOX · STRAIGHT-RUNNING

SERIES 800

COMBINING BUCKET FLIGHTS AND SCOOP FLIGHTS



6 IN (152 MM) BUCKET FLIGHTS WITH INDENT



3 IN (76 MM) BUCKET FLIGHT AND SCOOP FLIGHTS, NO INDENT



4 IN (102 MM) BUCKET FLIGHT AND SCOOP FLIGHTS, NO INDENT



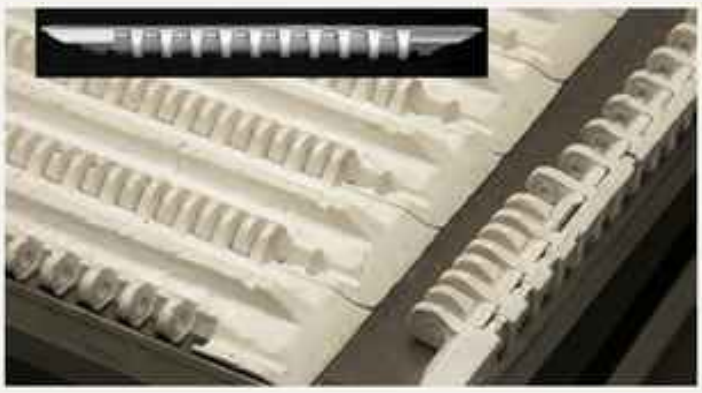
6 IN (152 MM) BUCKET FLIGHT AND SCOOP FLIGHTS WITH INDENT

COMBINING BUCKET FLIGHTS AND SCOOP FLIGHTS

NOTE: Bucket flights and scoop flights can be cut and combined for custom-built belts. Contact Uniking Customer Service for more information.

TAPERED EDGE

AVAILABLE MATERIALS
Polypropylene, acetal



TAPERED EDGE

- Attaches to S800 Open Hinge Flat Top modules–4 in (102 mm) wide.
- 3/4 in-10 thread.
- Commonly used on poultry cone assemblies for the manual deboning process.

- Compatible with Series 800 Flat Top and Series 800 Mesh Top.
- Designed to accept headed plastic rods.
- Steel rods can be retained with plastic rodlets.

THREADED BARREL ATTACHMENTS

AVAILABLE MATERIALS
Acetal



THREADED BARREL ATTACHMENTS

INTRALOX · STRAIGHT-RUNNING

SERIES 800

SIDEGUARDS

SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal
3	76	
4	102	
6	152	



SIDEGUARDS

- Fastened by the hinge rods.
- Sideguards use a standard overlapping design and are an integral part of the belt, with no fasteners required.
- Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.
- When going around the 6- and 8-tooth sprocket, the sideguards fan out, opening a gap at the top that can allow small products to fall out. The sideguards stay completely closed when going around the 10-, 12- and 16-tooth sprockets.
- Normal gap between the sideguards and the edge of a flight: 0.3 in (8 mm).
- Minimum indent: 0.7 in (18 mm) except for Flush Grid which is 1.3 in (33 mm).

MOLDED-IN SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal



MOLDED-IN SIDEGUARDS

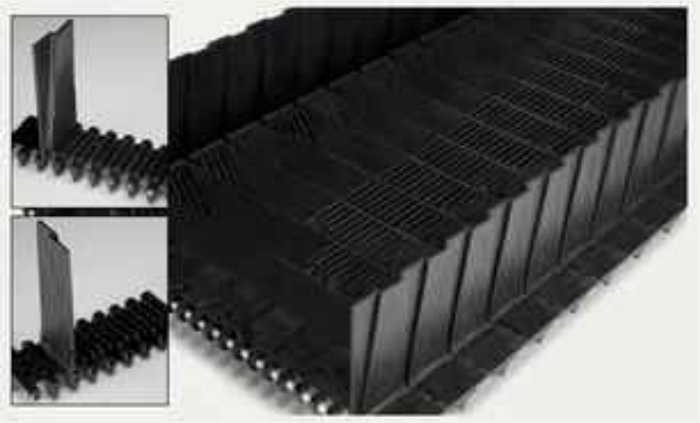
- Molded as an integral part of the belt, with no fasteners required.
- Part of the Intralox EZ Clean product line.
- Overlapping sideguards fully open when wrapping around sprocket, allowing greater access during cleaning. Sideguards partially open on forward bends of elevating conveyors.
- Sideguards can be spliced into all S800 belts, except Flat Top, Perforated Flat Top (18% open area) and Flush Grid Nub Top.
- Standard 4 in (102 mm) height can be cut to suit application.
- Molded indent: 1.3 in (33 mm).
- Minimum backbend radius: 12 in (305 mm).

NUB TOP MOLDED-IN SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
4	102	Acetal, polypropylene

INTRALOX · STRAIGHT-RUNNING

SERIES 800 (CONT.)



NUB TOP MOLDED-IN SIDEGUARDS

- Molded as an integral part of the belt, with no fasteners required.
- Part of the Intralox EZ Clean product line.
- Nub Top design and No-Cling rib feature provide a non-stick conveying surface that delivers superior product release and cleanability.
- Overlapping sideguards fully open when wrapping around sprocket, allowing greater access during cleaning. Sideguards partially open on forward bends of elevating conveyors.
- Sideguards can be spliced into all Series 800 belts, except Series 800 Perforated Flat Top (18% open area) and Series 800 Flush Grid Nub Top.
- Standard 4 in (102 mm) height can be cut to suit application.
- Molded indent: 1.3 in (33 mm).
- Minimum backbend radius: 10 in (254 mm).

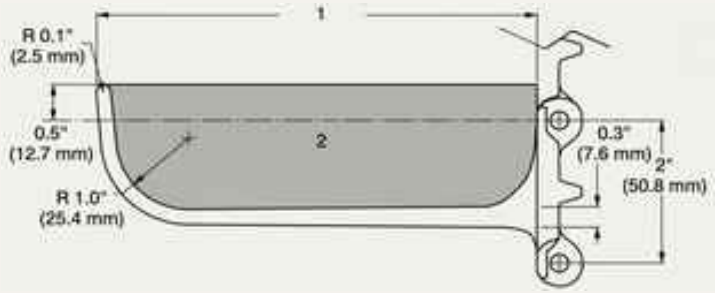
INTRALOX · STRAIGHT-RUNNING

SERIES 800

SCOOP/BUCKET FLIGHT CROSS SECTIONAL AREA FOR VERTICAL INCLINE

HEIGHT		AREA	
IN	MM	SQ IN	SQ MM
SCOOP HEIGHT			
3	76	4.3	2774
4	102	6.0	3871
6	152	9.5	6129
BUCKET HEIGHT			
2.25	57	2.3	1484
3.00	76	4.3	2774
4.00	102	6.0	3871
6.00	152	9.5	6129

Minimum row spacing: 6 in (152 mm) for 6 in (152 mm) scoops and buckets, and 4 in (102 mm) for all other sizes.



SCOOP/BUCKET FLIGHT CROSS SECTION – 1 HEIGHT, 2 AREA

INTRALOX ROD REMOVERS

	U.S. UNITS	METRIC UNITS
Length	6.5 in	165.1 mm
Width	2.2 in	55.9 mm
Height	1.1 in	27.9 mm
Weight	0.54 lb	1.2 kg



INTRALOX ROD REMOVER

- Designed to minimize belt and rod damage when inserting or removing headed and unheaded rods.
- Eliminates foreign material contamination caused by belt or rod damage.
- Etched QR code on the tool links to an instructional video.
- Intuitive design for sanitation and maintenance users.
- Compatible with:
- S800 Flat Top
- S800 Open Hinge Flat Top
- S800 Open Hinge Flat Top with Heavy-Duty Edge
- S800 Perforated Flat Top
- For up-to-date compatibility with other belts, contact Uniking Customer Service.

INTRALOX BELT PULLER SET

SINGLE BELT PULLER	U.S. UNITS	METRIC UNITS
Length	14.4 in	365.8 mm
Width	4.2 in	106.7 mm
Height	0.5 in	12.7 mm
Weight	2 lb	0.9 kg
Total Weight of Belt Puller Set	6 lb	2.7 kg



INTRALOX BELT PULLER

INTRALOX · STRAIGHT-RUNNING

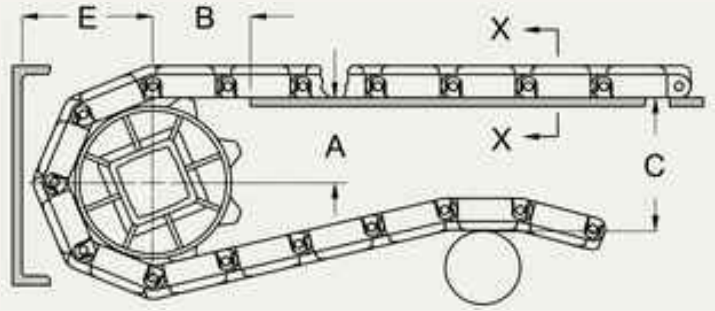
SERIES 800

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S800 FLAT TOP, FLUSH GRID, MESH TOP, OPEN HINGE FLAT TOP, OPEN HINGE FLAT TOP WITH HEAVY DUTY EDGE, SEAMFREE OPEN HINGE FLAT TOP, TOUGH FLAT TOP, PERFORATED FLAT TOP (ALL STYLES)										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.00	102	2.38	60
5.2	132	8	2.09-2.29	53-58	2.00	51	5.20	132	2.98	76
6.5	165	10	2.78-2.94	71-75	2.16	55	6.50	165	3.63	92
7.7	196	12	3.41-3.54	87-90	2.45	62	7.70	196	4.23	107
10.3	262	16	4.74-4.84	120-123	2.84	72	10.30	262	5.53	140
S800 MINI RIB										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.13	105	2.50	64
5.2	132	8	2.09-2.29	53-58	2.00	51	5.33	135	3.10	79
6.5	165	10	2.78-2.94	71-75	2.16	55	6.63	168	3.75	95
7.7	196	12	3.41-3.54	87-90	2.45	62	7.83	199	4.35	110
10.3	262	16	4.74-4.84	120-123	2.84	72	10.43	265	5.65	144
S800 FLUSH GRID NUB TOP, NUB TOP, SEAMFREE OPEN HINGE NUB TOP										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.10	104	2.48	63
5.2	132	8	2.10-2.30	53-58	1.98	50	5.33	135	3.09	78
6.5	165	10	2.77-2.92	70-74	2.18	55	6.57	167	3.71	94
7.7	196	12	3.42-3.55	87-90	2.43	62	7.83	199	4.34	110
10.3	262	16	4.72-4.81	120-122	2.88	73	10.35	263	5.60	142
S800 CONE TOP, OPEN HINGE CONE TOP, SEAMFREE OPEN HINGE CONE TOP										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.13	105	2.50	64
5.2	132	8	2.10-2.30	53-58	1.98	50	5.35	136	3.11	79
6.5	165	10	2.77-2.92	70-74	2.18	55	6.60	168	3.74	95
7.7	196	12	3.42-3.55	87-90	2.43	62	7.85	199	4.36	111
10.3	262	16	4.72-4.81	120-122	2.88	73	10.38	264	5.63	143
S800 ROLLER TOP										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.44	113	2.81	71
5.2	132	8	2.10-2.30	53-58	1.98	50	5.66	144	3.43	87
6.5	165	10	2.77-2.92	70-74	2.18	55	6.91	176	4.05	103
7.7	196	12	3.42-3.55	87-90	2.43	62	8.17	207	4.68	119

Tolerances: A ± 0.031 in (1 mm) B ± 0.125 in (3 mm) C ± (max.) E ± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 800 (CONT.)

CONVEYOR FRAME DIMENSIONS (CONT.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
10.3	262	16	4.72-4.81	120-122	2.88	73	10.69	272	5.94	151
S800 RAISED RIB										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.28	109	2.65	67
5.2	132	8	2.09-2.29	53-58	2.00	51	5.48	139	3.25	83
6.5	165	10	2.78-2.94	71-75	2.16	55	6.78	172	3.90	99
7.7	196	12	3.41-3.54	87-90	2.45	62	7.98	203	4.50	114
10.3	262	16	4.74-4.84	120-123	2.84	72	10.58	269	5.80	147
S800 ROUND FRICTION TOP										
4.0	102	6	1.42-1.69	36-43	1.74	44	4.16	106	2.53	64
5.2	132	8	2.09-2.29	53-58	2.00	51	5.36	136	3.13	80
6.5	165	10	2.78-2.94	71-75	2.17	55	6.66	169	3.78	96
7.7	196	12	3.40-3.54	86-90	2.45	62	7.86	200	4.38	111
10.3	262	16	4.74-4.84	120-123	2.84	72	10.46	266	5.68	144

INTRALOX · STRAIGHT-RUNNING

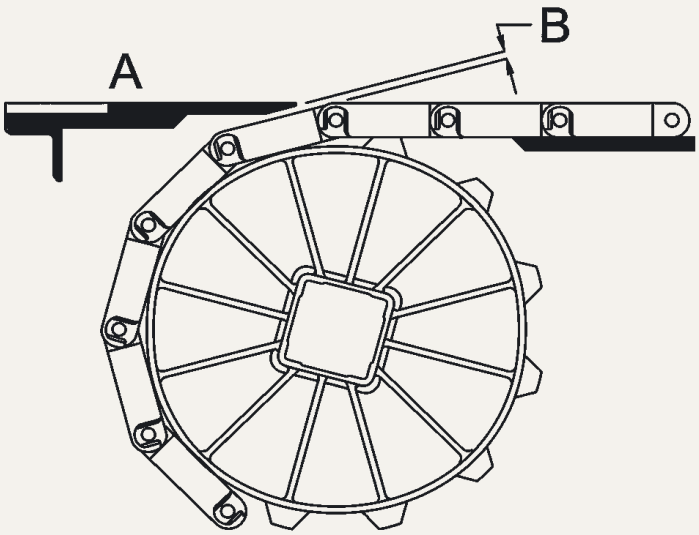
SERIES 800

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT SPROCKET — A TOP SURFACE OF DEAD PLATE, B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
4.0	102	6	0.268	6.8
5.2	132	8	0.200	5.1
6.5	165	10	0.158	4.0
7.7	196	12	0.132	3.4
10.3	262	16	0.098	2.5

INTRALOX · STRAIGHT-RUNNING

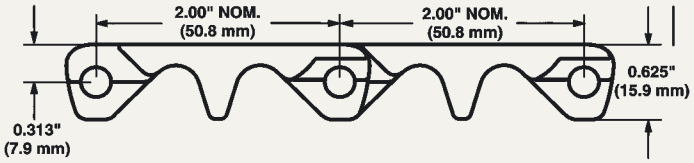
SERIES 850 - SEAMFREE™ MINIMUM HINGE FLAT TOP

SEAMFREE™ MINIMUM HINGE FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Cam-link hinge provides easy cleaning, with greater hinge and rod exposure as the belt moves around the sprockets.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Designed for use with S800 Angled EZ Clean sprockets. Also fully compatible with standard S800 EZ Clean sprockets.
- Belts over 36 in (914 mm) are built with multiple modules per row, but seams are minimized.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	275	409	-50 to 200	-46 to 93	2.19	10.68
Acetal	Polypropylene	250	372	34 to 200	1 to 93	2.13	10.41
Acetal	Polyethylene	150	223	-50 to 150	-46 to 66	2.13	10.40
Polyethylene	Acetal	200	298	-50 to 150	-46 to 66	1.50	7.32
Polyethylene	Polyethylene	150	223	-50 to 150	-46 to 66	1.44	7.05

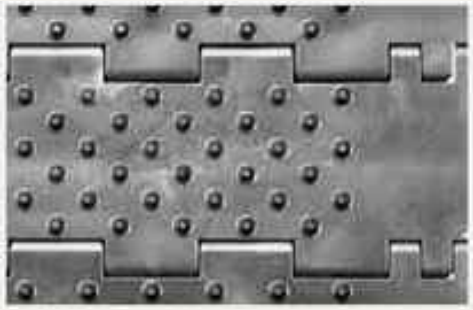
INTRALOX · STRAIGHT-RUNNING

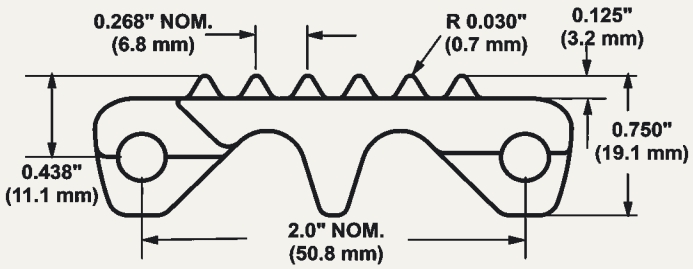
SERIES 850 - SEAMFREE™ MINIMUM HINGE CONE TOP™

SEAMFREE™ MINIMUM HINGE CONE TOP™

	IN	MM
Pitch	2.00	50.8
Minimum Width	6	152
Maximum Width	36	914
Width Increments	1.00	25.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for more information.
- Cone height: 0.125 in (3.2 mm).
- Cone spacing: 0.268 in (6.88 mm).
- Standard cone indent: 1.3 in (33 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	275	409	-50 to 200	-46 to 93	2.28	11.13
Acetal	Polypropylene	250	372	34 to 200	1 to 93	2.22	10.84
Acetal	Polyethylene	150	223	-50 to 150	-46 to 66	2.22	10.84
Polyethylene	Acetal	200	298	-50 to 150	-46 to 66	1.56	7.62

INTRALOX · STRAIGHT-RUNNING

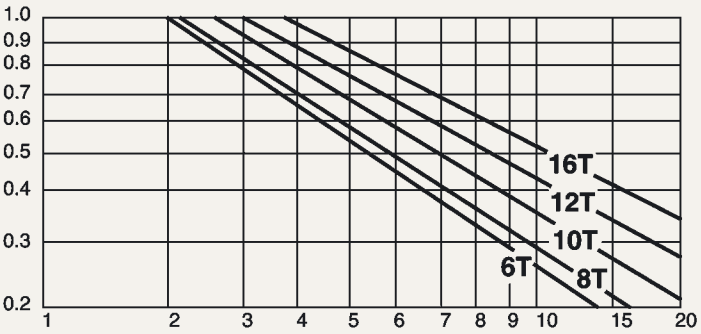
SERIES 850

SPROCKET AND SUPPORT QUANTITY REFERENCE

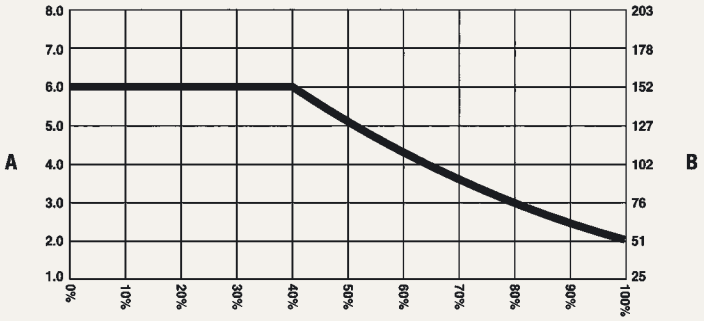
SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE1		MINIMUM NUMBER OF SPROCKETS PER SHAFT2	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	5	4	3
24	610	5	4	3
30	762	5	5	4
32	813	7	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13

For other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing.3 Carryway wearstrips: maximum 9 in (229 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.
1 If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.0 in (25.4 mm) increments beginning with minimum width of 2 in (51 mm).
2 This number is a minimum. Heavy-load applications can require additional sprockets. Polyurethane sprockets require a maximum 4 in (102 mm) centerline spacing.
3 Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.



STRENGTH FACTOR – 6T, 8T, 10T, 12T AND 16T SPROCKET LINES



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A Sprocket spacing, in

B Sprocket spacing, mm

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See Belt Selection Instructions for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

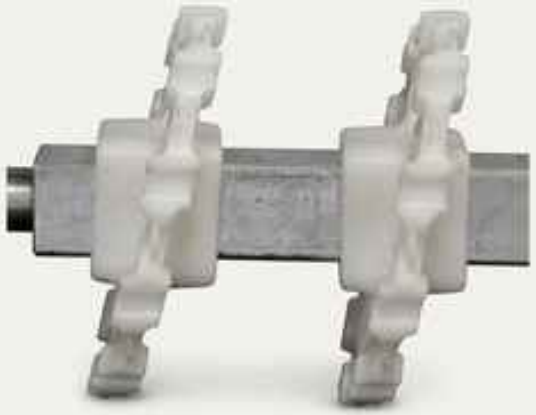
SERIES 850

ANGLED EZ CLEAN™ SPROCKET1

ANGLED EZ CLEAN™ SPROCKET1

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6 (13.40%)	4.0	102	3.8	97	2.0	50.8		1.5		40
8 (7.61%)	5.2	132	5.0	127	2.0	50.8		1.5		40
10 (4.89%)	6.5	165	6.2	157	2.0	50.8		1.5		40
12 (3.41%)	7.7	196	7.5	191	2.0	50.8		1.5		40
16 (1.92%)	10.3	262	10.1	257	1.5	38		1.5		40
								2.5		60

1 Do not use Angled EZ Clean Sprockets with Series 800 Mesh Top

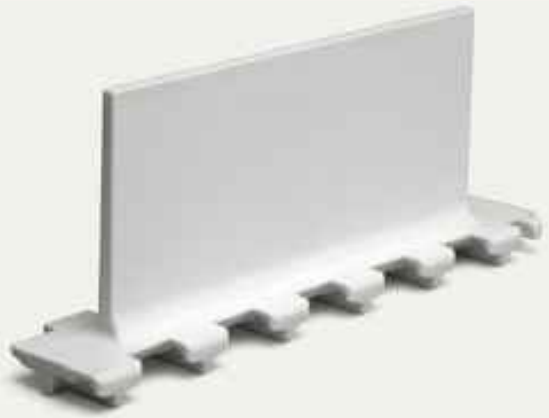


ANGLED EZ CLEAN SPROCKETS ON SHAFT

STREAMLINE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Acetal

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- SeamFree flights are available in 12 in (304 mm) widths. Flighted belts greater than 12 in (304 mm) wide are available with seams minimized.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Molded-in, 1.3 in (33 mm) indent from each edge.



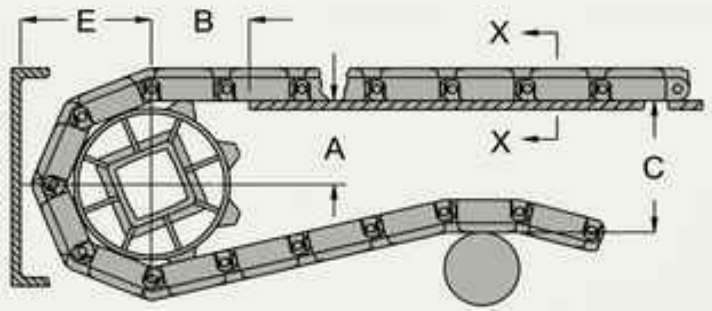
STREAMLINE FLIGHT

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

INTRALOX · STRAIGHT-RUNNING

SERIES 850

CONVEYOR FRAME DIMENSIONS

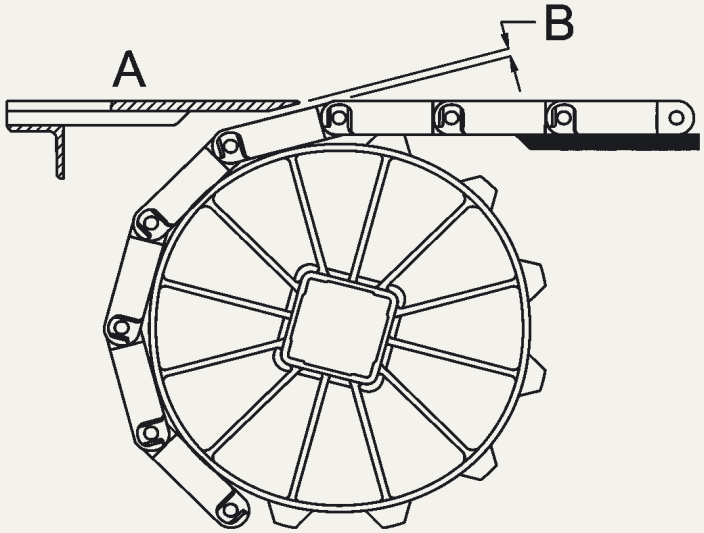
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S850 SEAMFREE MINIMUM HINGE FLAT TOP										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.00	102	2.38	60
5.2	132	8	2.09-2.29	53-58	2.00	51	5.20	132	2.98	76
6.5	165	10	2.78-2.94	71-75	2.16	55	6.50	165	3.63	92
7.7	196	12	3.41-3.54	87-90	2.45	62	7.70	196	4.23	107
10.3	262	16	4.74-4.84	120-123	2.84	72	10.30	262	5.53	140
S850 SEAMFREE MINIMUM HINGE CONE TOP										
4.0	102	6	1.42-1.69	36-43	1.73	44	4.13	105	2.50	64
5.2	132	8	2.10-2.30	53-58	1.98	50	5.35	136	3.11	79
6.5	165	10	2.77-2.92	70-74	2.18	55	6.60	168	3.74	95
7.7	196	12	3.42-3.55	87-90	2.43	62	7.85	199	4.36	111
10.3	262	16	4.72-4.81	120-122	2.88	73	10.38	264	5.63	143

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a fixed point (the tip of the dead plate) with varying clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

DEAD PLATE GAP

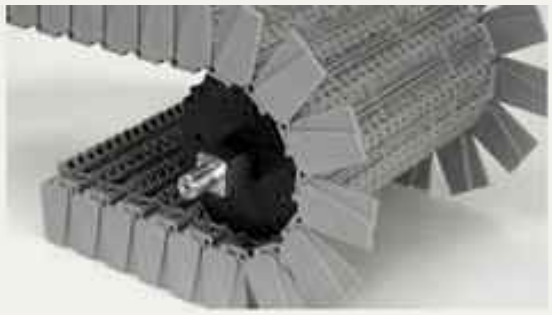
SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
5.2	132	8	0.200	5.1
6.5	165	10	0.158	4.0
7.7	196	12	0.132	3.4

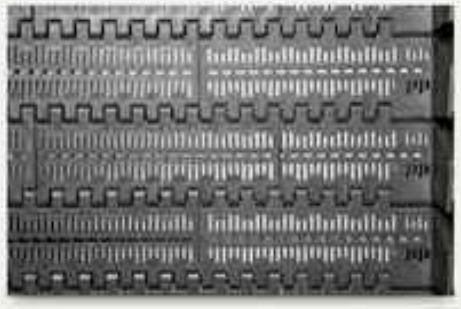
INTRALOX · STRAIGHT-RUNNING

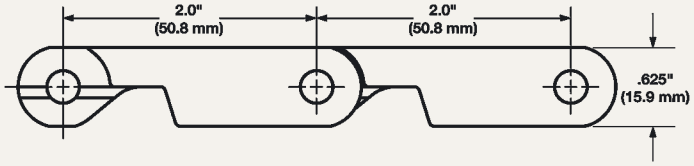
SERIES 888 - MEDIUM SLOT

MEDIUM SLOT

	IN	MM
Pitch	1.99	50.5
Minimum Width	6.0	152
Width Increments	0.66	17
Slot Size, Linear	0.08 × 0.40	2.0 × 10.2
Slot Size, Transverse	0.09 × 0.24	2.3 × 6.1
Open Area	20%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available with or without molded-in sideguards. Specify sideguards when ordering.
- Molded-in sideguards are flush with belt edges to provide maximum use of belt surface.
- Barn door style rod retention system simplifies installation and routine maintenance.
- Enduralox polypropylene material increases resistance to chemical and temperature cycling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Drive system requires less back-tension and is less sensitive to belt elongation.
- Robust design reduces contamination risks.
- For belts with molded-in sideguards, provide a minimum backbend radius of 7.0 in (180 mm).

BELT DATA

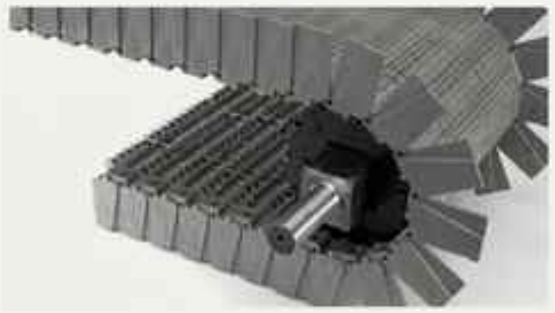
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Enduralox polypropylene	303/304 stainless steel	1500	2230	34 to 220	1 to 104	2.4	11.7

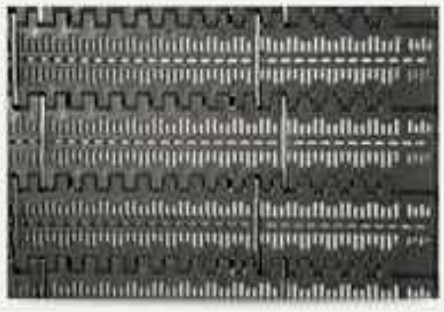
INTRALOX · STRAIGHT-RUNNING

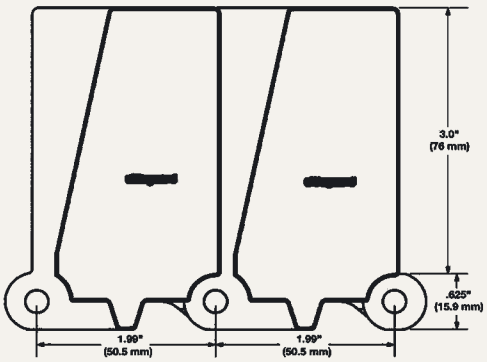
SERIES 888 - MEDIUM SLOT STAINLESS STEEL LINK (SSL)

MEDIUM SLOT STAINLESS STEEL LINK (SSL)

	IN	MM
Pitch	1.99	50.5
Minimum Width	11.3	288
Width Increments	0.66	17
Slot Size, Linear	0.08 × 0.40	2.0 × 10.2
Slot Size, Transverse	0.09 × 0.24	2.3 × 6.1
Open Area	26%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available with or without molded-in sideguards. Specify sideguards when ordering.
- Molded-in sideguards are flush with belt edges to provide maximum use of the belt surface.
- Stainless steel links (SSL) are integrated into the belt design to manage high loads and thermal expansion associated with temperature variations.
- Barn door style rod retention system simplifies installation and routine maintenance.
- Enduralox polypropylene material increases resistance to chemical and temperature cycling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Drive system requires less back tension and is less sensitive to belt elongation.
- Robust design reduces contamination risks.
- For belts with molded-in sideguards, provide a minimum backbend radius of 7 in (180 mm).

BELT DATA

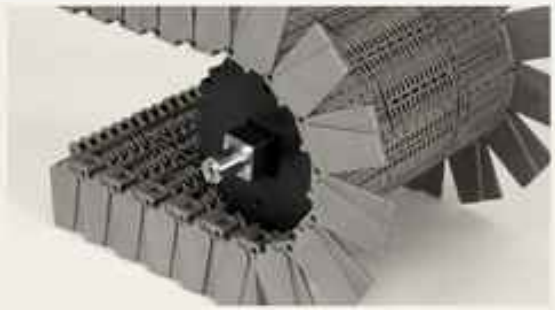
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Enduralox polypropylene	Wear resistant stainless steel	2000	3000	34 to 220	1 to 104	2.6	12.7

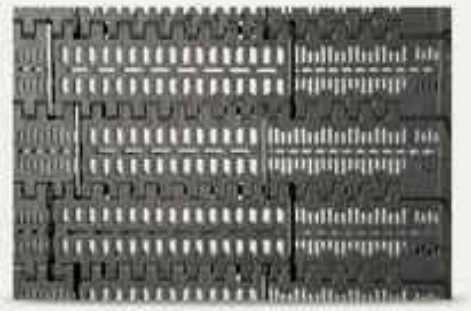
INTRALOX · STRAIGHT-RUNNING

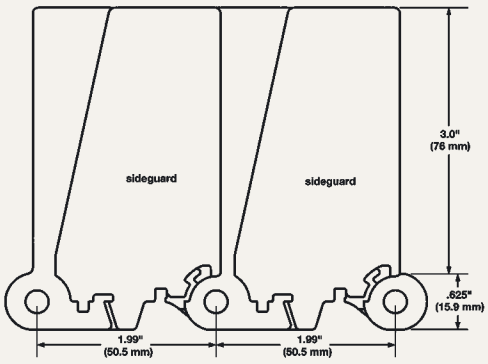
SERIES 888 - LARGE SLOT STAINLESS STEEL LINK (SSL)

LARGE SLOT STAINLESS STEEL LINK (SSL)

	IN	MM
Pitch	1.99	50.5
Minimum Width	16.0	406
Width Increments	0.66	17
Slot Size, Linear	0.16 × 0.39	4.1 × 9.9
Slot Size, Transverse	0.12 × 0.50	3.0 × 12.7
Open Area	22%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available with or without molded-in sideguards. Specify sideguards when ordering.
- Molded-in sideguards are flush with belt edges and provide maximum use of belt surface.
- Barn door style rod retention system simplifies installation and routine maintenance.
- Stainless steel links (SSL) are integrated into the belt design to manage high loads and thermal expansion associated with temperature variations.
- Proven Enduralox polypropylene material increases resistance to chemical and temperature cycling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Proven drive system requires less back tension and is less sensitive to belt elongation.
- Robust design reduces contamination risks.
- For belts with molded-in sideguards, provide a minimum backbend radius of 7 in (180 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Enduralox polypropylene	Wear resistant stainless steel	2000	3000	34 to 220	1 to 104	2.6	12.7

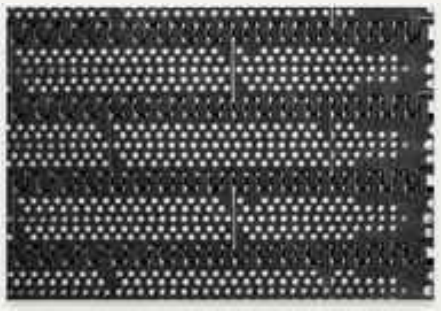
INTRALOX · STRAIGHT-RUNNING

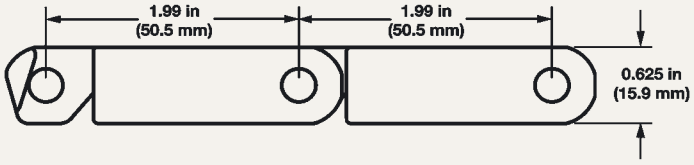
SERIES 888 - ROUND HOLE ENHANCED

ROUND HOLE ENHANCED

	IN	MM
Pitch	1.99	50.5
Minimum Width	6	152.4
Width Increments	0.66	16.8
Opening Size	5/32 (0.156)	4
Open Area	20%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Enhanced design and hole pattern of S800 Perforated Flat Top.
- Improved hole pattern and more open hinge design provides better airflow and drainage.
- S888 sprocket design requires all sprockets to be retained in position on the drive and idle shaft.
- To maintain proper tracking, design conveyors to use tracking shoes or similar devices.
- Detailed conveyor design guidelines are available. Contact Uniking Customer Service for more information.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum sprocket indent: 2.0 in (50 mm) to the sprocket edge.
- Maximum clearance between the sprocket and the retainer rings or collars: no greater than 0.125 in (3 mm) for all sprockets on the shafts.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	304 stainless steel	1500	2200	-50 to 200	-46 to 93	3.10	15.14
X-Ray Detectable Acetal	stainless steel	1500	2232	-50 to 200	-46 to 93	3.1	15.14

INTRALOX · STRAIGHT-RUNNING

SERIES 888

SPROCKET AND SUPPORT QUANTITY REFERENCE

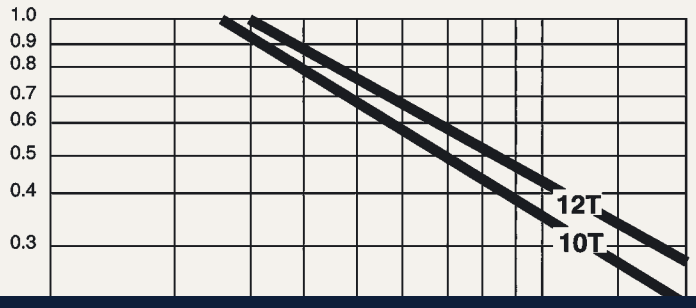
SPROCKET AND SUPPORT QUANTITY REFERENCE

MEDIUM SLOT, ROUND HOLE ENHANCED			MEDIUM SLOT SSL, LARGE SLOT SSL			WEARSTRIPS MEDIUM SLOT AND LARGE SLOT SSL	
BELT WIDTH RANGE1		MINIMUM NUMBER OF SPROCKETS PER SHAFT2	BELT WIDTH RANGE1		MAXIMUM NUMBER OF SPROCKETS PER SHAFT2	CARRYWAY	RETURNWAY
IN	MM		IN	MM			
6	152	2	22.6-28.0	575-711	6	2	2
8	203	2	28.6-30.6	727-778	7	2	2
10	254	2	31.3-35.3	795-897	8	3	2
12	305	3	36.0-40.6	914-1032	9	3	2
14	356	3	41.3-46.0	1049-1167	10	3	3
16	406	3	46.6-48.0	1184-1218	11	3	3
18	457	3	48.6-52.6	1235-1336	12	3	3
20	508	5	53.3-58.6	1353-1489	13	4	3
24	610	5	59.3-64.6	1506-1641	14	4	3
30	762	5	65.3-66.6	1658-1692	15	5	4
32	813	7	67.3-72.6	1709-1844	16	5	4
36	914	7	73.3-79.9	1861-2030	17	5	4
42	1067	7	80.6-84.6	2047-2148	18	6	5
48	1219	9	85.3-87.9	2165-2233	19	7	5
54	1372	9	88.6-91.9	2250-2335	20	7	6
60	1524	11	92.6-95.2	2351-2419	21	8	6
72	1829	13	95.9-98.6	2436-2504	22	9	7
84	2134	15	99.2-103.2	2521-2622	23	11	8
96	2438	17	103.9-109.2	2639-2774	24	12	9
120	3048	21	109.9-118.6	2791-3011	25	15	11
144	3658	25	119.2-119.9	3028-3045	26	17	13

Medium Slot, Round Hole Enhanced: for other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing. Medium Slot SSL, Large Slot SSL: to avoid sprocket interference with stainless steel links, see the sprocket installation instructions or belt maintenance and installation guidelines. Wearstrips: maximum 12 in (305 mm) centerline spacing.

1 If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 0.66 in (16.8 mm) increments beginning with minimum width of 2 in (51 mm).

2 All sprockets are to be locked in place on the shaft. Use appropriate locking collars to restrict axial movement.



STRENGTH FACTOR

Divide belt speed “V” by the shaft centerline distance “L”. Strength Factor is found at intersection of speed/length ratio and appropriate sprocket line. See Belt Selection Instructions for more information.

V = ft/min (m/min)

T = number of teeth

L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 888

NYLON SPROCKETS

NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.70%)	6.5	165	6.2	157	1.0	25	See bore size note.	See bore size note.	50, 60, 70, 80, 90 and 100	See bore size note.
12 (3.29%)	7.78	196	7.5	191	1.0	25	See bore size note.	See bore size note.	50, 60, 70, 80, 90 and 100	50, 60, 70, 80, 90

• U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
• Lock all sprockets in place on the shaft.
• Bore size note: this bore size is available as a custom order.



NYLON SPROCKET

BUILDUP RESISTANT ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.2	157	1.5	38		2.5		60 [1]

• Designed to work with the Round Hole Enhanced belt in freezer tunnel applications. Contact Uniking Customer Service for other applications.
• All sprockets are to be locked in place on shaft.
[1] Available as standard 60-mm square bore or available with four retention notches.



BUILDUP RESISTANT ACETAL SPROCKET

UNIVERSAL SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
2	51	Blue polypropylene
3	76	Blue polypropylene
4	102	Blue polypropylene
6	152	Blue polypropylene

• Part of the Intralox EZ Clean product line.
• Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.
• Minimum indent at edges: 2.0 in (51 mm).
• Minimum back bend radius: 4.5 in (115 mm).



INTRALOX · STRAIGHT-RUNNING

SERIES 888

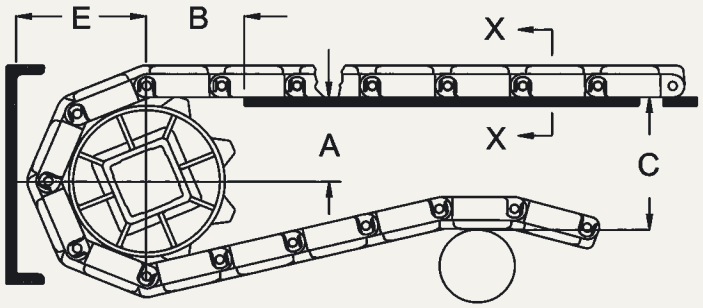
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X. A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S888 MEDIUM SLOT, MEDIUM SLOT SSL, LARGE SLOT SSL, ROUND HOLE ENHANCED										
6.5	165	10	2.77-2.925	70-74	3.00	76	6.5	165	3.61	92
7.7	196	12	3.42-3.55	87-90	3.00	76	7.9	201	4.24	108

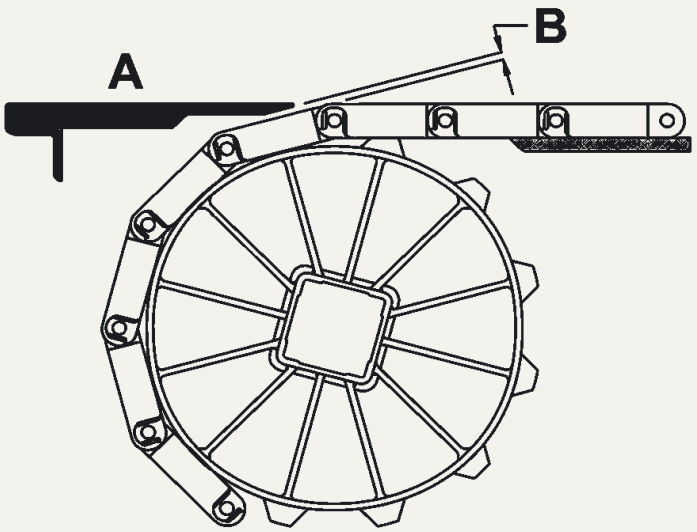
A ± 0.031 in (1 mm); B ± 0.125 in (3 mm); C ± (max.); E ± (min.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
6.5	165	10	0.158	4.0
7.7	196	12	0.132	3.4

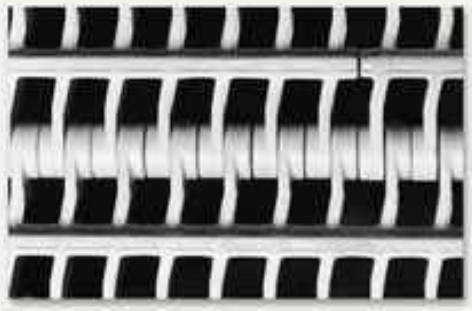
INTRALOX · STRAIGHT-RUNNING

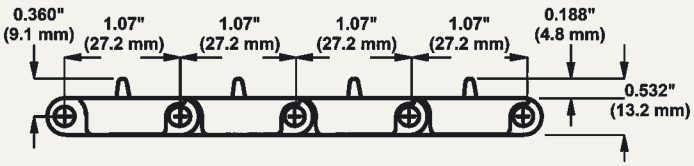
SERIES 900 - OPEN GRID

OPEN GRID

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Large, open area provides excellent drainage.
- Low-profile transverse ridges help move product up inclines and down declines.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for more information.
- Transverse ridge height: 0.188 in (4.8 mm).
- Normal ridge indent: 0.25 in (6.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.81	3.95
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.84	4.09
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.26	6.14
Acetal[1]	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.26	6.14

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

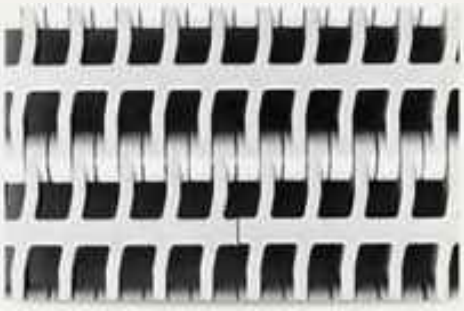
INTRALOX · STRAIGHT-RUNNING

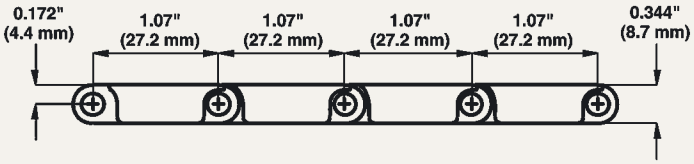
SERIES 900 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Open pattern with smooth upper surface and fully flush edges.
- HR nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Provides excellent lateral movement of containers.
- Flights and sideguards are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.76	3.70
Enduralox polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.76	3.70
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.81	3.96
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.15	5.62
HSEC acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.15	5.62
Hi-Temp	Hi-Temp	1200	1786	70 to 400	21 to 204	1.08	5.27
FR TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.19	5.81
HR nylon	HR nylon	1200	1790	-50 to 240	-46 to 116	1.10	5.40
HHR nylon	HHR nylon	1200	1790	-50 to 310	-46 to 154	1.10	5.40
Acetal[1]	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.15	5.62
Detectable polypropylene A22	Polypropylene	350	521	34 to 150	1 to 66	0.89	4.35

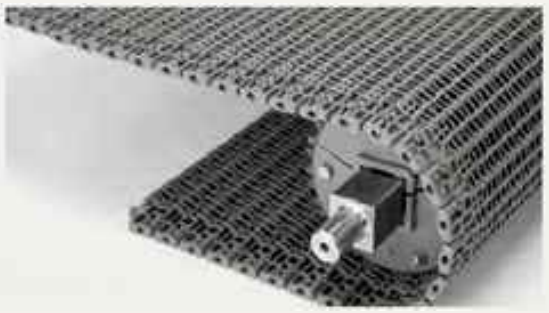
[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

INTRALOX · STRAIGHT-RUNNING

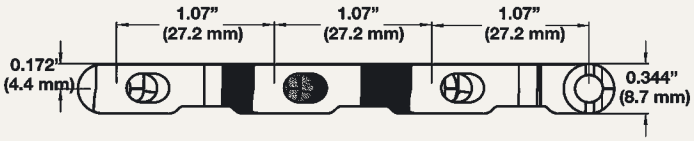
SERIES 900 - OPEN FLUSH GRID

OPEN FLUSH GRID

	IN	MM
Pitch	1.07	27.2
Minimum Width	10	254
Width Increments[1]	1.0	25.4
Minimum Opening Size (approximate)	0.17 × 0.29	4.3 × 7.4
Maximum Opening Size (approximate)	0.28 × 0.29	7.1 × 7.4
Open Area	43%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Open pattern with a smooth upper surface and fully flush edges.
- Flush edge accommodates special abrasion resistant nylon rod growth for belt widths that are 42 in (1066 mm) or narrower.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- To accommodate the rod retention design, ensure that outer sprockets are indented 2.5 in (63.5 mm) from the edge of the belt to the centerline of the sprocket.
- Flights are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.76	3.71
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.10	5.37
HR nylon	HR nylon	1200	1786	-50 to 240	-46 to 116	1.02	4.98
HHR nylon	HHR nylon	1200	1786	-50 to 310	-46 to 154	1.04	5.08

[1] *Other increments may be available.*

INTRALOX · STRAIGHT-RUNNING

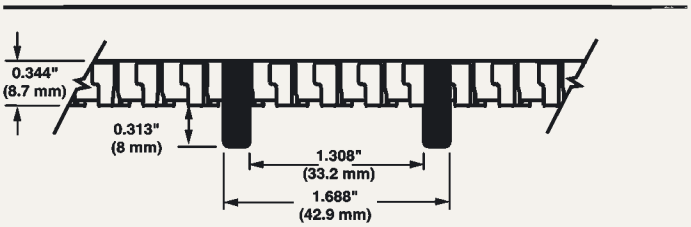
SERIES 900 - MOLD TO WIDTH FLUSH GRID

MOLD TO WIDTH FLUSH GRID

	IN	MM
Pitch	1.07	27.2
Molded Widths	3.25	83
	4.5	114
	7.5	191
	-	85
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Tracking tabs provide lateral tracking.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not compatible with sprockets that have a pitch diameter smaller than the 3.5 in (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in (89 mm) pitch diameter is required, do not use a split sprocket.
- Sprockets required: 85 mm belt: one sprocket; 4.5 in (114 mm) belt: up to three sprockets; 7.5 in (191 mm) belt: up to five sprockets
- Width tolerances: +0.000/-0.020 in (+0.000/-0.500 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	130	59	34 to 220	1 to 104	0.31	0.46 · 3.25 in (83 mm)
Acetal	Nylon	250	113	-50 to 200	-46 to 93	0.42	0.62 · 3.25 in (83 mm)
Polypropylene	Nylon	263	120	34 to 220	1 to 104	0.39	0.58 · 4.5 in (114 mm)
Acetal	Nylon	555	252	-50 to 200	-46 to 93	0.54	0.80 · 4.5 in (114 mm)
Polypropylene	Nylon	438	199	34 to 220	1 to 104	0.59	0.88 · 7.5 in (191 mm)
Acetal	Nylon	800	363	-50 to 200	-46 to 93	0.85	1.26 · 7.5 in (191 mm)
Acetal	Nylon	275	125	-50 to 200	-46 to 93	0.38	0.57 · 85 mm

Belt width (inch / mm) is listed after belt weight. Belt strength is given in lb / kg per belt; belt weight in lb/ft / kg/m.

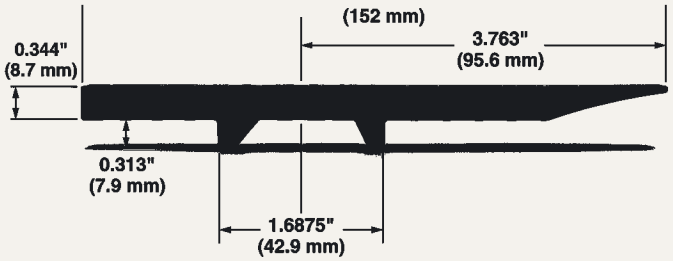
INTRALOX · STRAIGHT-RUNNING

SERIES 900 - ONEPIECE™ LIVE TRANSFER FLUSH GRID

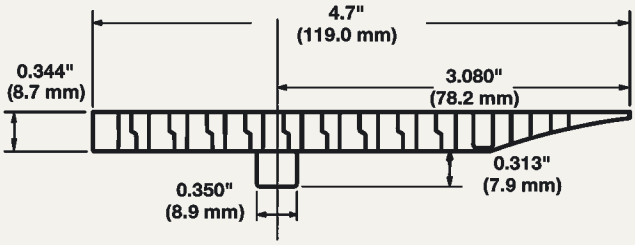
ONEPIECE™ LIVE TRANSFER FLUSH GRID

	IN	MM
Pitch	1.07	27.2
Minimum Width	4.7	119
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	





1/2" (12.7 mm) Double Tracking Notch



4.7 in (119 mm) Single tracking tab belt

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Transfer edge is an integral part of this belt.
- Nylon rods provide superior wear resistance.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts for more information.
- When moving products from transfer belt to takeaway belt, ensure the transfer belt surface is no more than 0.06 in (1.5 mm) above the takeaway belt surface. When product is moving from the infeed belt onto the transfer belt, ensure the belts surfaces are level.
- For custom belt widths, contact Uniking Customer Service.
- Do not use with sprockets smaller than a 3.5 in (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in (89 mm) pitch diameter is required, do not use a split sprocket.
- For belt-strength calculations, subtract 1.5 in (38 mm) from the actual belt width.
- Also available in a 4.7 in (119 mm) wide single-tracking tab belt and 6 in (152 mm) wide double-tracking tab belt.
- Molded tracking tabs fit into standard 1.75 in (44.5 mm) wearstrip tracks, ensuring proper belt alignment.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	700	1040	34 to 220	1 to 104	0.93	4.54
Acetal	Nylon	1480	2200	-50 to 200	-46 to 93	1.15	5.62
FR TPES	Nylon	1000	1490	40 to 150	4 to 66	1.63	7.95

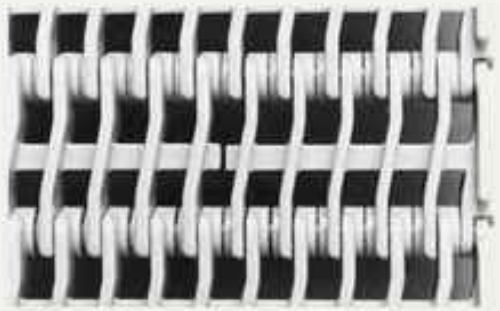
INTRALOX · STRAIGHT-RUNNING

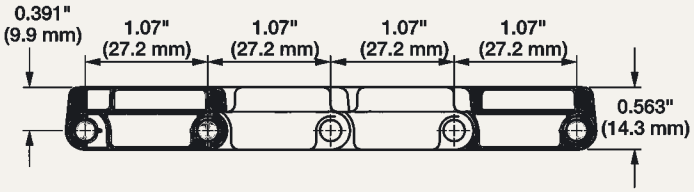
SERIES 900 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Product Contact Area	35%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- HR nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.
- Use HR nylon in dry, elevated-temperature applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Can be used with finger transfer plates to eliminate product tipping and hang-ups.
- Raised ribs extend 3/16 in (4.7 mm) above basic module, with fully flush edges.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.07	5.21
Enduralox polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.07	5.21
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.14	5.57
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.68	8.19
HSEC acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.68	8.19
HR nylon	Nylon	1200	1790	-50 to 240	-46 to 116	1.60	7.80
HHR nylon	Nylon	1200	1790	-50 to 310	-46 to 154	1.60	7.80
Acetal[1]	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.68	8.19

[1] Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

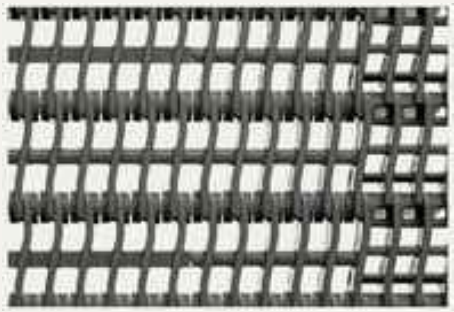
INTRALOX · STRAIGHT-RUNNING

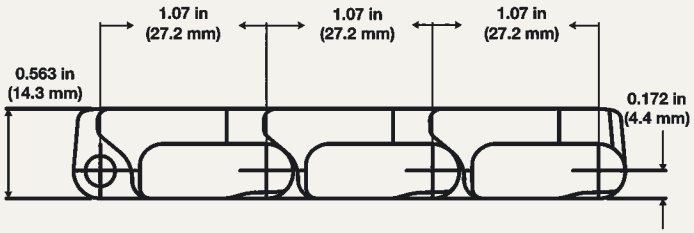
SERIES 900 - RAISED RIB WITH HEAVY-DUTY EDGE

RAISED RIB WITH HEAVY-DUTY EDGE

	IN	MM
Pitch	1.07	27.2
Minimum Width	4.7	118.4
Width Increments	0.33	8.4
Opening Size (approx.)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge, unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- The combination of a heavy-duty edge and unheaded rods inhibits rod migration caused by thermal expansion in microwave applications.
- Compatible with Intralox Rod Remover.
- Can be used with finger transfer plates to eliminate product tipping and hang-ups.
- Raised ribs extend 3/16 in (4.7 mm) above basic module, with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.07	5.22
Enduralox™ polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.07	5.22

INTRALOX · STRAIGHT-RUNNING

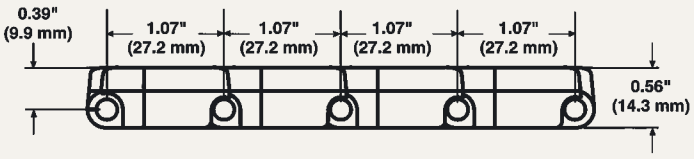
SERIES 900 - MOLD TO WIDTH RAISED RIB

MOLD TO WIDTH RAISED RIB

	IN	MM
Pitch	1.07	27.2
Molded Widths (Blue acetal)	1.1	29
	1.5	37
	1.8	46
	2.2	55
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38% - 40%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Raised ribs span the entire belt width, increasing container stability.
- Nylon rodlets provide longer service life.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Supports both small and larger products, allowing easy product changes.
- The 1.8 in (46 mm) belt is also available in grey polypropylene for applications where higher friction is needed.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	140	64	-50 to 200	-46 to 93	0.19	0.29 · Belt width 1.1 in (29 mm)
Acetal	Nylon	200	91	-50 to 200	-46 to 93	0.23	0.35 · Belt width 1.5 in (37 mm)
Acetal	Nylon	230	104	-50 to 200	-46 to 93	0.29	0.43 · Belt width 1.8 in (46 mm)
Polypropylene	Nylon	90	41	34 to 220	1 to 104	0.19	0.28 · Belt width 1.8 in (46 mm)
Acetal	Nylon	200[1]	91[1]	-50 to 200	-46 to 93	0.34	0.50 · Belt width 2.2 in (56 mm)

[1] *270 lb (122 kg) for 2.2 in (55 mm) with two (2) sprockets.*

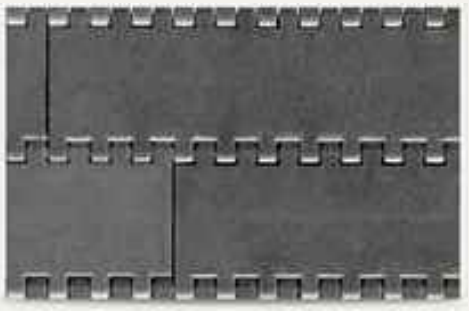
INTRALOX · STRAIGHT-RUNNING

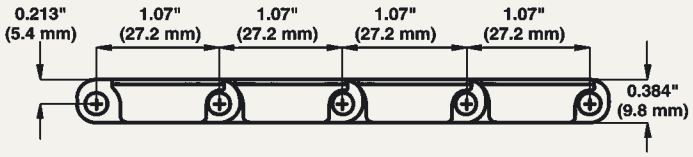
SERIES 900 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- HR nylon belts use short rodlets to hold the main hinge rod in place. The rodlets are made from the same material as the main rod.
- Use HR nylon in dry, elevated-temperature applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ideal for handling glass and other containers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.96	4.69
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.01	4.95
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.50	7.30
HSEC acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.50	7.30
HR nylon	Nylon	1200	1790	-50 to 240	-46 to 116	1.40	6.80
HHR nylon	Nylon	1200	1790	-50 to 310	-46 to 154	1.40	6.80
Acetal[1]	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.50	7.30
Detectable polypropylene A22	Polyethylene	650	967	34 to 150	1 to 66	2.21	10.79

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

INTRALOX · STRAIGHT-RUNNING

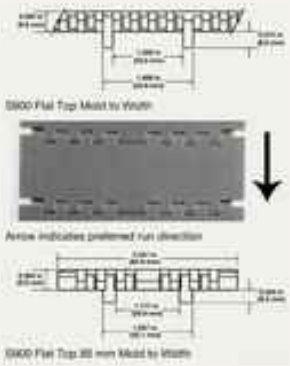
SERIES 900 - MOLD TO WIDTH FLAT TOP

MOLD TO WIDTH FLAT TOP

	IN	MM
Pitch	1.07	27.2
Molded Widths	3.25	83
	4.5	114
	7.5	191
	-	85
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Tracking tabs provide lateral tracking.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Do not use with sprockets smaller than a 3.5 in (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in (89 mm) pitch diameter is required, do not use a split sprocket.
- One sprocket can be placed on the 3.25 in (83 mm) and 85-mm belt. Up to three sprockets can be placed on the 4.5 in (114 mm) belt. Up to five sprockets can be placed on the 7.5 in (191 mm) belt.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	130	59	34 to 220	1 to 104	0.37	0.55 · Belt width 3.25 in (83 mm)
Acetal	Nylon	250	113	-50 to 200	-46 to 93	0.52	0.77 · Belt width 3.25 in (83 mm)
Polypropylene	Nylon	263	120	34 to 220	1 to 104	0.52	0.77 · Belt width 4.5 in (114 mm)
Acetal	Nylon	555	252	-50 to 200	-46 to 93	0.74	1.10 · Belt width 4.5 in (114 mm)
Polypropylene	Nylon	438	199	34 to 220	1 to 104	0.83	1.24 · Belt width 7.5 in (191 mm)
Acetal	Nylon	800	363	-50 to 200	-46 to 93	1.18	1.76 · Belt width 7.5 in (191 mm)
Acetal	Nylon	500	227	-50 to 200	-46 to 93	0.50	0.74 · Belt width 85 mm

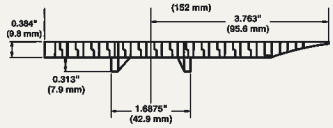
INTRALOX · STRAIGHT-RUNNING

SERIES 900 - ONEPIECE™ LIVE TRANSFER FLAT TOP

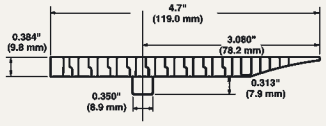
ONEPIECE™ LIVE TRANSFER FLAT TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	4.7	119
Width Increments	0.33	8.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	

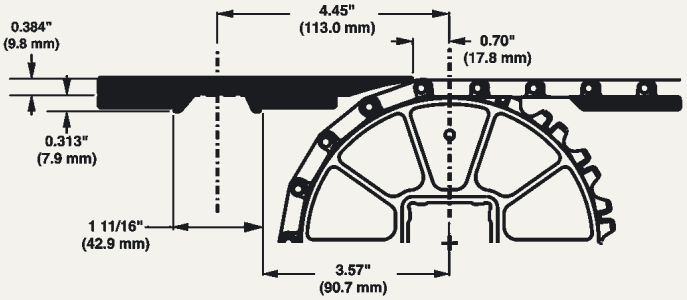




6 in (152 mm) Double tracking tab belt



7.146 (181.5 mm) Single tracking tab belt



PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Transfer edge is an integral part of the belt.
- Nylon rods provide superior wear resistance.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts for more information.
- When moving products from transfer belt to takeaway belt, ensure the transfer belt surface is no more than 0.06 in (1.5 mm) above the takeaway belt surface. When product is moving from the infeed belt onto the transfer belt, ensure the belts surfaces are level.
- For custom belt widths, contact Uniking Customer Service.
- Available in 10 ft (3 m) increments.
- Also available in a 4.7 in (119 mm) wide single tracking tab belt and 6 in (152 mm) wide double tracking tab belt.
- Molded tracking tabs fit into standard 1.75 in (44.5 mm) wearstrip tracks ensuring proper belt alignment.
- Do not use with sprockets smaller than a 3.5 in (89 mm) pitch diameter (10 tooth) sprocket. If a 3.5 in (89 mm) pitch diameter is required, do not use a split sprocket.

BELT DATA

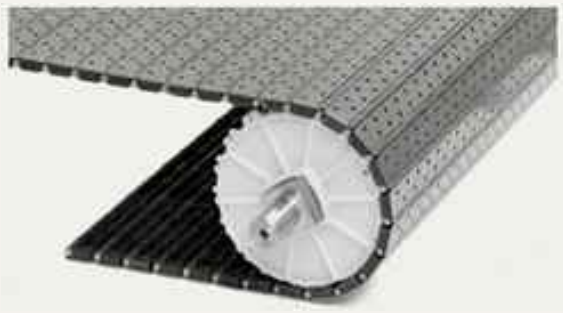
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	700	1040	34 to 220	1 to 104	0.93	4.54
Acetal	Nylon	1480	2200	-50 to 200	-46 to 93	1.50	7.30

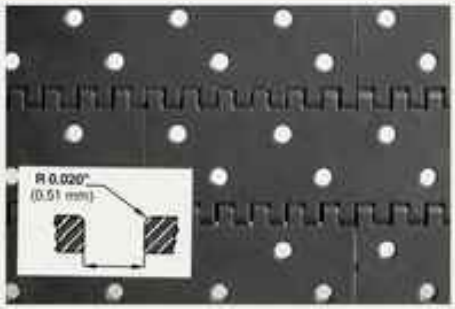
INTRALOX · STRAIGHT-RUNNING

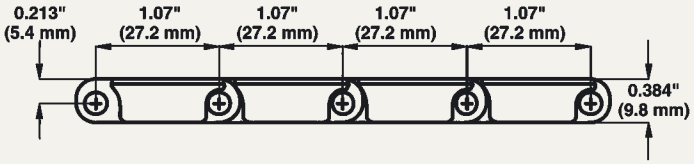
SERIES 900 - PERFORATED FLAT TOP

PERFORATED FLAT TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size	See Product Notes	
Open Area	See Product Notes	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Hole sizes include 3% open area at the hinge.
- Holes have a radiused top edge, allowing quiet operation and good vacuum performance.
- Other hole dimensions and patterns can be created by drilling S900 Flat Top.
- HR nylon belts use short rodlets to hold the main hinge rod in place and are made from the same material as the main rod.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use stainless steel split sprockets in elevated-temperatures.
- Designed for vacuum transfer applications, with a scalloped underside to reduce carryway blockage.
- Available hole sizes: Ø 0.125 in (3.2 mm) - 5% open area; Ø 0.15625 in (4.0 mm) - 6% open area; Ø 0.1875 in (4.8 mm) - 8% open area

BELT DATA

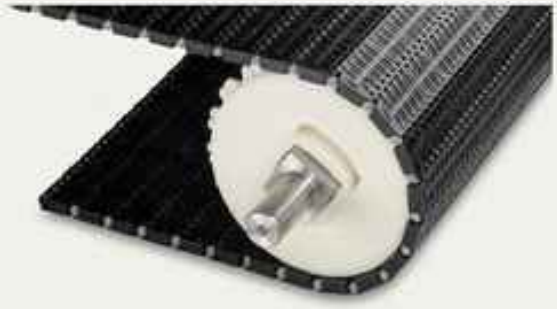
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.93	4.54 · 1/8 in: – / – · 3/16 in: – / –
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.98	4.79 · 1/8 in: – / – · 3/16 in: – / –
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.46	7.11 · 1/8 in: 1.48 / 7.23 · 3/16 in: 1.43 / 6.98
HSEC acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.46	7.11 · 1/8 in: – / – · 3/16 in: – / –
FR TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.59	7.76 · 1/8 in: – / – · 3/16 in: – / –
HR nylon	Nylon	1200	1790	-50 to 240	-46 to 116	1.40	6.80 · 1/8 in: – / – · 3/16 in: – / –
Acetal[1]	Polyethylene	1000	1490	-50 to 70	-46 to 21	1.46	7.11 · 1/8 in: 1.48 / 7.23 · 3/16 in: 1.43 / 6.98
UVFR	UVFR	700	1042	-34 to 200	1 to 93	2.04	9.96 · 1/8 in: 2.04 / 9.96 · 3/16 in: 2.04 / 9.96

INTRALOX · STRAIGHT-RUNNING

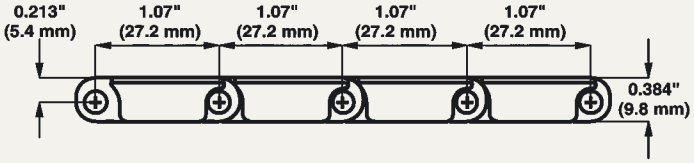
SERIES 900 - MESH TOP

MESH TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	2	51
Width Increments	0.33	8.4
Opening Size (approximate)	0.05 × 0.31	1.3 × 7.9
Open Area	24%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ideal for fruit and vegetable processing, especially for stemmed products and dewatering applications.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1480	2200	34 to 200	1 to 93	1.39	6.79
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.93	4.55
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	0.99	4.84

INTRALOX · STRAIGHT-RUNNING

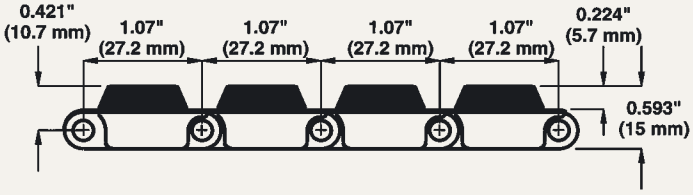
SERIES 900 - DIAMOND FRICTION TOP

DIAMOND FRICTION TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	2.0	50.8
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two-material rubber modules provide a high friction surface without interfering with carryways and sprockets.
- Available in grey PP with black rubber, white PP with white rubber, and natural PE with white rubber.
- Abrasion resistant rods are recommended.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyors to use these belts.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for information about friction values between product and belt.
- When using this belt on a center-drive conveyor, it can be necessary to retain the belt laterally, by placing collars at the backbend roller before the drive.
- Minimum nominal alternating edge indents: 1 in (25 mm) and 1.7 in (43 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.83 · Base/friction Color: Grey/Black · Friction Top Hardness: 45 Shore A · FDA (USA): a · EU MC:
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.83 · Base/friction Color: White/White · Friction Top Hardness: 56 Shore A · FDA (USA): a · EU MC: c
Polyethylene	Polyethylene	350	520	-50 to 120	-46 to 49	1.50	7.32 · Base/friction Color: Natural/White · Friction Top Hardness: 56 Shore A · FDA (USA): a · EU MC: c

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

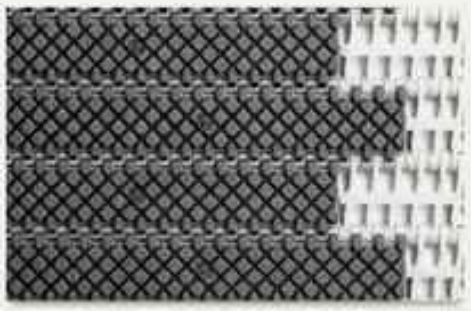
INTRALOX · STRAIGHT-RUNNING

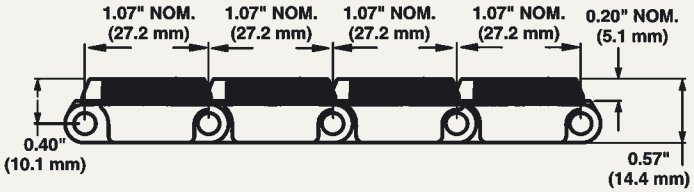
SERIES 900 - SQUARE FRICTION TOP

SQUARE FRICTION TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	3.0	76
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two-material rubber modules provide a high-friction surface without interfering with carryways and sprockets.
- Available in grey PP with black rubber and white PP with white rubber.
- Abrasion resistant rods are recommended.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for information about friction values between product and belt.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Consider these factors when designing conveyor systems to use these belts.
- When using this belt on a center-drive conveyor, it can be necessary to retain the belt laterally, by placing collars at the backbend roller before the drive.
- Minimum nominal alternating edge indents: 1 in (25 mm) and 1.7 in and (43 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.50	7.32 · Base/Friction Color: Grey/Black · Friction Top Hardness: 45 Shore A · FDA (USA): a · EU MC:
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.50	7.32 · Base/Friction Color: White/White · Friction Top Hardness: 56 Shore A · FDA (USA): a · EU MC: c

• - Fully compliant
a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods.
b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.
c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

INTRALOX · STRAIGHT-RUNNING

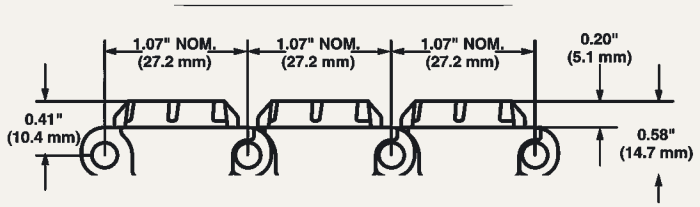
SERIES 900 - MOLD TO WIDTH 29 MM SQUARE FRICTION TOP

MOLD TO WIDTH 29 MM SQUARE FRICTION TOP

	IN	MM
Pitch	1.07	27.2
Molded Width	1.1	29
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two-material rubber modules provide a high-friction surface without interfering with carryways and sprockets.
- Available in grey PP with black rubber, grey acetal with black rubber, and blue acetal with black rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for information about friction values between product and belt.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
Polypropylene	Nylon	65	29	34 to 150	1 to 66	0.17	0.25 · Base/Friction Color: Grey/Black · Friction Top Hardness: 45 Shore A · FDA (USA): a · EU MC:
Acetal	Nylon	140	64	-10 to 130	-23 to 54	0.21	0.31 · Base/Friction Color: Grey/Black · Friction Top Hardness: 54 Shore A · FDA (USA): · EU MC:
Acetal	Nylon	140	64	-10 to 130	-23 to 54	0.21	0.31 · Base/Friction Color: Blue/Black · Friction Top Hardness: 54 Shore A · FDA (USA): · EU MC:

Belt Strength in lb / kg and Belt Weight in lb/ft / kg/m (mold-to-width belt).
• - Fully compliant
a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods.
b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.
c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

INTRALOX · STRAIGHT-RUNNING

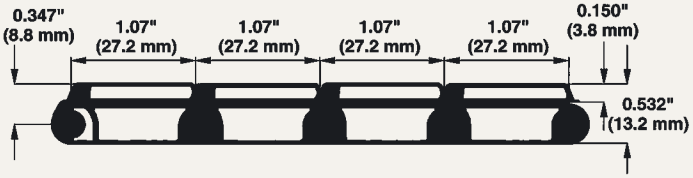
SERIES 900 - FLAT FRICTION TOP

FLAT FRICTION TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	2.0	50.8
Width Increments	0.33	8.4
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two-material rubber modules provide a high-friction surface without interfering with carryways and sprockets.
- Available in grey PP with black rubber and white PP with white rubber.
- Abrasion resistant rods are recommended.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for information about friction values between product and belt.
- When using this belt on a center-drive conveyor, it can be necessary to retain the belt laterally, by placing collars at the backbend roller before the drive.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Consider these factors when designing conveyor systems to use these belts.
- Minimum nominal alternating edge indents: 1 in (25 mm) and 1.7 in (43 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.83 · Base/Friction Color: Grey/Black · Friction Top Hardness: 45 Shore A · FDA (USA): a · EU MC:
Polypropylene	Polypropylene	1000	1490	34 to 150	1 to 66	1.40	6.83 · Base/Friction Color: White/White · Friction Top Hardness: 56 Shore A · FDA (USA): a · EU MC: c
Polypropylene	Polypropylene	1000	1490	34 to 212	1 to 100	1.40	6.83 · Base/Friction Color: High-Performance FT Blue/Blue · Friction Top Hardness: 59 Shore A · FDA (USA): a · EU MC: c

• - Fully compliant
a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods.
b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.
c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

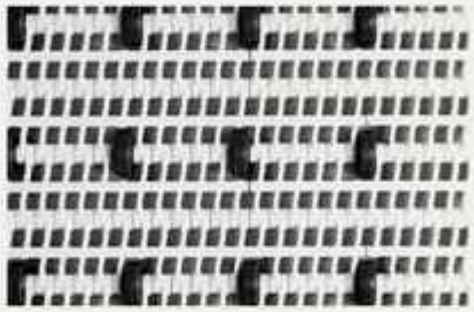
INTRALOX · STRAIGHT-RUNNING

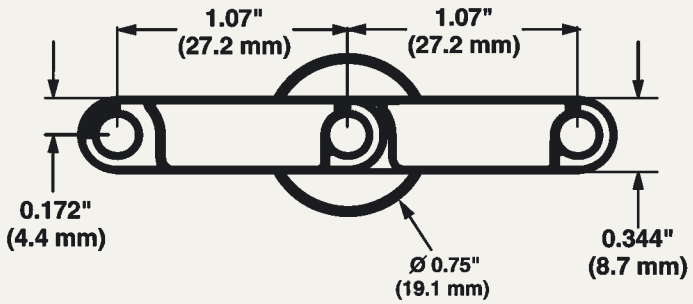
SERIES 900 - FLUSH GRID WITH INSERT ROLLERS

FLUSH GRID WITH INSERT ROLLERS

	IN	MM
Pitch	1.07	27.2
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses acetal rollers.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For applications where low back-pressure accumulation is required.
- Product accumulation load is 5% to 10% of product weight.
- For low back pressure applications, place wearstrips between rollers. For driven applications, place wearstrip directly under rollers.
- Do not place sprockets inline with rollers.
- For custom roller-placement options, contact Uniking Customer Service.
- Standard roller spacings across belt width: 2 in (51 mm), 3 in (76 mm), or 4 in (102 mm) inline or staggered.
- Standard roller spacings along belt length: 1.07 in (27.2 mm), 2.14 in (54.4 mm).
- Minimum roller indent: 1.0 in (25.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	490	730	34 to 220	1 to 104	0.76	3.71 · Belt Strength 3 in / 76 mm roller spacing: 550 lb/ft / 820 kg/m · 4 in / 102 mm: 590 lb/ft / 880 kg/m
Acetal	Polypropylene	1030	1530	34 to 200	1 to 93	1.15	5.61 · Belt Strength 3 in / 76 mm roller spacing: 1170 lb/ft / 1740 kg/m · 4 in / 102 mm: 1240 lb/ft / 1850 kg/m

Belt Strength columns shown are for 2 in (51 mm) roller width spacing; 3 in (76 mm) and 4 in (102 mm) values are appended in the last cell.

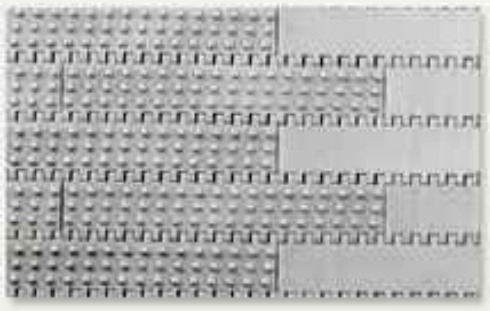
INTRALOX · STRAIGHT-RUNNING

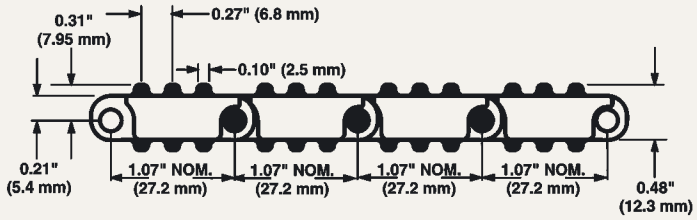
SERIES 900 - NUB TOP

NUB TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	10	254
Width Increments	0.33	8.4
Open Area	0%	
Product Contact Area	7%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ideal for batch-off applications.
- Minimum nominal alternating edge indents: 2 in (51 mm) and 3 in (76 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.98	4.78

When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

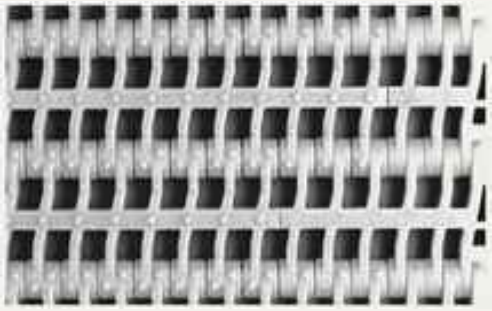
INTRALOX · STRAIGHT-RUNNING

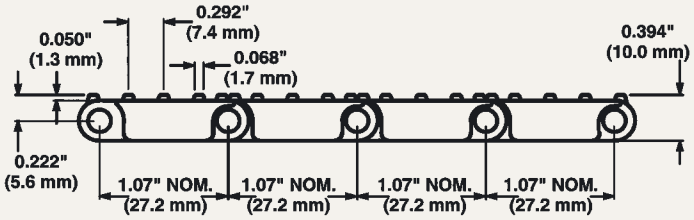
SERIES 900 - FLUSH GRID NUB TOP

FLUSH GRID NUB TOP

	IN	MM
Pitch	1.07	27.2
Minimum Width	6	152
Width Increments	0.33	8.4
Opening Size (approximate)	0.24 × 0.28	6.1 × 7.1
Open Area	38%	
Product Contact Area	3%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Built with Flush Grid edge modules.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. For information about friction values between product and belt, contact Uniking Customer Service.
- Can only be used with S900 Flush Grid base flights.
- Minimum nominal alternating edge indents: 1 in (25 mm) and 2 in (51 mm) pattern.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.80	3.91

When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

INTRALOX · STRAIGHT-RUNNING

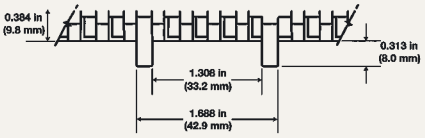
SERIES 900 - S900 MOLD TO WIDTH FLAT TOP WITH HOLES

S900 MOLD TO WIDTH FLAT TOP WITH HOLES

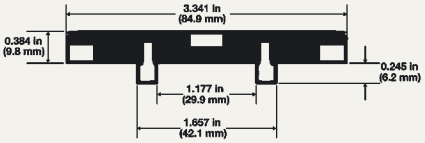
	IN	MM
Pitch	1.07	27.2
Molded Widths	3.35	85
	4.5	114
Open Area	See product notes	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







S900 Flat Top 4.5 in Mold to Width



S900 Flat Top 85 mm Mold to Width

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Has fully flush edges.
- Tracking tabs provide lateral tracking.
- Holes have a chamfered top edge allowing quiet operation and good vacuum performance.
- Rod material is abrasion resistant.
- HHR nylon belt material has a UL94 flammability rating of V2, appropriate for elevated temperature applications, such as pin strippers and light testers.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use a nylon, machined, split sprocket in high-speed vacuum applications.
- Split sprocket is available for easy installation.
- Available in 10 ft (3 m) increments.
- Belt has 3% open area at the hinges and 3% to 4% open area at the holes.
- Hole diameter: 0.217 in (5.51 mm) on the 3.35-in (85-mm) belt; 0.219 in (5.56 mm) on the 4.5-in (114-mm) belt.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
HHR nylon	Nylon	220	100	-50 to 310	-46 to 154	0.41	0.61 · Belt width 3.35 in (85 mm)
HHR nylon	Nylon	450	204	-50 to 310	-46 to 154	0.53	0.79 · Belt width 4.5 in (114 mm)

INTRALOX · STRAIGHT-RUNNING

SERIES 900

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE [1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT [2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY [3]
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	4
42	1067	11	8	5
48	1219	13	9	5
54	1372	15	10	6
60	1524	15	11	6
72	1829	19	13	7
84	2134	21	15	8
96	2438	25	17	9
120	3048	31	21	11
144	3658	37	25	13

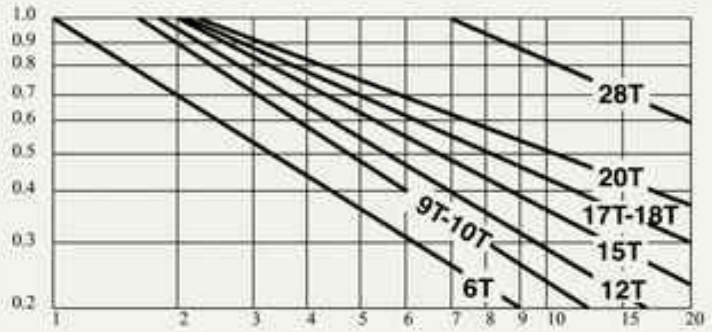
Sprockets: for other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[4] Carryway wearstrips: maximum 6 in (152 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.

[1] If your belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range listed. Belts are available in 0.33 in (8.4 mm) increment beginning with minimum width of 2 in (51 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] For Friction Top applications use caution.

[4] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.

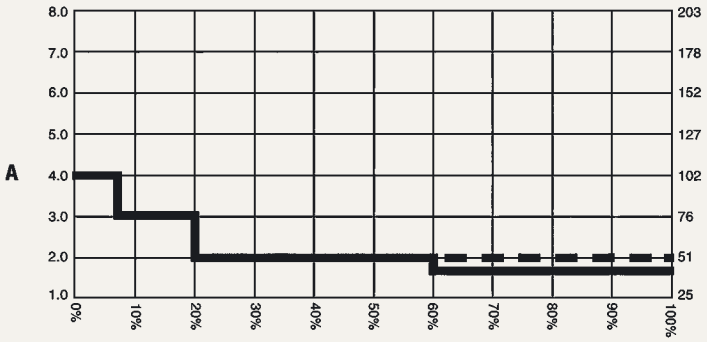


STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L)

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** or contact Uniking for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

INTRALOX · STRAIGHT-RUNNING

SERIES 900

MOLDED SPROCKET1

MOLDED SPROCKET [1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN) [2]	SQUARE (IN)	ROUND (MM) [2]	SQUARE (MM)
6 (13.40%)	2.1 [3]	53 [3]	2.2	56	0.75	19		1.0		25
9 (6.03%)	3.1	79	3.2	81	1.0	25	1	1.0	25	25
								1.5		40
10 (4.89%)	3.5	89	3.6	91	0.75	19		1.0		40
								1.5		
12 (3.41%)	4.1	104	4.3	109	1.5	38	1-1-1/2	1.5	25 to 40	40
							1-15/16 to 2-3/16		50 to 55	
17 (1.70%)	5.8	147	5.9	150	1.5	38	1-3/16 to 1-1/2		30 to 40	
18 (1.52%)	6.1	155	6.3	160	1.5	38	1-1-1/2	1.5	25 to 40	40
							1-15/16	2.5	50 to 55	60
					1.0	25	2-3/16			65
20 (1.23%)	6.8	173	7.0	178	1.5	38	1-1-1/2	1.5	25 to 40	40
							1-15/16 to 2-3/16	2.5	50 to 55	60
										65

[1] When using 1.5 in (40 mm) bore polyurethane sprockets, the belt strength for belts rated over 650 lb/ft (967 kg/m) is de-rated to 650 lb/ft (967 kg/m). When using 2.5 in (60 mm) bore polyurethane sprockets, the belt strength for belts rated over 1100 lb/ft (1637 kg/m) is de-rated to 1100 lb/ft (1637 kg/m). All other belts maintain their published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).

[2] Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

[3] See the Retaining Rings section for more information on retaining the 2.1 in (53 mm) pitch diameter sprocket.



MOLDED SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 900 (CONT.)

EZ CLEAN™ SPROCKET [4]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN) [5]	SQUARE (IN)	ROUND (MM) [5]	SQUARE (MM)
12 (3.41%)	4.1	104	4.3	109	1.5	38		1.5		40
18 (1.52%)	6.1	155	6.3	160	1.5	38		1.5		40

[4] When using 1.5 in (40 mm) bore polyurethane sprockets, the belt strength for belts rated over 650 lb/ft (967 kg/m) is de-rated to 650 lb/ft (967 kg/m). When using 2.5 in (60 mm) bore polyurethane sprockets, the belt strength for belts rated over 1100 lb/ft (1637 kg/m) is de-rated to 1100 lb/ft (1637 kg/m). All other belts maintain their published rating. The temperature range for polyurethane sprockets is 0°F (-18 °C) to 120°F (49°C).

[5] Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



EZ CLEAN™ SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 900

SPLIT METAL SPROCKET

SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
10 (4.89%)	3.5	89	3.6	91	1.5	38		1.5		40
12 (3.41%)	4.1	104	4.3	109	1.5	38		1.5		40
15 (2.19%)	5.1	130	5.3	135	1.5	38	1-3/16, 1-1/4	1.5	30, 40	
17 (1.70%)	5.8	147	6.1	155	1.5	38			40	40
18 (1.52%)	6.1	155	6.3	160	1.5	38	1-1/4, 1-1/2	1.5, 2.5		40, 60
20 (1.23%)	6.8	173	7.0	178	1.5	38	1-1/4	1.5, 2.5		40, 60
28[2] (0.63%)	9.8	249	10.0	254	1.5	38		1.5, 2.5		40, 60

1 Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
2 Do not use 9.8 in (249 mm) pitch diameter 28-tooth split sprockets with any Series 900 style acetal belt. Instead, always use 9.7 in (246 mm) pitch diameter split sprockets.



SPLIT METAL SPROCKET

SPLIT METAL WITH POLYURETHANE (FDA) JOINING PLATES REDUCED CLEARANCE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[3]	SQUARE (IN)	ROUND (MM)[3]	SQUARE (MM)
15 (2.19%)	5.1	130	5.3	135	1.5	38		1.5		40
17 (1.70%)	5.8	147	6.1	155	1.5	38				40
18 (1.52%)	6.1	155	6.3	160	1.5	38		1.5, 2.5		40, 60
20 (1.23%)	6.8	173	7.0	178	1.5	38		1.5, 2.5		40
28[4] (0.63%)	9.8	249	10.0	254	1.5	38		2.5		60

3 Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
4 Do not use 9.8 in (249 mm) pitch diameter 28-tooth split sprockets with any Series 900 style acetal belt. Instead, always use 9.7 in (246 mm) pitch diameter split sprockets



INTRALOX · STRAIGHT-RUNNING

SERIES 900

MOLDED TOOTH PLATE SPLIT GLASS FILLED NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
15 (2.19%)	5.1	130	5.3	135	1.5	38	1, 1-3/16	1.5	30, 40	40
17 (1.70%)	5.8	147	6.1	155	1.5	38			30, 40	40
18 (1.52%)	6.1	155	6.3	160	1.5	38	1-1/4, 1-1/2	1.5, 2.5		40, 60
20 (1.23%)	6.8	173	7.0	178	1.5	38	1-1/4	1.5, 2.5		40, 60

1 Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



MOLDED TOOTH PLATE SPLIT GLASS FILLED NYLON SPROCKETS

NYLON SPLIT SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
18 (1.52%)	6.2	157	6.4	163	1.5	38			30, 40	



NYLON SPLIT SPROCKET

FLAT TOP BASE FLIGHTS (STREAMLINE)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene, polyethylene, acetal
2	51	
3	76	

INTRALOX · STRAIGHT-RUNNING

SERIES 900 (CONT.)

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.7 in (17.8 mm).



FLAT TOP BASE FLIGHTS (STREAMLINE)

FLUSH GRID NUB TOP BASE FLIGHTS (DOUBLE NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, acetal



FLUSH GRID NUB TOP BASE FLIGHTS (DOUBLE NO-CLING)

- No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.7 in (17.8 mm).

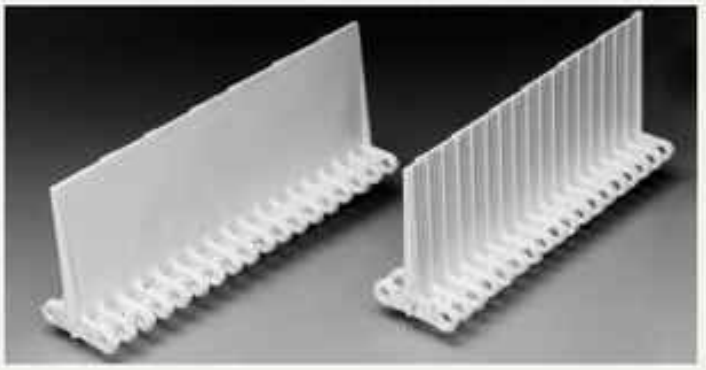
INTRALOX · STRAIGHT-RUNNING

SERIES 900

FLUSH GRID BASE FLIGHTS (STREAMLINE/NO-CLING)

FLUSH GRID BASE FLIGHTS (STREAMLINE/NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene, polyethylene, acetal, HR HHR nylon, HR nylon
2	51	



FLUSH GRID BASE FLIGHTS (STREAMLINE/NO-CLING)

- Flight is ribbed vertically (No-Cling) on both sides.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Flight is molded with a 1 in (25 mm) indent. Can be machined to any indent between 1 in (25 mm) and 3 in (76 mm).

FLAT TOP BASE FLIGHTS (STREAMLINE RUBBER)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Polypropylene
2	51	
3	76	

- Streamline/No-Cling flights are smooth on one side and vertically ribbed on one side.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 0.7 in (17.8 mm).

OPEN FLUSH GRID FLUSH EDGE BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, heat resistant (HR) nylon, high heat resistant (HHR) nylon



OPEN FLUSH GRID FLUSH EDGE BASE FLIGHTS (NO-CLING)

- Contact Uniking Customer Service for more information.

INTRALOX · STRAIGHT-RUNNING

SERIES 900 (CONT.)



FLAT TOP BASE FLIGHTS (STREAMLINE RUBBER)

- Sideguards use a standard overlapping design and are an integral part of the belt, with no fasteners required.
- Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.
- When going around the 6, 9, and 10 tooth sprockets, sideguards fan out, opening a gap at the top of the sideguard that can allow small products to fall out. The sideguards stay completely closed when wrapping around the 12 tooth and larger sprockets.
- Minimum indent: 1 in (25.4 mm).
- Standard gap between the sideguards and the edge of a flight: 0.2 in (5 mm).

SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal, HR nylon, HHR nylon



SIDEGUARD

INTRALOX · STRAIGHT-RUNNING

SERIES 900

FINGER TRANSFER PLATES

FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Acetal
4	102	12	



FINGER TRANSFER PLATES

- Tabs are placed on every other row.
- Carryway wearstrips or rollers that engage the tabs are only required at the transition between horizontal sections and angled sections. Use a carryway radius design at this transition.
- Ensure that adequate lead-in radii and/or angles are used to prevent the possibility of snagging the tab on the frame.
- The 0.16 in (4.1 mm) tab is available in both Flat Top and Flush Grid styles. The 0.35 in (8.9 mm) tab is available with a Flat Top style. The top of this tab sits 0.04 in below the top of Flat Top belts and is level with the top of Flush Grid belts.
- Hold down tabs do not work with 2.1 in (53 mm) and 3.1 in (79 mm) pitch diameter sprockets. 3.5 in (89 mm) pitch diameter sprockets can be used with a 1.5 in (40 mm) square bore.
- A minimum of 2.7 in (69 mm) is required between tabs to accommodate 1 sprocket.
- Tabs width: 1.4 in (36 mm).
- Minimum indent: 0.7 in (17.8 mm).

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.

DIMENSIONAL TOLERANCES

DIM.	TOLERANCE	DIM.	TOLERANCE
A	± 0.031 in (1 mm)	C	± (max.)

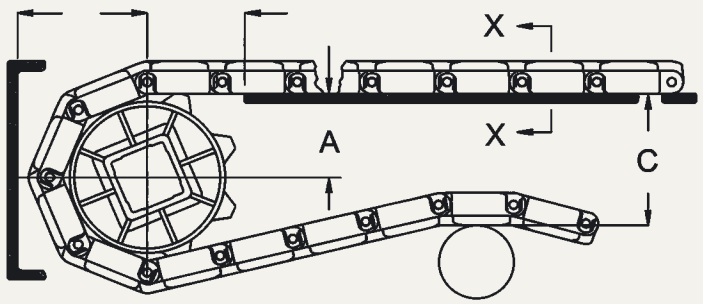
- Eliminates product transfer and tipping problems. The fingers extend between the belt ribs to allow a smooth continuation of the product flow as the belt engages the sprockets.
- Easily installed on the conveyor frame with the supplied shoulder bolts. Caps easily snap into place over the bolts, and keep foreign materials out of the slots.
- When retrofitting from Series 100 Raised Rib to Series 900 Raised Rib, only use the 4 in (102 mm) 12 finger) width.
- Do not mix 4 in (102 mm) and 6 in (152 mm) wide finger plates.

HOLD DOWN TABS

AVAILABLE CLEARANCE		AVAILABLE MATERIALS
IN	MM	
0.16	4.1	Acetal
0.35	8.9	



HOLD DOWN TABS



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

INTRALOX · STRAIGHT-RUNNING

SERIES 900

SPROCKET DIMENSIONS

SPROCKET DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S900 FLAT TOP, FLUSH GRID, MESH TOP, NUB TOP, PERFORATED FLAT TOP[1]										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.51	38
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.75	44
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.01	51
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.51	64
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.77	70
5.8	147	17	2.69-2.74	68-70	2.13	54	5.80	147	3.15	80
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	155	3.30	84
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	3.86	98
9.8	249	28	4.58	116	2.96	75	9.70	246	5.02	128
S900 FLUSH GRID NUB TOP[1]										
2.1	53	6	0.75-0.90	19-23	1.22	31	2.19	56	1.35	34
3.1	79	9	1.30-1.39	33-35	1.52	39	3.17	81	1.85	47
3.5	89	10	1.47-1.56	37-40	1.64	42	3.51	89	2.02	51
4.1	104	12	1.82-1.90	46-48	1.75	44	4.19	106	2.35	60
5.1	130	15	2.34-2.40	59-61	1.95	50	5.19	132	2.86	73
5.8	147	17	2.69-2.74	68-70	2.09	53	5.87	149	3.20	81
6.1	155	18	2.86-2.91	73-74	2.12	54	6.21	158	3.37	86
6.8	173	20	3.21-3.25	82-83	2.25	57	6.89	175	3.70	94
9.8	249	28	4.58	116	2.92	74	9.61	244	5.06	129
S900 RAISED RIB, FLUSH GRID WITH INSERT ROLLERS, OPEN GRID[1]										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.73	44
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.97	50
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.23	57
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.73	69
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.99	76
5.8	147	17	2.69-2.74	68-70	2.13	54	6.00	152	3.40	86
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	157	3.52	89
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	4.08	104
9.8	249	28	4.58	116	2.96	75	9.70	246	5.24	133
S900 OPEN FLUSH GRID[1]										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.51	38
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.75	44
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.01	51
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.51	64
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.77	70
5.8	147	17	2.69-2.74	68-70	2.13	54	5.80	147	3.15	80
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	155	3.30	84
6.8	173	20	3.21-3.25	81-83	2.32	59	6.75	171	3.86	98
9.8	249	28	4.58	116	2.96	75	9.70	246	5.02	128

[1] See Anti-Sag Carryway Wearstrip Configuration for alternate layouts for the "B" dimension.

INTRALOX · STRAIGHT-RUNNING

SERIES 900

SPROCKET DIMENSIONS AND DEAD PLATE GAP

SPROCKET DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S900 DIAMOND FRICTION TOP, FLAT FRICTION TOP, SQUARE FRICTION TOP[1]										
2.1	53	6	0.75-0.90	19-23	1.25	32	2.28	58	1.76	45
3.1	79	9	1.30-1.39	33-35	1.51	38	3.20	81	1.96	50
3.5	89	10	1.47-1.56	37-40	1.70	43	3.60	91	2.22	56
4.1	104	12	1.82-1.90	46-48	1.74	44	4.25	108	2.72	69
5.1	130	15	2.34-2.40	60-61	2.00	51	5.20	132	2.98	76
5.8	147	17	2.69-2.74	68-70	2.13	54	6.00	152	3.40	86
6.1	155	18	2.86-2.91	73-74	2.20	56	6.20	157	3.51	89
6.8	173	20	3.21-3.25	81-82	2.32	59	6.75	171	4.08	104
9.8[2]	249	28	4.58	116	2.96	75	9.70	246	5.23	133
S900 MOLD TO WIDTH 29 MM SQUARE FRICTION TOP[1]										
2.1	53	6	0.75-0.90	19-23	1.27	32	2.38	60	1.54	39
3.1	79	9	1.30-1.39	33-35	1.58	40	3.36	85	2.04	52
3.5	89	10	1.47-1.56	37-40	1.70	43	3.70	94	2.21	56
4.1	104	12	1.82-1.90	46-48	1.88	48	4.38	111	2.54	65
5.1	130	15	2.34-2.40	59-61	2.10	53	5.38	137	3.05	77
5.8	147	17	2.69-2.74	68-70	2.32	59	6.06	154	3.39	86
6.1	155	18	2.83-2.88	72-73	2.31	59	6.34	161	3.52	89
6.8	173	20	3.21-3.25	82-83	2.42	61	7.08	180	3.89	99
9.8	249	28	4.58-4.61	116-117	2.92	74	9.80	249	5.25	133
S900 MOLD TO WIDTH FLAT TOP WITH HOLES										
6.2	157	18	2.86	73	2.20	56	6.20	157	3.36	6.2

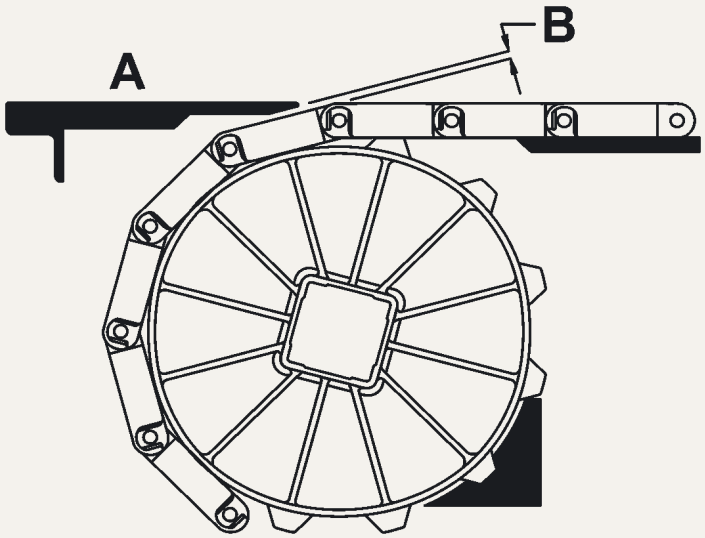
[1] See Anti-Sag Carryway Wearstrip Configuration for alternate layouts for the "B" dimension.
[2] Do not use 9.8 in (249 mm) pitch diameter 28-tooth split sprockets with S900 acetal belts. Always use a 9.7 in (246 mm) pitch diameter split sprocket with S900 acetal belts.

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM

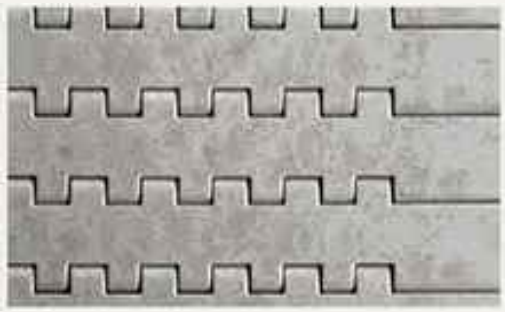
INTRALOX · STRAIGHT-RUNNING

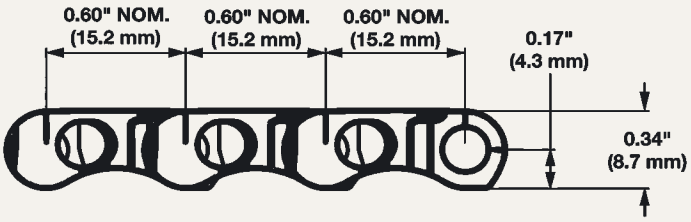
SERIES 1000 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.50	12.7
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Closed edges on one side of the belt.
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Small pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimal back tension required.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.

BELT DATA

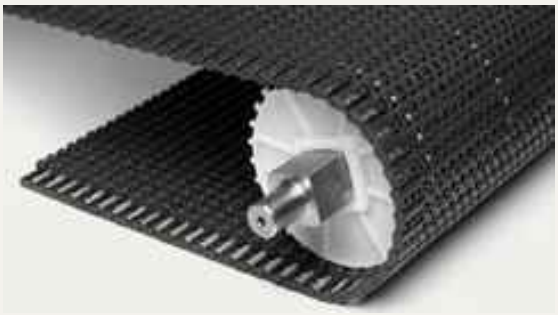
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1500	2232	34 to 200	1 to 93	1.55	7.57
Polypropylene	Polypropylene	1000	1490	34 to 220	1 to 104	1.07	5.22
Polyethylene	Polyethylene	600	893	-50 to 150	-46 to 66	1.11	5.42
HR nylon	Nylon	1000	1490	-50 to 240	-46 to 116	1.31	6.43

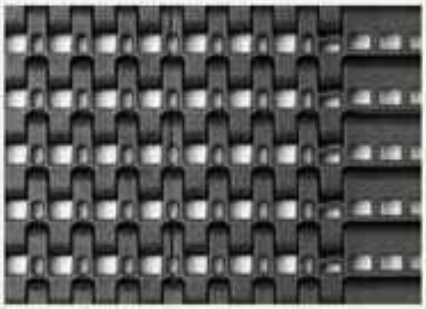
INTRALOX · STRAIGHT-RUNNING

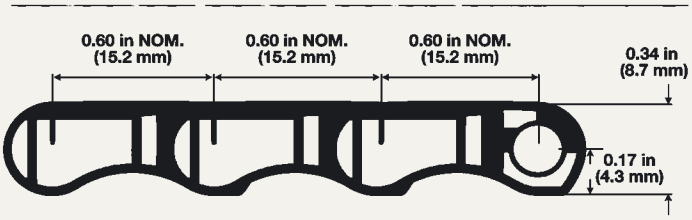
SERIES 1000 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	0.6	15.2
Minimum Width	9.0	228.6
Width Increments	3.0	76.2
Product Contact Area	23%	
Open Area	24%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Small pitch reduces chordal action, reducing the gap at transfer dead plate.
- Flame-retardant thermoplastic polyester (FR TPES) belt material is V-0 rated for firebreak applications. See Flame Retardant Thermoplastic Polyester (FR TPES) for more information.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Minimal back tension required.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.
- Can be used over 0.875 in (22.2 mm) diameter nosebars for tight transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
FR TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.21	5.907

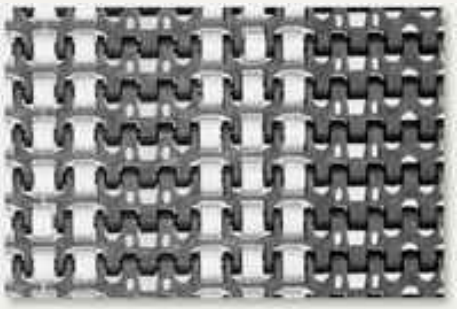
INTRALOX · STRAIGHT-RUNNING

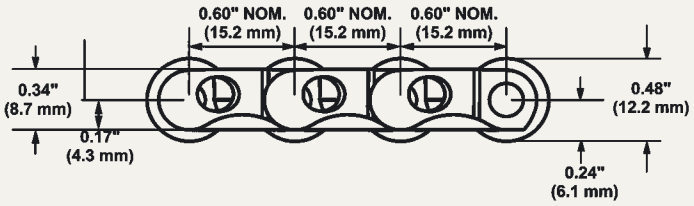
SERIES 1000 - INSERT ROLLER

INSERT ROLLER

	IN	MM
Pitch	0.60	15.2
Minimum Width	6	152
Width Increments	3.00	76
Open Area	12.5%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Has fully flush edges on one side and closed edges on opposite side.
- Rollers protrude above and below the belt surface.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Roller density: 240 rollers/ft² (2580 rollers/m²).
- Minimal back tension required.
- Compatible with 0.75 in (19.1 mm) diameter notched nosebars for tight transfers. Contact Uniking Customer Service for more information.
- Belt can be supported using 1.38 in (35.1 mm) wide or narrower parallel wearstrips.
- For low back-pressure applications, place wearstrip between rollers. For activated roller applications, place wearstrip directly under rollers.
- Belt widths above 6 in (152 mm) are bricklayed.
- 6 in (152 mm) belt is molded to width, with a 0.44 in (11.2 mm) roller indent.
- Yellow acetal rollers are 0.3 in (7.6 mm) wide and 0.48 in (12.1 mm) diameter. Rollers are on the belt rod.
- Rollers are spaced in groups with 1.5 in (38.1 mm) between roller zones.
- Roller indent from edge of belt to edge of roller: 2.25 in (57.2 mm).
- Sprocket locations are indented 1.5 in (38.1 mm) from edge of belt.
- Sprocket locations are 3.0 in (76.2 mm) apart.

BELT DATA

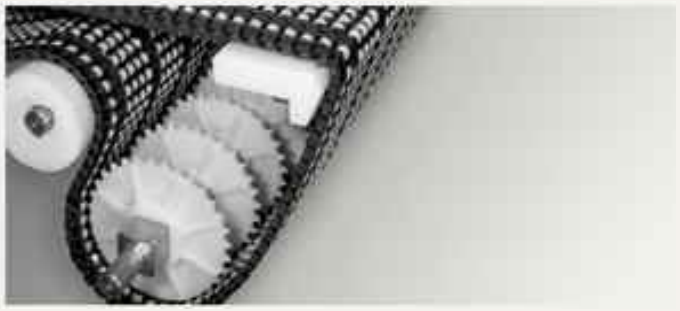
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1000	1490	-50 to 200	-46 to 93	1.7	8.3

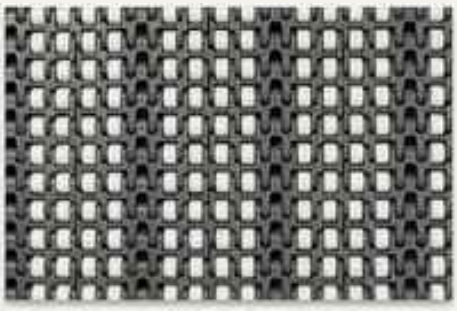
INTRALOX · STRAIGHT-RUNNING

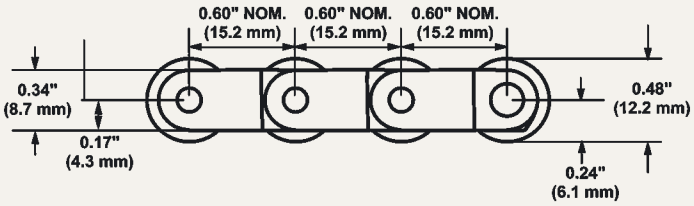
SERIES 1000 - HIGH-DENSITY INSERT ROLLER

HIGH-DENSITY INSERT ROLLER

	IN	MM
Pitch	0.6	15.2
Minimum Width	9	229
Width Increments	3.00	76.2
Open Area	4%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges on one side and closed edges on opposite side.
- Rollers protrude above and below the belt surfaces.
- Uses one unheaded rod across the entire belt width on each belt row.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum back tension required.
- For activated roller applications, place wearstrip directly under rollers.
- For low back-pressure applications, place wearstrip between rollers in parallel. Wearstrip of 0.50 in (13 mm) wide is recommended to allow some manufacturing and installation tolerance in the conveyor, while providing adequate support to the belt. Maximum allowed wearstrip width is 0.75 in (19 mm).
- Compatible with 0.75 in (19.1 mm) diameter nosebars for tight transfers. For high-speed and load applications, a nose-roller is recommended.
- Yellow acetal rollers are 0.30 in (7.6 mm) wide and 0.48 in (12.1 mm) diameter. Rollers are on the belt rod.
- Roller density: 320 rollers/ft² (3440 rollers/m²).
- Roller indent: 0.70 in (17.8 mm) from edge of belt to edge of roller.
- Sprocket indent: 1.5 in (38.1 mm) from edge of belt.
- Sprocket spacing: 3.0 in (76.2 mm) apart.

BELT DATA

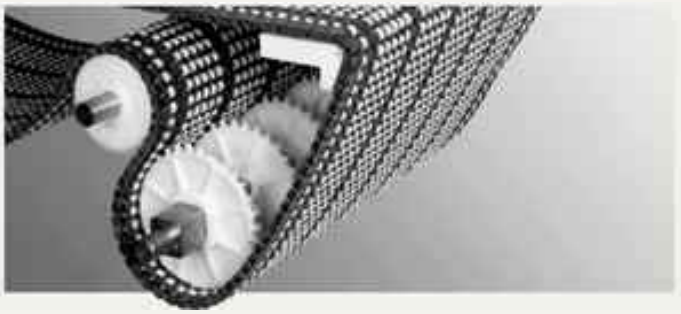
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1000	1490	-50 to 200	-46 to 93	1.87	9.13

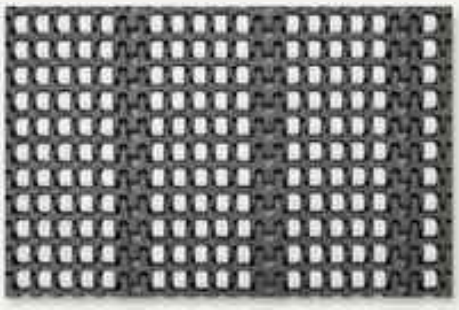
INTRALOX · STRAIGHT-RUNNING

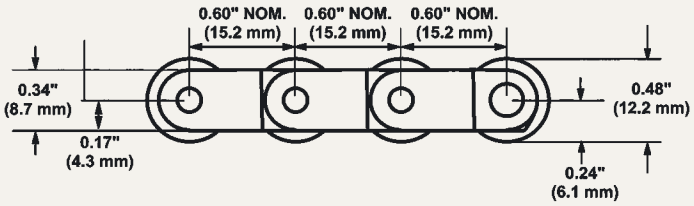
SERIES 1000 - HIGH-DENSITY INSERT ROLLER 85 MM

HIGH-DENSITY INSERT ROLLER 85 MM

	IN	MM
Pitch	0.6	15.2
Minimum Width	10	255
Width Increments	3.35	85
Open Area	3.6%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges on one side and closed edges on opposite side.
- Rollers protrude above and below the belt surfaces.
- Uses one unheaded rod across the entire belt width on each belt row.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum back tension required.
- For activated roller applications, place wearstrip directly under rollers.
- For low back-pressure applications, place wearstrip between rollers in parallel. Use 0.50 in (13 mm) wide wearstrips to allow manufacturing and installation tolerance, while providing adequate belt support. Maximum wearstrip width is 0.75 in (19 mm).
- Compatible with 0.75 in (19.1 mm) diameter nosebars for tight transfers. For high-speed and load applications, a nose-roller is recommended.
- Yellow acetal rollers are 0.30 in (7.6 mm) wide and 0.48 in (12.1 mm) diameter. Rollers are on the belt rod.
- Roller density: 360 rollers/ft² (3875 rollers/m²).
- Roller indent: 0.89 in (22.6 mm) from edge of belt to edge of roller.
- Sprocket indent: 1.67 in (42.5 mm) from edge of belt.
- Sprocket spacing: 3.35 in (85 mm) apart.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1000	1490	-50 to 200	-46 to 93	1.95	9.52

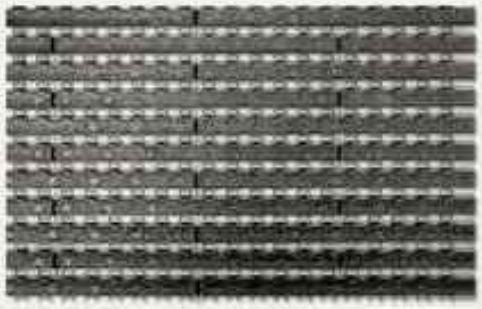
INTRALOX · STRAIGHT-RUNNING

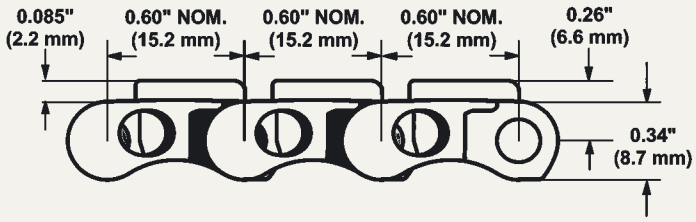
SERIES 1000 - FLAT FRICTION TOP 85 MM

FLAT FRICTION TOP 85 MM

	IN	MM
Pitch	0.60	15.2
Minimum Width	3.35	85.0
Maximum Width	66.9	1700
Width Increments	3.35	85
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Closed edges on one side of the belt.
- Small pitch reduces chordal action, reducing the gap at transfer dead plate.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Minimal back-tension required to maintain sprocket engagement.
- Underside design combined with small pitch allows the belt to run smoothly around a 0.75 in (19 mm) nosebar. Use a dynamic nose-roller for package handling applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1500	2230	-10 to 130	-23 to 54	1.80	8.79 · Grey/Black · 54 Shore A · • · · —

Base/friction color: Grey/Black; Friction Top Hardness: 54 Shore A; Agency Acceptability FDA (USA): • (fully compliant), EU MC: —. • - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - This elastomer is not subject to the testing of this directive.

INTRALOX · STRAIGHT-RUNNING

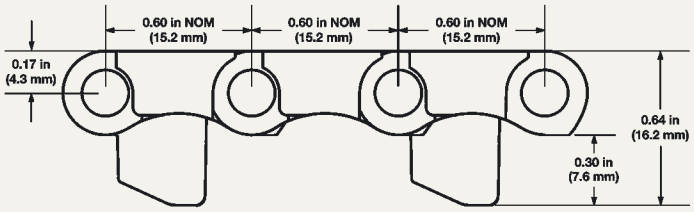
SERIES 1000 - MOLD TO WIDTH FLAT TOP WITH TABS

MOLD TO WIDTH FLAT TOP WITH TABS

	IN	MM
Pitch	0.60	15.2
Molded Widths	3.25	83
	3.35	85
	4.50	114
Opening Size	–	–
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Retention feature; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Tracking tabs provide lateral tracking.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimal back tension required.
- 3.25 in (83 mm) tabbed belts use one sprocket.
- 4.50 in (114 mm) and 3.35 in (85 mm) tabbed belts use up to three sprockets.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.
- Width tolerances: +0.000/-0.020 in (+0.00/-0.50 mm).
- 3.35 in (85 mm) molded tracking tabs fit into standard 1.65625 in (42.1 mm) wearstrip tracks, ensuring proper belt alignment.
- 3.25 in (83 mm) and 4.50 in (114 mm) molded tracking tabs fit into standard 1.75 in (44.5 mm) wearstrip tracks, ensuring proper belt alignment.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
Acetal	Nylon	406	600	-50 to 200	-46 to 93	0.44	0.65 · Belt Width 3.25 in · 83 mm
Acetal	Nylon	419	620	-50 to 200	-46 to 93	0.44	0.65 · Belt Width 3.35 in · 85 mm
Acetal	Nylon	563	840	-50 to 200	-46 to 93	0.60	0.89 · Belt Width 4.50 in · 114 mm

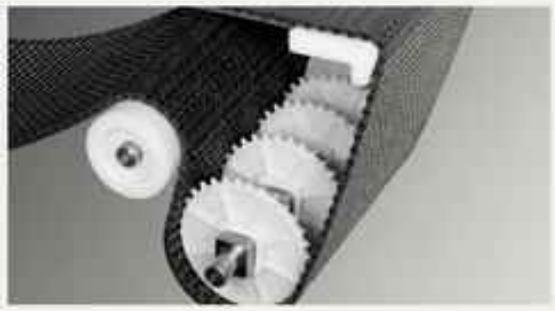
Belt strength is given per belt (lb / kg) and belt weight per length (lb/ft / kg/m) for each molded width.

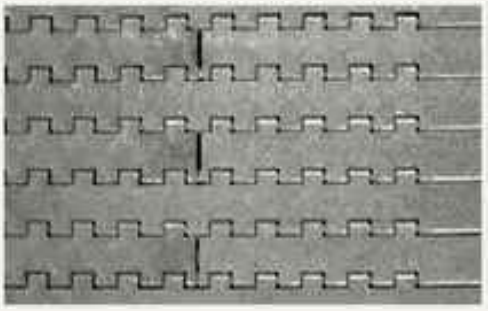
INTRALOX · STRAIGHT-RUNNING

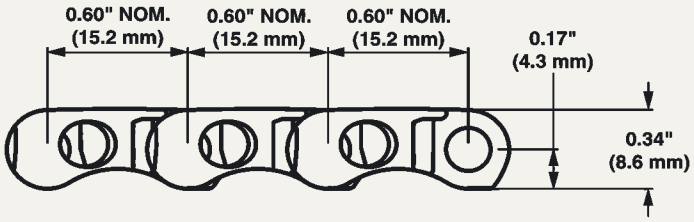
SERIES 1000 - FLAT TOP 85 MM

FLAT TOP 85 MM

	IN	MM
Pitch	0.6	15.2
Minimum Width	10	255
Maximum Width	67	1700
Width Increments	3.35	85
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Closed edges used on one side of the belt.
- Small pitch reduces chordal action, reducing the gap at transfer dead plate.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Underside design, combined with small pitch, allows the belt to run smoothly around a 0.75 in (19 mm) nosebar.
- A dynamic nose-roller is highly recommended for package handling applications.
- Minimal back tension required to maintain sprocket engagement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1500	2230	34 to 200	1 to 93	1.55	7.57

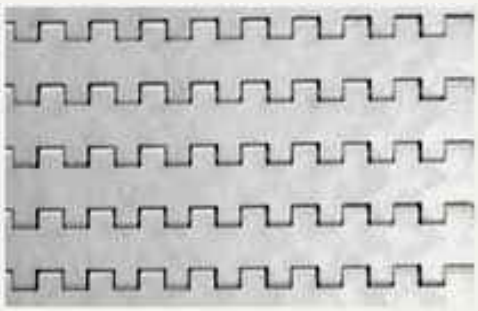
INTRALOX · STRAIGHT-RUNNING

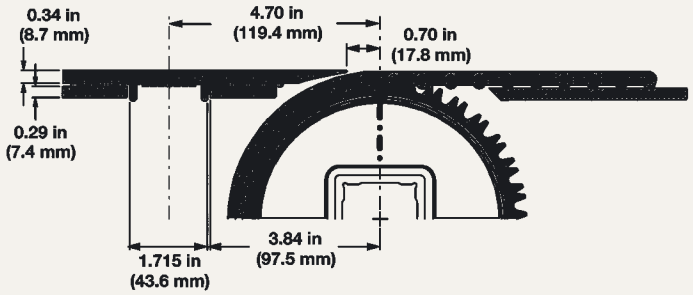
SERIES 1000 - FLAT TOP ONEPIECE™ LIVE TRANSFER 6.3 IN

FLAT TOP ONEPIECE™ LIVE TRANSFER 6.3 IN

	IN	MM
Pitch	.60	15.2
Molded Width	6.3	160
Width Increments	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Transfer edge is an integral part of this belt.
- Designed for smooth, self-clearing, right-angle transfers onto takeaway belts.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses three sprockets.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- For information regarding sprocket placement, see the center sprocket offset table in Retainer Rings and Center Sprocket Offset.
- Minimal back tension required.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts for more information.
- Requires sprockets with a pitch diameter of 1.50 in (38.1 mm) or larger.
- Cannot be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.
- Molded tracking tabs fit into standard 1.75 in (44.5 mm) wearstrip tracks to ensure proper belt alignment.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	500	744	-50 to 200	-46 to 93	0.78	3.81

INTRALOX · STRAIGHT-RUNNING

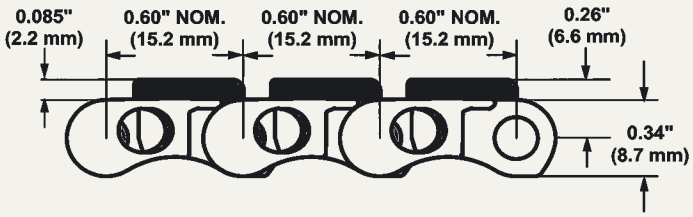
SERIES 1000 - FLAT FRICTION TOP

FLAT FRICTION TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.5	12.7
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available in grey acetal with black rubber.
- Smooth, closed upper surface with fully flush edges.
- Friction Top extends to the edge of the belt (no indent).
- Closed edges on one side of the belt.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Underside design and small pitch combine to allow the belt to run smoothly around nosebars.
- Small pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1500	2232	-10 to 130	-23 to 54	1.80	8.79 · Base/friction color: Grey/black · Friction Top Hardness: 54 Shore A · FDA (USA): • · EU MC: -
Acetal	Nylon	1500	2232	-10 to 130	-23 to 54	1.80	8.79 · Base/friction color: White/white · Friction Top Hardness: 54 Shore A · FDA (USA): • · EU MC: -

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - This elastomer is not subject to the testing of this directive.

INTRALOX · STRAIGHT-RUNNING

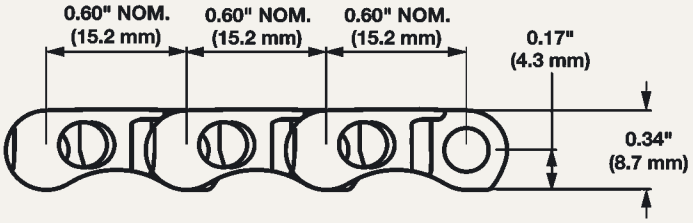
SERIES 1000 - MOLD TO WIDTH FLAT TOP

MOLD TO WIDTH FLAT TOP

	IN	MM
Pitch	0.6	15.2
Molded Widths	1.1 / 1.5 / 1.8 / 2.2	29 / 37 / 46 / 55
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimal back tension required.
- Available in 10 ft (3 m) increments.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.
- 29 mm and 37 mm belts use one sprocket.
- 46 mm and 55 mm belts can use up to two sprockets.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	140	64	-50 to 200	-46 to 93	0.15	0.22 · Belt Width: 1.1 in (29 mm)
Acetal	Nylon	200	91	-50 to 200	-46 to 93	0.19	0.28 · Belt Width: 1.5 in (37 mm)
Acetal	Nylon	230	104	-50 to 200	-46 to 93	0.23	0.35 · Belt Width: 1.8 in (46 mm)
Acetal	Nylon	201[1]	91[1]	-50 to 200	-46 to 93	0.28	0.42 · Belt Width: 2.2 in (55 mm)

Belt Strength is given per belt in lb / kg and Belt Weight in lb/ft / kg/m (mold-to-width belt). [1] 270 lb (122 kg) for 2.2 in (55 mm) with two (2) sprockets

INTRALOX · STRAIGHT-RUNNING

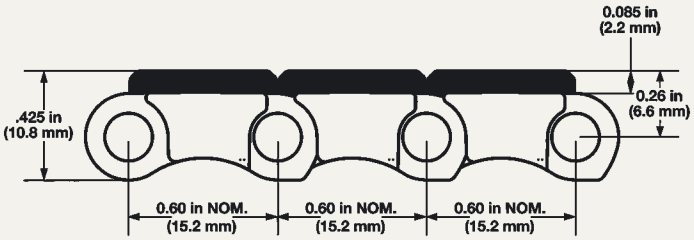
SERIES 1000 - MOLD TO WIDTH FLAT FRICTION TOP

MOLD TO WIDTH FLAT FRICTION TOP

	IN	MM
Pitch	0.60	15.2
Molded Widths	1.1 / 2.2	29 / 55
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Friction top extends to the end of the belt, with no indent.
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Available in grey acetal with black rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Available in 10 ft (3 m) increments.
- Minimal back tension required.
- Can be used over 0.75 in (19.1 mm) diameter nosebars for tight transfers.
- 29-mm belts use one sprocket.
- 55-mm belts can use up to two sprockets.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	140	64	34 to 130	1 to 54	0.17	0.25 · Belt Width: 1.1 in (29.0 mm) · Base/Friction Color: Grey/black · Friction Top Hardness: 54 Shore A · FDA (USA): • · EU MC: -
Acetal	Nylon	200[1]	91[1]	34 to 130	1 to 54	0.34	0.48 · Belt Width: 2.2 in (55.0 mm) · Base/Friction Color: Grey/black · Friction Top Hardness: 54 Shore A · FDA (USA): • · EU MC: -

Belt Strength is given per belt in lb / kg and Belt Weight in lb/ft / kg/m (mold-to-width belt). Agency Acceptibility: 1=White, 2=Blue, 3=Natural, 4=Grey. • - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - This elastomer is not subject to the testing of this directive. [1] 270 lb (122 kg) for 2.2 in (55 mm) with two (2) sprockets

INTRALOX · STRAIGHT-RUNNING

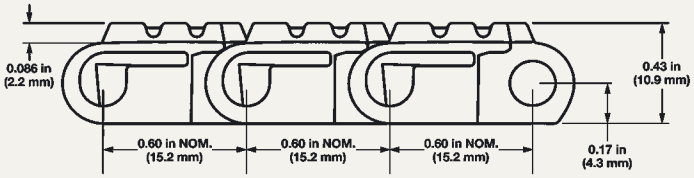
SERIES 1000 - NON SKID RAISED RIB

NON SKID RAISED RIB

	IN	MM
Pitch	0.60	15.2
Minimum Width	3.0	76.0
Width Increments	0.5	12.7
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two edge options available: no indent and 21 mm indent.
- Non Skid Raised Rib surface increases traction.
- Closed edges on one side of the belt.
- Small pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimal back tension required.
- Lug tooth sprockets improve sprocket engagement and simplify installation.
- Low profile conveyor reduces the installation costs associated with digging pits.
- Finger transfer plates ensure safe transfers, eliminating the need for safety stops and reducing downtime.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2000	2976	-50 to 200	-46 to 93	1.86	9.08
HSEC acetal	Nylon	1800	2679	-50 to 200	-46 to 93	1.88	9.18
FR Anti Static	Nylon	700	1042	-50 to 150	-46 to 66	1.64	8.01

INTRALOX · STRAIGHT-RUNNING

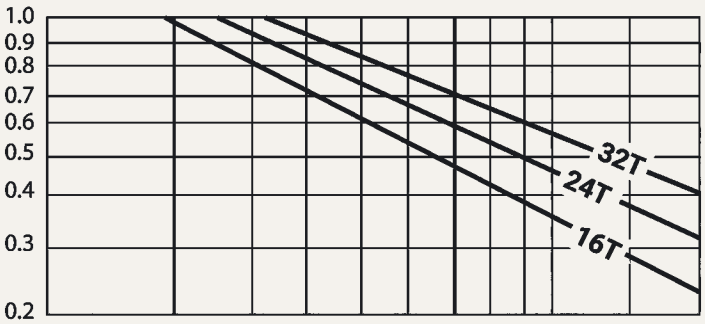
SERIES 1000

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
3	76	2	2	2
4	102	2	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	2	3	2
12	305	3	3	2
14	356	3	4	3
15	381	3	4	3
18	457	3	4	3
24	610	5	5	3
30	762	5	6	4
36	914	7	7	4
42	1067	7	8	5
48	1219	9	9	5
54	1372	9	10	6
60	1524	11	11	6
72	1829	13	13	7
84	2134	15	15	8
96	2438	17	17	9
120	3048	21	21	11
144	3658	25	25	13

For other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing.[3] Carryway wearstrips: maximum 6 in (152 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.
[1] Belts are available in 0.5 in (12.7 mm) increments beginning with 3 in (76 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only.

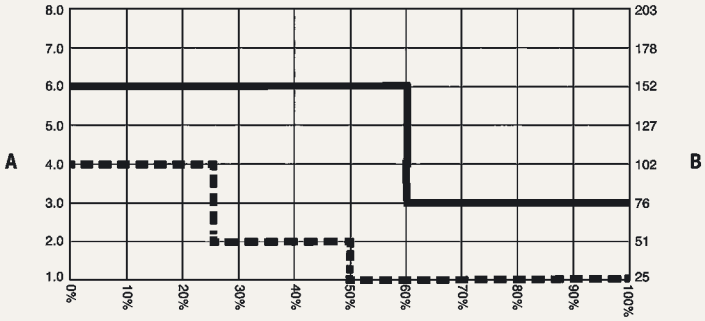


STRENGTH FACTOR — SPEED/LENGTH RATIO (V/L) VS. STRENGTH FACTOR, 16T / 24T / 32T SPROCKETS

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See Belt Selection Instructions or contact Uniking for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A SPROCKET SPACING, IN; B SPROCKET SPACING, MM

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A Sprocket spacing, in

B Sprocket spacing, mm

Dashed line 16T sprocket. **Solid line** all other sprockets.

INTRALOX · STRAIGHT-RUNNING

SERIES 1000

MOLDED SPROCKET

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
	IN	MM	IN	MM	IN	MM	U.S. ROUND (IN)[1]	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
16 (1.92%)	3.1[2]	79[2]	3.2	81	0.5	13		1.5		40
					1.0	25	1.0, 1.25			
24 (0.86%)	4.6	117	4.8	121	1.0	25		1.5, 2.5	30	40, 60
30 (0.54%)	5.8	147	5.9	150	1.0	25	1.0, 1.25, 1-7/16			
32 (0.48%)	6.1	155	6.5	164	1.0	25	1.25	1.5		40

[1] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[2] When using 3.1 in (79 mm) pitch diameter sprockets, the belt strength for belts rated over 1200 lb/ft (1786 kg/m) is de-rated to 1200 lb/ft (1786 kg/m). All other belts maintain the published rating.



MOLDED SPROCKET

ACETAL SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
	IN	MM	IN	MM	IN	MM	U.S. ROUND (IN)[3]	U.S. SQUARE (IN)	METRIC ROUND (MM)[3]	METRIC SQUARE (MM)
24 (0.86%)	4.6	117	4.8	121	1.5	38	1.25			
32 (0.48%)	6.1	155	6.5	164	1.5	38			30, 40	

[3] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



ACETAL SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1000 (CONT.)

HR NYLON SPROCKETS[4]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
	IN	MM	IN	MM	IN	MM	U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	3.1	79	3.2	81	1.0	25	1.9[5]			

[4] Cannot be used with S1000 High Density Insert Rollers.
[5] 0.25 in keyway



HR NYLON SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1000

HR NYLON SPLIT SPROCKETS

HR NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
30 (0.54%)	5.8	147	5.9	150	1.48	38	1-7/16			



HR NYLON SPLIT SPROCKET

GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES[1]			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
24 (0.86%)	4.6	117	4.8	121	1.5	38	1.0, 1.25, 1.5	1.5	30, 40	40
32 (0.48%)	6.1	155	6.5	164	1.5	38	1.0, 1.25, 1-7/16, 1.5	1.5	30, 40	40

1 The 24-tooth, 30-mm round bore sprocket is available with or without keyway. Identify keyway requirements when ordering these sprockets.



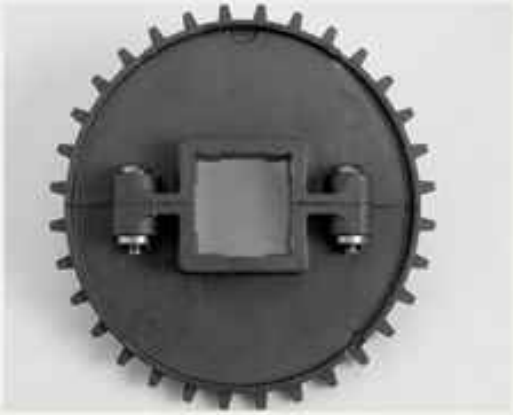
GLASS FILLED NYLON SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1000 (CONT.)

POLYPROPYLENE COMPOSITE SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
24 (0.86%)	4.6	117	4.8	121	1.5	38		1.5		40
32 (0.48%)	6.1	155	6.5	164	1.5	38		1.5		40



POLYPROPYLENE COMPOSITE SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1000

DYNAMIC NOSE-ROLLERS

DYNAMIC NOSE-ROLLERS – STANDARD NOSE-ROLLER WIDTHS

U.S. SIZES (IN)	METRIC SIZES (MM)
4.5	170.0
6.0	255.0
9.0	340.0
12.0	425.0
15.0	
18.0	
24.0	

- U.S. sizes are available in 4.5 in, 6 in, and then in 3 in increments. Metric sizes are available in 85 mm (3.35 in) increments.
- For other belt widths, combine multiple nose-rollers in the available increments. For assistance, contact Uniking Customer Service.
- Made of FDA-approved, blue, oil-filled nylon.
- Roller diameter: 0.75 in (19 mm)



DYNAMIC NOSE-ROLLER BELT



DYNAMIC NOSE-ROLLER ASSEMBLY

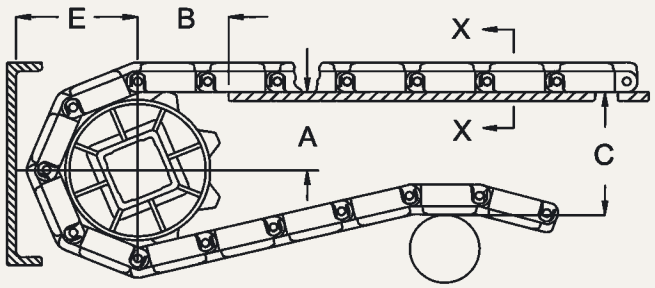
CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.

Tolerances: **A** ± 0.031 in (1 mm); **B** ± 0.125 in (3 mm); **C** ± (max.); **E** ± (min.).



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A — RANGE (BOTTOM TO TOP)		B		C		E	
PITCH DIAMETER (IN)	PITCH DIAMETER (MM)	NO. TEETH	IN	MM	IN	MM	IN	MM	IN	MM
S1000 FLAT TOP, FLAT TOP 85 MM, FLUSH GRID, MOLD TO WIDTH FLAT TOP										
3.1	79	16	1.34-1.37	34-35	1.59	40	3.08	78	1.77	45
4.6	117	24	2.11-2.13	54	1.99	50	4.60	117	2.53	64
6.1	155	32	2.88-2.89	73	2.43	62	6.12	155	3.29	84
S1000 HIGH DENSITY INSERT ROLLER, INSERT ROLLER										
3.1	79	16	1.33	34	1.60	41	3.13	80	1.84	47
4.6	117	24	2.10	53	2.02	51	4.65	118	2.60	66
6.1	155	32	2.87	73	2.46	62	6.18	157	3.36	85
S1000 FLAT FRICTION TOP, FLAT FRICTION TOP 85 MM										
3.1	79	16	1.35	34	1.59	40	3.17	81	1.86	47
4.6	117	24	2.12	54	2.01	51	4.70	119	2.62	67
6.1	155	32	2.88	73	2.44	62	6.22	158	3.39	86

A ± 0.031 in (1 mm) B ± 0.125 in (3 mm) C ± (max.) E ± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 1000

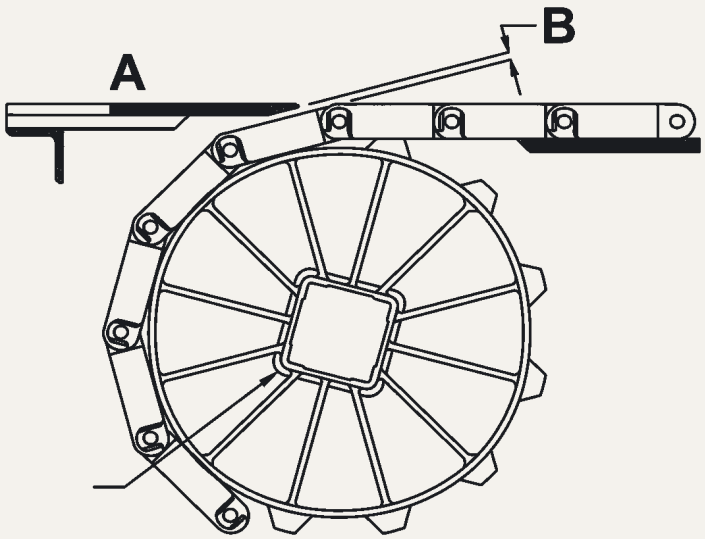
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER (IN)	PITCH DIAMETER (MM)	NO. TEETH	IN	MM
3.1	79	16	0.029	0.7
4.6	117	24	0.020	0.5
6.1	155	32	0.015	0.4

INTRALOX · STRAIGHT-RUNNING

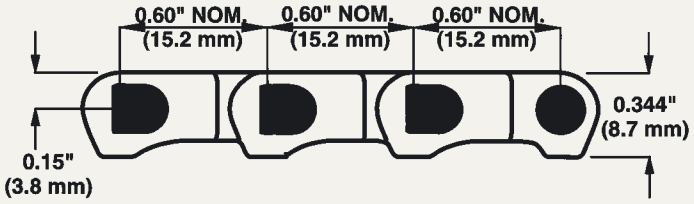
SERIES 1100 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	0.60	15.2
Minimum Width	See Product Notes	
Width Increments	See Product Notes	
Minimum Opening Size (approximate)	0.17 × 0.10	4.3 × 2.5
Maximum Opening Size (approximate)	0.31 × 0.10	7.9 × 2.5
Open Area	28%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight with smooth surface grid.
- Small pitch reduces chordal action and transfer dead plate gap.
- Custom-built in widths that vary by material. Acetal and polypropylene are available in widths from 3 in (76 mm) and up, in 0.5 in (12.7 mm) increments. Flame retardant thermoplastic polyester (FR TPES) is available in widths from 5 in (127 mm) and up, in 1.0 in (25.4 mm) increments. All other materials are available in widths 3 in (76 mm) and up, in 1.0 in (25.4 mm) increments.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.81	3.95
Polyethylene	Polyethylene	450	670	-50 to 150	-46 to 66	0.87	4.25
Acetal	Polypropylene	1300	1940	34 to 200	1 to 93	1.19	5.80
HSEC acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.19	5.80
FR TPES	Polypropylene	750	1120	40 to 150	4 to 66	1.30	6.34
HHR nylon	HHR nylon	1100	1640	-50 to 310	-46 to 154	1.14	5.57
HR nylon	Nylon	1100	1640	-50 to 240	-46 to 116	1.07	5.22

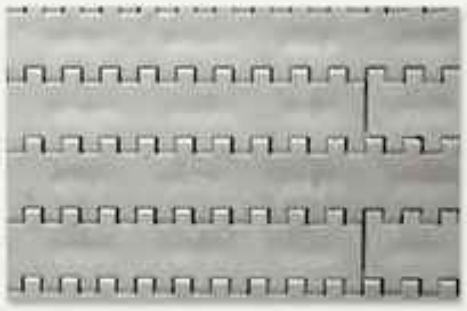
INTRALOX · STRAIGHT-RUNNING

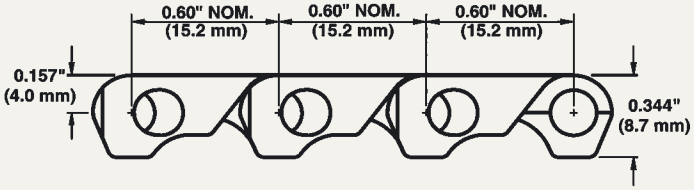
SERIES 1100 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Small pitch reduces chordal action and transfer dead plate gap.
- Lightweight with smooth, closed surface grid.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers. See Tight Transfer Methods for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	500[1]	744[1]	34 to 220	1 to 104	0.90	4.40
Polyethylene	Polyethylene	300[1]	450[1]	-50 to 150	-46 to 66	0.96	4.69
HR nylon	Nylon	500	744	-50 to 240	-46 to 116	1.15	5.61
HHR nylon	HHR nylon	800	1191	-50 to 310	-46 to 154	1.175	5.74
Acetal	Polypropylene	1000	1488	34 to 200	1 to 93	1.30	6.35
Acetal[2]	Polyethylene	900	1339	-50 to 70	-46 to 21	1.30	6.35
X-ray detectable acetal	X-ray detectable acetal	800	1191	-50 to 200	-46 to 93	1.6	7.81
Detectable polypropylene A22	Polypropylene	300	446	34 to 150	1 to 66	1.09	5.32
PK	PK	1000	1488	-40 to 200	-40 to 93	1.14	5.57

[1] When using steel split sprockets, the belt strength for polypropylene is 400 lb/ft (595 kg/m): polyethylene is 240 lb/ft (360 kg/m). [2] Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

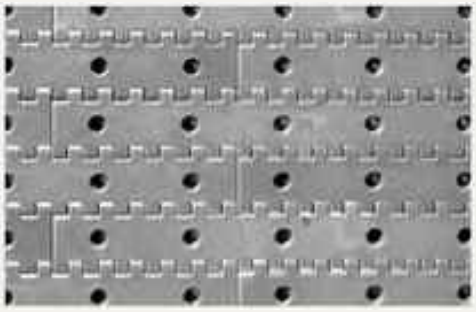
INTRALOX · STRAIGHT-RUNNING

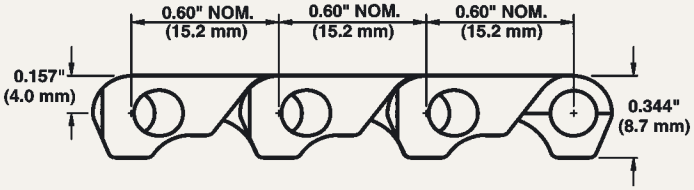
SERIES 1100 - PERFORATED FLAT TOP

PERFORATED FLAT TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	See Product Notes	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- 5.3% open area includes 2.1% open area at the hinge.
- Available with 5/32 in (4 mm) round perforations on a nominal 1 in (25.4 mm) × 0.6 in (15.2 mm) perforation pattern.
- Underside design and small pitch allow the belt to run smoothly around nosebars.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers. See Tight Transfer Methods for more information.
- For use on vacuum applications requiring tight, end-to-end transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.30	6.35
Acetal[1]	Polyethylene	900	1340	-50 to 70	-46 to 21	1.30	6.35

[1] *Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.*

INTRALOX · STRAIGHT-RUNNING

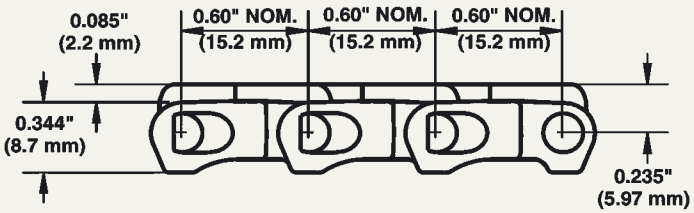
SERIES 1100 - FLUSH GRID FRICTION TOP

FLUSH GRID FRICTION TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.5	12.7
Opening Size (approximate)	0.17 × 0.10	4.3 × 2.5
Open Area	28%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Abrasion resistant rods are recommended.
- Available in grey polypropylene with grey rubber, blue polypropylene with blue rubber, grey polypropylene with black rubber, and white polypropylene with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- If a center-drive conveyor design is used, it can be necessary to retain the belt laterally, by placing collars at the backbend roller, before the drive.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyor systems using these belts.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- Molded indent: 0.34 in (8.6 mm)

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76 · Grey/Grey · 64 Shore A · – · –
Polypropylene	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76 · Grey/Black · 55 Shore A · a · –
Polypropylene	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76 · White/White · 55 Shore A · a · c
Polypropylene	Polypropylene	700	1040	34 to 212	1 to 100	1.18	5.76 · High-Performance FT Blue/Blue · 59 Shore A · a · c
Polypropylene	Polypropylene	700	1040	34 to 150	1 to 66	1.18	5.76 · Blue/Blue · – · a · c

Extra columns appended to Belt weight kg/m²: Base/Friction Color · Friction Top Hardness · Agency Acceptability FDA (USA) · EU MC[b]. • - Fully compliant. a - FDA Compliant with Restriction: Do not use in

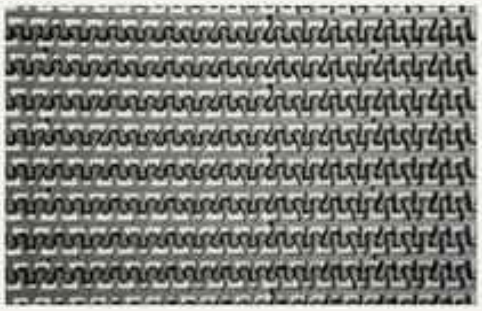
INTRALOX · STRAIGHT-RUNNING

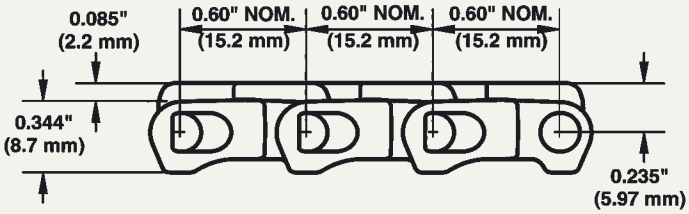
SERIES 1100 - FLUSH GRID FRICTION TOP, NO INDENT

FLUSH GRID FRICTION TOP, NO INDENT

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	0.5	12.7
Opening Size (approximate)	0.17 × 0.10	4.3 × 2.5
Open Area	28%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Abrasion resistant rods are recommended.
- Available in blue PP with blue rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- If a center-drive conveyor design is used, it can be necessary to place collars to retain the belt laterally at the backbend roller before the drive.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyors to use these belts.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 150	1 to 66	1.07	5.22 · Blue/Blue · 55 Shore A · a · c
Polypropylene	Polypropylene	700	1040	34 to 212	1 to 100	1.18	5.76 · High-Performance FT Blue/Blue · 59 Shore A · a · c

Extra columns: Base/friction color · Friction Top Hardness · Agency acceptability FDA (USA) · EU MC(b). • - Fully compliant; a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods; b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011; c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

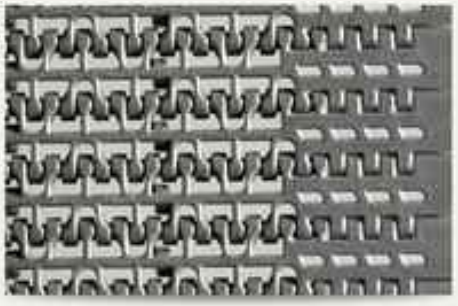
INTRALOX · STRAIGHT-RUNNING

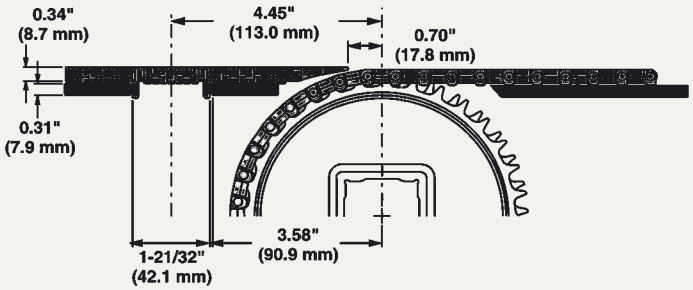
SERIES 1100 - ONEPIECE™ LIVE TRANSFER FLUSH GRID

ONEPIECE™ LIVE TRANSFER FLUSH GRID

	IN	MM
Pitch	0.60	15.2
Minimum Width	6	152
Width Increments	1.00	25.4
Minimum Opening Size (approximate)	0.17 × 0.10	4.3 × 2.5
Maximum Opening Size (approximate)	0.31 × 0.10	7.9 × 2.5
Open Area	28%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight with smooth surface grid.
- Transfer edge is an integral part of this belt.
- Built with nylon rods for superior wear resistance.
- Small pitch reduces chordal action, resulting in a smoother product transfer.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Recommended for use with EZ Track sprockets.
- Use sprockets with a pitch diameter of 3.5 in (89 mm) or larger.
- Designed for smooth, self-clearing, right angle transfers onto takeaway belts.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts.
- Also available in 6 in (152 mm) Mold to Width.
- For custom belt widths, contact Uniking Customer Service.
- Molded tracking tabs fit into standard 1.75 in (44.5 mm) wearstrip tracks ensuring proper belt alignment.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1300	1940	34 to 200	1 to 93	1.19	5.80
FR TPES	Nylon	750	1120	40 to 150	4 to 66	1.30	6.34
HHR nylon	HHR nylon	1100	1640	-50 to 310	-46 to 154	1.20	5.80

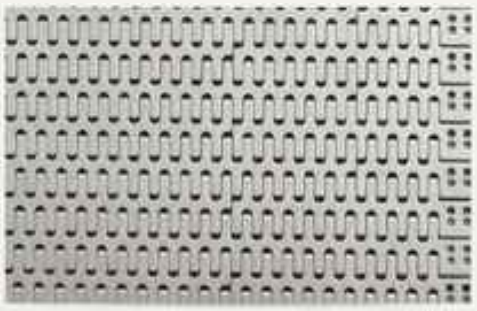
INTRALOX · STRAIGHT-RUNNING

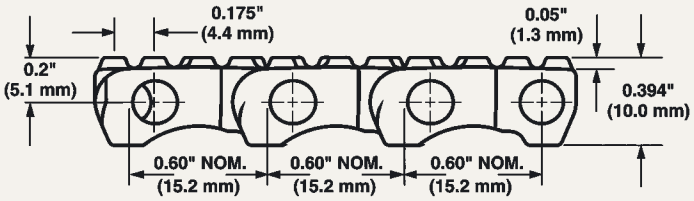
SERIES 1100 - FLUSH GRID NUB TOP

FLUSH GRID NUB TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size (approximate)	0.18 × 0.09	4.4 × 2.3
Open Area	15%	
Product Contact Area	26%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Nub pattern reduces contact between belt surface and product.
- Available in acetal, polypropylene, and polyethylene (for frozen products).
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Recommended for products large enough to span the distance between the nubs.
- Flush Grid Nub Top flights are available.
- Standard nub indent: 1.0 in (25.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.93	4.55
Acetal	Polypropylene	1300	1940	34 to 220	7 to 93	1.36	6.65
Polyethylene	Polyethylene	450	670	-50 to 150	-46 to 66	1.00	4.90
Acetal	Polyethylene	1200	1790	-50 to 70	-46 to 21	1.36	6.65

1 When using polyurethane sprockets, the belt strength for polypropylene, acetal, and nylon is 750 lbs/ft (1120 kg/m), and the temperature range for the sprocket is 0°F (-18°C) to 120°F (49°C).

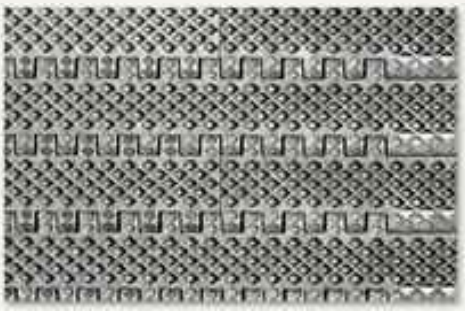
INTRALOX · STRAIGHT-RUNNING

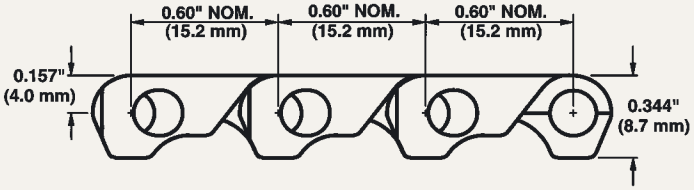
SERIES 1100 - EMBEDDED DIAMOND TOP

EMBEDDED DIAMOND TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	3	76
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight with smooth, closed surface grid.
- Small pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polyethylene	Polyethylene	300	450	-50 to 150	-46 to 66	0.96	4.69

1 When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

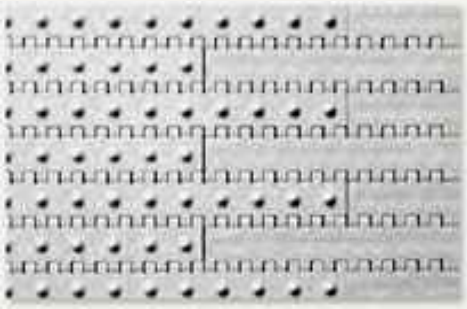
INTRALOX · STRAIGHT-RUNNING

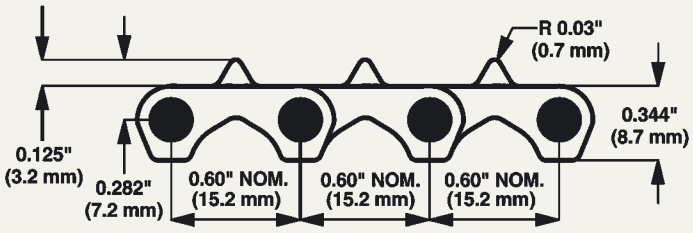
SERIES 1100 - CONE TOP

CONE TOP

	IN	MM
Pitch	0.60	15.2
Minimum Width	9	229
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Small pitch reduces chordal action and transfer dead plate gap.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For information regarding sprocket placement, see Locked Sprocket Position on Shaft.
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- Minimum nominal alternating edge indents: 2 in (51 mm) and 3 in (76 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1000	1490	34 to 200	1 to 93	1.31	6.40
HR nylon	Nylon	500	744	-50 to 240	-46 to 116	1.18	5.76

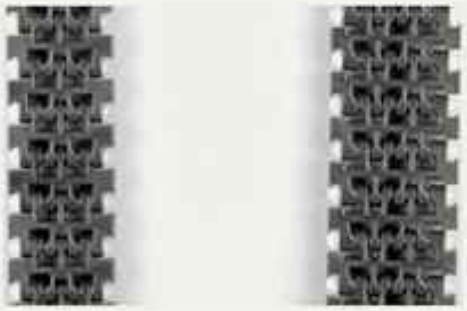
INTRALOX · STRAIGHT-RUNNING

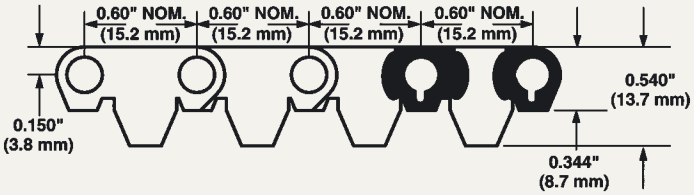
SERIES 1100 - FLUSH GRID MOLD TO WIDTH, 38 MM AND 46 MM WIDE

FLUSH GRID MOLD TO WIDTH, 38 MM AND 46 MM WIDE

	IN	MM
Pitch	0.60	15.2
Molded Widths	1.5 & 1.8	38 & 46
Minimum Opening Size (approximate)	0.17 × 0.10	4.3 × 2.5
Maximum Opening Size (approximate)	0.31 × 0.10	7.9 × 2.5
Open Area	26%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Lightweight with smooth surface grid.
- Flush edges.
- Tracking tabs provide lateral tracking.
- Standard nylon rodlets provide longer service life.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use only EZ Track sprockets.
- Use one sprocket maximum per shaft for both widths.
- Spacing between tracking tabs: 38-mm belt: 1.2 in (30.6 mm); 46-mm belt: 1.54 in (39.1 mm)
- Can be used over 0.875 in (22.2 mm) diameter nosebar for tight transfers.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal (38 mm)	Nylon	130	59	-50 to 200	-46 to 93	0.185	0.275
Acetal (46 mm)	Nylon	150	68	-50 to 200	-46 to 93	0.216	0.321

When using steel sprockets, the belt strength for polyethylene is 240 lb/ft (360 kg/m).

INTRALOX · STRAIGHT-RUNNING

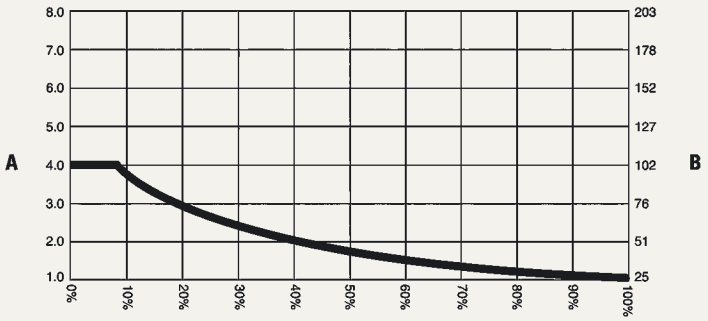
SERIES 1100

SPROCKET AND SUPPORT QUANTITY REFERENCE1

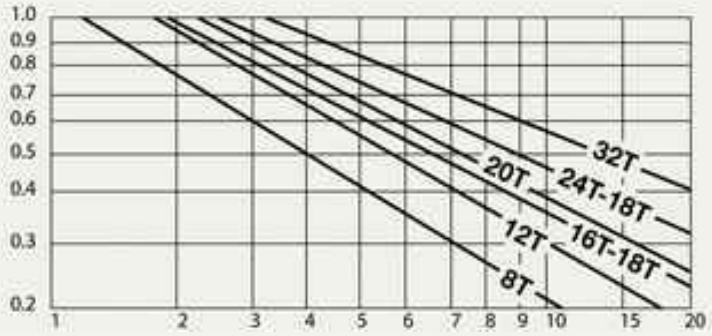
SPROCKET AND SUPPORT QUANTITY REFERENCE¹

BELT WIDTH RANGE[2]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[3]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
3	76	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	4
42	1067	11	8	5
48	1219	13	9	5
54	1372	15	10	6
60	1524	15	11	6
72	1829	19	13	7
84	2134	21	15	8
96	2438	25	17	9
120	3048	31	21	11
144	3658	37	25	13

Sprockets per shaft: For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[4]
Carryway wearstrips: Maximum 6 in (152 mm) centerline spacing
Returnway wearstrips: Maximum 12 in (305 mm) centerline spacing



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A SPROCKET SPACING, IN; B SPROCKET SPACING, MM



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L), BY SPROCKET TOOTH COUNT (8T, 12T, 16T-18T, 20T, 24T-26T, 32T)

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 1100

MOLDED SPROCKET

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
12 (3.41%)	2.3	58	2.3	58	0.75	19	1.0	1.0	25	25
16 (1.92%)	3.1	79	3.1	79	1.0	25	1, 1.25	1.5	25 to 30	40
18 (1.52%)	3.5	89	3.5	89	0.75	19		1.0, 1.5		25, 40
20 (1.23%)	3.8	97	3.8	97	1.0	25		1.5		40
24 (0.86%)	4.6	117	4.7	119	1.0	25	1 to 1.25	1.5, 2.5	25 to 30	40, 60
26 (0.73%)	5.1	130	5.1	130	1.0	25	1 to 1.25	1.5	25 to 30	40
32 (0.48%)	6.1	155	6.2	157	1.0	25	1 to 1.25	1.5, 2.5	25 to 30	40, 60

1 Round bore molded and split sprockets are frequently furnished with two keyways. Use of two keys is NOT REQUIRED nor recommended. Round bore sprockets do not have setscrews for locking the sprockets in place. As with square bore sprockets, only the center-most sprocket must be locked down. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



MOLDED SPROCKET

ABRASION RESISTANT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[2]	SQUARE (IN)	ROUND (MM)[2]	SQUARE (MM)
8 (7.61%)	1.6	41	1.6	41	0.164	4.2	0.75	0.625	20	
12 (3.41%)	2.3	58	2.3	58	0.164	4.2	1.0	1.0	25	25

2 The stainless steel sprockets have a male key in the round bore sizes. Since the key is part of the sprocket, only the center sprockets must be locked down to track the belt. The male key requires running the shaft keyway along the entire length of the shaft. Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



INTRALOX · STRAIGHT-RUNNING

SERIES 1100

SPLIT METAL SPROCKET

SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
18 (1.54%)	3.5	89	3.5	89	1.7	43		1.5		40
24 (0.86%)	4.6	117	4.7	119	1.7	43	1, 1-3/16, 1-1/4	1.5	30	40
26 (0.73%)	5.1	130	5.1	130	1.7	43	1, 1-3/16, 1-1/4	1.5, 2.5		40, 60
32 (0.48%)	6.1	155	6.2	157	1.7	43	1, 1-3/16, 1-1/4, 1-1/2	1.5, 2.5		40, 60

1 U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885



SPLIT METAL SPROCKET

EZ TRACK™ MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	3.1	79	3.1	79	1.0	25		1.5		40
18 (1.52%)	3.5	89	3.5	89	1.0	25		1.5		40
24 (0.86%)	4.6	117	4.7	119	1.0	25		1.5, 2.5		40, 60
32 (0.48%)	6.1	155	6.2	157	1.0	25		1.5, 2.5		40, 60



EZ TRACK™ MOLDED SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1100 (CONT.)

EZ TRACK™ GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
24 (0.86%)	4.6	117	4.7	119	1.5	38		1.5		40
32 (0.48%)	6.1	155	6.2	157	1.5	38		1.5, 2.5		40, 60



EZ TRACK™ GLASS FILLED NYLON SPLIT SPROCKETS

INTRALOX · STRAIGHT-RUNNING

SERIES 1100

EZ TRACK™ AND EZ CLEAN™ SPROCKETS

EZ TRACK™ AND EZ CLEAN™ SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	2.3	58	2.3	58	1.0	25	1.0	1.0	25	25
16 (1.92%)	3.1	79	3.1	79	1.0	25	1.0, 1-1/16, 1-1/8, 1-1/4		25, 30	
18 (1.52%)	3.5	89	3.5	89	1.0	25	1.0	1.0		25
20 (1.23%)	3.8	97	3.8	97	1.0	25		1.5		40
24 (0.86%)	4.6	117	4.7	119	1.0	25	1.0, 1-1/16, 1-1/8, 1-3/16, 1-1/4		25, 30	
26 (0.73%)	5.1	130	5.1	130	1.0	25	1.0, 1-1/16, 1-1/8, 1-1/4	1.5	25, 30	40
32 (0.48%)	6.1	155	6.2	157	1.0	25	1.0, 1-1/16, 1-1/8, 1-3/16, 1-1/4, 1-1/2		25, 30, 40	



EZ TRACK™ SPROCKET

FLAT TOP BASE FLIGHTS (STREAMLINE)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal, detectable polypropylene A22

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Flat Top base Streamline flights are used in both Flat Top and Flush Grid belts.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Flat Top minimum recommended indent: 2 in (51 mm).
- Flush Grid minimum recommended indent: 1.5 in (38 mm).



FLAT TOP BASE STREAMLINE FLIGHT

INTRALOX · STRAIGHT-RUNNING

SERIES 1100

FLUSH GRID NUB TOP BASE FLIGHTS (NO-CLING)

FLUSH GRID NUB TOP BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal
3	76	Polypropylene, acetal



FLUSH GRID NUB TOP BASE FLIGHT (NO-CLING)

- No fasteners required.
- When going around the 8, 12, 16, and 18 tooth sprockets, sideguards fan out, opening a gap at the top that can allow small products to fall out. The sideguards stay completely closed when wrapping around the 24 tooth and larger sprockets.
- Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.
- Minimum indent: 1.3 in (33 mm).
- Standard gap between the sideguards and the edge of a flight: 0.2 in (5 mm).

- The No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of the module, molded as an integral part. No fasteners required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum recommended indent: 1 in (25 mm).

SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene, polyethylene, acetal



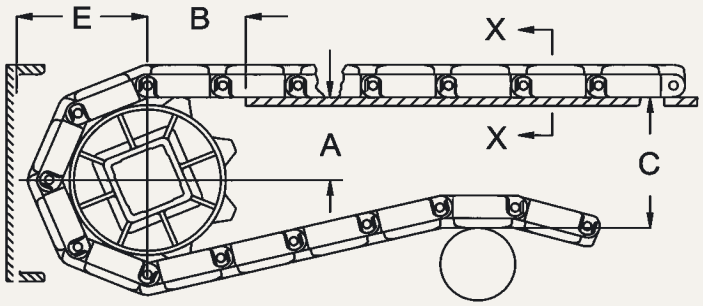
SIDEGUARD

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSION TOLERANCES

DIM.	TOLERANCE	DIM.	TOLERANCE
A	± 0.031 in (1 mm)	C	± (max.)
B	± 0.125 in (3 mm)	E	± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 1100

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1100 EMBEDDED DIAMOND TOP, FLAT TOP, FLUSH GRID, PERFORATED FLAT TOP[1]										
1.6	41	8	0.53-0.59	13-15	1.02	26	1.70	43	1.00	25
2.3	58	12	0.93-0.97	24-25	1.31	33	2.40	61	1.37	35
3.1	79	16	1.31	33	1.51	38	3.20	81	1.75	44
3.5	89	18	1.51	38	1.66	42	3.60	91	1.94	49
3.8	97	20	1.70	43	1.77	45	3.79	96	2.13	54
4.6	117	24	2.08	53	1.92	49	4.75	121	2.60	66
5.1	130	26	2.28	58	1.96	50	5.14	131	2.73	69
6.1	155	32	2.85	72	2.20	56	6.20	155	3.30	84
S1100 FLUSH GRID FRICTION TOP[1], FLUSH GRID FRICTION TOP, NO INDENT[1]										
1.6	41	8	0.53-0.59	13-15	1.04	27	1.61	41	1.08	27
2.3	58	12	0.93-0.97	24-25	1.30	33	2.36	60	1.46	37
3.1	79	16	1.31	33	1.55	39	3.12	79	1.84	47
3.5	89	18	1.51	38	1.66	42	3.50	89	2.03	51
3.8	97	20	1.70	43	1.77	45	3.88	98	2.22	56
4.6	117	24	2.08	53	1.97	50	4.64	118	2.60	66
5.1	130	26	2.28	58	2.06	52	5.02	127	2.79	71
6.1	155	32	2.85	72	2.25	57	6.16	157	3.36	85
S1100 FLUSH GRID NUB TOP[1]										
1.6	41	8	0.53-0.59	13-15	1.04	27	1.57	40	1.05	27
2.3	58	12	0.93-0.97	24-25	1.30	33	2.32	59	1.42	36
3.1	79	16	1.31	33	1.55	39	3.08	78	1.80	46
3.5	89	18	1.51	38	1.66	42	3.46	88	1.99	51
3.8	97	20	1.70	43	1.70	43	3.84	98	2.18	55
4.6	117	24	2.08	53	1.97	50	4.60	117	2.56	65
5.1	130	26	2.28	58	2.06	52	4.98	127	2.75	70
6.1	155	32	2.85	72	2.25	57	6.13	156	3.32	84
S1100 CONE TOP[1]										
1.6	41	8	0.54-0.60	14-15	1.04	26	1.66	42	1.13	29
2.3	58	12	0.93-0.97	24-25	1.30	33	2.41	61	1.50	38
3.1	79	16	1.32	34	1.55	39	3.17	81	1.88	48
3.5	89	18	1.51	38	1.66	42	3.55	90	2.07	53
3.8	97	20	1.71	43	1.70	43	3.93	100	2.26	57
4.6	117	24	2.09	53	1.96	50	4.69	119	2.64	67
5.1	130	26	2.28	58	2.05	52	5.07	129	2.83	72
6.1	155	32	2.86	73	2.24	57	6.22	158	3.41	87

[1] See Anti-Sag Carryway Wearstrip Configuration for alternate layouts for the B dimension.

INTRALOX · STRAIGHT-RUNNING

SERIES 1100

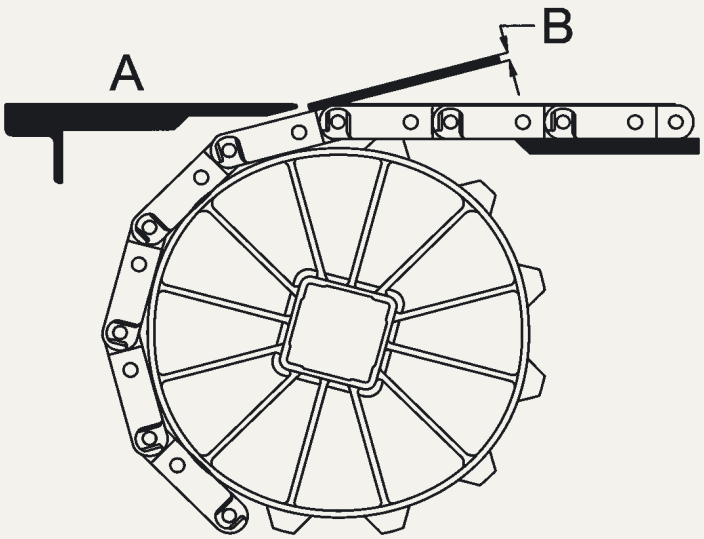
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a fixed point (the tip of the dead plate) with varying clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
1.6	41	8	0.058	1.5
2.3	58	12	0.040	1.0
3.1	79	16	0.029	0.7
3.5	89	18	0.026	0.7
3.8	97	20	0.024	0.6
4.6	117	24	0.020	0.5
5.1	130	26	0.018	0.4
6.1	155	32	0.015	0.4

INTRALOX · STRAIGHT-RUNNING

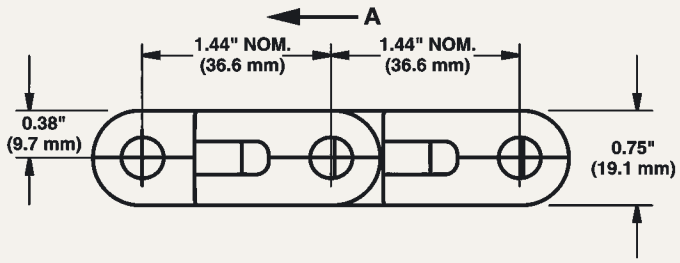
SERIES 1200 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.44	36.6
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	24%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Molded split plastic sprockets available for easy installation.
- Module thickness: 0.75 in (19.1 mm), which provides superior belt strength and stiffness.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.31 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene Composite	Polypropylene	3300	4908	34 to 220	1 to 104	2.87	14.01

Belt strength rating depends on preferred belt run direction. If run in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m).

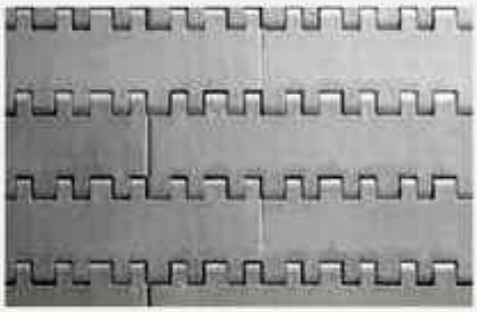
INTRALOX · STRAIGHT-RUNNING

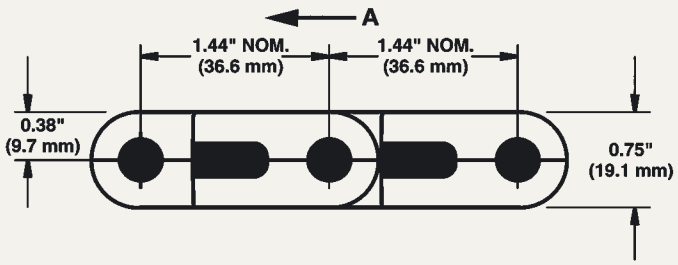
SERIES 1200 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	1.44	36.6
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Module thickness is 0.75 in (19.1 mm), which provides superior belt strength and stiffness.
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Molded split plastic sprockets available for easy installation.
- Belt strength rating depends on preferred belt run direction. In the preferred run direction, S1200 belts are rated 4000 lb/ft (5950 kg/m). If the belt runs in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m).
- Belt strength for narrow belts: 3750 lb/ft (5580 kg/m) for belt widths under 60 in (1524 mm). Contact Uniking Customer Service if a more precise belt strength is required. 3250 lb/ft (4835 kg/m) for belt widths under 30 in (762 mm). 2750 lb/ft (4090 kg/m) for belt widths under 12 in (305 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.31 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene Composite	Polypropylene Composite	4000	5950	-20 to 220	-29 to 104	3.17	15.45
EC Polypropylene Composite	Polypropylene Composite	4000	5950	-20 to 220	-29 to 104	3.2	15.66

Belt strength rating depends on preferred belt run direction. If run in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m). The belt strength for narrow belts is reduced to 3750 lb/ft (5580 kg/m) for belt widths under 60 in (1524 mm), 3250 lb/ft (762 kg/m) for belt widths under 30 in (762 mm), and 2750 lb/ft (4090 kg/m) for belt widths under 12 in (305 mm). Contact Uniking Customer Service if a more precise belt strength is required for belt widths under 60 in (1524 mm).

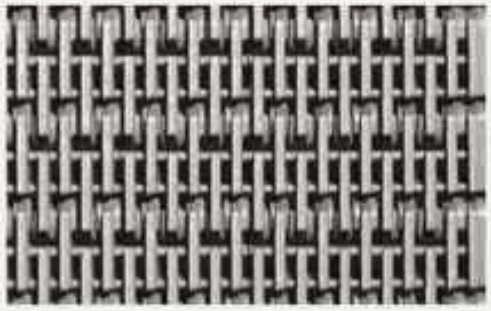
INTRALOX · STRAIGHT-RUNNING

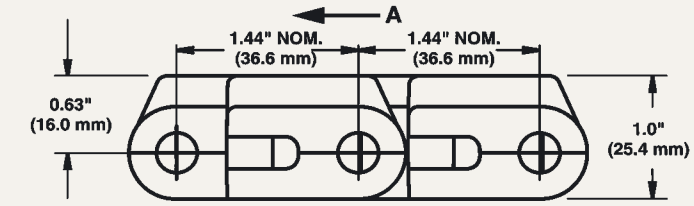
SERIES 1200 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	1.44	36.6
Minimum Width	6	152
Width Increments	1.00	25.4
Open Area	24%	
Product Contact Area	24%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Molded split plastic sprockets available for easy installation.
- Module thickness: 1.0 in (25.4 mm), which provides superior belt strength and stiffness.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.31 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene Composite	Polypropylene	3300	4908	34 to 220	1 to 104	3.3	16.11

[1] Belt strength rating depends on preferred belt run direction. If run in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m).

INTRALOX · STRAIGHT-RUNNING

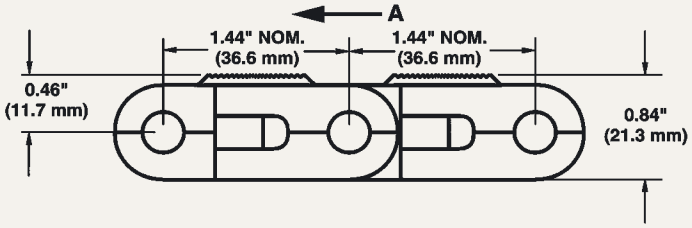
SERIES 1200 - NON SKID

NON SKID

	IN	MM
Pitch	1.44	36.6
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion. Engineered resin is a static dissipative material that does not rely on moisture to dissipate a charge, so it is effective in all environments.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Contact Uniking Customer Service
- Molded split plastic sprockets available for easy installation.
- 1.44 in (36.6 mm) pitch allows use of smaller drive sprockets than traditional moving-platform belts, providing tighter transfers and requiring shallower floor trenches for installation.
- Module thickness: 0.75 in (19.1 mm) provides superior belt strength and stiffness. In the preferred run direction, Series 1200 belts are rated 4000 lb/ft (5950 kg/m).
- Non Skid indent: 1.0 in (25.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.31 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
EC Polypropylene Composite	Polypropylene Composite	4000	5950	-20 to 220	-29 to 104	3.21	15.65

[1] Belt strength rating depends on preferred belt running direction. If run in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m). The belt strength for narrow belts is reduced to 3750 lb/ft (5580 kg/m) for belt widths under 60 in (1524 mm), 3250 lb/ft (762 kg/m) for belt widths under 30 in (762 mm), and 2750 lb/ft (4090 kg/m) for belt widths under 12 in (305 mm). Contact Uniking Customer Service if a more precise belt strength is required for belt widths under 60 in (1524 mm).

INTRALOX · STRAIGHT-RUNNING

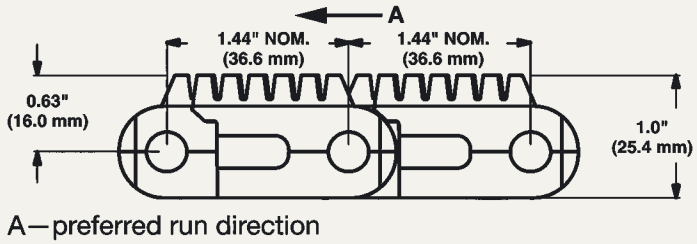
SERIES 1200 - NON SKID RAISED RIB

NON SKID RAISED RIB

	IN	MM
Pitch	1.44	36.6
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Product Contact Area	10%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Tread pattern provides a non-skid walking surface to increase safety.
- Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Slidelox are glass-reinforced polypropylene.
- Made of engineered resin for increased stiffness and minimal belt elongation through thermal expansion. Engineered resin is a static dissipative material that does not rely on moisture to dissipate a charge, so it is effective in all environments.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions.
- For information about friction values between product and belt, contact Uniking Customer Service
- 1.44 in (36.6 mm) pitch allows use of smaller drive sprockets than traditional moving-platform belts, providing tighter transfers and requiring shallower floor trenches for installation.
- Rib indent: 1.0 in (25 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.31 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
EC polypropylene composite	Polypropylene Composite	4000	5950	-20 to 220	-29 to 104	3.58	17.48
UV resistant acetal[2]	Acetal	2500	3713	-50 to 150	-46 to 66	4.51	22.02

[1] Belt strength rating depends on preferred belt running direction. If run in the opposite direction, the belt rating is 2000 lb/ft (3000 kg/m). The belt strength for narrow belts is reduced to 3750 lb/ft (5580 kg/m) for belt widths under 60 in (1524 mm), 3250 lb/ft (762 kg/m) for belt widths under 30 in (762 mm), and 2750 lb/ft (4090 kg/m) for belt widths under 12 in (305 mm). Contact Uniking Customer Service if a more precise belt strength is required for belt widths under 60 in (1524 mm). [2] UV resistant acetal requires special sprockets.

INTRALOX · STRAIGHT-RUNNING

SERIES 1200

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
9	229	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	3	4	3
24	610	5	4	3
30	762	5	5	4
32	813	5	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13
145	3683	25	18	14
146	3708	25	18	14
147	3734	25	18	14
148	3759	25	18	14
149	3785	25	18	14
150	3810	25	18	14
151	3835	25	18	14
152	3861	25	18	14
153	3886	25	18	14
154	3912	25	19	14

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 6 in (152 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

SPROCKET AND SUPPORT QUANTITY REFERENCE (CONT.)

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
155	3937	25	19	14
156	3962	27	19	14
157	3988	27	19	15
158	4013	27	19	15
159	4039	27	19	15

INTRALOX · STRAIGHT-RUNNING

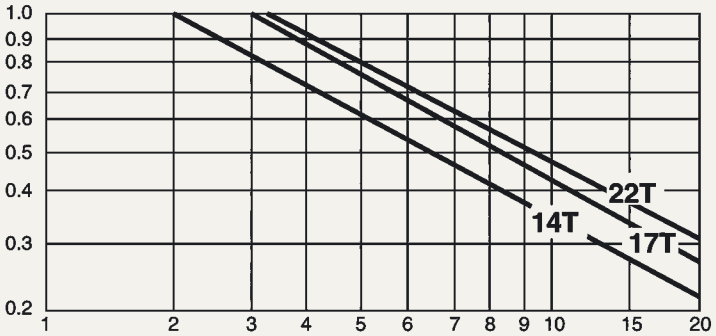
SERIES 1200

SPROCKET AND SUPPORT QUANTITY REFERENCE

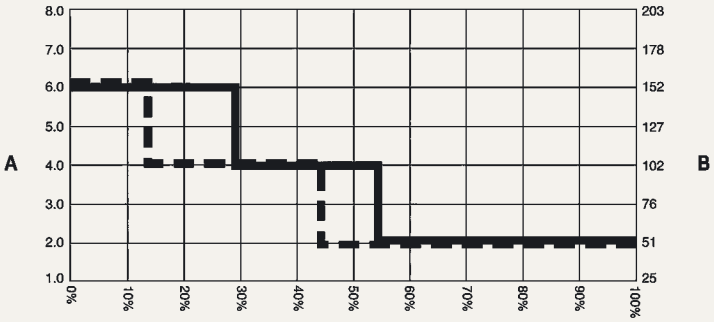
SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE		MINIMUM NUMBER OF SPROCKETS PER SHAFT	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
170	4318	29	20	16
171	4343	29	20	16
172	4369	29	21	16
173	4394	29	21	16
174	4420	29	21	16
175	4445	29	21	16
176	4470	29	21	16
177	4496	29	21	16
178	4521	29	21	16
179	4547	29	21	16
180	4572	31	21	16
181	4597	31	22	17
182	4623	31	22	17
183	4648	31	22	17
184	4674	31	22	17
185	4699	31	22	17
For other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing.[1]			Maximum 6 in (152 mm) centerline spacing	Maximum 12 in (305 mm) centerline spacing

[1] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. See Locked Sprocket Location chart in the Installation Instruction Guidelines.



STRENGTH FACTOR



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See Belt Selection Instructions for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Percentage of allowable belt strength utilized

A Sprocket spacing, in
B Sprocket spacing, mm

Solid line polypropylene composite rods
Dashed line polypropylene rods

INTRALOX · STRAIGHT-RUNNING

SERIES 1200 (CONT.)

PLASTIC SPLIT SPROCKETS[2]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[2]	SQUARE (IN)[3]	ROUND (MM)[2]	SQUARE (MM)
14 (2.51%)	6.5	165	6.3	161	1.5	38		1.5		
								2.5		
17 (1.70%)	7.9	201	7.7	196	1.5	38		2.5		
22 (1.02%)	10.2	259	10.1	255	1.67	44		2.5		
					1.5	38	3.5	3.5		90

[2] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[3] The 2.5" square bore is created by using a bore adapter in the 3.5" square bore sprocket.



PLASTIC SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1200

SPLIT METAL SPROCKET, HOLD DOWN TABS & INSERT NUTS

SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
12 (3.41%)	5.6	142	5.4	137	1.7	43		2.5		
14 (2.51%)	6.5	165	6.3	161	1.7	43		1.5, 2.5		
22 (1.70%)	10.2	259	10.1	255	1.7	43		2.5, 3.5		



SPLIT METAL SPROCKET



HOLD DOWN TAB

HOLD DOWN TABS

- Available on Non Skid and Flat Top belts.
- Carryway wearstrips or rollers that engage the tabs are only required at the transition between the horizontal sections and angled sections. This approach reduces initial system cost, as well as ongoing maintenance cost and effort.
- Ensure that adequate lead-in radii and/or angles are used to prevent the possibility of snagging the tab on the frame.
- Tabs should be spaced every other row (2.9 in [73.2 mm]) along the length of the belt. Tabs can be spaced every fourth row (5.8 in [146.3 mm]) for lightly loaded applications.
- Each line of tabs along the length of the belt reduces the available number of sprockets by 2. Belt rating is reduced by 1,300 lb (590 kg) for each line of tabs.
- A carryway radius should be designed at the transition between horizontal sections and angled sections. This radius must be at least 48 in (1.22 m) for belts that are loaded near the belt strength rating. This radius is one of the most important factors to consider when designing highly loaded conveyors that utilize Hold Down tabs.
- Strength rating for each Hold Down tab: 100 lb (45.4 kg) of force perpendicular to the hold down surface.

INSERT NUTS

AVAILABLE BASE BELT STYLE - MATERIAL	AVAILABLE INSERT NUT SIZES
Flat Top - Polypropylene Composite	0.3125 in - 18 (8 mm - 1.25 mm)

INSERT NUTS - FIXTURE WEIGHT & TORQUE

BELT MATERIAL	MAXIMUM FIXTURE WEIGHT		FASTENER TORQUE SPECIFICATION	
	LB/NUT	KG/NUT	IN-LB	N-M
Polypropylene Composite	355	155	100	11.3

Maximum fixture weight is fixture weight only. Product weight need not be included.

INTRALOX · STRAIGHT-RUNNING

SERIES 1200 (CONT.)

- Insert Nuts allow easy attachment of fixtures to the belt.
- All nut placement dimensions are referenced from the edge of the belt when placing an order. Contact Uniking Customer Service for nut location options available for your application.
- Ensure attachments connected to more than one row do not prohibit belt rotation around the sprockets.
- Do not locate sprockets in-line with the insert nuts.
- For attachment bases that extend across multiple rows, ensure reduced backbend is considered during design.
- Minimal indent from the edge of the belt: 0.833 in (21 mm) for odd-width belts, 1.833 in (47 mm) for even-width belts.
- Minimal distance between nuts across the width of the belt: 1.33 in (34 mm).
- Spacing along the length of the belt: 1.44 in (36.6 mm) increments.



INSERT NUTS

INTRALOX · STRAIGHT-RUNNING

SERIES 1200

FINGER TRANSFER PLATES

FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Polypropylene



FINGER TRANSFER PLATES

- Identical to Series 400 finger transfer plates.
- Eliminates product transfer and tipping problems. The fingers extend between the belt ribs to allow a smooth continuation of the product flow as the belt engages the sprockets.
- Easily installed on the conveyor frame with the supplied shoulder bolts. Caps easily snap into place over the bolts, and keep foreign materials out of the slots.

TWO-MATERIAL FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic fingers, acetal backplate

AVAILABLE CONFIGURATIONS

STANDARD	STANDARD EXTENDED BACK	GLASS-HANDLING
Long fingers with a short backplate	Long fingers with an extended backplate	Short fingers with extended backplate; short fingers with short backplate; mid-length fingers with a short backplate; mid-length fingers with extended backplate

- Provides high-strength fingers combined with a low-friction backplate.
- Eliminates product transfer and tipping problems. The 18 fingers extend between the belt ribs allowing a smooth, continuous product flow as the belt engages the sprockets.
- Low-friction backplate is permanently attached to the two high-strength finger inserts.
- Plastic shoulder bolts and bolt covers are included for installing the standard two-material finger transfer plates (FTPs).
- Mounting hardware for the glass-handling two-material FTPs is sold separately. Mounting hardware consists of stainless steel oval washers and bolts, which give more secure fastening for tough, glass applications.
- For applications that require better chemical resistance, Intralox offers a single-material polypropylene standard FTP. Mounting hardware for this finger transfer plate includes plastic shoulder bolts and snap-cap bolt covers.
- Long fingers provide good support for unstable products like PET containers and cans. Short fingers are sturdy enough for harsh, broken-glass applications. These fingers are designed to resist breaking, but if confronted with deeply embedded glass, the individual fingers yield and break off, preventing belt or frame damage.
- Short backplate has two attachment slots and the extended backplate has three attachment slots.
- Series 400 and Series 1200 use the same FTPs.
- For best product transfer, use 10.2 in (259 mm) PD, 22-tooth sprockets with glass-handling finger transfer plates. 10.2 in (259 mm) PD 22-tooth sprockets are the maximum-size sprockets to use with short finger glass-handling finger transfer plates.



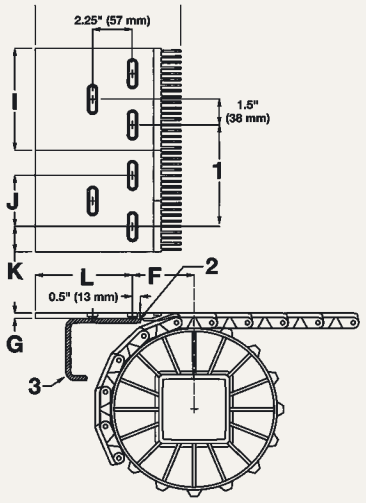
INTRALOX · STRAIGHT-RUNNING

SERIES 1200

FINGER TRANSFER PLATE INSTALLATION & SELF-CLEARING FINGER TRANSFER PLATES

DIMENSIONAL REQUIREMENTS FOR FINGER TRANSFER PLATE INSTALLATION

	TWO-MATERIAL							
	STANDARD LONG FINGERS - SHORT BACK		STANDARD LONG FINGERS - EXTENDED BACK		GLASS HANDLING SHORT FINGERS - EXTENDED BACK		GLASS HANDLING MID-LENGTH FINGERS - EXTENDED BACK	
	IN	MM	IN	MM	IN	MM	IN	MM
F	3.50	89	3.50	89	3.50	89	3.50	89
G	0.31	8	0.31	8	0.31	8	0.31	8
H	7.25	184	10.75	273	8.26	210	9.04	230
I	5.91	150	5.91	150	5.91	150	5.91	150
J	3.00	76	3.00	76	3.00	76	3.00	76
K	1.45	37	1.45	37	1.45	37	1.45	37
L	2.00	51	5.50	140	5.50	140	5.50	140
POLYPROPYLENE COMPOSITE								
Spacing at ambient temperature	6.0	152.4	6.0	152.4	6.0	152.4	6.0	152.4



1 Spacing
2 0.5 in (13 mm) Radius (leading edge of frame member)

TWO-MATERIAL GLASS HANDLING FINGER TRANSFER PLATE SHOWN. 1 SPACING; 2 0.5 IN (13 MM) RADIUS (LEADING EDGE OF FRAME MEMBER); 3 FRAME MEMBER

SELF-CLEARING FINGER TRANSFER PLATES

AVAILABLE WIDTH		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-Filled Thermoplastic

Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490

- Consists of a finger transfer plate and a transfer edge belt that are designed to work together.
- Molded with robust tracking tabs for belt support in heavy side-loading conditions.
- Flat, smooth top surface provides excellent lateral movement of containers.
- Fully flush edges, headed rod retention system, and nylon rods for superior wear resistance.
- Eliminates the need for a sweeper bar, a pusher arm, or wide transfer plates. Transfers are smooth and 100% self-clearing, making right angle transfers possible for all container types.
- Ideal for warmer/cooler applications with frequent product changeovers.
- Bi-directional system allows same transfer belt use for both left-hand and right-hand transfers.
- Compatible with any series and style of Intralox belt on the discharge and infeed conveyors.
- Capable of transferring product to and from Intralox Series 400, Series 1200, and Series 1900 Raised Rib belts.
- Robust design for durability in tough, glass applications.



SELF-CLEARING FINGER TRANSFER PLATE IN SERVICE

INTRALOX · STRAIGHT-RUNNING

SERIES 1200

SELF-CLEARING FINGER TRANSFER PLATE INSTALLATION & CONVEYOR FRAME DIMENSIONS

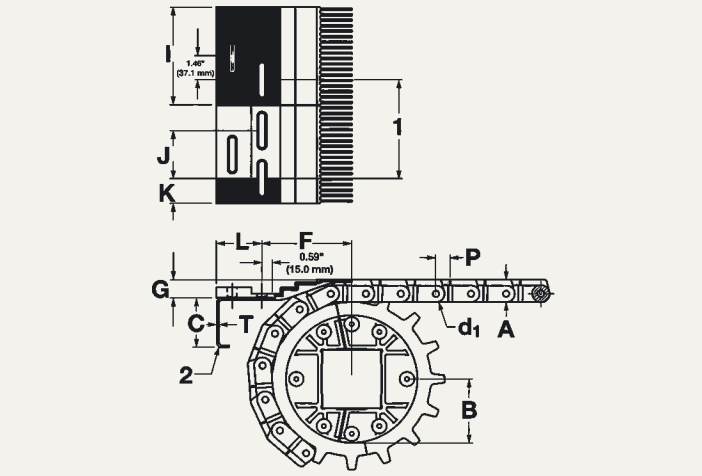
DIMENSIONAL REQUIREMENTS FOR SELF-CLEARING FINGER TRANSFER PLATE INSTALLATIONS

	SELF-CLEARING	
	IN	MM
F	5.25	133.4
G	1.15	29.2
H	8.05	204.5
I	5.93	150.6
J	2.92	74.2
K	1.51	38.4
L	2.71	68.8

Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490

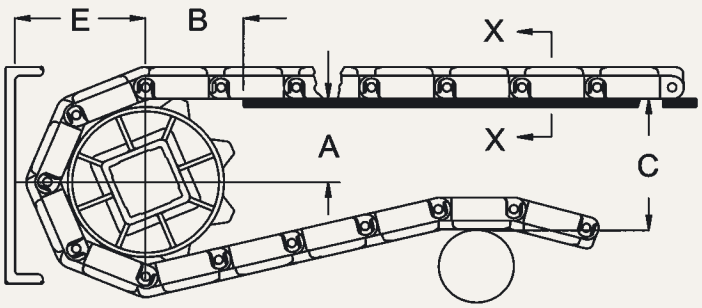
SPACING AT AMBIENT TEMPERATURE

MATERIAL	IN	MM
PP Composite	6.000	152.4



1 Spacing

SELF-CLEARING FINGER TRANSFER PLATE INSTALLATION DIMENSIONS F–L. 1 SPACING; 2 FRAME MEMBER



CONVEYOR FRAME DIMENSIONS A, B, C, E – A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1200 FLAT TOP, FLUSH GRID										
5.6	142	12	2.31-2.41	59-61	2.15	55	5.56	141	3.22	82
6.5	165	14	2.78-2.87	71-73	2.35	60	6.48	165	3.87	98
7.9	201	17	3.48-3.55	88-90	2.62	67	7.85	199	4.55	116

INTRALOX · STRAIGHT-RUNNING

SERIES 1200

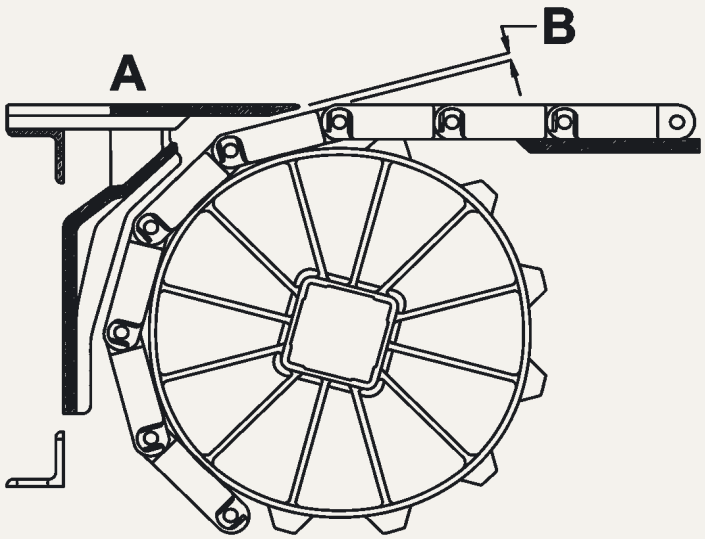
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET — A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
5.6	142	12	0.095	2.4
6.5	165	14	0.081	2.1
7.9	201	17	0.067	1.7
10.2	259	22	0.052	1.3

INTRALOX · STRAIGHT-RUNNING

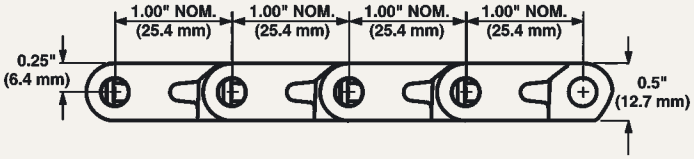
SERIES 1400 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Flat Top surface provides excellent lateral movement of containers. Ideal for container handling.
- Slidelox are available in polypropylene or acetal. For Easy Release PLUS belts, use polypropylene Slidelox. For Easy Release Traceable polypropylene belts, use detectable polypropylene Slidelox.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic, with large lug teeth for excellent durability and wear life.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Robust design offers excellent belt and sprocket durability, especially in tough glass applications.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2500	3720	-50 to 200	-46 to 93	2.75	13.43
Polypropylene	Nylon	1800	2678	34 to 220	1 to 104	1.85	9.03
HHR nylon	Nylon	2000	2976	-50 to 310	-46 to 154	2.32	11.33
HSEC acetal	Nylon	1600	2380	-50 to 200	-46 to 93	2.69	13.13

INTRALOX · STRAIGHT-RUNNING

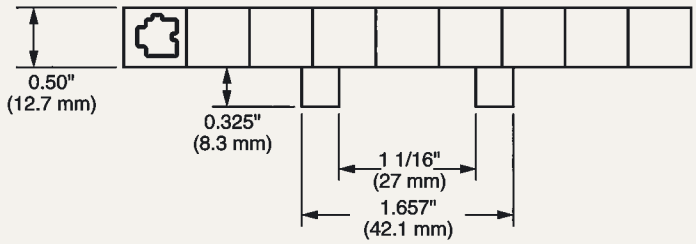
SERIES 1400 - MOLD TO WIDTH FLAT TOP

MOLD TO WIDTH FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Widths	3.25	83
	4.5	114
	6.0	152
	7.5	191
	-	85.0
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Flat Top provides excellent lateral movement of containers. Ideal for container handling.
- Tracking tabs provide lateral tracking.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets use a split design, so shafts do not have to be removed for retrofits and changeovers.
- Split sprockets are designed with thick, lug-style teeth for excellent durability and wear life.
- Robust design offers excellent belt and sprocket durability, especially in tough, glass applications.
- Sprocket placement: Use one sprocket on 3.25 in (83 mm) mold to width belts, and on 4.5 in (114 mm) tabbed mold to width belts. Use one or two sprockets on 4.5 in (114 mm) no tab mold to width belts. Use up to three sprockets on 6.0 in (152 mm) belts, and on 7.5 in (191 mm) mold to width belts.
- Optional tracking tabs fit into single barreled belt wearstrip with 1.75 in (44.5 mm) spacing.
- Width tolerances: +0.000/-0.020 in (+0.000/-0.500 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal (3.25 in / 83 mm)	Nylon	700	318	-50 to 200	-46 to 93	0.80	1.19 · No tab: 0.75 lb/ft · 1.12 kg/m
Acetal (85 mm)	Nylon	700	318	-50 to 200	-46 to 93	0.80	1.19 · No tab: - · -

INTRALOX · STRAIGHT-RUNNING

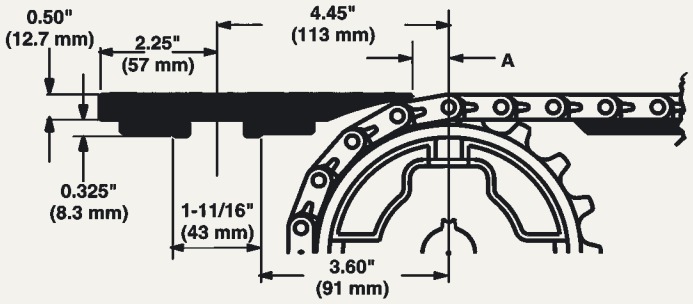
SERIES 1400 - ONEPIECE™ LIVE TRANSFER FLAT TOP

ONEPIECE™ LIVE TRANSFER FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	6	152
Width Increments	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, flat surface with fully flush edges.
- Transfer edge is an integral part of the belt.
- Tracking tabs support the belt in heavy, side-loading applications.
- Nylon rods provide superior wear resistance.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic, with large lug teeth for excellent durability and wear life.
- Most sprockets use the split design, so shafts do not have to be removed for retrofits and changeovers.
- Designed for smooth, self-clearing, right angle transfers onto takeaway belts.
- Provides excellent lateral movement of PET, glass, and other containers. Provides excellent belt and sprocket durability, especially in tough, glass applications.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts.
- When moving products from transfer belt to takeaway belt, ensure the transfer belt surface is no more than 0.06 in (1.5 mm) above the takeaway belt surface. When product is moving from the infeed belt onto the transfer belt, ensure the belts surfaces are level.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	850	386	-50 to 200	-46 to 93	1.25	1.86

INTRALOX · STRAIGHT-RUNNING

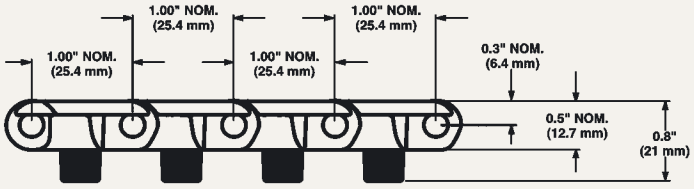
SERIES 1400 - 6 IN (152 MM) FLAT TOP MOLD TO WIDTH SELF-CLEARING EDGE

6 IN (152 MM) FLAT TOP MOLD TO WIDTH SELF-CLEARING EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	6	152
Width Increments	-	-
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- Belt is bi-directional. It can be used for left-hand and right-hand transfers.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- All sprockets are plastic.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Provides 100% self-clearing transfers of all container types, including energy drink cans, when used with finger transfer plates.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1000	454	-50 to 200	-46 to 93	1.08	1.61

INTRALOX · STRAIGHT-RUNNING

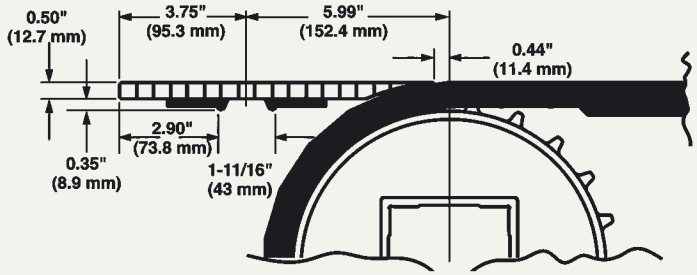
SERIES 1400 - ONEPIECE™ 9.3 IN (236 MM) LIVE TRANSFER FLAT TOP

ONEPIECE™ 9.3 IN (236 MM) LIVE TRANSFER FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	9.3	236
Width Increments	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, flat surface with fully flush edges.
- Transfer edge is an integral part of this belt.
- Tracking tabs support the belt in heavy, side-loading applications.
- Nylon rods provide superior wear resistance.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic, with large lug teeth for excellent durability and wear life.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Designed for smooth, self-clearing, right angle transfers onto takeaway belts.
- Provides excellent lateral movement of PET, glass, and other containers. Provides excellent belt and sprocket durability, especially in tough, glass applications.
- Addition of a fixed frame support can be necessary. The support ensures that the transfer belt does not snag when it intersects with the takeaway belt. Add support below the transfer belt, before the transfer. See S900, S1100, and S1400 ONEPIECE Live Transfer Belts.
- When moving products from transfer belt to takeaway belt, ensure the transfer belt surface is no more than 0.06 in (1.5 mm) above the takeaway belt surface. When product is moving from the infeed belt onto the transfer belt, ensure the belts surfaces are level.
- Tracking tab height: 0.35 in (8.9 mm).
- Tab spacing: 1.6875 in (43 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²

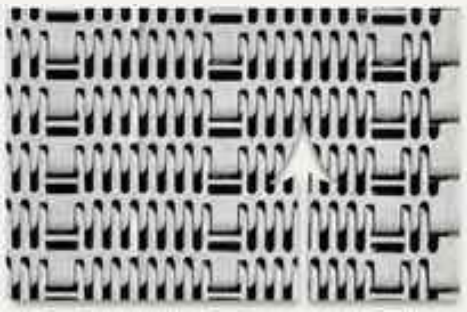
INTRALOX · STRAIGHT-RUNNING

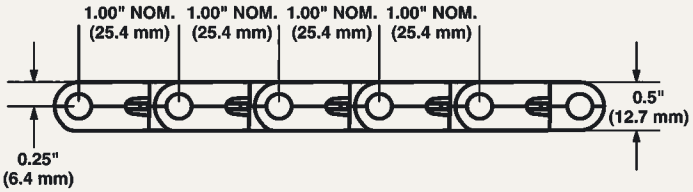
SERIES 1400 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.0	25.4
Minimum Width	9	229
Width Increments	1.0	25.4
Opening Size (approximate)	0.17 × 0.30	4.2 × 7.6
Open Area	21%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Polypropylene belts are grey with blue polypropylene Slidelox. Acetal belts are grey with yellow acetal Slidelox.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum sprocket spacing: 3 in (76.2 mm).
- Maximum recommended sprocket spacing: 6 in (152.4 mm).
- Installation is the same as current S1400 belts, with the addition of a locked sprocket location chart and preferred run direction.
- Recommended adjusted belt pull: greater than 900 lb/ft (1339 kg/m).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1800	2679	34 to 220	1 to 104	1.61	7.86
Polypropylene	Nylon	1800	2679	34 to 220	1 to 104	1.66	8.10
Acetal	Nylon	2500	3720	-50 to 200	-46 to 93	2.52	12.30

[1] Belt strength is divided by 2 when using 6 in (15.2 cm) sprocket spacing; full strength when using 3 in (7.6 cm) sprocket spacing.

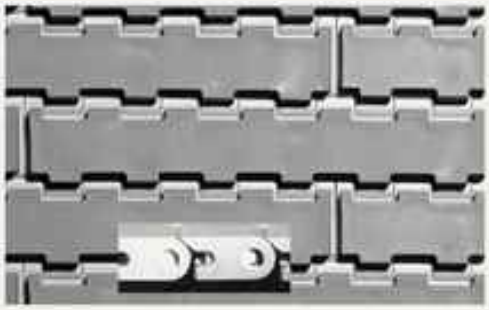
INTRALOX · STRAIGHT-RUNNING

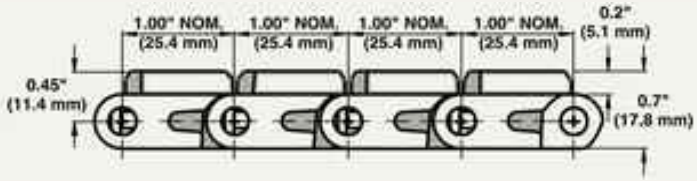
SERIES 1400 - FLAT FRICTION TOP

FLAT FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Available in grey polypropylene with grey rubber, grey polypropylene with black rubber, white polypropylene with white rubber, and black polyethylene with black rubber.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- If a center-drive conveyor design is used, it can be necessary to retain the belt laterally, by placing collars at the backbend roller, before the drive.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Standard indents for Friction Top surface: 2.0 in (50.8 mm) and 0.22 in (5.6 mm). Indent availability varies by material. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	1800	2678	34 to 150	1 to 66	2.62	12.79 · Base/Friction Color: Grey/grey · Friction Top Hardness: 64 Shore A · FDA (USA): · EU MC:
Polypropylene	Nylon	1800	2678	34 to 150	1 to 66	2.62	12.79 · Base/Friction Color: Grey/black · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC:

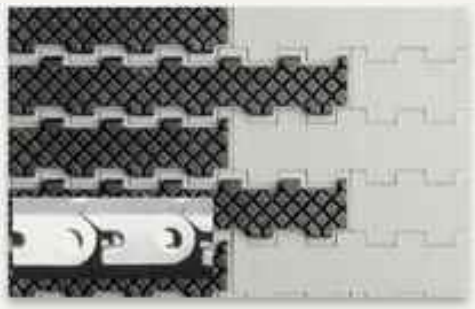
INTRALOX · STRAIGHT-RUNNING

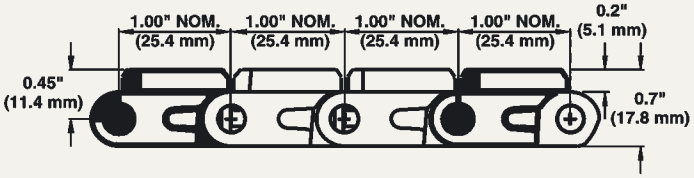
SERIES 1400 - SQUARE FRICTION TOP

SQUARE FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	6	152
Width Increments	1.00	25.4
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Available in grey polypropylene with black rubber and black polyethylene with black rubber.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- If a center-drive conveyor design is used, it can be necessary to retain the belt laterally, by placing collars at the backbend roller, before the drive.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Minimum nominal alternating edge indents: 2 in (51 mm) and 3 in (76 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
Polypropylene	Nylon	1800	2678	34 to 150	1 to 66	2.60	12.69 · Base/Friction Color: Grey/Black · Friction Top Hardness: 50 Shore A · FDA (USA): a · EU MC:
Polyethylene	Nylon	1000	1488	-50 to 120	-46 to 49	2.68	13.08 · Base/Friction Color: Black/Black · Friction Top Hardness: 50 Shore A · FDA (USA): a · EU MC:

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

INTRALOX · STRAIGHT-RUNNING

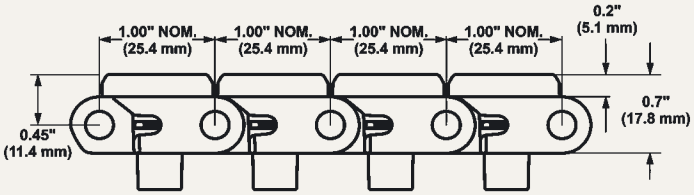
SERIES 1400 - 3.25 IN MOLD TO WIDTH FLAT FRICTION TOP WITH TABS

3.25 IN MOLD TO WIDTH FLAT FRICTION TOP WITH TABS

	IN	MM
Pitch	1.00	25.4
Molded Width	3.25	83
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Tracking tabs provide lateral tracking.
- Available in blue acetal with black rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets feature a split design so shafts do not have to be removed for retrofits and changeovers.
- One sprocket can be placed on the 3.25 in (83 mm) Mold To Width tabbed belt.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- Not recommended for product accumulation conditions.
- For information about friction values between product and belt, contact Uniking Customer Service
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Width tolerances: +0.000/-0.020 in (+0.000/-0.500 mm).
- Indent for Friction Top surface: 0.5 in (12.7 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	700	318	-10 to 130	-23 to 54	0.94	1.40 · Base/friction color: Blue/Black · Friction Top hardness: 54 Shore A · FDA (USA): See note.[1] · EU MC: See note.[2]

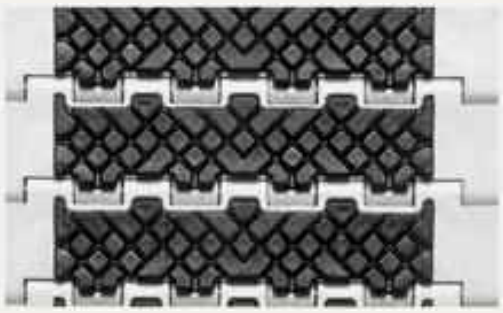
INTRALOX · STRAIGHT-RUNNING

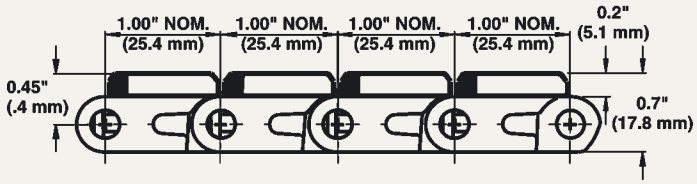
SERIES 1400 - MOLD TO WIDTH SQUARE FRICTION TOP

MOLD TO WIDTH SQUARE FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	6	152
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Available in grey polypropylene with black rubber.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets feature a split design so shafts do not have to be removed for retrofits and changeovers.
- Up to three sprockets can be placed on the 6.0 in (152 mm) mold to width belt.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- If a center-drive conveyor design is used, it can be necessary to retain the belt laterally, by placing collars at the backbend roller, before the drive.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Take these items into consideration when designing conveyors to use these belts.
- Width tolerances: +0.000/-0.020 in (+0.000/-0.500 mm).
- Rubber indent: 1.0 in (25.4 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	800	386	34 to 150	1 to 66	1.15	1.71 · Base/Friction Color: Grey/Black · Friction Top Hardness: 50 Shore A · FDA (USA): a · EU MC:

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.

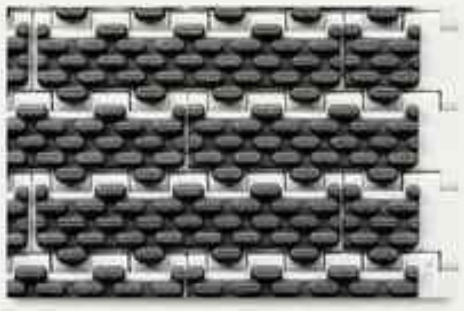
INTRALOX · STRAIGHT-RUNNING

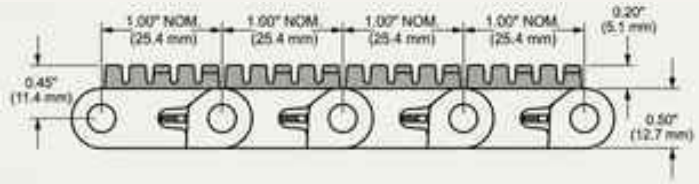
SERIES 1400 - OVAL FRICTION TOP

OVAL FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Available in grey polypropylene with black rubber.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- If a center-drive conveyor design is used, it can be necessary to retain the belt laterally, by placing collars at the backbend roller, before the drive.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Rubber indent: 1.0 in (25.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	1800	2678	34 to 150	1 to 66	2.29	11.18 · Base/Friction Color: Grey/Black · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC:

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.

INTRALOX · STRAIGHT-RUNNING

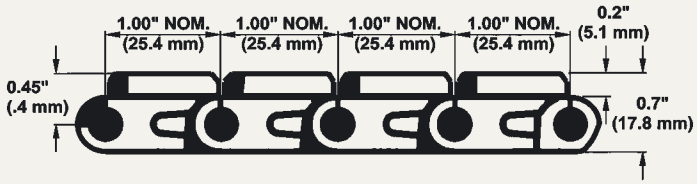
SERIES 1400 - MOLD TO WIDTH OVAL FRICTION TOP

MOLD TO WIDTH OVAL FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	6	152
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Available in grey polypropylene with black rubber.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets are all plastic.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Up to three sprockets can be placed on the 6.0 in (152 mm) mold to width belt.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- When using this belt on a center-drive conveyor, it can be necessary to retain the belt laterally, by placing collars at the backbend roller before the drive.
- Temperature, environmental conditions, and product characteristics affect the effective maximum degree of incline. Consider these factors when designing conveyor systems to use these belts.
- Width tolerances: +0.000/-0.020 in (+0.000/-0.500 mm).
- Rubber indent: 1.0 in (25.4 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	800	386	34 to 150	1 to 66	1.15	1.71 · Base/Friction Color: Grey/Black · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC:

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011.

INTRALOX · STRAIGHT-RUNNING

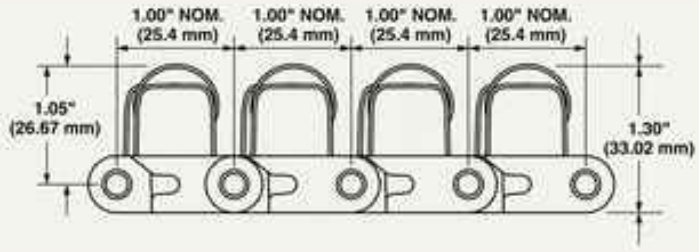
SERIES 1400 - ROLLER TOP

ROLLER TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Roller Diameter	0.70	17.8
Roller Length	0.83	21.0
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush edges.
- Available in white or grey acetal.
- 144 rollers per square foot of belt provide greater product-to-roller contact.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Stainless steel roller axle pins provide durability.
- Robust design offers excellent belt and sprocket durability.
- Allows low back-pressure accumulation for gentle product handling.
- Product accumulation load: 5%–10% of product weight.
- Roller spacing: 1 in (25.4 mm).
- Standard roller indent: 0.75 in (19 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2500	3720	-50 to 200	-46 to 93	5.83	28.47

INTRALOX · STRAIGHT-RUNNING

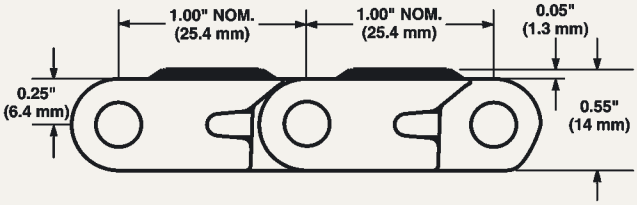
SERIES 1400 - NON SKID

NON SKID

	IN	MM
Pitch	1.00	25.4
Minimum Width	9	229
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Robust design offers excellent belt and sprocket durability.
- Diamond tread pattern provides a non-skid walking surface to increase safety.
- Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Edges have a Flat Top surface, without treads.
- Slidelox are available in polypropylene or acetal.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- 1.00 (25.4 mm) pitch accommodates small drive sprockets for low-profile people carriers.
- Minimum nominal alternating edge indents: 2 in (51 mm) and 3 in (76 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HSEC acetal	Nylon	1875	2790	-50 to 200	-46 to 93	2.78	13.57
Polypropylene	Nylon	1800	2678	34 to 220	1 to 104	2.32	11.33

INTRALOX · STRAIGHT-RUNNING

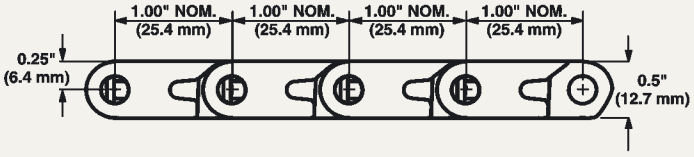
SERIES 1400 - EMBEDDED DIAMOND TOP

EMBEDDED DIAMOND TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	12.0	304.8
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Robust design offers excellent belt and sprocket durability.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Split sprockets are designed with thick, lug-style teeth for excellent durability and wear life.
- Minimum nominal alternating edge indents: 3 in (76 mm) and 4 in (102 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	1800	2678	34 to 220	1 to 104	1.70	8.30

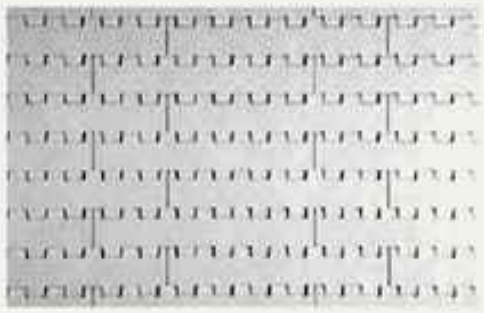
INTRALOX · STRAIGHT-RUNNING

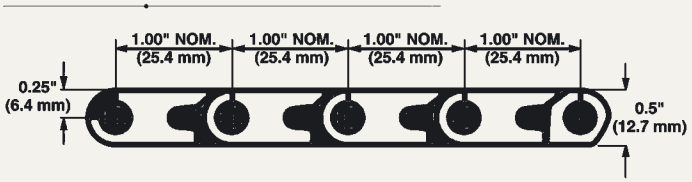
SERIES 1400 - FLAT TOP EASY RELEASE PLUS

FLAT TOP EASY RELEASE PLUS

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Easy Release PLUS material resists rubber adhesion and has minimal dimensional expansion when exposed to oil and heat.
- Slidelox are polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Provides excellent belt and sprocket durability, especially in tough-material handling applications.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Split sprockets are designed with thick, lug-style teeth for excellent durability and wear life.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Easy Release PLUS	Orange polypropylene (non-FDA)	1600	2380	34 to 220	1 to 104	2.00	9.78

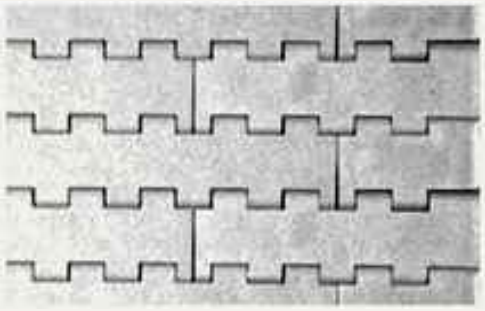
INTRALOX · STRAIGHT-RUNNING

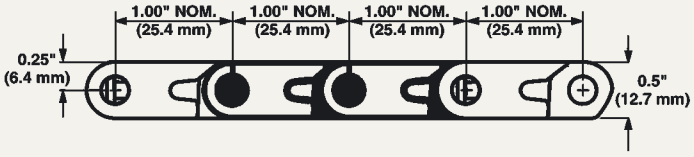
SERIES 1400 - FLAT TOP EASY RELEASE TRACEABLE POLYPROPYLENE

FLAT TOP EASY RELEASE TRACEABLE POLYPROPYLENE

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed surface with fully flush edges.
- Slidelox are detectable polypropylene.
- Sprockets are all plastic, with large, lug-style teeth for excellent durability and wear life.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Most sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Robust design offers excellent belt and sprocket durability, especially in tough glass applications.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Easy Release Traceable PP	Orange polypropylene (non-FDA)	1200	1790	34 to 220	1 to 104	1.86	9.08

INTRALOX · STRAIGHT-RUNNING

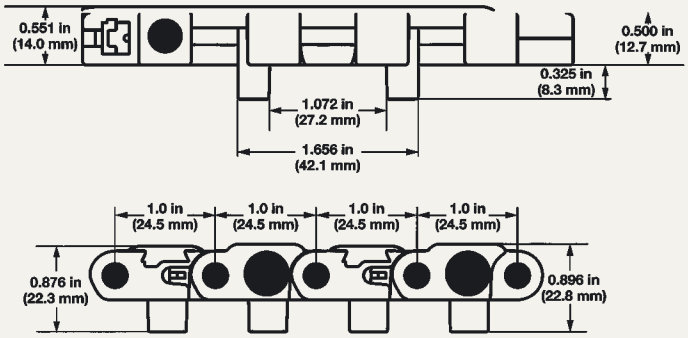
SERIES 1400 - PROTRAX™ WITH TABS

PROTRAX™ WITH TABS

	IN	MM
Pitch	1.00	25.4
Molded Widths	4.5	114.3
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Powerful magnets are embedded in the belts.
- Standard belt configuration consists of magnetic modules and S1400 Raised Flat Top modules alternating every other row to maximize wear resistance.
- Tracking tabs prevent lateral movement.
- Tabs fit into a straight track style carryway with 1.75 in (44.5 mm) spacing.
- Slidelox provide rod and cap retention.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Needs only one drive sprocket and one idle sprocket per belt strand.
- Sprockets are all plastic with stainless steel fasteners and large, lug-style teeth for excellent durability and wear life.
- Most sprockets feature a split design so shafts do not have to be removed for retrofits and changeovers.
- Ideal for incline, decline, vertical switch, pan indexing, and metering applications.
- Install belt strands to run in the same direction.
- Determine belt spacing based on maximum surface area contact with the bottom surface of the conveyed product.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	550	250	-50 to 200	-46 to 93	1.46	2.18
HHR nylon	Nylon	550	250	-50 to 310	-46 to 154	1.296	1.95

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

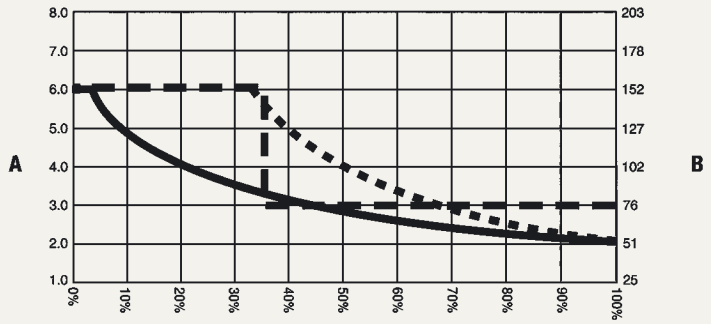
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
5	127	2	2	2
6	152	2	2	2
7	178	2	3	2
8	203	2	3	2
10	254	2	3	2
12	305	3	3	2
14	356	3	4	3
16	406	3	4	3
18	457	3	4	3
20	508	5	5	3
24	610	5	5	3
30	762	5	6	4
32	813	7	7	4
36	914	7	7	4
42	1067	7	8	5
48	1219	9	9	5
54	1372	9	10	6
60	1524	11	11	6
72	1829	12	13	7
84	2134	15	15	8
96	2438	17	17	9

For other widths, use an odd number of sprockets at Maximum 6 in (152 mm) centerline spacing.[3] — Carryway: Maximum 6 in (152 mm) centerline spacing. Returnway: Maximum 12 in (305 mm) centerline spacing.

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 5 in (127 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset. For Flush Grid, see Locked Sprocket Location chart in the Installation Instruction Guidelines.



SPROCKET SPACING AS A FUNCTION OF PERCENTAGE OF ALLOWABLE BELT STRENGTH UTILIZED

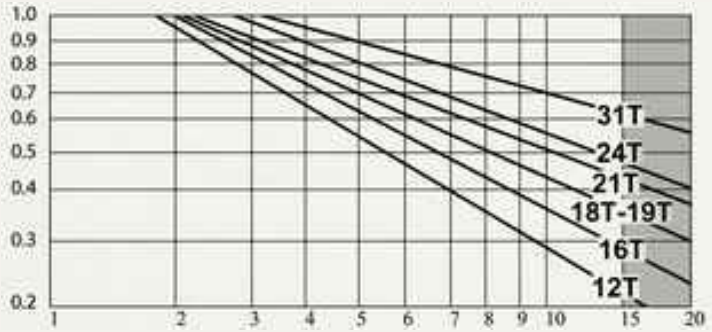
SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A Sprocket spacing, in

B Sprocket spacing, mm

Long dashed line: Flush Grid

Short dashed line: Round bores



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L), BY NUMBER OF TEETH

STRENGTH FACTOR

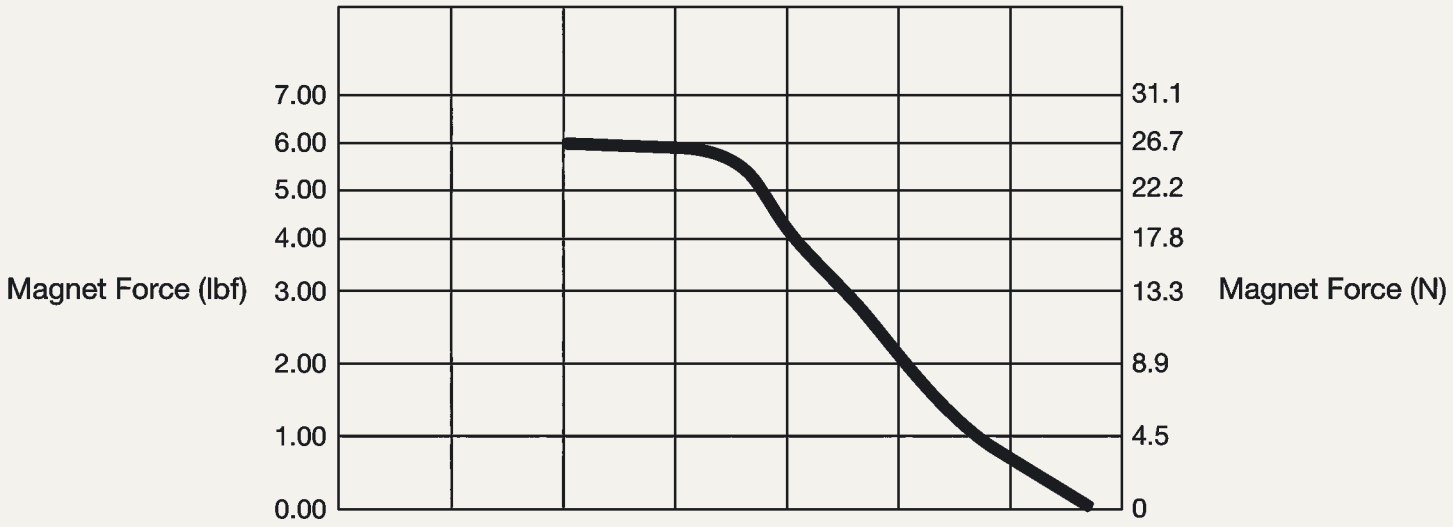
Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

S1400 PROTRAX WITH TABS



MAGNET FORCE VS. METAL THICKNESS – MAGNET FORCE (LBF) AND MAGNET FORCE (N) AGAINST METAL THICKNESS (STEEL GAUGE)

NOTE: Magnet force shows is typical for an aluminized steel product with a flat surface and maximum surface area contact. Results can vary, based on material and surface texture.

MACHINED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
18 (1.52%)	5.7	145	5.8	148	1.5	38			30, 40	



MACHINED SPROCKETS

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	3.9	99	3.9	99	1.5	38	-	1.5	-	40
15 (2.19%)	4.9	124	4.9	124	1.5	38		2.5		60
18 (1.52%)	5.7	145	5.8	148	1.5	38	2	2.5	50	60
24 (0.86%)	7.7	196	7.8	198	1.5	38		2.5		60

INTRALOX · STRAIGHT-RUNNING

SERIES 1400 (CONT.)



MOLDED SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

GLASS FILLED NYLON SPLIT SPROCKETS

GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND[1]	SQUARE	ROUND[2]	SQUARE
16 (1.92%)	5.1	130	5.2	132	2.0	51	1 to 2 in 1/16 increments	1.5	25 to 50 in 5 increments	40
18 (1.52%)	5.7	145	5.8	148	2.0	51	1 to 2 in 1/16 increments	1.5, 2.5	25 to 50 in 5 increments	40, 60
21 (1.12%)	6.7	170	6.8	172	2.0	51	1 to 2 in 1/16 increments[2]	1.5, 2.5	25 to 50 in 5 increments	40, 60

[1] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[2] Tight fit round bores are available in 1-1/4, 1-3/16, 1-1/2, and 1-7/16 in.



GLASS FILLED NYLON SPLIT SPROCKETS

MAXIMUM BELT RATING FOR GLASS FILLED NYLON ROUND BORE SPLIT SPROCKETS BASED ON ROUND BORE SIZE RANGE[3]

NO. OF TEETH	NOM. PITCH DIAMETER		1 IN - 1-3/16 IN		1-1/4 IN - 1-3/8 IN		1-7/16 IN - 1-3/4 IN		1-13/16 IN - 2 IN		25 MM - 35 MM		40 MM - 50 MM	
	IN	MM	LB/FT	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT	KG/M
16	5.1	130	1500	2232	1740	2589	2100	3125	2160	3214	1140	1697	2160	3214
18	5.7	145	1800	2679	2040	3036	2400	3572	3240	4822	1440	2143	2460	3661
21	6.7	170	1350	2009	1650	2455	2100	3125	3000	4464	1050	1563	2400	3572

[3] The belt rating based on round bore sprocket size is used to determine sprocket spacing as a function of belt strength utilized. It can also be used for all other calculations. However, if the rating for the belt material and belt style is lower then the belt rating based on the round bore sprocket size, then the lower rating must be used for all calculations other than sprocket spacing.

NYLON FDA SPLIT SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND IN[4]	SQUARE IN	ROUND MM[1]	SQUARE MM
12 (3.41%)	3.9	99	3.9	99	0.75	19	1.25	1.5		40
16 (1.92%)	5.1	130	5.2	132	1.5	38	1.25, 1.5	1.5	30	40
18 (1.52%)	5.7	145	5.8	148	1.5	38	1.25	1.5	25, 30, 40	40

[4] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[1] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

INTRALOX · STRAIGHT-RUNNING

SERIES 1400 (CONT.)



NYLON FDA SPLIT SPROCKETS

ENDURALOX POLYPROPYLENE COMPOSITE SPLIT SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND IN[5]	SQUARE IN	ROUND MM[1]	SQUARE MM
16 (1.92%)	5.1	130	5.2	132	2.0	51		1.5		40
18 (1.52%)	5.7	145	5.8	148	2.0	51		1.5, 2.5		40, 60
21 (1.12%)	6.7	170	6.8	172	2.0	51		1.5, 2.5		40
31 (0.51%)	9.9	251	10.1	257	2.0	51		3.5		

[5] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[1] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



ENDURALOX POLYPROPYLENE COMPOSITE SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

POLYURETHANE COMPOSITE SPLIT SPROCKET

POLYURETHANE COMPOSITE SPLIT SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
31	9.9	251	10.1	257	1.50	38		3.5		
(0.51%)					1.67	44		2.5[1]		

[1] The 2.5" square bore is created by using a bore adapter in the 3.5" square bore sprocket.



POLYURETHANE COMPOSITE SPLIT SPROCKET

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- The minimum indent is a function of belt width. Contact Uniking Customer Service for valid indent increments.

FLAT TOP BASE FLIGHTS (STREAMLINE)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.43	11	Easy Release Traceable polypropylene



STREAMLINE FLAT TOP BASE FLIGHT

SELF-CLEARING FINGER TRANSFER PLATES[2]

AVAILABLE WIDTH		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic

[2] Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490

INTRALOX · STRAIGHT-RUNNING

SERIES 1400 (CONT.)

- Consists of a finger transfer plate and a transfer edge belt that are designed to work together.
- Molded with robust tracking tabs for belt support in heavy side-loading conditions.
- Flat, smooth top surface provides excellent lateral movement of containers.
- Fully flush edges, headed rod retention system, and nylon rods for superior wear resistance.
- Eliminates the need for a sweeper bar, a pusher arm, or wide transfer plates. Transfers are smooth and 100% self-clearing, making right angle transfers possible for all container types.
- Ideal for warmer/cooler applications with frequent product changeovers.
- Bi-directional system allows same transfer belt use for both left-hand and right-hand transfers.
- Compatible with any series and style of Intralox belt on the discharge and infeed conveyors.
- Capable of transferring product to and from Series 400, Series 1200, and Series 1900 Raised Rib belts.
- Robust design for durability in tough, glass applications.
- Easily installed and secured to mounting plates of any thickness with stainless steel bolts and oval washers that allow movement with belt expansion and contraction.
- Stainless steel hardware is sold separately.



SELF-CLEARING FINGER TRANSFER PLATES IN SERVICE

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

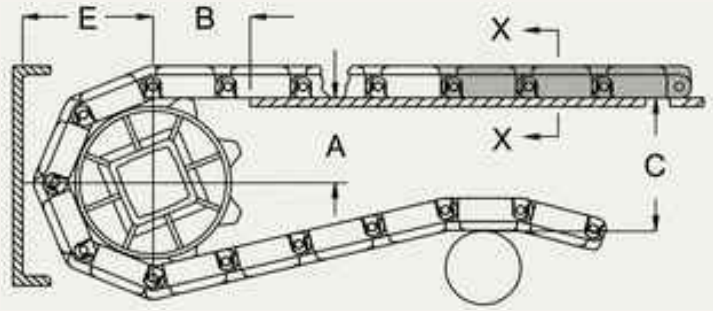
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

DIMENSION TOLERANCES

DIMENSION	TOLERANCE	DIMENSION	TOLERANCE
A	± 0.031 in (1 mm)	C	± (max.)
B	± 0.125 in (3 mm)	E	± (min.)

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1400 EMBEDDED DIAMOND TOP, FLAT TOP, FLUSH GRID										
3.9	99	12	1.62-1.68	41-43	1.80	46	3.86	98	2.24	57
4.9	124	15	2.10-2.15	53-55	2.06	52	4.81	122	2.72	69
5.1	130	16	2.26-2.32	57-59	2.11	54	5.13	130	2.88	73
5.7	145	18	2.59-2.63	66-67	2.22	56	5.76	146	3.19	81
6.7	170	21	3.07-3.10	78-79	2.44	62	6.71	170	3.75	95
7.7	196	24	3.55-3.58	90-91	2.64	67	7.66	195	4.14	105
9.9	251	31	4.67	119	3.07	78	9.88	251	5.25	133
S1400 FLAT FRICTION TOP, OVAL FRICTION TOP, SQUARE FRICTION TOP										
3.9	99	12	1.62-1.68	41-43	1.80	46	4.06	103	2.44	62
4.9	124	15	2.10-2.15	53-55	2.06	52	5.01	127	2.92	74
5.1	130	16	2.26-2.31	57-59	2.11	54	5.33	135	3.08	78
5.7	147	18	2.59-2.63	66-67	2.22	56	5.96	151	3.39	86
6.7	170	21	3.07-3.10	78-79	2.44	62	6.91	176	3.87	98
7.7	196	24	3.55-3.58	90-91	2.64	67	7.86	200	4.34	110
9.9	251	31	4.67	119	3.07	78	10.08	256	5.45	138
S1400 ROLLER TOP										
3.9	99	12	1.62-1.68	41-43	1.80	46	4.66	118	3.04	77
4.9	124	15	2.10-2.15	53-55	2.06	52	5.61	142	3.52	89
5.1	130	16	2.26-2.31	57-59	2.11	54	5.93	151	3.68	93
5.7	145	18	2.59-2.63	66-67	2.22	56	6.56	167	3.99	101
6.7	170	21	3.07-3.10	78-79	2.44	62	7.51	191	4.47	113
7.7	196	24	3.55-3.58	90-91	2.64	67	8.46	215	4.94	125
9.9	251	31	4.67	119	3.07	78	10.68	271	6.05	154
S1400 NON SKID, PROTRAX										
3.9	99	12	1.62-1.68	41-43	1.80	46	3.91	99	2.29	58
4.9	124	15	2.05-2.10	52-53	2.06	52	4.86	123	2.77	70
5.1	130	16	2.26-2.31	57-59	2.11	54	5.18	132	2.93	74
5.7	145	18	2.59-2.63	66-67	2.22	56	5.81	148	3.24	82

INTRALOX · STRAIGHT-RUNNING

SERIES 1400

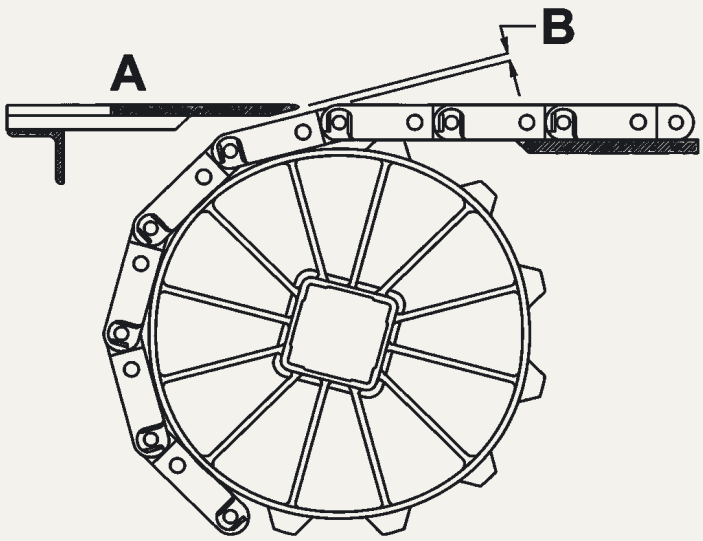
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
3.9	99	12	0.066	1.7
4.9	124	15	0.053	1.3
5.1	130	16	0.050	1.3
5.7	145	18	0.044	1.1
6.7	170	21	0.038	1.0
7.7	196	24	0.033	0.8
9.9	251	31	0.025	0.6

INTRALOX · STRAIGHT-RUNNING

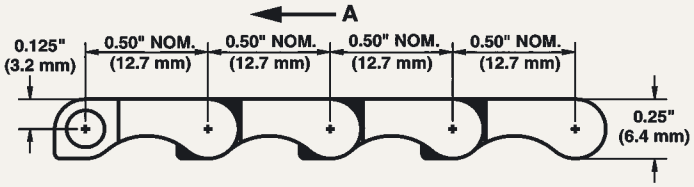
SERIES 1500 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	0.50	12.7
Minimum Width	8	203
Width Increments	0.50	12.7
Opening Sizes (approximate)	0.87 × 0.30	22.1 × 7.6
	0.66 × 0.30	16.8 × 7.6
Open Area	48%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface with fully flush edges.
- The detectable material has surface resistivity per ASTM_D257 of 545 Ohms per square.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Rod diameter: 0.140 in (3.6 mm).
- Designed for a 0.5 in (12.7 mm) diameter nosebar.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.140 IN (3.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	125	186	34 to 220	1 to 104	0.44	2.12
Polypropylene	Acetal	150	223	34 to 200	1 to 93	0.51	2.40
HR nylon	Nylon	175	260	-50 to 240	-46 to 116	0.58	2.83
HHR nylon	HHR nylon	175	260	-50 to 310	-46 to 154	0.58	2.83
Acetal	Acetal	240	357	-50 to 200	-46 to 93	0.73	3.56
Detectable acetal	Acetal	200	298	-50 to 200	-46 to 93	0.69	3.35
Detectable polypropylene A22	Acetal	80	119	0 to 150	-18 to 66	0.57	2.78
X-Ray Detectable Acetal[1]	Acetal	240	357	-50 to 200	-46 to 93	0.78	3.66

[1] *Designed specifically for detection by X-ray machines.*

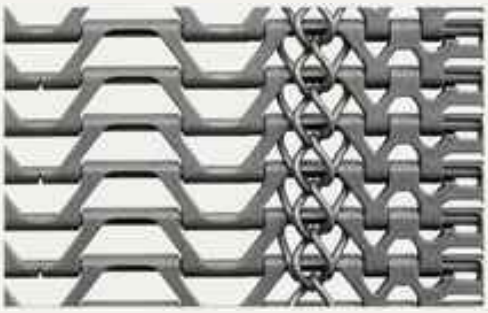
INTRALOX · STRAIGHT-RUNNING

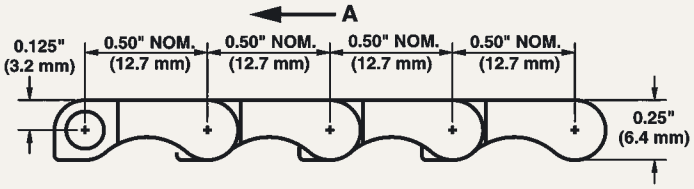
SERIES 1500 - FLUSH GRID WITH CONTAINED EDGE

FLUSH GRID WITH CONTAINED EDGE

	IN	MM
Pitch	0.50	12.7
Minimum Width	8	203
Width Increments	2.0	50.8
Minimum Opening Size (approximate)	0.87 × 0.30	22.1 × 7.6
Maximum Opening Size (approximate)	0.66 × 0.30	16.8 × 7.6
Open Area	48%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Always check with Customer Service for precise belt width measurement and stock status before designing a conveyor or ordering a belt.**
- Smooth upper surface with fully flush edges.
- Recessed rod retention feature provides superior rod containment.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Available in 2 in (50.8 mm) increments.
- Designed for a 0.5 in (12.7 mm) diameter nosebar.
- Rod diameter: 0.140 in (3.6 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.140 IN (3.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HR nylon	Nylon	175	260	-50 to 240	-46 to 116	0.58	2.83

INTRALOX · STRAIGHT-RUNNING

SERIES 1500

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
8	203	3	3	2
10	254	3	3	2
12	305	3	3	2
14	356	3	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
22	559	5	5	3
24	610	7	5	3
26	660	7	6	4
28	711	7	6	4
30	762	7	6	4
32	813	9	7	4
34	864	9	7	4
36	914	9	7	4
38	965	9	8	5
40	1016	11	8	5
42	1067	11	8	5
44	1118	11	9	5
46	1168	11	9	5
48	1219	13	9	5
50	1270	13	10	6
52	1321	13	10	6
54	1372	13	10	6
56	1422	15	11	6
58	1473	15	11	6
60	1524	15	11	6
62	1575	15	12	7
64	1626	17	12	7

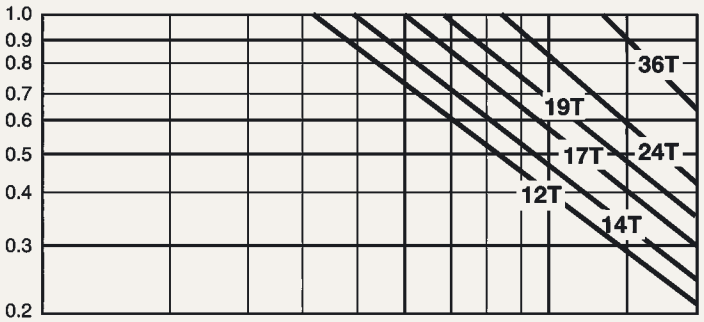
Sprockets: For other widths, use an odd number of sprockets at Maximum 4 in (102 mm) centerline spacing.[3]

Carryway wearstrips: Maximum 6 in (152 mm) centerline spacing. Returnway wearstrips: Maximum 12 in (305 mm) centerline spacing.

[1] Belts are available in 0.50 in (12.7 mm) increments beginning with 8 in (203 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. See Locked Sprocket Location chart in the Installation Instruction Guidelines for lockdown location.

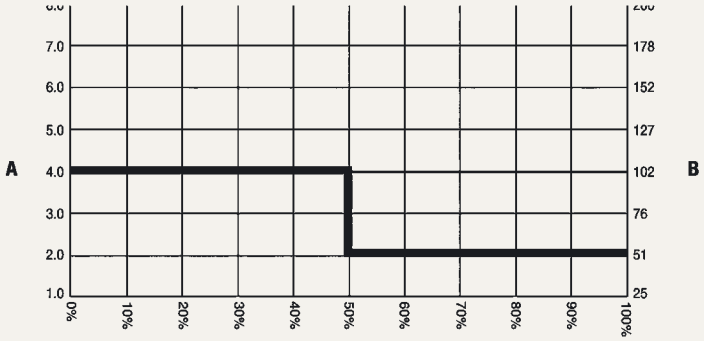


STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 12T, 14T, 17T, 19T, 24T AND 36T SPROCKETS

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



INTRALOX · STRAIGHT-RUNNING

SERIES 1500

MOLDED SPROCKET

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN[1]	SQUARE IN	ROUND MM[1]	SQUARE MM
10 (4.89%)	1.6	41	1.8	46	0.65	17		5/8		
12 (3.41%)	1.9	48	2.1	53	0.65	17	1	1.0	25	
14 (2.51%)	2.3	58	2.4	61	0.75	19	3/4, 1, 1-3/16, 1-1/4	1.0	25	
17 (1.70%)	2.7	69	2.9	73	0.75	19	3/4, 1, 1-3/16, 1-1/4, 1-3/8		25	
19 (1.36%)	3.1	79	3.2	82	0.75	19	1, 1-3/8			
24 (0.86%)	3.8	97	4.0	101	0.75	19	1	1.5	25	40
36 (0.38%)	5.7	145	5.9	150	0.75	19	1	1.5, 2		40

[1] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



MOLDED SPROCKET

NYLON FDA SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN[2]	SQUARE IN	ROUND MM[2]	SQUARE MM
24 (0.86%)	3.8	97	4.0	101	1.5	38				40
36 (0.38%)	5.7	145	5.9	150	1.5	38				40

[2] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.

INTRALOX · STRAIGHT-RUNNING

SERIES 1500 (CONT.)



NYLON FDA SPLIT SPROCKET

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent is a function of belt width. Minimum indent range: 3 in (76 mm) to 3.75 in (95 mm).

FLUSH GRID BASE FLIGHTS (STREAMLINE)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
1	25	Acetal, HR nylon



FLUSH GRID BASE FLIGHT (STREAMLINE)

INTRALOX · STRAIGHT-RUNNING

SERIES 1500

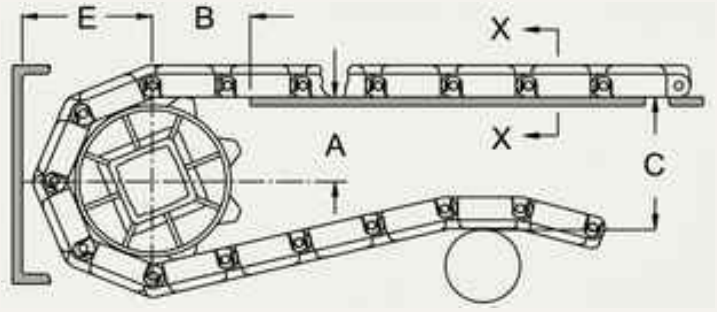
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X — A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1500 FLUSH GRID, FLUSH GRID WITH CONTAINED EDGE										
1.6	41	10	0.64-0.68	16-17	1.13	29	1.62	41	1.00	25
1.9	48	12	0.81-0.84	21	1.24	31	1.93	49	1.15	29
2.3	58	14	0.97-1.00	25	1.34	34	2.25	57	1.31	33
2.7	69	17	1.21-1.24	31	1.49	38	2.72	69	1.55	39
3.1	79	19	1.37-1.39	35	1.59	40	3.04	77	1.71	43
3.8	97	24	1.77-1.79	45	1.76	45	3.83	97	2.10	53
5.7	145	36	2.73-2.74	69-70	2.71	55	5.74	146	3.06	78

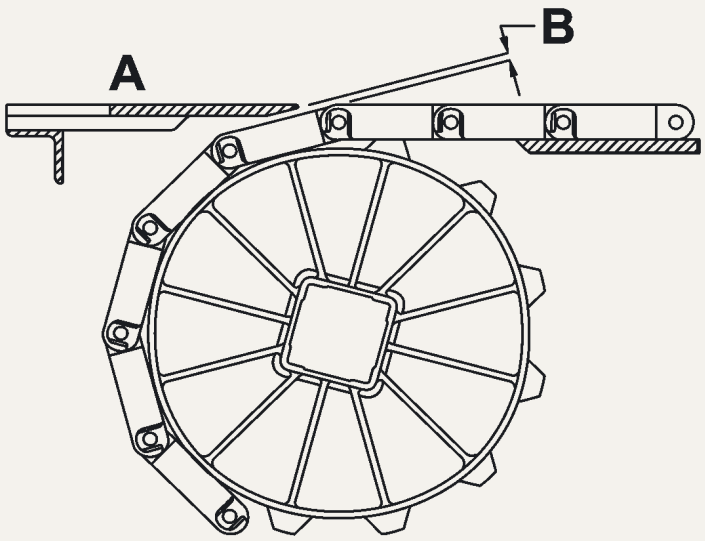
A ± 0.031 in (1 mm)
B ± 0.125 in (3 mm)
C ± (max.)
E ± (min.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
1.6	41	10	0.040	1.0
1.9	48	12	0.033	0.8
2.3	58	14	0.028	0.7
2.7	69	17	0.023	0.6

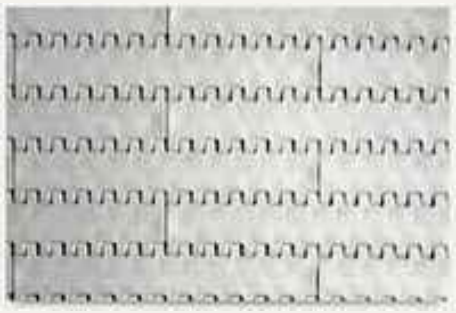
INTRALOX · STRAIGHT-RUNNING

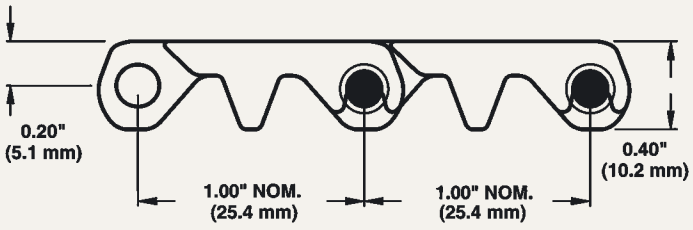
SERIES 1600 - OPEN HINGE FLAT TOP

OPEN HINGE FLAT TOP

	IN	MM
Pitch (nominal)	1.00	25.4
Minimum Width	5	127
Width Increments	0.50	12.7
Opening Size (approximate)	–	–
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Fully sculpted and radius corners.
- No pockets or sharp corners to catch and hold debris.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- The drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- No-Cling flights are available.
- Standard flight height: 4 in (102 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.05	5.13
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.10	5.37
Acetal	Polypropylene	1400	2100	34 to 200	1 to 93	1.58	7.71
Acetal	Polyethylene[1]	1000	1488	-50 to 150	-46 to 66	1.58	7.71

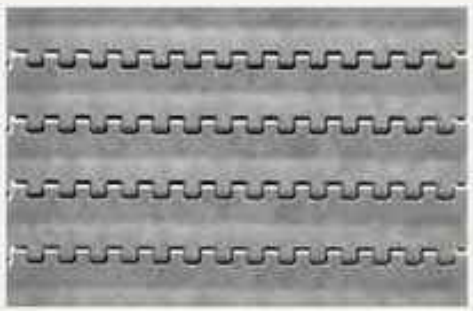
INTRALOX · STRAIGHT-RUNNING

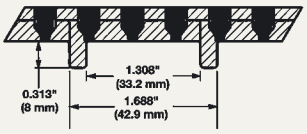
SERIES 1600 - MOLD TO WIDTH OPEN HINGE FLAT TOP

MOLD TO WIDTH OPEN HINGE FLAT TOP

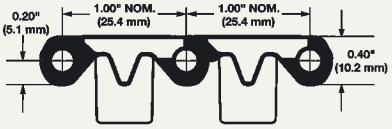
	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	190.5
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







Front view



Side view

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Tracking tabs provide lateral tracking.
- Uses recessed rods.
- Available in 10 ft (3 m) increments.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Do not use with sprockets smaller than a 3.9 in (99 mm) diameter (12 tooth) sprocket.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polyethylene	625	283	-50 to 150	-46 to 66	1.02	1.52

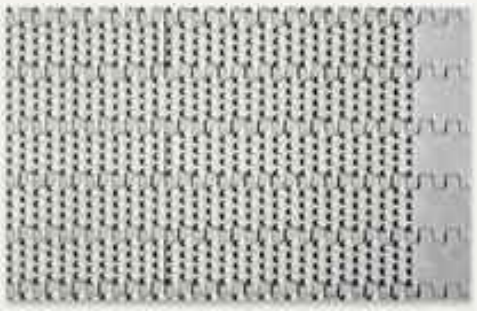
INTRALOX · STRAIGHT-RUNNING

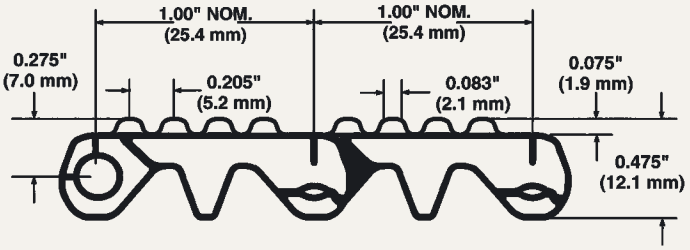
SERIES 1600 - NUB TOP

NUB TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	0.50	12.7
Open Area	0%	
Product Contact Area	10%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Not recommended for product accumulation conditions. Contact Uniking Customer Service for information about friction values between product and belt.
- Standard flights available in polypropylene, polyethylene, and acetal. Flights are molded as part of the belt, and can be cut to any size.
- Recommended for products large enough to span the distance between the nubs [0.250 in (6.35 mm)].
- Standard nub indent: 1.3 in (33.0 mm).
- Flight height: 4 in (102 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.13	5.52
Polyethylene	Polyethylene	350	520	-50 to 150	-46 to 66	1.18	5.76
Acetal	Polypropylene	1400	2100	34 to 200	1 to 93	1.74	8.49
Acetal	Polyethylene[1]	1000	1490	-50 to 150	-46 to 66	1.74	8.49
X-Ray Detectable Acetal	X-Ray Detectable Acetal	1400	2083	-50 to 200	-46 to 93	2.01	9.81

[1] Polyethylene rods can be used in cold applications when impacts or sudden starts/stops occur. Please note lower rating.

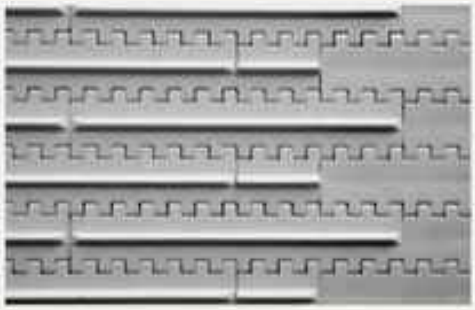
INTRALOX · STRAIGHT-RUNNING

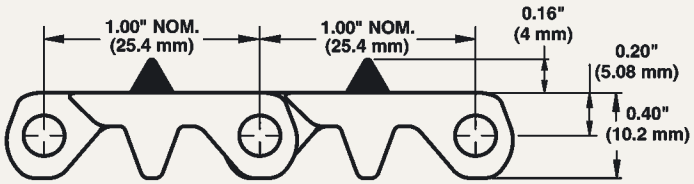
SERIES 1600 - MINI RIB

MINI RIB

	IN	MM
Pitch (nominal)	1.00	25.4
Minimum Width	5	127
Width Increments	0.50	12.7
Opening Size (approximate)	–	–
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- The drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- 0.16 in (4 mm) Mini Rib on surface accommodates gradual inclines and declines. Not recommended for product accumulation applications.
- No-Cling flights are available.
- Standard flight height: 4 in (102 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum nominal alternating edge indents: 1.5 in (38 mm) and 2 in (51 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	1.135	5.54
Acetal	Polypropylene	1400	2100	34 to 200	1 to 93	1.705	8.32

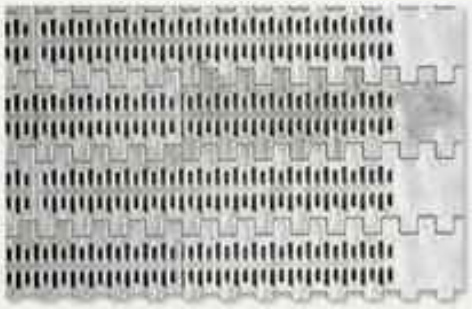
INTRALOX · STRAIGHT-RUNNING

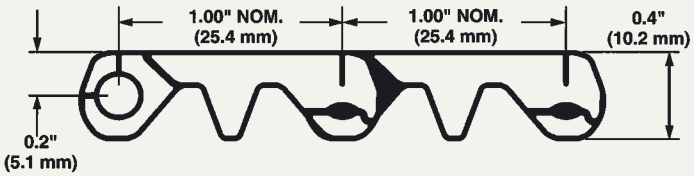
SERIES 1600 - MESH TOP

MESH TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	0.50	12.7
Minimum Opening Size (approximate)	0.06 × 0.12	1.5 × 3.0
Maximum Opening Size (approximate)	0.06 × 0.20	1.5 × 5.1
Open Area	16%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- The drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Standard Mesh Top indent: 1.0 in (25.4 mm).
- No-Cling flights are available.
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1200	1780	34 to 200	1 to 93	1.40	6.84
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.94	4.59
LMAR	HR nylon	1100	1637	0 to 212	-18 to 100	1.18	5.76

INTRALOX · STRAIGHT-RUNNING

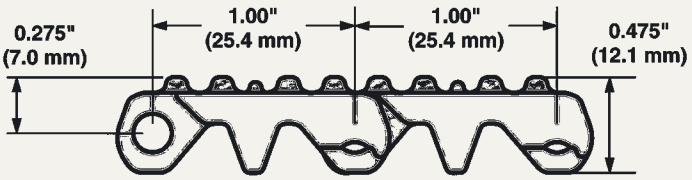
SERIES 1600 - MESH NUB TOP

MESH NUB TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Width Increments	0.50	12.7
Minimum Opening Size (approximate)	0.06 × 0.12	1.5 × 3.0
Maximum Opening Size (approximate)	0.06 × 0.20	1.5 × 5.1
Open Area	16%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- The drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Standard Mesh Nub Top indent: 1.0 in (25.4 mm).
- No Cling flights are available.
- Standard flight height: 4 in (102 mm).
- Custom flight heights are available. Contact Uniking Customer Service for more information.

BELT DATA

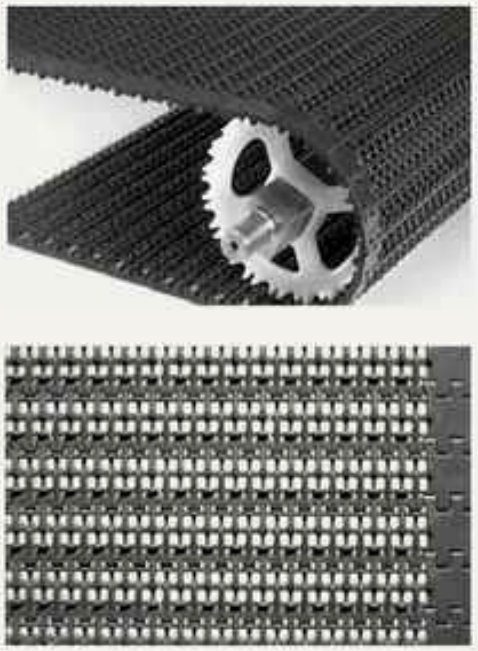
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	1200	1780	34 to 200	1 to 93	1.45	7.08
Polypropylene	Polypropylene	700	1040	34 to 220	1 to 104	0.98	4.81

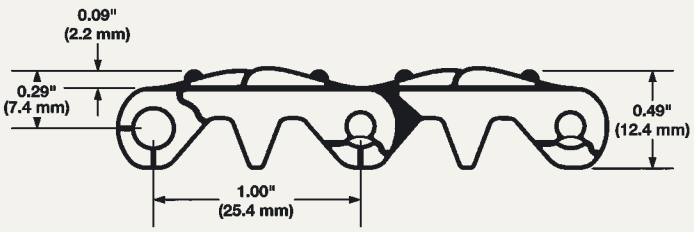
INTRALOX · STRAIGHT-RUNNING

SERIES 1600 - RAISED OPEN GRID

RAISED OPEN GRID

	IN	MM
Pitch	1.00	25.4
Minimum Width	5	127
Maximum Width	60	1524
Width Increments	0.50	12.7
Opening Size (approximate)	0.20 × 0.16	5.1 × 4.1
Open Area	28%	
Minimum Open Area	n/a	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	





PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Open area is designed to limit water film formation and maximize water drainage.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Like S800 and S1800, the drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Standard indent: 1 in (25.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Polypropylene	800	1190	34 to 200	1 to 93	1.32	6.44
Polypropylene	Polypropylene	400	595	34 to 220	1 to 104	0.89	4.35
Polyethylene	Polyethylene	200	298	-50 to 150	-46 to 66	0.92	4.49

INTRALOX · STRAIGHT-RUNNING

SERIES 1600

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

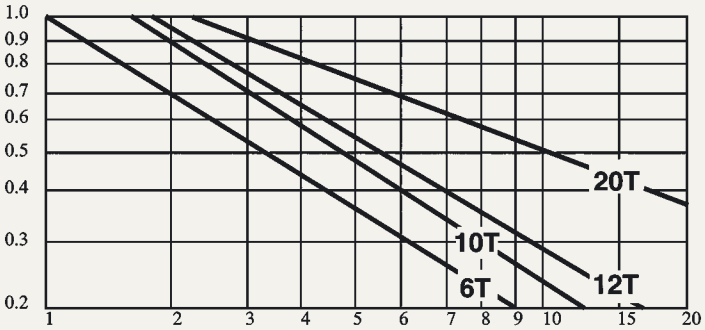
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
5	127	2	2	2
6	152	2	2	2
7	178	2	3	2
8	203	3	3	2
9	229	3	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	4
42	1067	11	8	5
48	1219	13	9	5
54	1372	15	10	6
60	1524	15	11	6
72	1829	19	13	7
84	2134	21	15	8
96	2438	25	17	9
120	3048	31	21	11
144	3658	37	25	13

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[3] | Carryway: maximum 6 in (152 mm) centerline spacing. | Returnway: maximum 12 in (305 mm) centerline spacing.

[1] Belts are available in 0.50 in (12.7 mm) increments beginning with 5 in (127 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

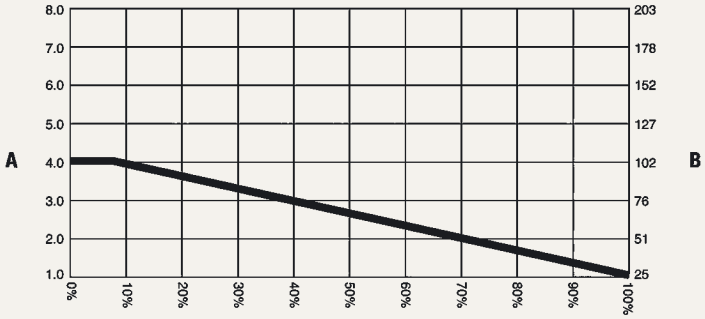
[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 6T, 10T, 12T AND 20T SPROCKETS

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A SPROCKET SPACING, IN; B SPROCKET SPACING, MM

INTRALOX · STRAIGHT-RUNNING

SERIES 1600

EZ CLEAN™ SPROCKET1

EZ CLEAN™ SPROCKET[1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN[2]	SQUARE IN	ROUND MM[2]	SQUARE MM
6 (13.40%)	2.0	51	1.8	46	1.0	25	1.0		25	
10 (4.89%)	3.2	81	3.2	81	1.0	25	1.0	1.5	25	40
12 (3.41%)	3.9	99	3.8	97	1.0	25		1.5		40
20 (1.23%)	6.4	163	6.4	163	1.0	25		1.5		40

[1] When using polyurethane sprockets, the belt strength for belts rated over 500 lb/ft (744 kg/m) is de-rated to 500 lb/ft (744 kg/m). All other belts maintain the published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).

[2] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



EZ CLEAN™ SPROCKET

ANGLED EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
12 (3.41%)	3.9	99	3.8	97	2.0	50.8		1.5		40
16 (1.92%)	5.2	132	5.1	130	2.0	50.8		1.5		40
20 (1.23%)	6.4	163	6.4	163	2.0	50.8		1.5		40



ANGLED EZ CLEAN™ SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1600 (CONT.)

UHMW POLYETHYLENE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
16 (1.92%)	5.3	135	5.1	130	1.0	25				40



UHMW POLYETHYLENE SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1600

OPEN HINGE FLAT TOP BASE FLIGHT (NO-CLING)

OPEN HINGE FLAT TOP BASE FLIGHT (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4.0	102	Acetal, polyethylene, polypropylene, X-Ray Detectable Acetal



OPEN HINGE FLAT TOP BASE FLIGHT (NO-CLING)

- The No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Minimum indent: 1.0 in (25.4 mm)
- Flights can be cut down to custom heights. Minimum height: 0.25 in (6.4 mm).



MESH NUB TOP BASE FLIGHTS (NO-CLING)

MESH NUB TOP BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4.0	102	Acetal, polyethylene

- The No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent: 1.0 in (25.4 mm).

SIDEGUARDS

AVAILABLE SIZES		AVAILABLE MATERIALS
IN	MM	
2	51	Polypropylene
3	76	



SIDEGUARDS

- Standard sideguard orientation is angled inward toward the product (product friendly). If needed, sideguards can be angled outward toward the conveyor.
- When going around the 6 and 10 tooth sprocket, sideguards fan out, opening a gap at the top of the sideguard that can allow small products to fall out. The sideguards stay completely closed when going around the 12, 16, and 20 tooth

INTRALOX · STRAIGHT-RUNNING

SERIES 1600

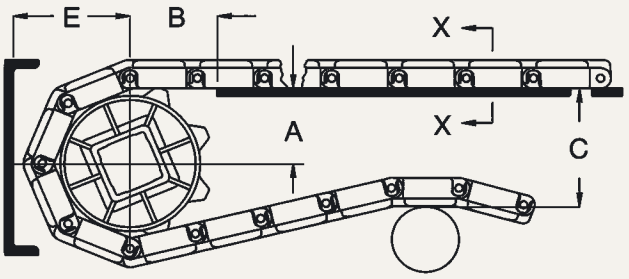
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



A ± 0.031 in (1 mm)
B ± 0.125 in (3 mm)
C ± (max.)
E ± (min.)

CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1600 MESH TOP, OPEN HINGE FLAT TOP										
2.0	51	6	0.67-0.80	17-20	1.10	28	2.00	51	1.26	32
3.2	81	10	1.34-1.42	34-36	1.56	40	3.24	82	1.88	48
3.9	99	12	1.67-1.73	42-44	1.70	43	3.86	98	2.19	56
5.2	132	16	2.31-2.36	59-60	1.99	51	5.13	130	2.83	72
6.4	163	20	2.96-3.00	75-76	2.25	57	6.39	162	3.46	88
S1600 MESH NUB TOP, NUB TOP										
2.0	51	6	0.67-0.80	17-20	1.10	28	2.08	53	1.34	34
3.2	81	10	1.34-1.42	34-36	1.56	40	3.31	84	1.96	50
3.9	99	12	1.67-1.73	42-44	1.70	43	3.94	100	2.27	58
5.2	132	16	2.31-2.36	59-60	1.99	51	5.13	130	2.83	72
6.4	163	20	2.96-3.00	75-76	2.25	57	6.47	164	3.53	90
S1600 MINI RIB										
2.0	51	6	0.67-0.80	17-20	1.10	28	2.16	55	1.42	36
3.2	81	10	1.34-1.42	34-36	1.56	40	3.40	86	2.04	52
3.9	99	12	1.67-1.73	42-44	1.70	43	4.02	102	2.35	60
5.2	132	16	2.31-2.36	59-60	1.99	51	5.13	130	2.83	72
6.4	163	20	2.96-3.00	75-76	2.25	57	6.55	166	3.62	92

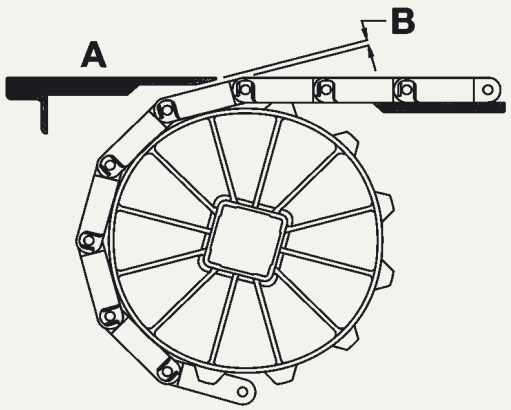
Tolerances: A ± 0.031 in (1 mm) B ± 0.125 in (3 mm) C ± (max.) E ± (min.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt,



surface of dead plate

INTRALOX · STRAIGHT-RUNNING

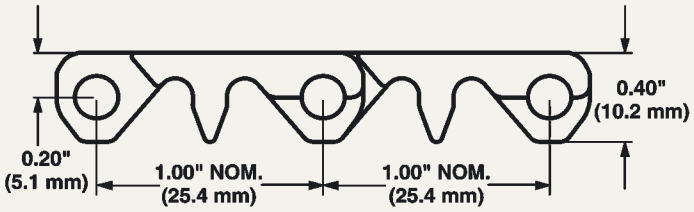
SERIES 1650 - SEAMFREE™ MINIMUM HINGE FLAT TOP

SEAMFREE™ MINIMUM HINGE FLAT TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	1.00	25.4
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Fully sculpted and radiused corners with no pockets or sharp corners to catch and hold debris.
- Belts over 18 in (457 mm) are built with multiple modules per row, but seams are minimized.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets. This exclusive Intralox feature allows unsurpassed cleaning access to this area.
- The drive bar on the underside of this belt combines with a patent-pending flume feature to channel water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for use with S1600 Angled EZ Clean sprockets. Also compatible with standard S1600 EZ Clean sprockets.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	350	520	-50 to 200	-46 to 93	1.47	7.18
Acetal	Polypropylene	325	480	34 to 200	1 to 93	1.40	6.84
Acetal	Polyethylene	225	330	-50 to 150	-46 to 66	1.40	6.83

INTRALOX · STRAIGHT-RUNNING

SERIES 1650

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

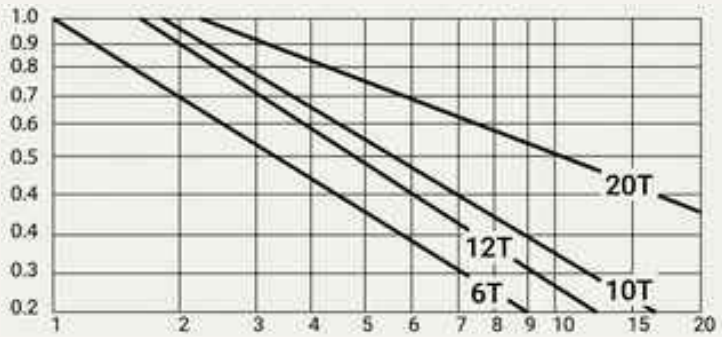
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
4	102	2	2	2
5	127	2	2	2
6	152	2	2	2
7	178	2	3	2
8	203	3	3	2
9	229	3	3	2
10	254	3	3	2
12	305	3	3	2
14	356	5	4	3
15	381	5	4	3
16	406	5	4	3
18	457	5	4	3
20	508	5	5	3
24	610	7	5	3
30	762	9	6	4
32	813	9	7	4
36	914	9	7	4
42	1067	11	8	5
48	1219	13	9	5
54	1372	15	10	6
60	1524	15	11	6
72	1829	19	13	7
84	2134	21	15	8
96	2438	25	17	9
120	3048	31	21	11
144	3658	37	25	13

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[3] Carryway wearstrips: maximum 6 in (152 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.

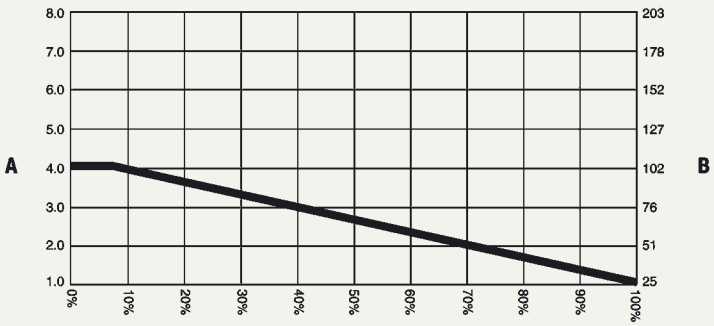
[1] Belts are available in 1.0 in (25.4 mm) increments beginning with 4 in (101.6 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only.



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) — 6T, 10T, 12T, 20T



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Strength Factor: Divide belt speed (V) by the shaft centerline distance (L). Strength factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information. V = ft/min (m/min); T = number of teeth; L = ft (m)

Sprocket Spacing as a Function of Belt Strength Utilized: horizontal axis = percentage of allowable belt strength utilized. A Sprocket spacing, in. B Sprocket spacing, mm.

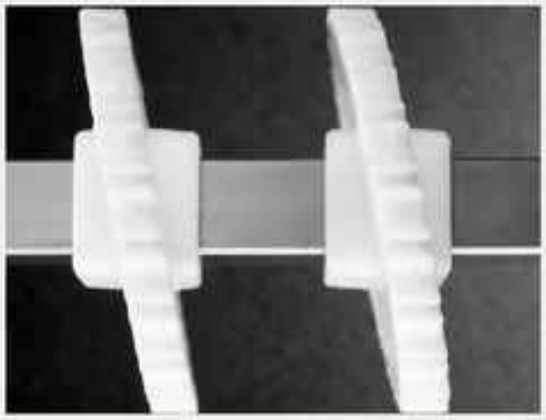
INTRALOX · STRAIGHT-RUNNING

SERIES 1650

ANGLED EZ CLEAN™ SPROCKET

ANGLED EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	3.9	99	3.8	97	2.0	50.8		1.5		40
16 (1.92%)	5.2	132	5.1	130	2.0	50.8		1.5		40
20 (1.23%)	6.4	163	6.4	163	2.0	50.8		1.5		40



ANGLED EZ CLEAN™ SPROCKET

MINIMUM HINGE FLAT TOP BASE FLIGHTS (DOUBLE NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
3.0	76.2	Acetal



MINIMUM HINGE FLAT TOP BASE FLIGHTS (DOUBLE NO-CLING)

- The No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Flights can be cut down to a minimum height of 0.5 in (12.7 mm).
- Flights of even-inch widths come standard with 1 in (25.4 mm) indents. Flights of odd-inch widths are available for retrofits and require machined indents, which have contain marks and evidence of modification.

INTRALOX · STRAIGHT-RUNNING

SERIES 1650

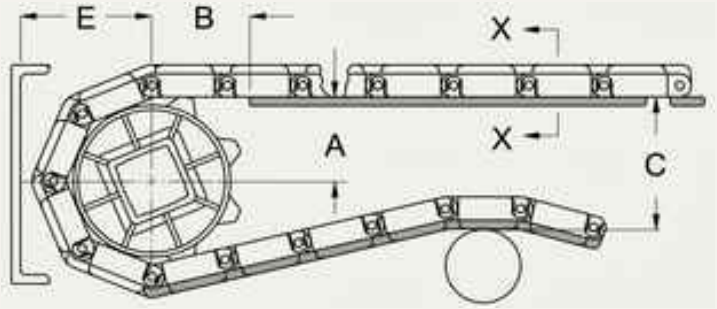
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C AND E — A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1650 SEAMFREE MINIMUM HINGE FLAT TOP										
2.0	51	6	0.67-0.80	17-20	1.10	28	2.00	51	1.26	32
3.2	81	10	1.34-1.42	34-36	1.56	40	3.24	82	1.88	48
3.9	99	12	1.67-1.73	42-44	1.70	43	3.86	98	2.19	56
5.2	132	16	2.31-2.36	59-60	1.99	51	5.13	130	2.83	72
6.4	163	20	2.96-3.00	75-76	2.25	57	6.40	163	3.46	88

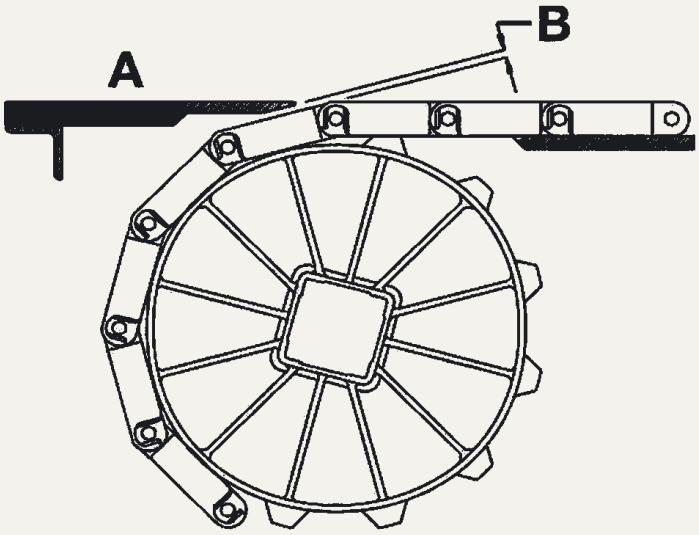
Tolerances: A ± 0.031 in (1 mm); B ± 0.125 in (3 mm); C ± (max.); E ± (min.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP — A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
2.0	51	6	0.134	3.4
3.2	81	10	0.079	2.0
3.9	99	12	0.066	1.7
6.4	163	20	0.039	1.0

INTRALOX · STRAIGHT-RUNNING

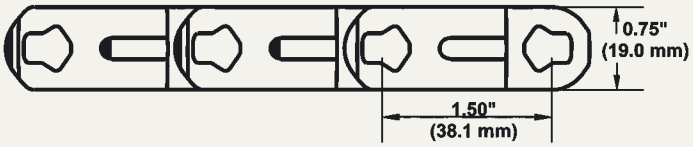
SERIES 1700 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.50	38.1
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size (approximate)	0.62 × 0.50	15.7 × 12.7
	0.70 × 0.26	17.8 × 6.6
Open Area	37%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Slidelox are highly visible, orange acetal.
- Multi-rod hinge design significantly reduces cam shaft requirements. Every row contains two rectangular rods.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ultra-abrasion-resistant polyurethane sprockets with large lug teeth.
- Abrasion resistant system lasts 2.5 to 3 times longer than conventional modular plastic belts.
- Provides excellent belt and sprocket durability, especially in tough material-handling applications.
- Conveyor requirements: Intralox recommends steel carryways with either a chevron pattern or a flat continuous carryway. Do not use straight, parallel wearstrips. Do not use on pusher conveyors.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 × 0.17 IN (6.4 × 4.3 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
AR nylon	Nylon	1800	2678	-50 to 240	-46 to 116	2.21	10.78
Detectable nylon	Nylon	1500	2232	-50 to 180	-46 to 82	2.28	11.13
Low Wear Plus	Low Wear Plus	500	744	0 to 120	-18 to 49	2.56	12.50

[1] Sprocket temperatures must be limited to -40°F to 160°F (-40°C to 70°C). Belt used in temperature range of 212°F to 240°F (100°C to 116°C) are not FDA-compliant.

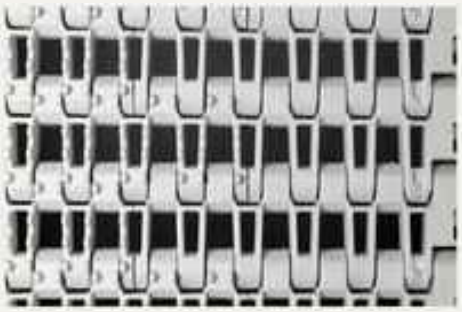
INTRALOX · STRAIGHT-RUNNING

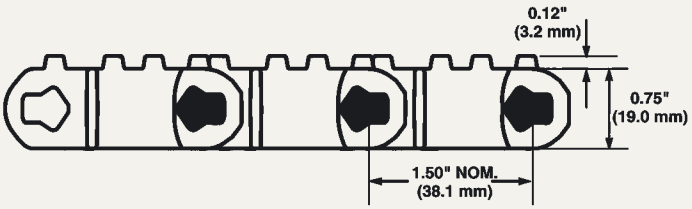
SERIES 1700 - FLUSH GRID NUB TOP

FLUSH GRID NUB TOP

	IN	MM
Pitch	1.50	38.1
Minimum Width	16	406.4
Width Increments	1.00	25.4
Opening Size (approximate)	0.70 × 0.26	18 × 7
Open Area	37%	
Product Contact Area	8%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Slidelox are highly visible, orange acetal.
- Multi-rod hinge design significantly reduces cam shaft requirements. Every row contains two rectangular rods.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ultra-abrasion-resistant, polyurethane split sprockets with large lug teeth.
- Abrasion resistant system lasts 2.5 to 3 times longer than conventional modular plastic belts.
- Provides excellent belt and sprocket durability, especially in tough-material handling applications.
- Conveyor requirements: Intralox recommends steel carryways with either a chevron pattern or a flat continuous carryway. Do not use straight, parallel wearstrips. Do not use on pusher conveyors.
- Minimum nominal alternating edge indents: 4 in (102 mm) and 6 in (152 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 × 0.17 IN (6.4 × 4.3 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
AR nylon	Nylon	1800	2678	-50 to 240	-46 to 116	2.21	10.78
Easy Release Traceable PP	Nylon	1500	2230	34 to 220	1 to 104	1.84	8.98
Low Wear Plus	Low Wear Plus	500	744	0 to 120	-18 to 49	2.58	12.60

Sprocket temperatures must be limited to -40°F to 160°F (-40°C to 70°C). Belt used in temperature range of -212°F to 240°F (100°C to 116°C) are not FDA-compliant.

INTRALOX · STRAIGHT-RUNNING

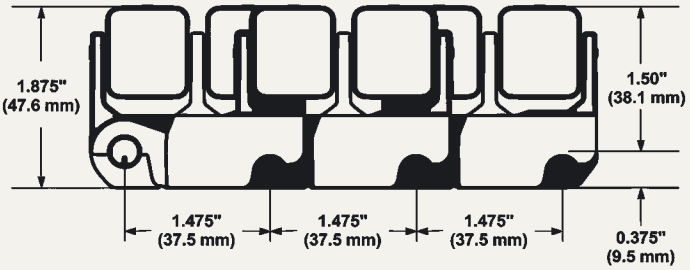
SERIES 1700 - TRANSVERSE ROLLER TOP™ (TRT™)

TRANSVERSE ROLLER TOP™ (TRT™)

	IN	MM
Pitch	1.475	37.5
Minimum Width	12	304.8
Width Increments	2.00[1]	50.8
Minimum Opening Size (approximate)	0.62 × 0.50	16 × 13
Maximum Opening Size (approximate)	0.70 × 0.26	18 × 7
Open Area	26%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Roller axles are stainless steel for durability and long-lasting performance.
- Must be assembled in two-row increments.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ultra-abrasion-resistant, polyurethane split sprockets with large lug teeth.
- Split sprockets are available.
- Provides excellent belt and sprocket durability, especially in tough-material handling applications.
- Roller diameter: 0.95 in (24.1 mm).
- Roller length: 0.825 in (21 mm).
- Roller spacing: 1.0 in (25.4 mm).
- Minimum return roller diameter: 6.0 in (152.4 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.312 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2200	3270	34 to 200	1 to 93	4.70	22.96

[1] Available in width increments of 2 in (50.8 mm) except 14 in (356 mm) wide belt not available.

INTRALOX · STRAIGHT-RUNNING

SERIES 1700

SPROCKET AND SUPPORT QUANTITY REFERENCE — FLUSH GRID AND FLUSH GRID NUB TOP

SPROCKET AND SUPPORT QUANTITY REFERENCE FLUSH GRID AND FLUSH GRID NUB TOP

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]
IN	MM	
5	127	2
6	152	2
7	178	3
8	203	3
9	229	3
10	254	3
12	305	3
14	356	3
15	381	3
16	406	5
18	457	5
20	508	5
24	610	5
30	762	7
32	813	9
36	914	11
42	1067	13
48	1219	15
54	1372	17
60	1524	19
72	1829	23
84	2134	27
96	2438	31
120	3048	39
144	3658	47

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[3]

[1] Belts are available in 1.00 in (25.4 mm) increments, beginning at 5 in (127 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.

WEARSTRIPS

CARRYWAY	RETURNWAY
Place wearstrips in a chevron pattern or use a flat continuous carryway. Do not use straight, parallel wearstrips.	Place wearstrips in a chevron pattern or use a flat continuous returnway. Do not use straight, parallel wearstrips.
Maximum 6 in (152 mm) centerline spacing	Maximum 12 in (305 mm) centerline spacing

INTRALOX · STRAIGHT-RUNNING

SERIES 1700

SPROCKET AND SUPPORT QUANTITY REFERENCE — TRANSVERSE ROLLER TOP

SPROCKET AND SUPPORT QUANTITY REFERENCE TRANSVERSE ROLLER TOP

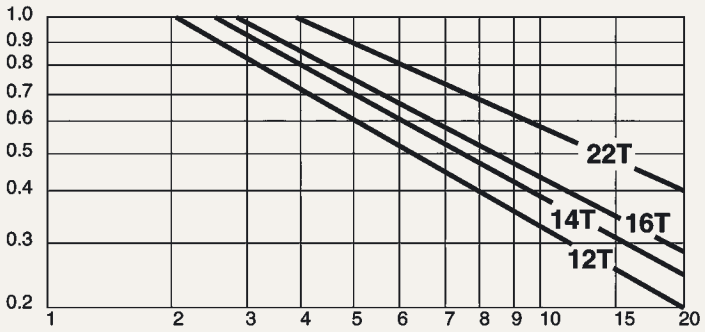
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
5	127	2	2	2
6	152	2	2	2
7	178	3	2	2
8	203	3	2	2
9	229	3	3	2
10	254	3	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	5	3	3
18	457	5	3	3
20	508	5	4	3
24	610	5	4	3
30	762	7	5	4
32	813	7	5	4
36	914	9	5	4
42	1067	9	6	5
48	1219	11	7	5
54	1372	11	7	6
60	1524	13	8	6
72	1829	15	9	7
84	2134	17	11	8
96	2438	21	12	9
120	3048	25	15	11
144	3658	29	17	13

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing.[3] Carryway: maximum 6 in (152 mm) centerline spacing. Returnway: maximum 12 in (305 mm) centerline spacing.

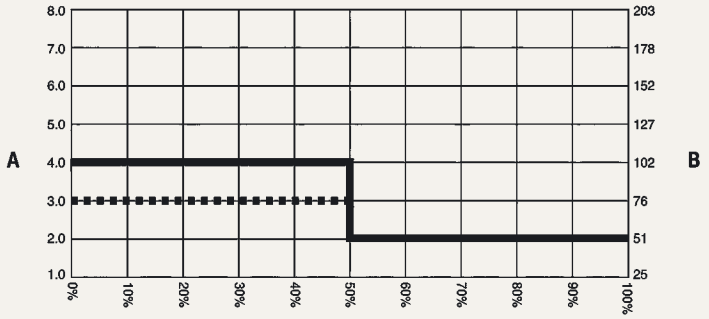
[1] Belts are available in 1.00 in (25.4 mm) increments beginning with 5 in (127 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 12T, 14T, 16T AND 22T SPROCKETS



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A Sprocket spacing, in

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 1700

ULTRA ABRASION RESISTANT POLYURETHANE SPROCKETS

ULTRA ABRASION RESISTANT POLYURETHANE SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	5.8	147	5.85	149	1.5	38		1.5		40
14 (2.51%)	6.7	170	6.80	173	1.5	38		1.5		40
16 (1.92%)	7.7	196	7.74	197	1.5	38		1.5		40
								2.5		60
22 (1.02%)	10.5	267	10.59	269	1.5	38		2.5		



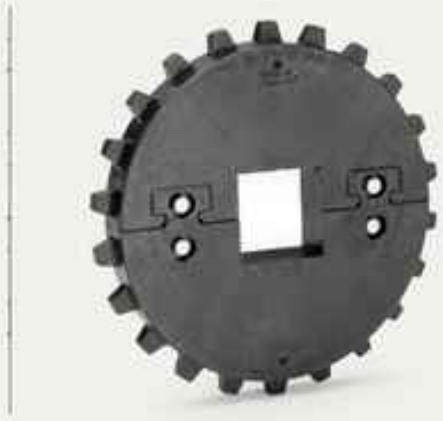
ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

ULTRA ABRASION RESISTANT POLYURETHANE SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
14 (2.51%)	6.7	170	6.80	173	1.5	38		1.5		40
								2.5		60
16 (1.92%)	7.7	196	7.74	197	1.5	38		1.5		40
								2.5		60
22 (1.02%)	10.5	267	10.59	269	1.5	38		2.5		60
								3.5		

INTRALOX · STRAIGHT-RUNNING

SERIES 1700 (CONT.)



ULTRA ABRASION RESISTANT POLYURETHANE SPLIT SPROCKET

STREAMLINE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4.0	102	Nylon (AR), detectable nylon
6.0	152	

STREAMLINE FLIGHTS

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent: 2.0 in (51 mm).



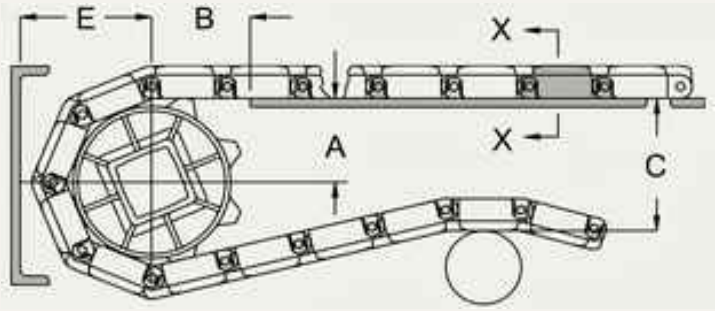
STREAMLINE FLIGHT

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C AND E – A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

INTRALOX · STRAIGHT-RUNNING

SERIES 1700

CONVEYOR FRAME DIMENSIONS AND DEAD PLATE GAP

SPROCKET DESCRIPTION - CONVEYOR FRAME DIMENSIONS

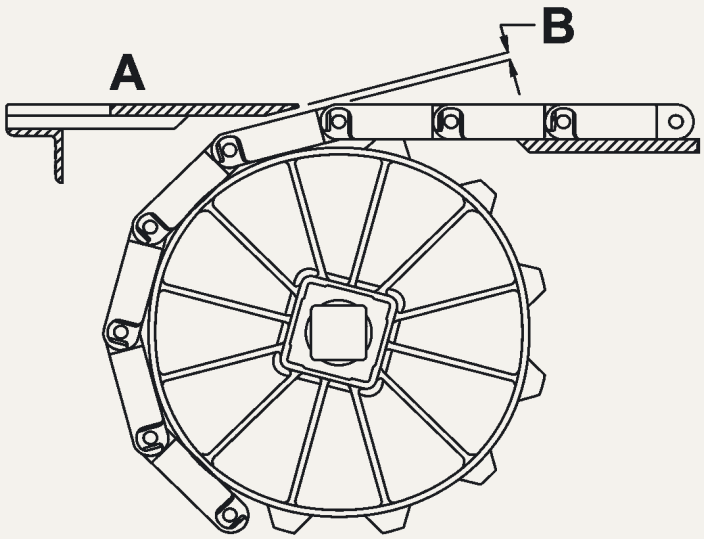
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1700 FLUSH GRID										
5.8	147	12	2.36-2.46	60-62	2.42	61	5.67	144	3.27	83
6.7	170	14	2.85-2.93	72-74	2.63	67	6.61	168	3.74	95
7.7	196	16	3.33-3.40	85-86	2.81	71	7.56	192	4.22	107
10.5	267	22	4.78-4.83	121-123	3.30	84	10.41	264	5.64	143
S1700 FLUSH GRID NUB TOP										
5.8	147	12	2.36-2.46	60-62	2.42	61	5.79	147	3.39	86
6.7	170	14	2.85-2.93	72-74	2.63	67	6.73	171	3.86	98
7.7	196	16	3.33-3.40	85-86	2.81	71	7.68	195	4.34	110
10.5	267	22	4.78-4.83	121-123	3.30	84	10.53	267	5.76	146
S1700 TRANSVERSE ROLLER TOP										
5.8	147	12	2.42-2.52	61-64	2.36	60	6.92	176	4.46	113
6.7	170	14	2.91-3.00	74-76	2.56	65	7.87	200	4.93	125
7.7	196	16	3.40-3.47	86-88	2.73	69	8.81	224	5.41	137
10.5	267	22	4.84-4.90	123-124	3.20	81	11.67	296	6.83	173

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP AT THE SPROCKET. A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

SPROCKET DESCRIPTION - DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
5.8	147	12	0.099	2.5
6.7	170	14	0.085	2.2
7.7	196	16	0.074	1.9
10.5	267	22	0.054	1.4

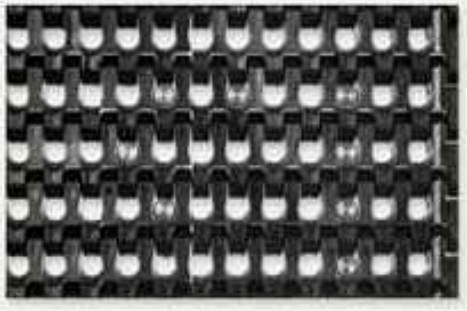
INTRALOX · STRAIGHT-RUNNING

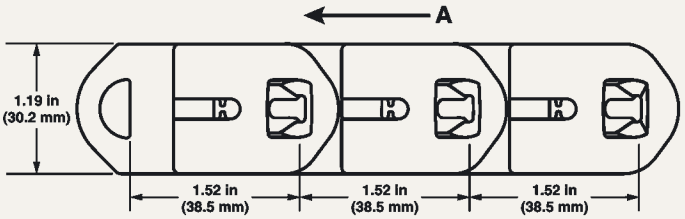
SERIES 1750 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.52	38.6
Minimum Width	12	304.8
Maximum Width	120	3048
Width Increments	1.00	25.4
Opening Size (approximate)	0.66 × 0.53	16.7 × 13.5
Open Area	21%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







A—preferred run direction

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Highly visible Slidelox rod retention feature.
- Large belt openings allow high-volume water flow and drainage.
- Semi-circle rod design significantly reduces rod wear and pitch elongation, and delivers predictable performance for maintenance planning in tough applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Ultra-abrasion-resistant polyurethane sprockets. Sprockets have large lug teeth that provide reliable engagement, extend sprocket life, and clear debris from the drive pockets.
- Provides excellent belt and sprocket durability, especially in tough-material handling applications.
- Conveyor requirements: Intralox recommends steel carryways in either a chevron pattern or a flat continuous carryway. Do not use straight, parallel wearstrips. Do not use on pusher conveyors.
- For specific conveyor design guidelines, contact Uniking Customer Service.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.5 IN (12.5 MM) HALF ROUND	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Low Wear Plus	Stainless steel	1200	1790	0 to 120	-18 to 49	7.10	34.66
LMAR	Stainless steel	1800	2680	0 to 212	-18 to 100	6.73	32.86

INTRALOX · STRAIGHT-RUNNING

SERIES 1750

SPROCKET QUANTITY REFERENCE, STRENGTH FACTOR AND POLYURETHANE SPROCKETS

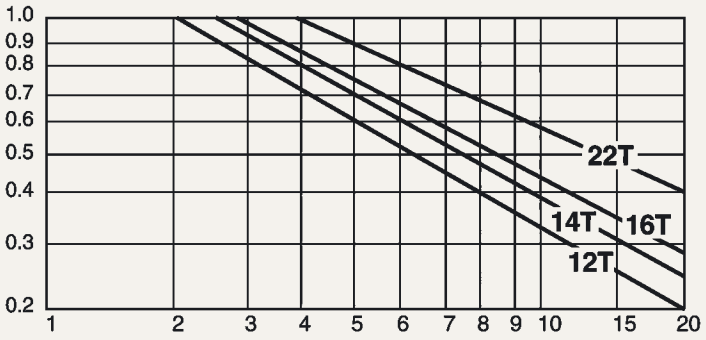
SPROCKET AND SUPPORT QUANTITY REFERENCE FLUSH GRID

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]
IN	MM	
12-14	305-356	5
15-18	381-457	7
20	508	9
24	610	11
30	762	13
32	813	15
36	914	17
42	1067	19
48	1219	23
54	1372	25
60	1524	29
72	1829	35
84	2134	41
96	2438	47
108	2743	53
120	3038	59

For other widths, use an odd number of sprockets at maximum 2 in (51 mm) centerline spacing.[3]
[1] Belts are available in 1.00 in (25.4 mm) increments beginning with 12 in (305 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only.

WEARSTRIPS

CARRYWAY	RETURNWAY
For specific carryway guidelines, contact Uniking Customer Service, or see the S1750 Design Guidelines.	For specific returnway guidelines, contact Uniking Customer Service, or see the S1750 Design Guidelines.



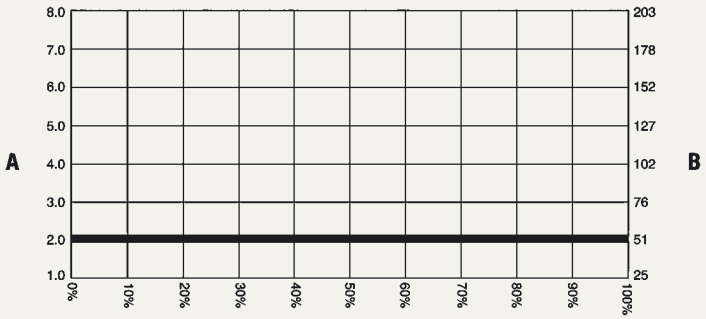
STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 12T, 14T, 16T AND 22T SPROCKETS

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Percentage of allowable belt strength utilized

A — Sprocket spacing, in

B — Sprocket spacing, mm

Solid line: Flush Grid

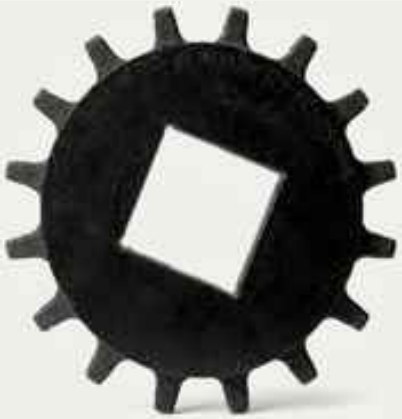
Dashed line: Transverse Roller Top

INTRALOX · STRAIGHT-RUNNING

SERIES 1750 (CONT.)

ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
16 (1.92%)	7.8	198	7.9	201	1.5	38		2.5		60
22 (1.02%)	10.6	269	10.9	277	1.5	38		2.5, 3.5		60



ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1750

ULTRA ABRASION RESISTANT SPLIT SPROCKETS

ULTRA ABRASION RESISTANT SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
14 (2.51%)	6.8	173	6.9	175	1.5	38		1.5, 2.5		40, 60
16 (1.92%)	7.8	198	7.9	201	1.5	38		1.5, 2.5		40, 60
22 (1.02%)	10.6	269	10.9	277	1.5	38		2.5, 3.5		60



ULTRA ABRASION RESISTANT SPLIT SPROCKET

3-PIECE STREAMLINE FLIGHTS

FLIGHT HEIGHT		MATERIALS
IN	MM	
3.0	76	Low Wear Plus, LMAR
4.0	102	

- Flight consists of 3 pieces: the base module, the attachment, and the rod.
- Streamline flights are smooth on both sides.
- Available with zero indent. The first available indent is 1.625 in (41 mm). Contact Uniking Customer Service for more information.
- Flights can be cut as short as 1.5 in (38 mm) if necessary for a particular application. If a shorter flight is needed, the flight base module without a flight attachment functions as a 0.75 in (19 mm) raised link. Contact Uniking Customer Service for more information.



3-PIECE STREAMLINE FLIGHT

- Intended for dry, aqueous, and solid fatty food applications. Do not use for liquid-oil applications.
- Contact Uniking Customer Service for friction and belt strength analysis.
- Temperature range is 32°F (0°C) to 120°F (49°C).

URETHANE WEARSTRIP

DIMENSIONS		AVAILABLE COLORS
IN	MM	
0.50 × 2 × 216	13 x 51 x 5486	Blue



INTRALOX · STRAIGHT-RUNNING

SERIES 1750

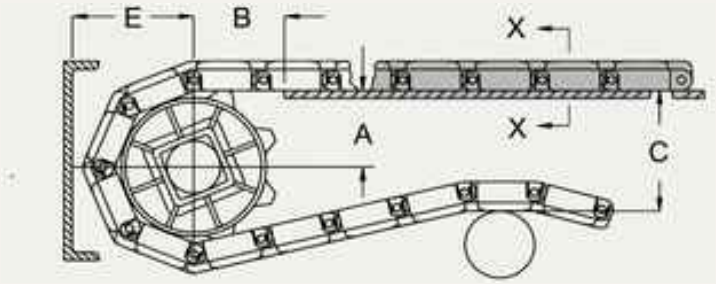
SERIES 1750 SPLIT METAL SPROCKET

SERIES 1750 SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
22 (1.02%)	10.6	269	10.7	272	1.625	41		2.5, 3.5		90



SERIES 1750 SPLIT METAL SPROCKET



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X. A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.

SPROCKET DESCRIPTION - CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1750 FLUSH GRID										
6.8	173	14	2.72-2.81	69-71	2.83	72	6.81	173	4.06	103
7.8	198	16	3.21-3.29	82-84	3.04	77	7.77	197	4.54	115
10.6	269	22	4.67-4.73	119-120	3.68	93	10.65	271	5.98	152

INTRALOX · STRAIGHT-RUNNING

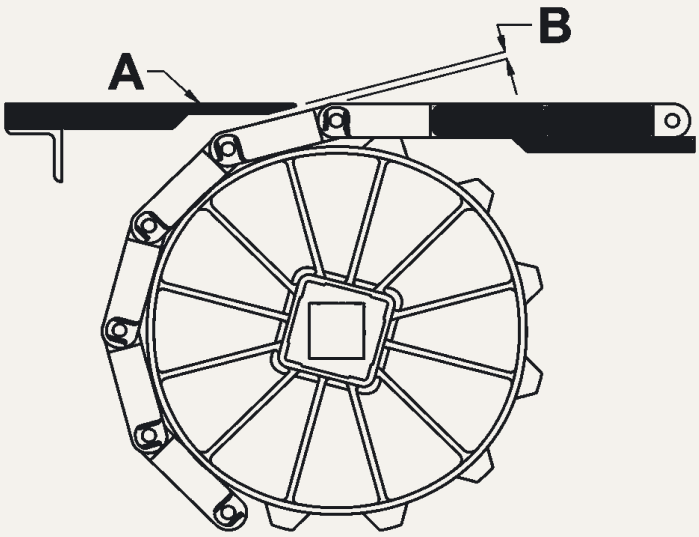
SERIES 1750 (CONT.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP AT THE SPROCKET. A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

SPROCKET DESCRIPTION - DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
6.8	173	14	0.085	2.2
7.8	198	16	0.075	1.9
10.6	269	22	0.054	1.4

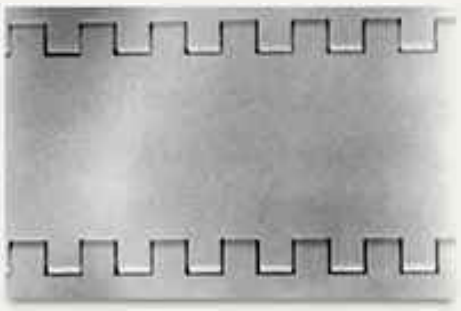
INTRALOX · STRAIGHT-RUNNING

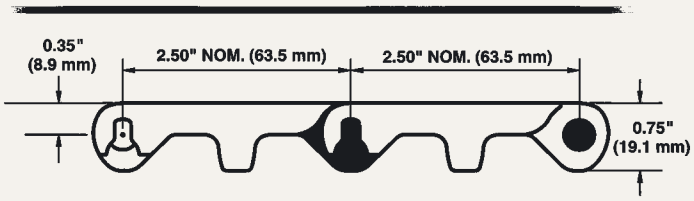
SERIES 1800 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	2.50	63.5
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	0%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Impact resistant belt designed for abusive applications.
- Like S800 and S1600, the drive bar on the underside of this belt channels water and debris to the outside of the belt for easier, faster cleanup. Drive bar effectiveness is proven both in-house and in field tests.
- Cam-link hinges provide easy cleaning with greater hinge and rod exposure as the belt moves around the sprockets.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Easy retrofit from S800 without extensive conveyor frame changes for most meat industry applications since the A, B, C, and E dimensions are within 0.25 in (6 mm) of S800.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.312 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	1200	1786	34 to 220	1 to 104	2.06	10.06
Acetal	Polyethylene	1200	1786	-50 to 150	-46 to 66	3.36	16.40
Acetal	Polypropylene	1500	2232	34 to 200	1 to 93	3.36	16.40
X-Ray Detectable Acetal[1]	Polyethylene	1000	1490	-50 to 150	-46 to 66	3.77	18.41
PK	PK	1200	1786	-40 to 200	-40 to 93	3.02	14.74

[1] *Designed specifically for detection by X-ray machines.*

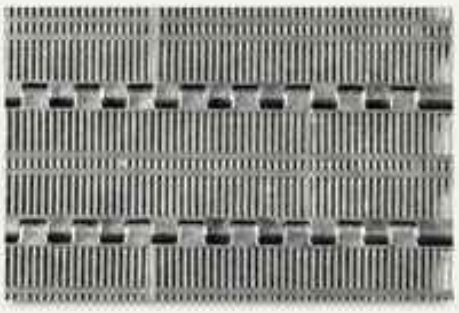
INTRALOX · STRAIGHT-RUNNING

SERIES 1800 - MESH TOP

MESH TOP

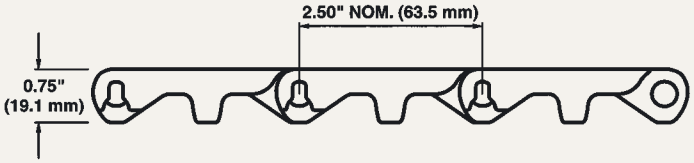
	IN	MM
Pitch	2.50	63.5
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size (approximate)	0.07 × 0.75	1.7 × 19.1
Open Area	32%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	





PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges with recessed rods prevent edge damage and rod migration.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flights and other accessories are available.



BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.312 IN (7.9 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Polypropylene	800	1190	34 to 220	1 to 104	1.44	7.03
UV resistant acetal	Acetal	1500	2230	-50 to 200	-46 to 93	2.27	11.08
Polyethylene	Polyethylene	400	595	-50 to 150	-46 to 66	1.50	7.32
Nylon	Nylon	1000	1488	-50 to 240	-46 to 116	1.81	8.84

INTRALOX · STRAIGHT-RUNNING

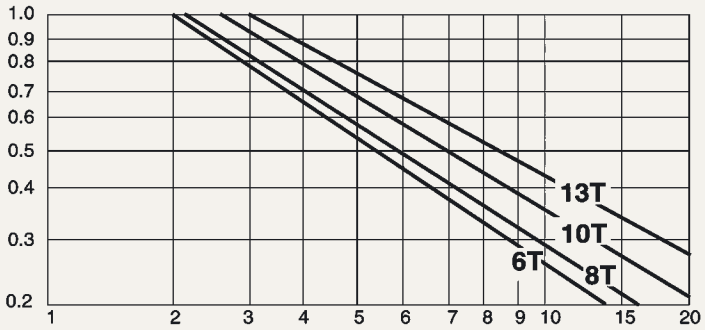
SERIES 1800

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
5	127	1	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
9	229	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	3	4	3
24	610	5	4	3
30	762	5	5	4
32	813	5	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9

Sprockets per shaft: For other widths, use odd number of sprockets at maximum 6 in (152 mm) centerline spacing.[3]
Carryway wearstrips: Maximum 9 in (229 mm) centerline spacing.
Returnway wearstrips: Maximum 12 in (305 mm) centerline spacing.
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with 5.0 in (127 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see Retainer Rings and Center Sprocket Offset.

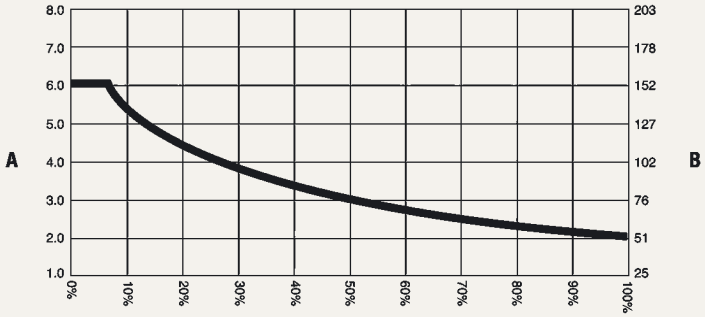


STRENGTH FACTOR – STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 6T, 8T, 10T AND 13T SPROCKETS

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED – SPROCKET SPACING VS. PERCENTAGE OF ALLOWABLE BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Horizontal axis: Percentage of allowable belt strength utilized.

A Sprocket spacing, in

INTRALOX · STRAIGHT-RUNNING

SERIES 1800

EZ CLEAN™ SPROCKET

EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
6 (13.40%)	5.0	127	4.6	117	1.5	38		1.5		40
8 (7.61%)	6.5	165	6.2	157	1.5	38		1.5		40
10 (4.89%)	8.1	206	7.8	198	1.5	38		1.5		40
13 (2.91%)	10.5	267	10.3	262	1.5	38		1.5		40
								2.5		60



EZ CLEAN™ SPROCKET

ANGLED EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
8 (7.61%)	6.5	165	6.2	157	2.0	50.8		1.5		40



ANGLED EZ CLEAN™ SPROCKET

IMPACT RESISTANT FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4.0	102	Acetal, PK, polyethylene, polypropylene, X-Ray Detectable Acetal

- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.



INTRALOX · STRAIGHT-RUNNING

SERIES 1800

INTRALOX BELT PULLER SET

INTRALOX BELT PULLER SET

SINGLE BELT PULLER	U.S. UNITS	METRIC UNITS
Length	14.4 in	365.8 mm
Width	4.2 in	106.7 mm
Height	0.5 in	12.7 mm
Weight	2 lb	0.9 kg
Total Weight of Belt Puller Set	6 lb	2.7 kg

- Can be used in carryways and returnways to install, close, or open compatible belts.
- Improves worker safety.
- Reduces the number of people required to install or remove large or inclined belts.
- Reduces the risk of belt damage that can lead to foreign material contamination.
- Set includes two belt pullers and one Intralox ratchet strap.
- Solid metal construction with dedicated metal rod that locks into the belt puller.
- Etched QR code on the tool links to an instructional video.
- Compatible with S800 and S1800 belts. For up-to-date compatibility information, contact Uniking Customer Service.



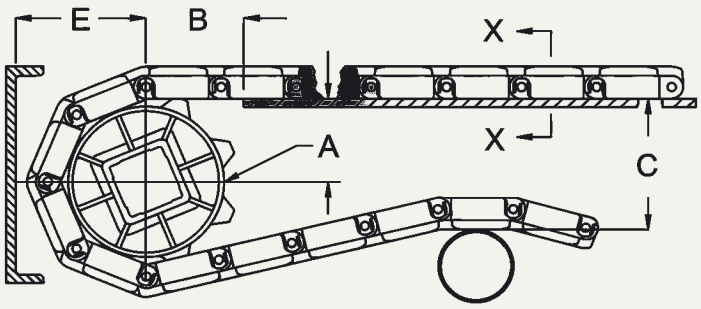
INTRALOX BELT PULLER WITH RATCHET STRAP

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSION TOLERANCES

DIMENSION	TOLERANCE
A	± 0.031 in (1 mm)
B	± 0.125 in (3 mm)
C	± (max.)
E	± (min.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1800 FLAT TOP, MESH TOP										
5.0	127	6	1.77-2.10	45-53	1.87	47	4.95	126	2.91	74
6.5	165	8	2.62-2.87	66-73	2.23	57	6.48	165	3.68	93
8.1	206	10	3.45-3.65	88-93	2.59	66	8.04	204	4.46	113
10.5	267	13	4.67-4.82	119-123	3.02	77	10.40	264	5.64	143

INTRALOX · STRAIGHT-RUNNING

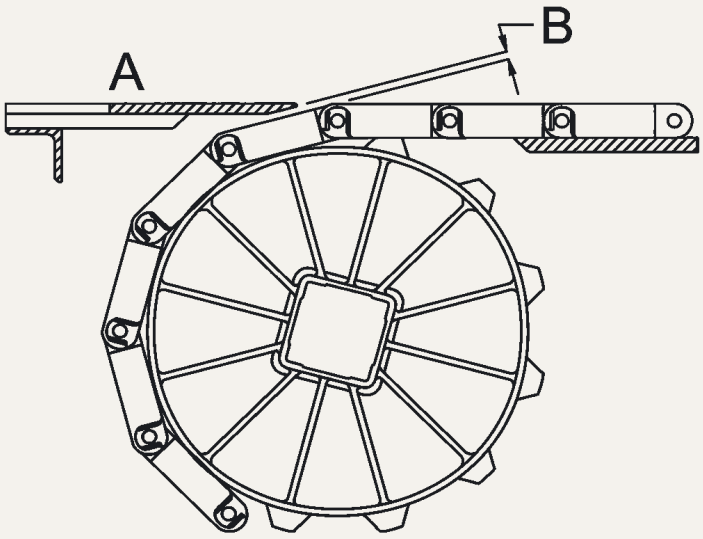
SERIES 1800 (CONT.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

INTRALOX · STRAIGHT-RUNNING

SERIES 1800

DEAD PLATE GAP (CONTINUED)

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
5.0	127	6	0.150	3.8
6.5	165	8	0.108	2.8
8.1	206	10	0.091	2.3
10.5	267	13	0.074	1.9

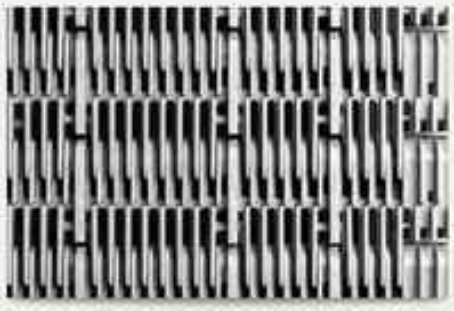
INTRALOX · STRAIGHT-RUNNING

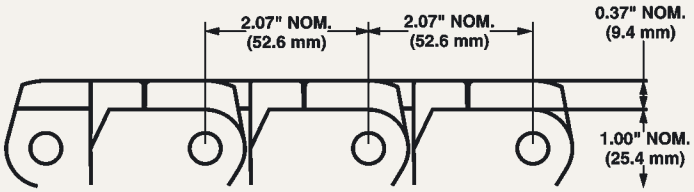
SERIES 1900 - RAISED RIB

RAISED RIB

	IN	MM
Pitch	2.07	52.6
Minimum Width	15	381
Width Increments	1.00	25.4
Opening Size	-	-
Open Area	27%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Shuttleplug; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Increased module thickness and rod diameter provide superior belt strength and increased belt life.
- Tall belt ribs and strong fingers enable robust transfers.
- Engineered resin module material provides increased resistance to chemicals and temperature changes.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimal back tension required.
- Split sprockets available for easy installation.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.38 IN (9.7 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Enduralox polypropylene	Polypropylene	4000	5952	34 to 220	1 to 104	3.90	19.04

INTRALOX · STRAIGHT-RUNNING

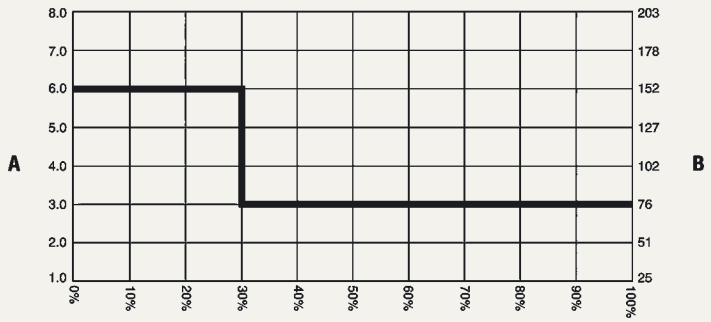
SERIES 1900

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
15	381	3	3	3
18	457	3	3	3
24	610	5	4	3
30	762	5	5	4
36	914	7	5	4
42	1067	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13

Sprockets: For other widths, use an odd number of sprockets at Maximum 6 in (152 mm) centerline spacing.[3]
Carryway wearstrips: Maximum 9 in (229 mm) centerline spacing. Returnway wearstrips: Maximum 12 in (305 mm) centerline spacing.
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range.
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprocket. See Locked Sprocket Location chart in the Installation Instruction Guidelines for lockdown location.



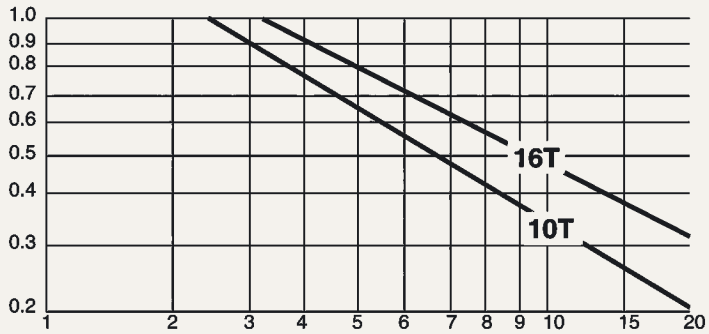
SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Percentage of allowable belt strength utilized

A — Sprocket spacing, in

B — Sprocket spacing, mm



STRENGTH FACTOR — STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L), 16T AND 10T SPROCKET LINES

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

SPLIT METAL SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.7	170	7.0	177	1.7	43		2.5		60
15 (2.19%)	10.0	254	10.3	262	1.7	43		3.5		
16 (1.92%)	10.6	269	11.0	279	1.7	43	3.5	3.5		90

INTRALOX · STRAIGHT-RUNNING

SERIES 1900 (CONT.)



SPLIT METAL SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 1900

TWO-MATERIAL FINGER TRANSFER PLATES

TWO-MATERIAL FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6.0	152	18	Glass-filled thermoplastic fingers, acetal backplate

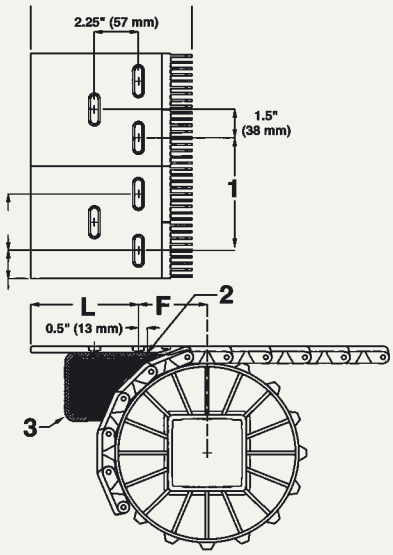


TWO-MATERIAL FINGER TRANSFER PLATE WITH MOUNTING HARDWARE

- Provides high-strength fingers combined with a low-friction backplate.
- Low-friction backplate is permanently attached to the two high-strength finger inserts.
- Eliminates product transfer and tipping problems. The 18 fingers extend between the belt ribs, allowing smooth, continuous product flow as the belt engages the sprockets.
- Easily installed on the conveyor frame with supplied shoulder bolts. Caps snap easily into place over the bolts, keeping foreign materials out of the slots.
- The extended backplate has three attachment slots. Mounting hardware is sold separately and includes stainless steel oval washers and bolts. Plastic bolt covers are also included.

DIMENSIONAL REQUIREMENTS FOR FINGER TRANSFER PLATE INSTALLATION

	TWO-MATERIAL	
	IN	MM
F	3.50	89
G	0.31	8
H	9.56	243
I	5.91	150
J	3.00	76
K	1.45	37
L	5.50	140
Spacing at ambient temperature (Enduralox PP)	5.98	151.9



TWO-MATERIAL GLASS HANDLING FINGER TRANSFER PLATE SHOWN – DIMENSIONS F, G, H, I, J, K, L WITH 2.25 IN (57 MM), 1.5 IN (38 MM) AND 0.5 IN (13 MM) REFERENCES

DRAWING KEY

1 — Spacing

2 — 0.5 in (13 mm) Radius (leading edge of frame member)

3 — Frame member

INTRALOX · STRAIGHT-RUNNING

SERIES 1900

SELF-CLEARING FINGER TRANSFER PLATES1

SELF-CLEARING FINGER TRANSFER PLATES[1]

AVAILABLE WIDTH		NO. OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic

[1] Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490



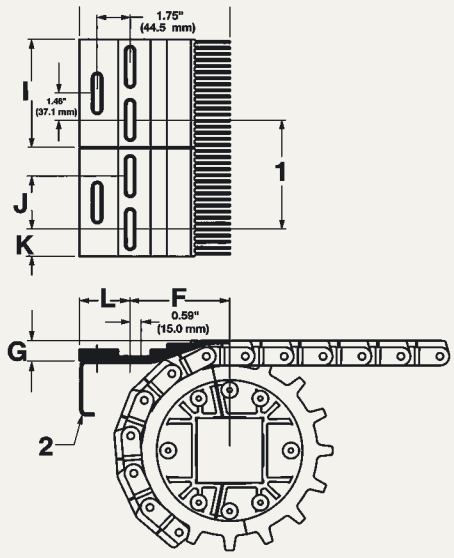
SELF-CLEARING FINGER TRANSFER PLATE IN A RIGHT-ANGLE CONTAINER TRANSFER

- Consists of a finger transfer plate and a transfer edge belt that are designed to work together.
- Molded with robust tracking tabs for belt support in heavy side-loading conditions.
- Flat, smooth top surface provides excellent lateral movement of containers.
- Fully flush edges, headed rod retention system, and nylon rods for superior wear resistance.
- Eliminates the need for a sweeper bar, a pusher arm, or wide transfer plates. Transfers are smooth and 100% self-clearing, making right angle transfers possible for all container types.
- Ideal for warmer/cooler applications with frequent product changeovers.
- Bi-directional system allows same transfer belt use for both left-hand and right-hand transfers.
- Compatible with any series and style of Intralox belt on the discharge and infeed conveyors.
- Capable of transferring product to and from Intralox Series 400, Series 1200, and Series 1900 Raised Rib belts.
- Robust design for durability in tough, glass applications.
- Easily installed and secured to mounting plates of any thickness with stainless steel bolts and oval washers that allow movement with belt expansion and contraction.
- Stainless steel hardware is sold separately.

DIMENSIONAL REQUIREMENTS FOR SELF-CLEARING FINGER TRANSFER PLATE INSTALLATIONS[2]

	SELF-CLEARING	
	IN	MM
F	5.25	133.4
G	1.15	29.2
H	8.05	204.5
I	5.93	150.6
J	2.92	74.2
K	1.51	38.4
L	2.71	68.8
SPACING AT AMBIENT TEMPERATURE		
PP	5.98	151.9

[2] Licensed under Rexnord U.S. Patent Nos. 7,314,130 and 7,448,490



SELF-CLEARING FINGER TRANSFER PLATE INSTALLATION – DIMENSIONS F, G, H, I, J, K, L WITH 1.75 IN (44.5 MM), 1.46 IN (37.1 MM) AND 0.59 IN (15.0 MM) REFERENCES

DRAWING KEY

1 — Spacing

2 — Frame Member

INTRALOX · STRAIGHT-RUNNING

SERIES 1900

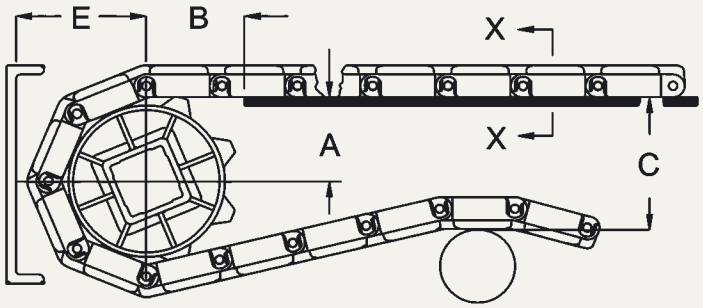
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

TOLERANCES

A — ± 0.031 in (1 mm)

B — ± 0.125 in (3 mm)

C — ± (max.)

E — ± (min.)

CONVEYOR FRAME DIMENSIONS

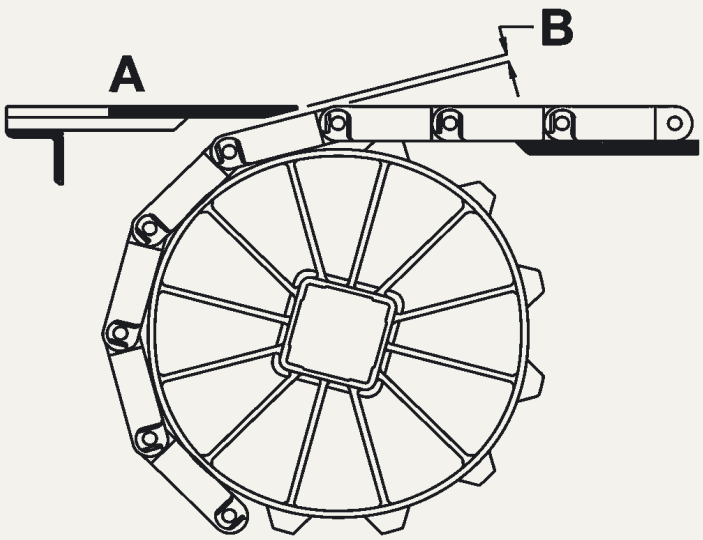
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S1900 RAISED RIB										
6.7	170	10	2.69-2.85	68-72	2.82	72	7.08	180	4.29	109
10.0	254	15	4.37-4.48	111-114	3.52	89	10.33	262	5.91	150
10.6	269	16	4.71-4.81	120-122	3.65	93	11	279	6.25	159

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP AT THE SPROCKET — A TOP SURFACE OF DEAD PLATE, B DEAD PLATE GAP

DRAWING KEY

A — Top surface of dead plate

B — Dead plate gap

DEAD PLATE GAP

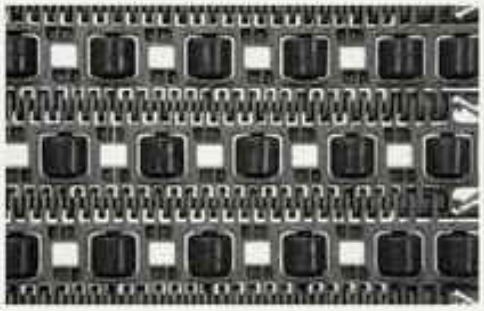
INTRALOX · STRAIGHT-RUNNING

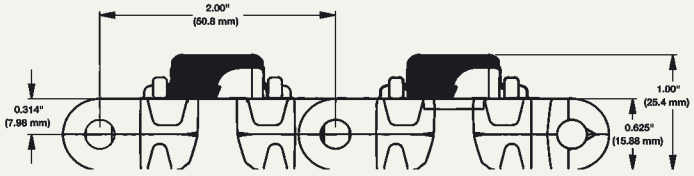
SERIES 4400 - TRANSVERSE ROLLER TOP™ (TRT™)

TRANSVERSE ROLLER TOP™ (TRT™)

	IN	MM
Pitch	2.00	50.8
Minimum Width	8	203
Width Increments	2.00	50.8
Opening Size (approximate)	0.43 × 0.53	10.9 × 13.5
Open Area	17.8%	
Hinge Style	Open	
Drive Method	Center	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses acetal rollers with plastic axles.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for 90-degree transfers.
- Sprockets have large lug teeth.
- S4400 alternating tooth, glass-filled split sprockets are recommended.
- Robust design offers excellent belt and sprocket durability, especially in tough, material-handling applications.
- Detailed conveyor design guidelines are available. Contact Uniking Customer Service for more information.
- Adjust belt length in 4 in (10.16 cm), two-row increments.
- Roller diameter: 0.95 in (24.1 mm).
- Roller length: 0.825 in (20.9 mm).
- Standard roller indent: 0.26 in (6.6 mm).
- Roller spacing: 2 in (50.8 mm), alternating.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2200	3270	34 to 200	1 to 93	2.25	10.985

INTRALOX · STRAIGHT-RUNNING

SERIES 4400

SPROCKET AND SUPPORT QUANTITY REFERENCE

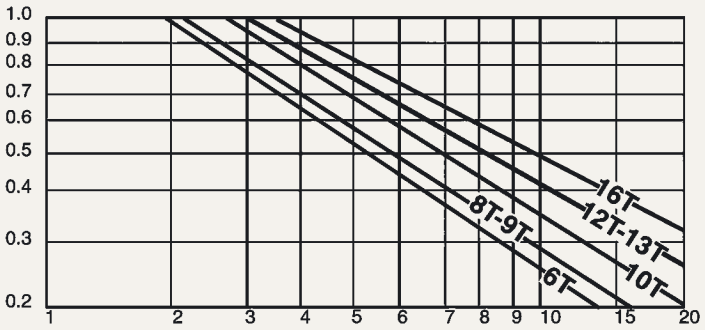
SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
10-14	254-356	2	3	2
16-18	406-457	3	3	3
20-24	508-610	3	4	3
26	660	4	4	3
28-32	711-813	4	5	3
34-36	864-914	5	5	4
38-42	965-1067	5	6	4
44	1118	6	6	5
46-50	1168-1270	6	7	5
52-54	1321-1372	7	7	5
56-60	1422-1524	7	8	6
62	1575	8	8	6
64-68	1626-1727	8	9	6
70-72	1778-1829	9	9	6
74-78	1879-1981	9	10	7
80	2032	10	10	7

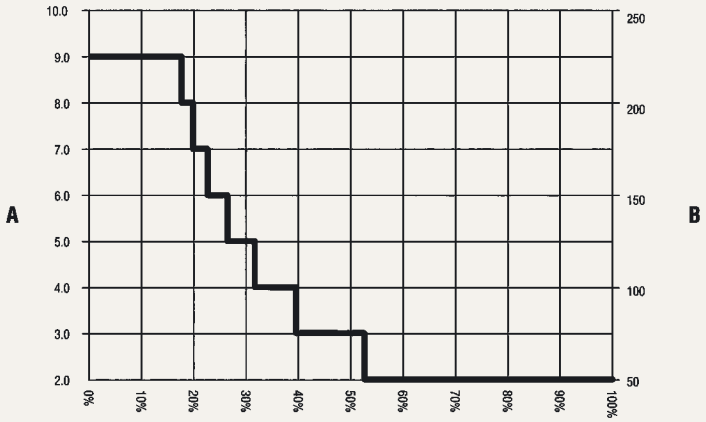
Sprockets: Maximum 9 in (229 mm) centerline spacing, minimum indent from flush edge.
Carryway: Maximum 9 in (229 mm) centerline spacing.
Returnway: Maximum returnway spacing 12 in (304.8 mm).

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 2.00 in (51 mm) increments beginning with minimum width of 10 in (254 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.



STRENGTH FACTOR — SPEED/LENGTH RATIO (V/L)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

STRENGTH FACTOR

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 4400 (CONT.)

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A — Sprocket spacing, in

B — Sprocket spacing, mm

Solid line: Square bore sprockets

Dashed line: Round bore sprockets

GLASS FILLED NYLON ALTERNATING TOOTH SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.7	170	1.9	48		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	8.0	198	1.9	48		1.5, 2.5		40, 60
16 (1.92%)	10.3	262	10.5	267	1.9	48		1.5, 2.5		40, 60



GLASS FILLED NYLON ALTERNATING TOOTH SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 4400

NYLON ALTERNATING TOOTH SPLIT SPROCKETS

NYLON ALTERNATING TOOTH SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	5.3	135	5.5	140	1.9	48		1.5		40
16 (1.92%)	10.3	262	10.5	267	1.9	48		3.5		



NYLON ALTERNATING TOOTH SPLIT SPROCKET

NYLON ALTERNATING TOOTH SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6 (13.40%)	4.0	102	4.2	107	1.9	48		1.5		40



NYLON ALTERNATING TOOTH SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 4400 (CONT.)

GLASS FILLED NYLON ALTERNATING TOOTH SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.5	165	2.0	51		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	7.8	198	2	51		1.5, 2.5		40, 60
16 (1.92%)	10.3	262	10.4	264	2	51		2.5		60



GLASS FILLED NYLON ALTERNATING TOOTH SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 4400

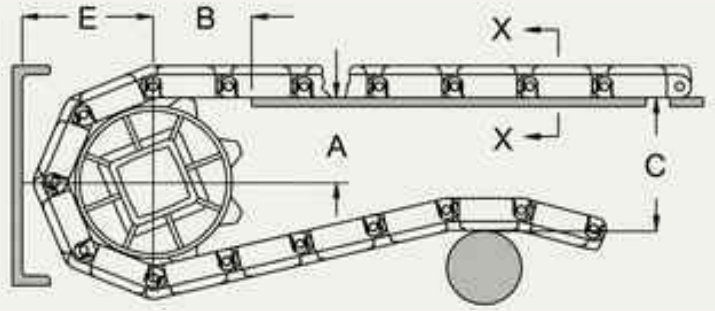
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

A ± 0.031 in (1 mm)

B ± 0.125 in (3 mm)

C ± (max.)

E ± (min.)

CONVEYOR FRAME DIMENSIONS

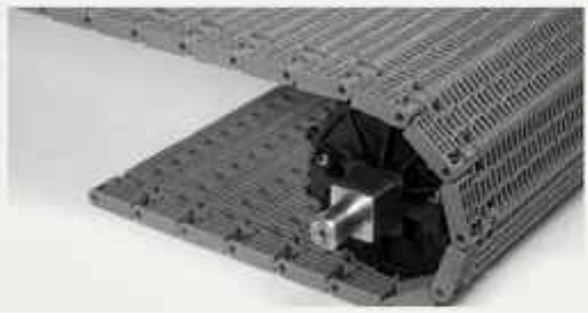
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S4400 TRANSVERSE ROLLER TOP										
4.0	102	6	1.43-1.70	36-43	1.85	47	4.40	112	2.76	70
5.3	135	8	2.12-2.32	54-59	2.24	57	5.64	143	3.38	86
6.5	165	10	2.79-2.95	71-75	2.39	61	6.90	175	4.01	102
7.8	198	12	3.45-3.58	88-91	2.64	67	8.16	207	4.64	118
10.3	262	16	4.75-4.85	121-123	3.10	79	10.70	272	5.91	150

INTRALOX · STRAIGHT-RUNNING

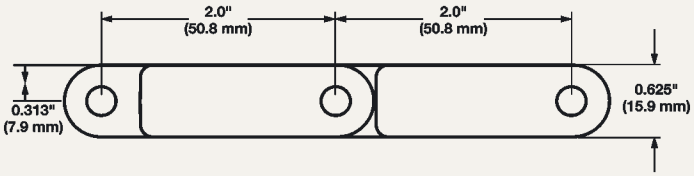
SERIES 4500 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	2.00	50.8
Minimum Width	5.00	127
Width Increments	1.00	25.4
Opening Size (approximate)	0.24 × 0.23	6.1 × 5.8
Open Area	35%	
Hinge Style	Open	
Drive Method	Center-driven	
Rod Retention; Rod Type	Barn door; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface and straightforward design provide free product movement.
- Opening size prevents 0.25 in (6.35 mm) or larger bolt from falling through the belt surface.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets have large lug teeth.

BELT DATA

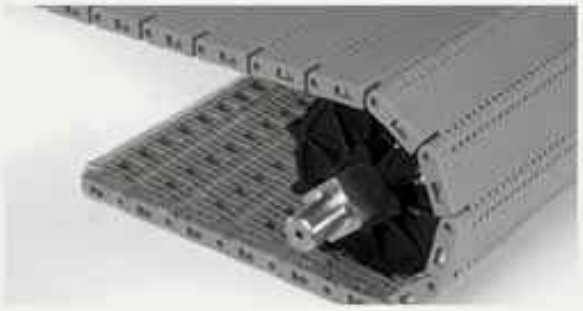
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2400	3572	34 to 220	1 to 104	1.54	7.52
Polypropylene	Polypropylene	2200	3274	34 to 220	1 to 104	1.54	7.52

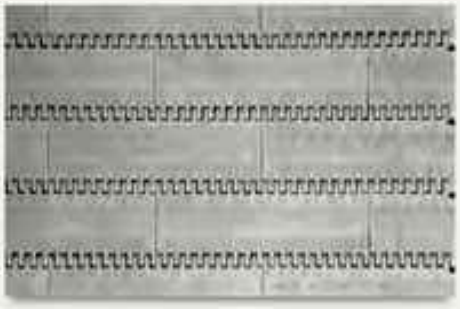
INTRALOX · STRAIGHT-RUNNING

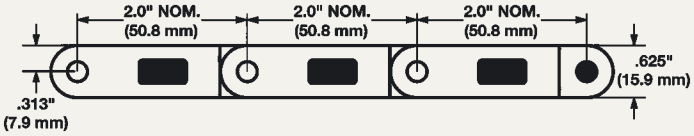
SERIES 4500 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	5.00	127
Width Increments	1.00	25.4
Opening Size	–	–
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface.
- Fully flush edges.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.

BELT DATA

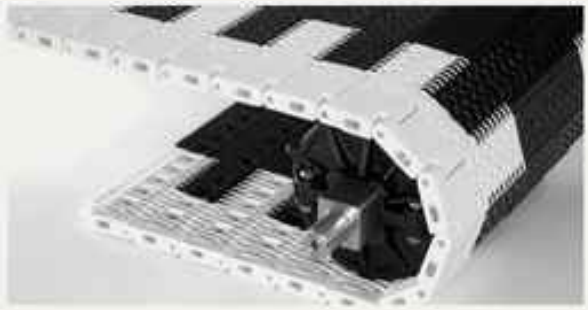
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	4400	6548	-50 to 200	-46 to 93	3.07	14.96
HSEC acetal	Nylon	4100	6101	-50 to 200	-46 to 93	3.08	15.04
AC/EC	Nylon	4400	6548	-50 to 200	-46 to 93	3.08	15.04
Polypropylene	Nylon	2900	4316	34 to 220	1 to 104	1.97	9.62
Easy Release Traceable polypropylene	Nylon	2500	3720	34 to 220	1 to 104	2.26	11.03

INTRALOX · STRAIGHT-RUNNING

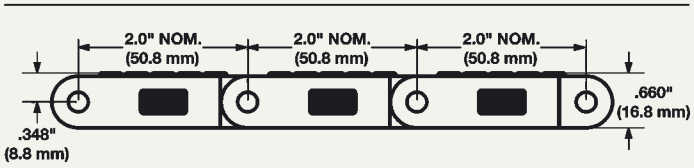
SERIES 4500 - NON SKID

NON SKID

	IN	MM
Pitch	2.00	50.8
Minimum Width	5.00	127
Width Increments	1.00	25.4
Opening Size	–	–
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Edges have Flat Top surface with no tread pattern.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Diamond tread pattern provides a non-skid walking surface to increase safety.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Flat Top indent: 2.0 in (50 mm) from the belt edge.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	4400	6548	-50 to 200	-46 to 93	3.09	15.09
HSEC acetal	Nylon	4100	6101	-50 to 200	-46 to 93	3.10	15.14
AC/EC	Nylon	4400	6548	-50 to 200	-46 to 93	3.10	15.14
Polypropylene	Nylon	2900	4316	34 to 220	1 to 104	1.98	9.67
FR Anti-Static	Nylon	2000	2976	-50 to 150	-46 to 66	3.00	14.65

INTRALOX · STRAIGHT-RUNNING

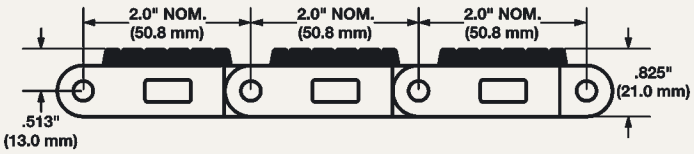
SERIES 4500 - NON SKID RAISED RIB

NON SKID RAISED RIB

	IN	MM
Pitch	2.00	50.8
Minimum Width	5.00	127
Width Increments	1.00	25.4
Opening Size	–	–
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- Edges have Flat Top surface with no tread pattern.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Non-skid tread pattern increases safety.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Finger transfer plates are available. Finger transfer plates remove debris from the belt surface.
- Flat Top indent: 2.0 in (50 mm) from the belt edge.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	4400	6548	-50 to 200	-46 to 93	3.39	16.55
HSEC acetal	Nylon	4100	6101	-50 to 200	-46 to 93	3.39	16.55
AC/EC	Nylon	4400	6548	-50 to 200	-46 to 93	3.39	16.55

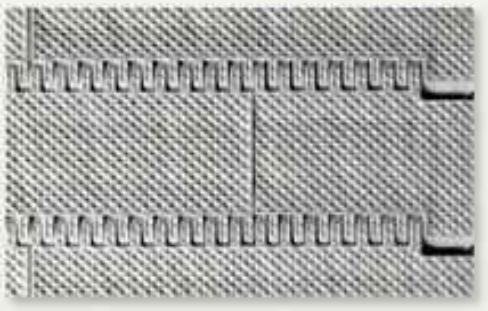
INTRALOX · STRAIGHT-RUNNING

SERIES 4500 - EMBEDDED DIAMOND TOP

EMBEDDED DIAMOND TOP

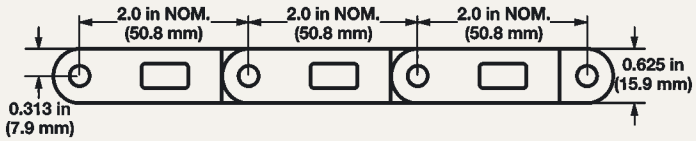
	IN	MM
Pitch	2.00	50.8
Minimum Width	5.00	127.0
Width Increments	1.00	25.4
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Slidelox®; unheaded	





PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges.
- The Embedded Diamond Top pattern allows sticky materials to release easily from the belt.
- Slidelox are glass-reinforced polypropylene.
- Detailed material information is provided at the beginning of Section 2: Product Line.



BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Nylon	2900	4316	34 to 220	1 to 104	1.97	9.62

INTRALOX · STRAIGHT-RUNNING

SERIES 4500

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

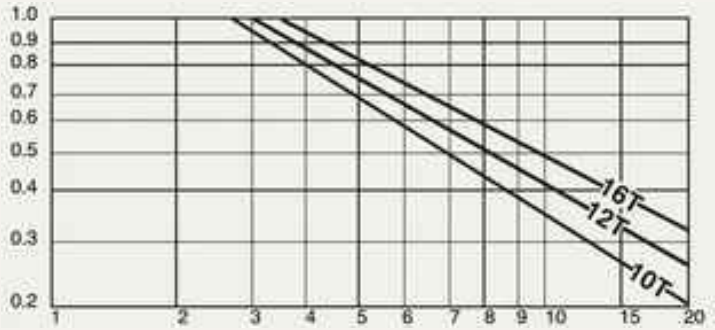
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
2	51	1	2	2
4	102	1	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	3	3	3
16	406	3	3	3
18	457	3	3	3
20	508	5	4	3
24	610	5	4	3
30	762	5	5	4
32	813	7	5	4
36	914	7	5	4
42	1087	7	6	5
48	1219	9	7	5
54	1372	9	7	6
60	1524	11	8	6
72	1829	13	9	7
84	2134	15	11	8
96	2438	17	12	9
120	3048	21	15	11
144	3658	25	17	13

Sprockets: For other widths, use an odd number of sprockets at Maximum 6 in (152 mm) centerline spacing.[3]
Carryway: Maximum 6 in (152 mm) centerline spacing.
Returnway: Maximum 12 in (305 mm) centerline spacing.

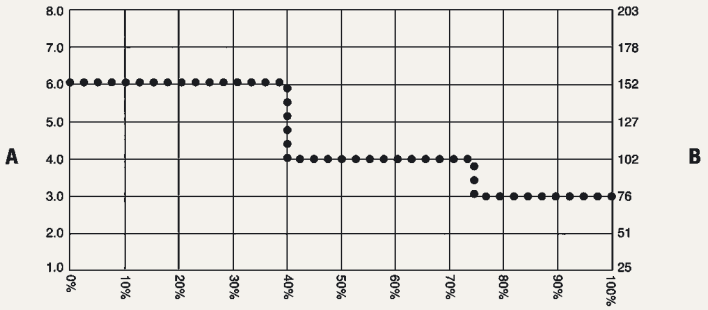
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 5 in (127 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets.

*[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see **Retainer Rings and Center Sprocket Offset**.*



STRENGTH FACTOR — SPEED/LENGTH RATIO (V/L)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A — Sprocket spacing, in

STRENGTH FACTOR

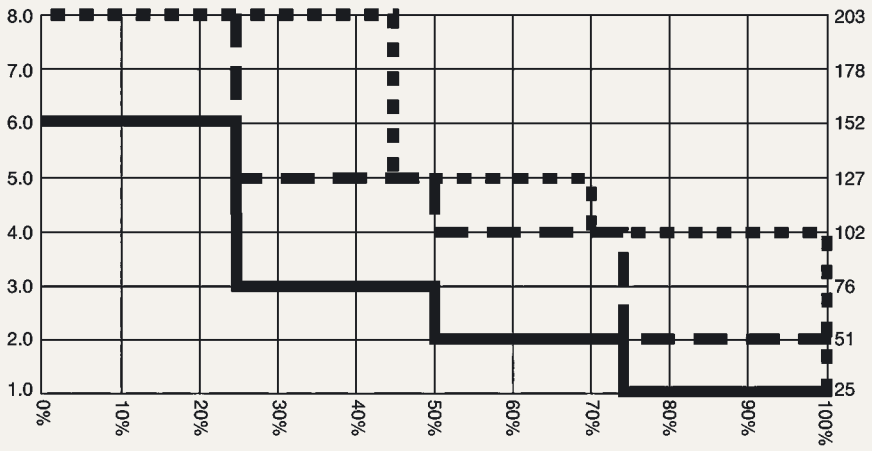
Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · STRAIGHT-RUNNING

SERIES 4500

SPROCKET SPACING CHART & SPLIT SPROCKETS



Percentage of allowable belt strength utilized

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED – SPROCKET SPACING (IN / MM) VS. PERCENTAGE OF ALLOWABLE BELT STRENGTH UTILIZED. SOLID LINE: FLUSH GRID–ROUND BORE; LONG DASH LINE: FLUSH GRID–SQUARE BORE; SHORT DASH LINE: FLUSH GRID–DUAL TOOTH

ENDURALOX POLYPROPYLENE COMPOSITE SPLIT SPROCKETS [1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES – U.S.		AVAILABLE BORE SIZES – METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.7	170	1.5	38		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	8	203	1.5	38		1.5, 2.5		40, 60
16 (1.92%)[2]	10.3	262	10.5	267	1.5	38	2.5, 3.5	2.5	60, 90	60

[1] Hardware made from 316 stainless steel
[2] The 16-tooth sprocket has over-sized bores.



ENDURALOX POLYPROPYLENE COMPOSITE SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 4500 (CONT.)

GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES – U.S.		AVAILABLE BORE SIZES – METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.7	170	1.45	37		1.5[3], 2.5		40[3], 60
12 (3.41%)	7.8	198	8	203	1.45	37		1.5[3], 2.5, 3.5		40[3], 60, 90
16 (1.92%)	10.3	262	10.5	267	1.45	37		2.5, 3.5		60, 90

[3] 1.5 in and 40-mm bores have a hub width of 1.95 in (50 mm).



GLASS FILLED NYLON SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

SERIES 4500

NYLON SPLIT SPROCKETS

NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES – U.S.		AVAILABLE BORE SIZES – METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	10.3	262	10.5	267	1.9	38		1.5		40



NYLON SPLIT SPROCKET

GLASS FILLED NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES – U.S.		AVAILABLE BORE SIZES – METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.89%)	6.5	165	6.5	165	2	51		1.5, 2.5		40, 60
12 (3.41%)	7.8	198	7.8	198	2	51		1.5, 2.5		40, 60



GLASS FILLED NYLON SPROCKET

ENDURALOX POLYPROPYLENE COMPOSITE DUAL TOOTH SPLIT SPROCKETS [1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES – U.S.		AVAILABLE BORE SIZES – METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	10.3	262	10.5	267	1.5	38		3.5[2]		90

[1] Hardware made from 316 stainless steel
[2] Bores are over-sized

INTRALOX · STRAIGHT-RUNNING

SERIES 4500 (CONT.)



ENDURALOX POLYPROPYLENE COMPOSITE DUAL TOOTH SPLIT SPROCKET

INTRALOX · STRAIGHT-RUNNING

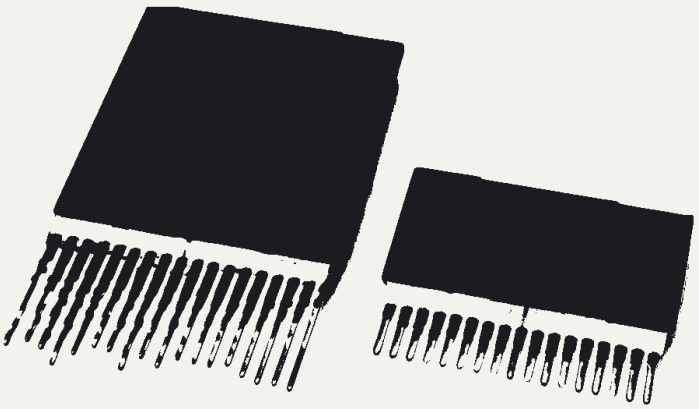
SERIES 4500

FINGER TRANSFER PLATES

FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
6	152	18	Glass-filled thermoplastic fingers, acetal back plate

- For use with Series 4500 Non Skid Raised Rib belt styles.
- Fingers extend between the ribs to prevent hardware from dropping off the end of the conveyor.
- Plastic shoulder bolts and bolt covers are included for installing the standard two-material finger transfer plates.
- Easily installed on the conveyor frame.
- Available in two different configurations. The standard configuration features long fingers with a short back plate. Standard Extended Back configuration features long fingers with an extended back plate. The short back plate has two attachment slots and the extended back plate has three attachment slots.

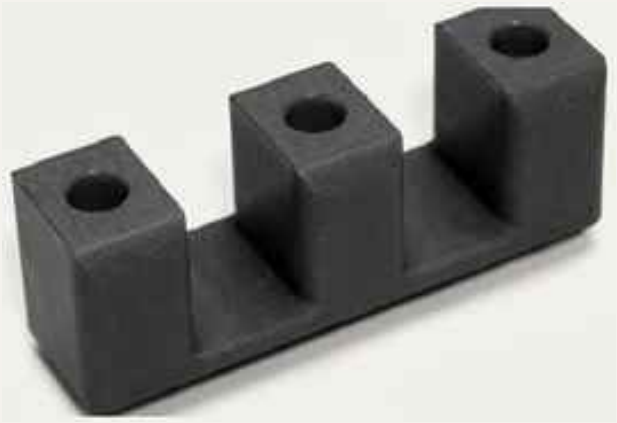


FINGER TRANSFER PLATES

- Fasteners and modified S4500 Flat Top modules are required.
- Fastener torque specification: 40-45 in/lb (4.5-5 N/m).
- Minimum indent from the edge of the belt without wheel chocks: 2.0 in (50 mm).

FLAT TOP WHEEL CHOCKS

AVAILABLE HEIGHT		AVAILABLE WIDTH		AVAILABLE MATERIALS
IN	MM	IN	MM	
1.6	41	5	127	UHMW
1.97	50	5	127	UHMW



FLAT TOP WHEEL CHOCKS

INSERT NUTS

AVAILABLE BASE BELT STYLE - MATERIAL	AVAILABLE INSERT NUT SIZES
Flat Top - Acetal	6 mm –1 mm
Flat Top - Polypropylene	6 mm –1 mm

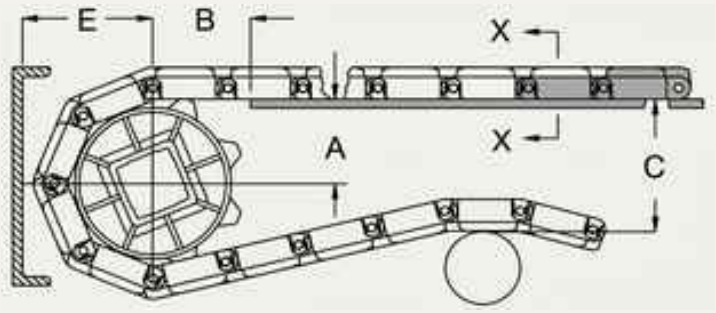
- Insert Nuts allow easy attachment of fixtures to the belt.
- Square insert nuts are provided. The square flange ensures that the insert nut stays in place when the bolt is tightened or loosened.
- Ensure that attachments connected to more than one row do not prohibit belt rotation around the sprockets.
- Do not locate sprockets in-line with the insert nuts. Contact Uniking Customer Service for sprocket and insert nut placement.
- Fasteners and modified Series 4500 Flat Top modules are required.
- Fastener torque specification: 40-45 in-lb (4.5-5.0 N-m).
- Minimum indent from the belt edge: 3.5 in (89 mm)
- Minimum distance between nuts along the length of the belt: 1.0 in (25 mm)
- Contact Uniking Customer Service for assistance with insert nut placement.

INTRALOX · STRAIGHT-RUNNING

SERIES 4500 (CONT.)



INSERT NUTS FITTED IN A FLAT TOP MODULE



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.

DIMENSION TOLERANCES

DIMENSION	TOLERANCE	DIMENSION	TOLERANCE
A	± 0.031 in (1 mm)	C	± (max.)
B	± 0.125 in (3 mm)	E	± (min.)

INTRALOX · STRAIGHT-RUNNING

SERIES 4500

CONVEYOR FRAME DIMENSIONS & DEAD PLATE GAP

CONVEYOR FRAME DIMENSIONS

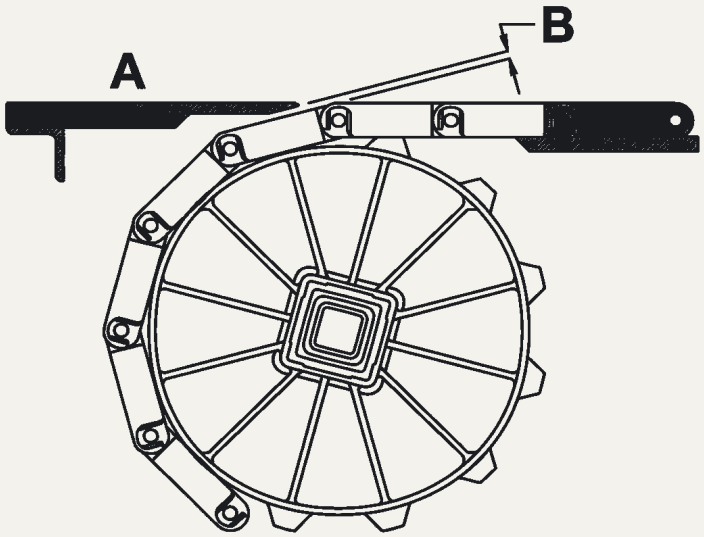
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S4500 FLAT TOP, FLUSH GRID										
6.5	165	10	2.77-2.92	70-74	2.40	61	6.47	164	3.61	92
7.8	198	12	3.46-3.59	88-91	2.63	67	7.80	198	4.28	109
10.3	262	16	4.71-4.81	120-122	3.15	80	10.25	260	5.50	140
S4500 NON SKID										
6.5	165	10	2.77-2.92	70-74	2.40	61	6.56	167	3.70	94
7.8	198	12	3.46-3.59	88-91	2.63	67	7.89	200	4.36	111
10.3	262	16	4.71-4.81	120-122	3.15	80	10.34	263	5.59	142
S4500 NON SKID RAISED RIB										
6.5	165	10	2.77-2.92	70-74	2.40	61	6.67	169	3.81	97
7.8	198	12	3.46-3.59	88-91	2.63	67	8.00	203	4.48	114
10.3	262	16	4.71-4.81	120-122	3.15	80	10.45	265	5.70	145

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP: A = TOP SURFACE OF DEAD PLATE, B = DEAD PLATE GAP

DEAD PLATE GAP

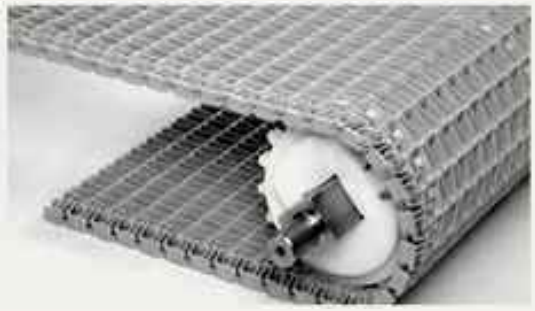
SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
6.4	163	10	0.160	4.1
7.8	198	12	0.130	3.3
10.1	257	16	0.100	2.5

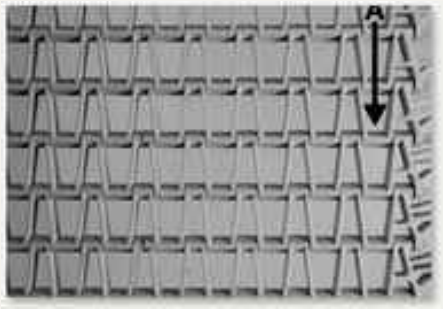
INTRALOX · STRAIGHT-RUNNING

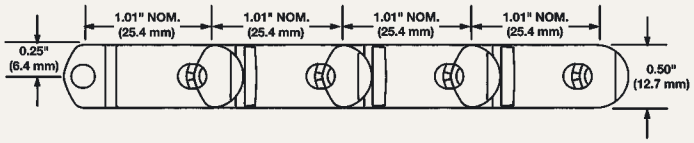
SERIES 9000 - FLUSH GRID

FLUSH GRID

	IN	MM
Pitch	1.01	25.7
Minimum Width	6	152.4
Width Increments	1.00	25.4
Opening Size (approximate)	0.7 × 0.5	17.8 × 12.7
Open Area	58%	
Hinge Style	Closed	
Drive Method	Center (preferred)/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Open surface enhances spray-through cleaning performance and airflow cooling performance, depending on the application.
- PVDF is a polymer material proven for long-term use in washer environments.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Available with split steel sprockets for longer sprocket life and easier replacement.
- Easy to retrofit from existing steel belting with virtually no conveyor changes.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
PVDF	PVDF	1000	1490	34 to 200	1 to 93	1.57	7.64
Polypropylene	Polypropylene	750	1120	34 to 220	1 to 104	0.82	4.00
Acetal	Polypropylene	900	1340	34 to 200	1 to 93	1.14	5.57

INTRALOX · STRAIGHT-RUNNING

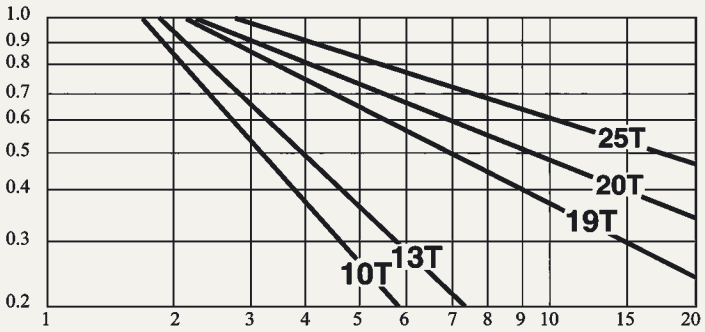
SERIES 9000

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
12	305	3	2	Minimum 3 in (76.2 mm) diameter rollers.
24	610	6	4	
36	914	9	6	
48	1219	12	8	
60	1524	15	10	
72	1829	18	12	
84	2134	21	14	
96	2438	24	16	
FOR OTHER WIDTHS, USE AN ODD NUMBER OF SPROCKETS AT MAXIMUM 4 IN (102 MM) CENTERLINE SPACING.[3]				

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 6 in (152.4 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets.
[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. See Center Sprocket Offset chart for lockdown location.



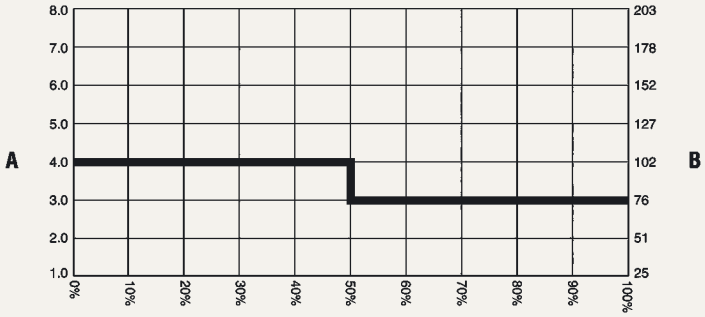
STRENGTH FACTOR — SPROCKET LINES 10T, 13T, 19T, 20T, 25T; Y-AXIS 0.2–1.0, X-AXIS SPEED/LENGTH RATIO 1–20

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A: 4.0 IN (102 MM) UP TO 50%, 3.0 IN (76 MM) ABOVE 50%

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Percentage of allowable belt strength utilized

A Sprocket spacing, in

B Sprocket spacing, mm

SPLIT METAL SPROCKET[4]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
20 (1.23%)	6.5	165	6.5	165	1.7	43	2-3/16, 2-7/16, 2-11/16, 3-7/16	2.5		
25 (0.8%)	8.1	206	8.1	206	1.7	43	2-7/16, 2-11/16, 3-7/16	2.5	90	

[4] Split metal sprocket is 316 stainless steel.



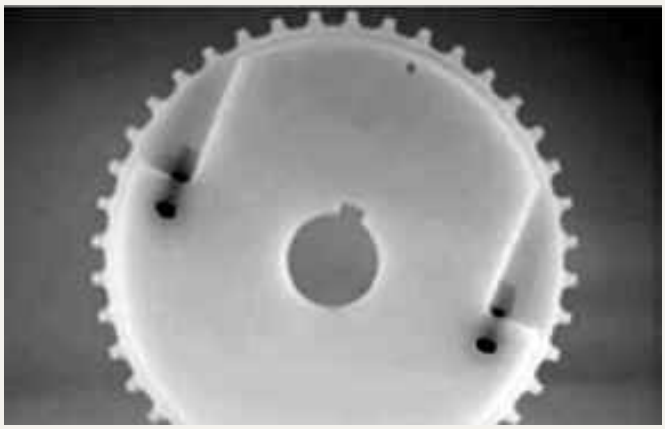
INTRALOX · STRAIGHT-RUNNING

SERIES 9000 289

UHMW POLYETHYLENE SPLIT SPROCKETS

UHMW POLYETHYLENE SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
40 (0.31%)	12.9	328	13.0	330	1.48	38	2-7/16, 2-11/16, 3-7/16		60	



UHMW POLYETHYLENE SPLIT SPROCKET

NYLON FDA SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
13 (2.90%)	4.2	107	4.2	107	1.48	38	1-1/4	1-1/2		40
19 (1.38%)	6.1	155	6.1	155	1.48	38	1-1/4	1-1/2		40



NYLON FDA SPLIT SPROCKET

ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
20 (1.23%)	6.5	165	6.5	165	0.75	19		1.5		

INTRALOX · STRAIGHT-RUNNING

SERIES 9000 289 (CONT.)



ACETAL SPROCKET

ENDURALOX POLYPROPYLENE COMPOSITE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
20 (1.23%)	6.5	165	6.5	165	1.48	38	2-7/16, 3-7/16		90	
25 (0.8%)	8.1	206	8.1	206	1.48	38	2-7/16, 3-7/16		90	
40 (0.31%)	12.9	328	13.0	330	1.48	38	2-11/16		60	



ENDURALOX POLYPROPYLENE COMPOSITE SPROCKETS

INTRALOX · STRAIGHT-RUNNING

SERIES 9000

FLAT TOP BASE FLIGHTS (NO-CLING)

FLAT TOP BASE FLIGHTS (NO-CLING)

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
3	76	Polypropylene, nylon



FLAT TOP BASE FLIGHT (NO-CLING)

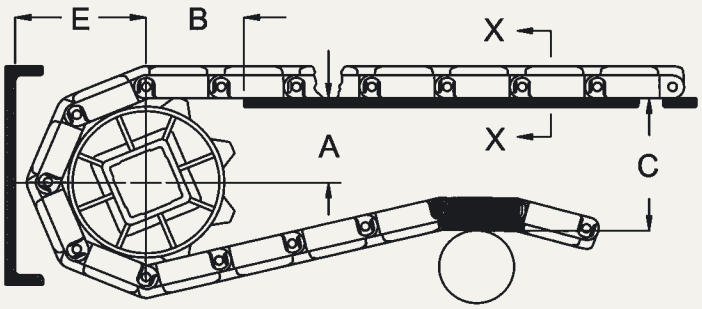
- No-Cling vertical ribs are on both sides of the flight.
- Each flight rises out of the center of its supporting module, molded as an integral part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Minimum indent without sideguards: 2.0 in (50.8 mm).

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X – A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S9000 FLUSH GRID										
3.3	84	10	1.30-1.38	33-35	1.65	42	3.26	83	1.95	50
4.2	107	13	1.80-1.86	46-47	1.85	47	4.22	107	2.42	61
6.1	155	19	2.78-2.82	71-72	2.23	57	6.14	156	3.38	86
6.5	165	20	2.94-2.98	75-76	2.35	60	6.46	164	3.54	90
8.1	206	25	3.75-3.78	95-96	2.63	67	8.06	205	4.34	110

INTRALOX · STRAIGHT-RUNNING

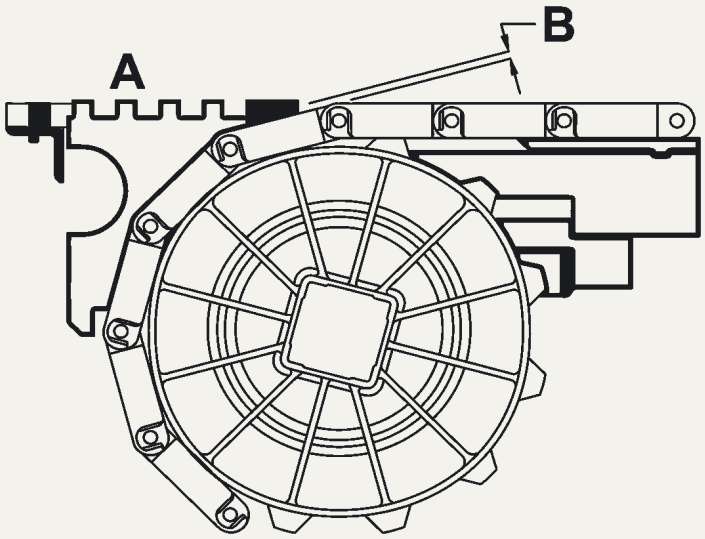
SERIES 9000 (CONT.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP — A: TOP SURFACE OF DEAD PLATE; B: DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
3.3	84	10	0.081	2.1
4.2	107	13	0.061	1.5
6.1	155	19	0.042	1.1
6.5	164	20	0.040	1.0
8.1	205	25	0.032	0.8

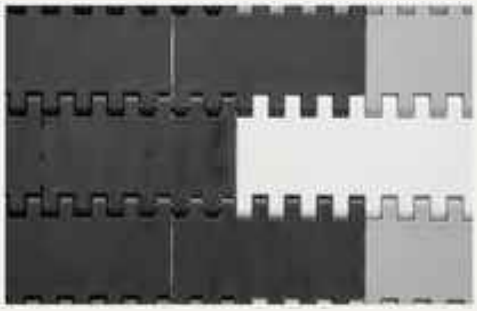
INTRALOX · STRAIGHT-RUNNING

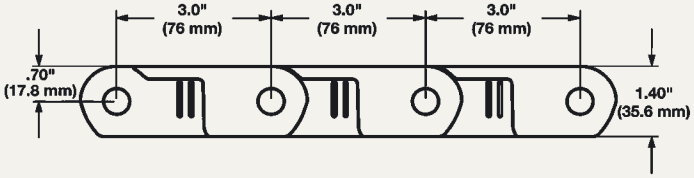
SERIES 10000 - FLAT TOP

FLAT TOP

	IN	MM
Pitch	3.0	76
Minimum Width	5.9	150
Maximum Width	153.5	3900
Width Increments	0.98	25
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Available in high strength electrically conductive acetal, which has a surface resistivity of 10^5 ohms per square.
- Slidelox are an acetal copolymer.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Wheel chock attachments are available.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.50 IN (12.7 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	10,000	14,882	-50 to 200	-46 to 93	6.36	31.05
HS EC acetal	Nylon	8,000	11,905	-50 to 200	-46 to 93	6.36	31.05

INTRALOX · STRAIGHT-RUNNING

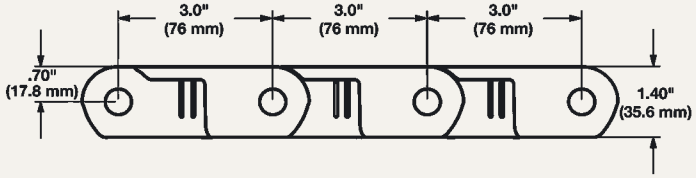
SERIES 10000 - MOLD TO WIDTH FLAT TOP

MOLD TO WIDTH FLAT TOP

	IN	MM
Pitch	3.0	76
Molded Widths	3.9	100
	7.9	200
Opening Size	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth, closed upper surface with fully flush edges.
- Available in high strength electrically conductive acetal, which has a surface resistivity of 10^5 ohms per square.
- Slidelox are an acetal copolymer.
- Detailed material information is provided at the beginning of Section 2: Product Line.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.50 IN (12.7 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2,500	1,134	-50 to 200	-46 to 93	2.08	3.10 · Belt width 3.9 in · 100 mm
Acetal	Nylon	5,800	2,631	-50 to 200	-46 to 93	4.15	6.18 · Belt width 7.9 in · 200 mm
HS EC acetal	Nylon	2,000	907	-50 to 200	-46 to 93	2.08	3.10 · Belt width 3.9 in · 100 mm
HS EC acetal	Nylon	4,700	2,132	-50 to 200	-46 to 93	4.15	6.18 · Belt width 7.9 in · 200 mm

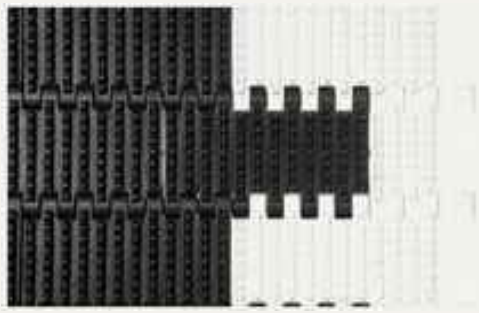
INTRALOX · STRAIGHT-RUNNING

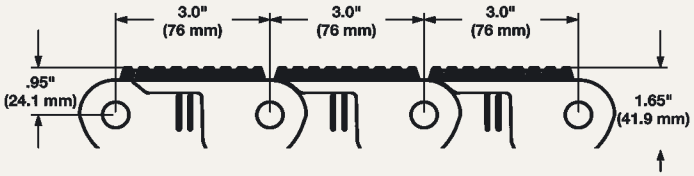
SERIES 10000 - NON SKID RAISED RIB

NON SKID RAISED RIB

	IN	MM
Pitch	3.0	76
Minimum Width	5.9	150
Maximum Width	153.5	3900
Width Increments	0.98	25
Opening Size (approximate)	-	-
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Closed upper surface with fully flush edges.
- Tread pattern provides a non-skid walking surface to increase safety.
- Edges have Flat Top surface, with no tread pattern.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Slidelox are an acetal copolymer.
- Available in high strength electrically conductive acetal, which has a surface resistivity of 10^5 ohms per square.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Wheel chocks are available. Use Series 10000 Flat Top modules to mount the wheel chocks.
- Finger plates are available to shed objects from the belt surface.
- Flat Top indent: 2.0 in (50 mm) from belt edge.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.50 IN (12.7 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HS EC acetal	Nylon	8,000	11,905	-50 to 200	-46 to 93	6.85	33.44

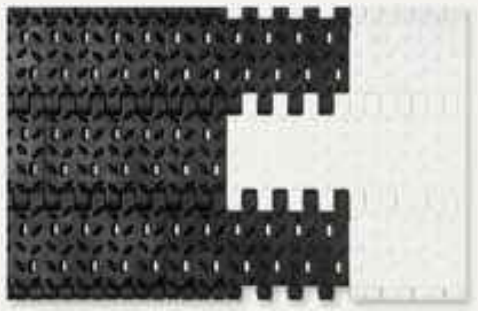
INTRALOX · STRAIGHT-RUNNING

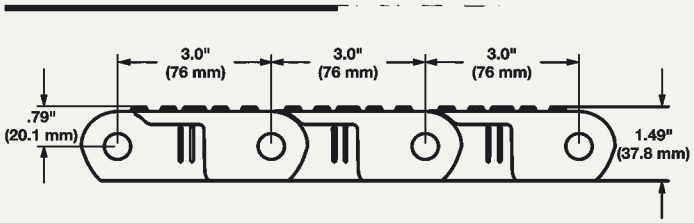
SERIES 10000 - NON SKID PERFORATED

NON SKID PERFORATED

	IN	MM
Pitch	3.00	76.2
Minimum Width	5.9	150
Maximum Width	153.5	3900
Width Increments	0.98	25
Opening Size (approximate)	0.10 × 0.31	2.8 × 7.9
Open Area	3%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Slidelox; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Fully flush edges have a Flat Top surface with no tread pattern.
- Open slots improve drainage. Diamond tread pattern provides a non-skid walking surface to increase safety.
- Available with yellow edges. Staggered yellow edges make it easy to distinguish the moving belt from the stationary floor.
- Slidelox are an acetal copolymer.
- Available in high strength electrically conductive acetal, which has a surface resistivity of 10^5 ohms per square.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Wheel chocks are available. Use Series 10000 Flat Top modules to mount the wheel chocks.
- Flat Top indent: 1.97 in (50.0 mm) from edge of belt.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.50 IN (12.7 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	10,000	14,882	-50 to 200	-46 to 93	6.48	31.64
HSEC acetal	Nylon	8,000	11,905	-50 to 200	-46 to 93	6.48	31.64

INTRALOX · STRAIGHT-RUNNING

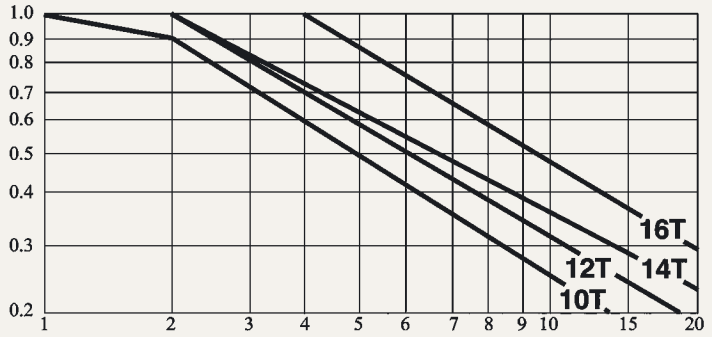
SERIES 10000

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
3	100	1	2	2
5.9	150	1	2	2
7.9	200	2	2	2
9.8	250	2	3	2
11.9	300	3	3	2
13.8	350	3	3	3
15.7	400	3	3	3
17.7	450	3	3	3
19.7	500	3	4	3
23.6	600	5	4	3
29.5	750	5	5	4
31.5	800	5	5	4
35.4	900	7	5	4
41.3	1050	7	6	5
47.2	1200	7	7	5
53.1	1350	9	7	6
59.1	1500	9	8	6
70.9	1800	13	9	7
82.7	2100	21	11	8
94.5	2400	23	12	9
118.1	3000	29	15	11
143.7	3650	35	17	13
145.7	3700	37	18	14
147.6	3750	37	18	14
149.6	3800	37	18	14
151.6	3850	37	18	14
153.5	3900	41	19	14
For other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing.[3]			Maximum 6 in (152 mm) centerline spacing	Maximum 12 in (305 mm) centerline spacing

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.97 in (50 mm) increments beginning with a minimum width of 3.94 in (100 mm).
[2] This number is a minimum. Heavy-load applications can require additional sprockets. Sprockets require a maximum 5.91 in (150 mm) centerline spacing.
*[3] Lock down the center sprocket. With only two sprockets, fix the sprocket on the drive journal side only. For lockdown location, see **Retainer Rings and Center Sprocket Offset**.*



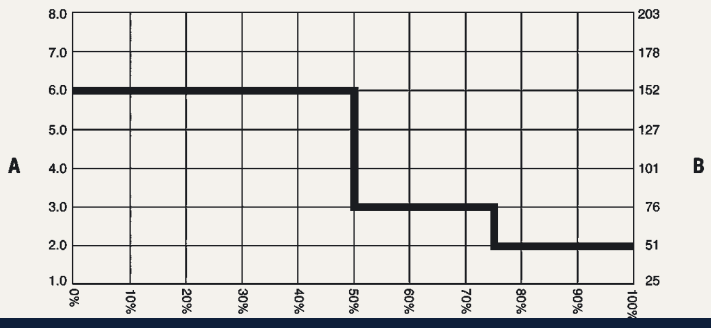
STRENGTH FACTOR — SPROCKET LINES 10T, 12T, 14T, 16T; Y-AXIS 0.2–1.0, X-AXIS SPEED/LENGTH RATIO 1–20

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



INTRALOX · STRAIGHT-RUNNING

SERIES 10000

NYLON SPROCKETS

NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
10 (4.70%)	9.9	251	9.7	246	1.5	38		3.5		90
12 (3.29%)	11.8	300	11.7	297	1.5	38		3.5		90
14 (2.43%)	13.7	348	13.6	345	1.5	38		3.5		90
16 (1.84%)	15.7	399	15.6	396	1.5	38		3.5	100, 120, 140	90



S10000 NYLON SPROCKET, SQUARE BORE

FLAT TOP WHEEL CHOCKS AND SIDE WHEEL CHOCKS

AVAILABLE HEIGHT		AVAILABLE WIDTH		AVAILABLE MATERIALS
IN	MM	IN	MM	
0.8	20	1.5	37	Nylon
1.6	40	4.9	125	Nylon
2	50	4.9	125	Nylon

• Fasteners and modified S10000 Flat Top modules are required.
• Minimum indent without wheel chocks is 2.0 in (50 mm).



FLAT TOP BELT WITH WHEEL CHOCKS

INSERT NUTS

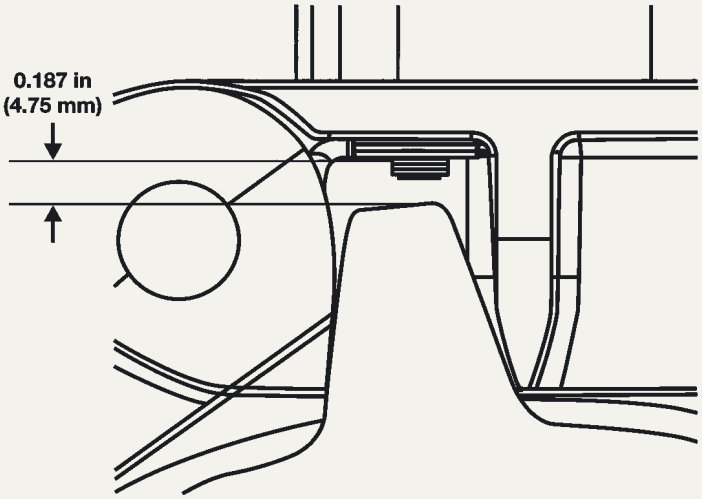
BASE BELT STYLE; MATERIAL	INSERT NUT SIZES
Flat Top; Acetal	6 mm–1 mm, 8 mm–1.25 mm

INTRALOX · STRAIGHT-RUNNING

SERIES 10000 (CONT.)



FLAT TOP MODULES WITH INSERT NUTS



0.187 IN (4.75 MM) CLEARANCE BETWEEN SPROCKET AND IN-LINE INSERT NUT

- Insert Nuts easily allow the attachment of fixtures to the belt.
- Insert nuts are square. The square flange ensures that the insert nut stays in place when the bolt is tightened or loosened.
- Ensure that attachments connected to more than one row do not prohibit belt rotation around the sprockets.
- All nut placement dimensions are referenced from the edge of the belt when placing an order. Contact Uniking Customer Service for nut location options available for your individual belt specifications.
- Sprockets can be located in-line with insert nuts if a 0.187 in (4.75 mm) clearance is maintained. Contact Uniking Customer Service for the appropriate bolt length to fit the application.
- The fastener torque specification: 40-45 in lb (4.5-5.0 N-m).
- Minimal indent from the edge of the belt: 1.22 in (31 mm)
- Minimal distance between nuts across the width of the belt 0.492 in (12.5 mm)
- Spacing along the length of the belt: 3 in (76 mm) increments.

INTRALOX · STRAIGHT-RUNNING

SERIES 10000

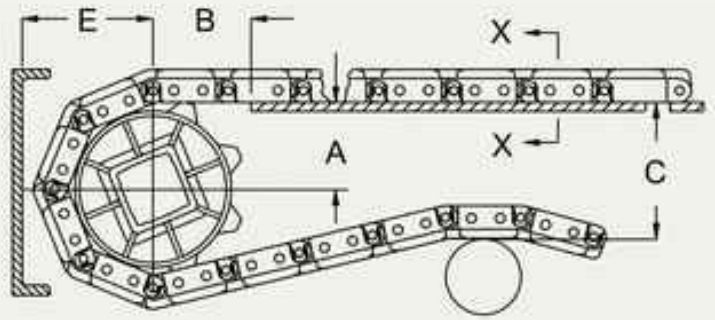
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X — TOLERANCES A ± 0.031 IN (1 MM), B ± 0.125 IN (3 MM), C ± (MAX.), E ± (MIN.)

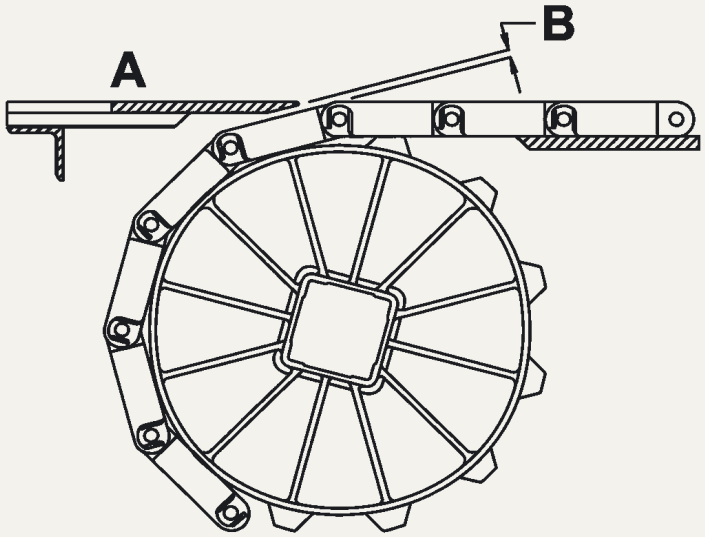
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S10000 FLAT TOP										
9.9	251	10	4.02-4.25	102-108	3.33	85	9.90	251	5.71	145
11.8	300	12	5.01-5.20	127-132	3.73	95	11.80	300	6.66	169
13.7	348	14	5.98-6.15	152-156	4.03	102	13.70	348	7.61	193
15.7	399	16	7.01-7.15	178-182	4.33	110	15.70	399	8.61	219
S10000 NON SKID RAISED RIB										
9.9	251	10	4.02-4.25	102-108	3.33	85	10.15	258	5.96	151
11.8	300	12	5.01-5.20	127-132	3.73	95	12.05	306	6.91	176
13.7	348	14	5.98-6.15	152-156	4.03	102	13.95	354	7.86	200
15.7	399	16	7.01-7.15	178-182	4.33	110	15.95	405	8.86	225
S10000 NON SKID PERFORATED										
9.9	251	10	4.02-4.25	102-108	3.33	85	9.99	254	5.80	147
11.8	300	12	5.01-5.20	127-132	3.73	95	11.89	302	6.75	171
13.7	348	14	5.98-6.15	152-156	4.03	102	13.79	350	7.70	196
15.7	399	16	7.01-7.15	178-182	4.33	110	15.79	401	8.70	221

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP — A: TOP SURFACE OF DEAD PLATE; B: DEAD PLATE GAP

SPROCKET DESCRIPTION	GAP

INTRALOX

RADIUS BELTS

PLASTIC MODULAR BELTING · SERIES DATA, SPROCKETS & ACCESSORIES

298 Product Line
299 Series 2100
303 Series 2200
315 Series 2300
323 Series 2400
353 Series 3000
358 Series 4000

INTRALOX · RADIUS

PRODUCT LINE

RADIUS BELTS

ENGINEERING PROGRAM ANALYSIS FOR SPIRAL AND RADIUS BELTS

Uniking can calculate the estimated belt pull for radius applications and ensure that the belt is strong enough for the application. Contact Uniking Customer Service for more information.

INFORMATION REQUIRED FOR AN ANALYSIS

- Any environmental conditions which can affect the friction coefficient. For dirty or abrasive conditions, use higher-than-normal friction coefficients.
- Belt width
- Length of each straight run
- Turning angle of each turn
- Turn direction of each turn
- Inside turn radius of each turn
- Carryway and hold down rail material
- Product load lbf/ft² (kgf/m²)
- Product accumulation conditions
- Belt speed
- Elevation changes in each section
- Operating temperatures

Uniking can help select radius belt and low-tension capstan drive spiral belts for your application. Contact Uniking Customer Service for more information.

INTRALOX · RADIUS

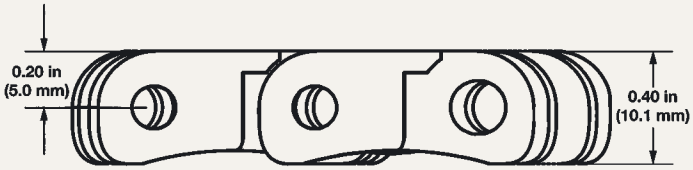
SERIES 2100 - ZERO TANGENT™ RADIUS FLAT TOP

ZERO TANGENT™ RADIUS FLAT TOP

	IN	MM
Row-to-Row Angle	1.33 degrees	
Maximum Width	55.12	1400
Minimum Width	7.87	200
Width Increments	7.87	200
Open Area	0%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt shape completely eliminates the need for straight sections before and after turns.
- Pitch distance changes, depending upon the location of the module from the center of the turn.
- Uses nylon rods.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uniking provides complete design guidelines, which minimize engineering design investment.
- Designed for radius applications with a minimum inside-turn radius of 23.62 in (600 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	907	1350	-50 to 200	-46 to 93	1.89	9.25

INTRALOX · RADIUS

SERIES 2100

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

BELT WIDTH RANGE		MINIMUM NUMBER OF SPROCKETS PER SHAFT[1]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
7.87	200	2	2	2
15.75	400	4	3	2
23.62	600	6	4	2
31.50	800	8	5	3
39.37	1000	10	6	3

For other widths, use an even number of sprockets at maximum sprocket spacing: 3.94 in (100 mm). Maximum carryway spacing: 7.87 in (200 mm). Maximum returnway spacing: 15.75 in (400 mm)
[1] Lock down all sprockets.

NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	2.3	58	2.4	61	1.0	25	1-7/16	-	40	-
12 (3.41%)	2.6	66	2.7	70	1.0	25	1-7/16	-	40	-
12 (3.41%)	3.0	76	3.1	78	1.0	25	1-7/16	-	40	-
12 (3.41%)	3.3	84	3.4	87	1.0	25	1-7/16	-	40	-
12 (3.41%)	3.7	94	3.8	96	1.0	25	1-7/16	-	40	-
12 (3.41%)	4.0	102	4.1	104	1.0	25	1-7/16	-	40	-
12 (3.41%)	4.4	112	4.5	113	1.0	25	1-7/16	-	40	-
12 (3.41%)	4.7	119	4.8	122	1.0	25	1-7/16	-	40	-
12 (3.41%)	5.1	130	5.1	131	1.0	25	1-7/16	-	40	-
12 (3.41%)	5.4	137	5.5	139	1.0	25	1-7/16	-	40	-
12 (3.41%)	5.8	147	5.8	148	1.0	25	1-7/16		40	
12 (3.41%)	6.2	157	6.2	157	1.0	25	1-7/16		40	
12 (3.41%)	6.5	165	6.5	165	1.0	25	1-7/16		40	
12 (3.41%)	6.9	175	6.9	174	1.0	25	1-7/16		40	

[2] Sprockets are made of non-FDA nylon.



S2100 NYLON SPROCKET, ROUND BORE



S2100 NYLON SPROCKET, KEYED ROUND BORE

INTRALOX · RADIUS

SERIES 2100

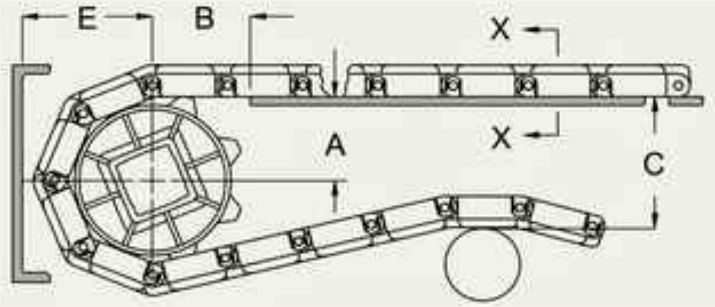
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

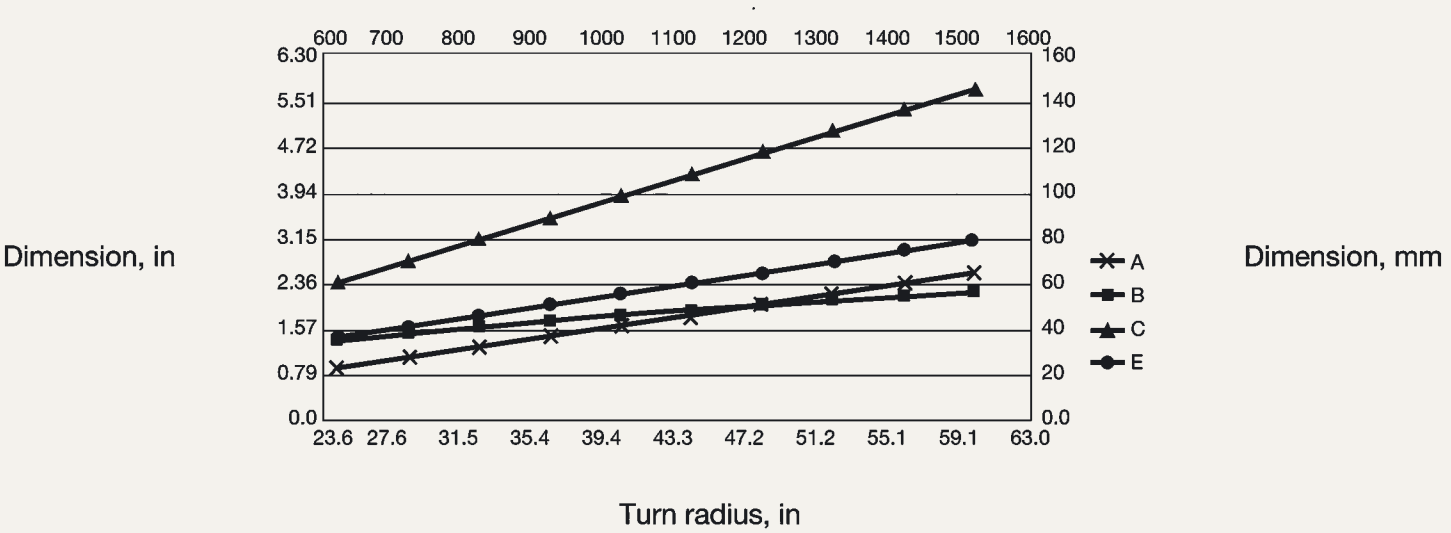
For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

TOLERANCES

- A ± 0.031 in (1 mm)
- B ± 0.125 in (3 mm)
- C ± (max.)
- E ± (min.)



CONVEYOR FRAME DIMENSIONS – DIMENSION (IN / MM) VS. TURN RADIUS (IN / MM) FOR CURVES A, B, C AND E

CONVEYOR FRAME DIMENSIONS – FORMULAS

- A 0.043TR-0.20 in (-5 mm)
- B 0.022TR+.0.82 in (+20 mm)
- C 0.089TR-0.01 in (-.25 mm)
- E 0.045TR+.0.26 in (+6 mm)
- TR = turn radius

INTRALOX · RADIUS

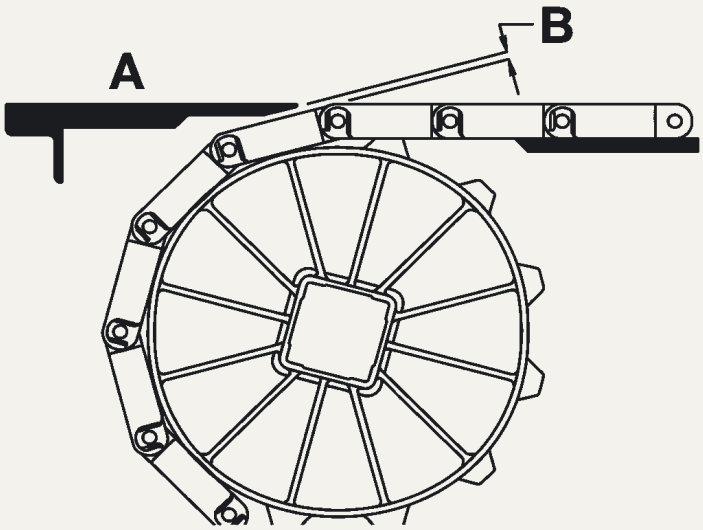
SERIES 2100 (CONT.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

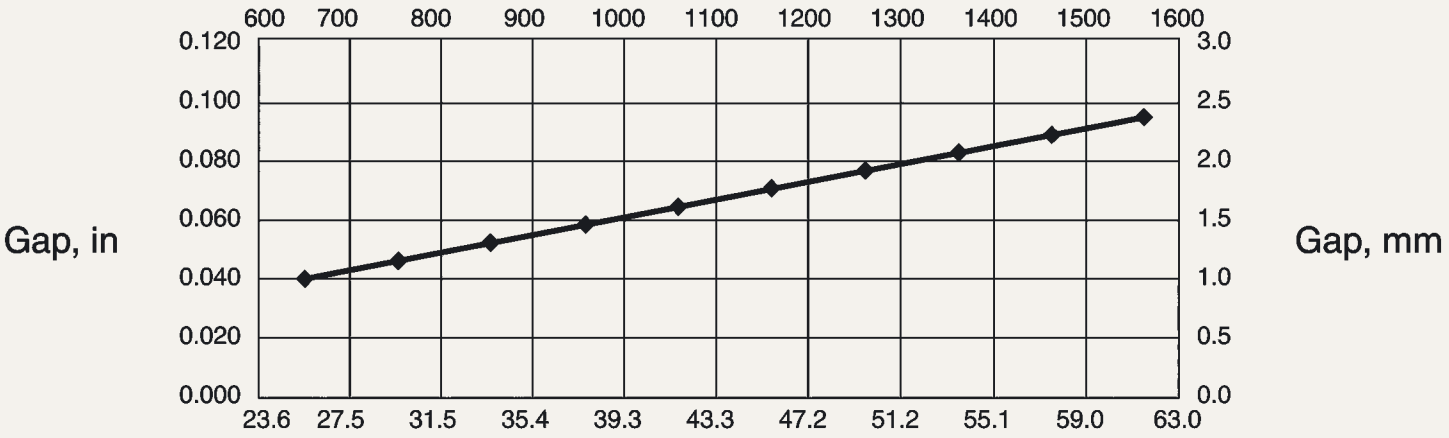
NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET

DEAD PLATE CALLOUTS

- A Top surface of dead plate
- B Dead plate gap



DEAD PLATE GAP – GAP (IN / MM) VS. TURN RADIUS (IN / MM)

DEAD PLATE GAP – FORMULA

- Gap = 0.0015TR
- TR = turn radius

INTRALOX · RADIUS

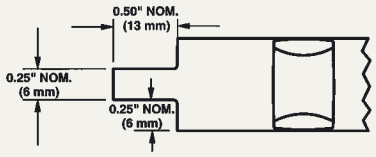
SERIES 2200 - RADIUS FLUSH GRID

RADIUS FLUSH GRID

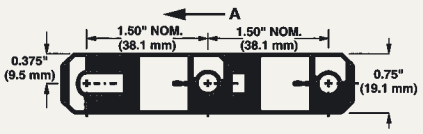
	IN	MM
Pitch	1.50	38.1
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Product Contact Area	37%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







Series 2200 Tab Edge dimensions



A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Flush edge or tab edge available.
- Belt openings pass straight through belt, providing easy cleaning.
- Lightweight, strong belt with a smooth surface grid.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Non-sliding drive system reduces belt and sprocket wear, and provides low back tension.
- Designed for radius applications with a minimum turn radius of 2.2 times belt width (measured from inside edge).
- Tab edge belt width measurement does not include tabs. Tabs extend approximately 0.5 in (13 mm) × 0.25 in (6 mm) on each side of belt, inside wearstrip.
- Maximum belt width in turns: 36 in (914 mm)

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1600	2380	34 to 200	1 to 93	1.86	9.10 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Polyethylene[1]	Acetal	1000	1490	-50 to 150	-46 to 66	1.96	9.56 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	2500	3720	-50 to 200	-46 to 93	2.82	13.80 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

INTRALOX · RADIUS

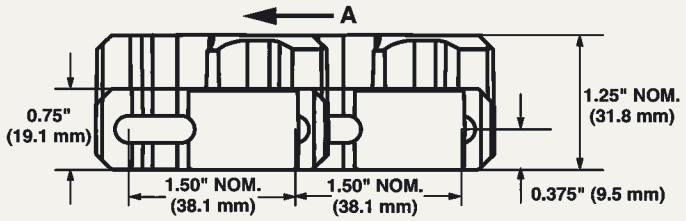
SERIES 2200 - RADIUS FLUSH GRID HIGH DECK

RADIUS FLUSH GRID HIGH DECK

	IN	MM
Pitch	1.50	38.1
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Product Contact Area	37%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Makes turns with an inside radius of 2.2 times the belt width.
- Provides more beam strength than the standard S2200 belt. This feature can reduce retrofit costs in spirals.
- Uses standard S2200 wearstrips.
- 0.5 in (12.7 mm) higher than the standard S2200 belt.
- Standard indent: 1.25 in (31.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2500	3720	-50 to 200	-46 to 93	3.66	17.87 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Polypropylene	Acetal	1600	2381	34 to 200	1 to 93	2.41	11.77 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

[1] *(Straight belt strength) When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain their published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).*

INTRALOX · RADIUS

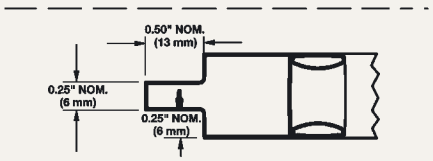
SERIES 2200 - RADIUS FRICTION TOP

RADIUS FRICTION TOP

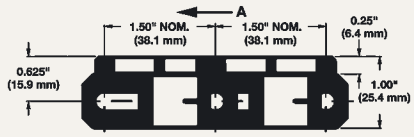
	IN	MM
Pitch	1.50	38.1
Minimum Width	5	127
Width Increments	1.00	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







S2200 Tab Edge dimensions



A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Flush edge or tab edge available.
- Belt openings pass straight through belt to simplify cleaning.
- Available in grey polypropylene with grey rubber, white polypropylene with white rubber, and natural polyethylene, with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Non-sliding drive system provides reduced belt and sprocket wear, and low back-tension.
- Designed for radius applications with a minimum turn radius of 2.2 times the belt width (measured from the inside edge).
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Tab edge belt width measurement does not include tabs. (Tabs extend approximately 0.5 in (13 mm) × 0.25 in (6 mm) on each side of belt, inside the wearstrip.)
- Molded indent: 1.75 in (44.5 mm).
- Maximum belt width in turns: 36 in (914 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1600	2380	34 to 150	1 to 66	2.20	10.74 · Base/Friction Color: Grey/Grey · Curved Belt Strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 64 Shore A · FDA (USA): — · EU MC: —
							10.74 · Base/Friction Color: White/White · Curved Belt Strength:

INTRALOX · RADIUS

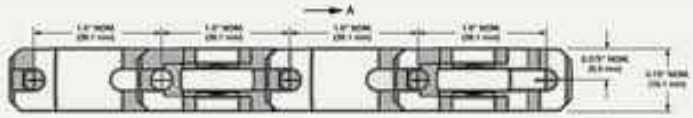
SERIES 2200 - RADIUS WITH EDGE BEARING

RADIUS WITH EDGE BEARING

	IN	MM
Pitch	1.50	38.1
Minimum Width (Bearings one side)	7	178
Minimum Width (Bearings both sides)	9	229
Width Increments	1.00	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Product Contact Area	37%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Both flush edge and tab edge are available for belts with bearings on only one side. Flush edge and tab edge must be placed on the outside edge of the turn.
- Rod retention allows for easier insertion and removal of rods.
- Edge bearings are only available for turning belts.
- Bearings are available on one side for belts that turn in only one direction or on both sides for belts that turn in both directions.
- Bearings must be configured in every other row of the belt.
- Bearings are chrome steel, recommended for dry applications only.
- Bearings are retained with a stainless pin.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Bearings must be placed on the inside edge of the turn.
- Designed for radius applications with a minimum turn radius of 2.2 times the belt width (measured from the inside edge of the wearstrip channel).
- Contact Uniking to determine if edge bearings are suitable for the intended application.
- Maximum belt speed: 350 fpm (107 mpm).
- The plastic portion of the bearing edge is indented 0.125 in (3.2 mm). Belt width is measured to the end of the bearing.
- Belts with bearings on one side work with standard edge, hold down wearstrips with a 0.50 in (12.7 mm) deep channel.
- Belts with bearings on both sides require the wearstrip on the outside of the turns to have at least a 0.75 in (19.1 mm) deep channel.
- Maximum belt width: 36 in (914 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2000	2976	-50 to 200	-46 to 93	2.82	13.80 · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations.

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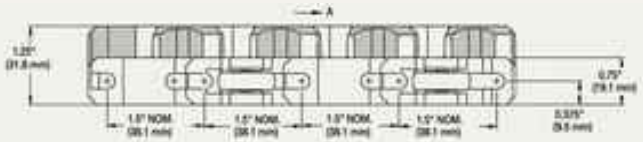
SERIES 2200 - RADIUS FLUSH GRID HIGH DECK WITH EDGE BEARING

RADIUS FLUSH GRID HIGH DECK WITH EDGE BEARING

	IN	MM
Pitch	1.50	38.1
Minimum Width (bearings one side)	7.0	177.8
Minimum Width (bearings both sides)	9.0	228.6
Width Increments	1.0	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Product Contact Area	37%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Occluded edge rod retention provides easier rod insertion and removal.
- Bearings are chrome steel, and are retained in the belt using a stainless pin.
- Bearings are placed in every other row of the belt, on the inside edge of the turn.
- Edge bearings are only available for turning belts. Bearings are available on one side for belts that turn in only one direction or on both sides for belts that turn in both directions.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Edge bearings are only recommended for dry applications.
- Contact Uniking to determine if edge bearings are suitable for the intended application.
- Designed for radius applications with a minimum turn radius of 2.2 times the belt width, measured from the inside edge of the wearstrip channel.
- 0.5 in (12.7 mm) higher than the standard S2200 belt.
- Standard indent: 1.75 in (44.5 mm).
- The plastic portion of the bearing edge is indented 0.125 in (3.2 mm). Belt width is measured to the end of the bearing.
- Belts with bearings on one side work with standard edge, hold down wearstrips with a 0.50 in (12.7 mm) deep channel.
- Belts with bearings on both sides require the wearstrip on the outside of the turns to have at least a 0.75 in (19.1 mm) deep channel.
- Maximum belt width: 36 in (914 mm).
- Maximum belt speed: 350 fpm (107 meters per minute).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	2000	2976	-50 to 200	-46 to 93	3.66	17.87 · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations.

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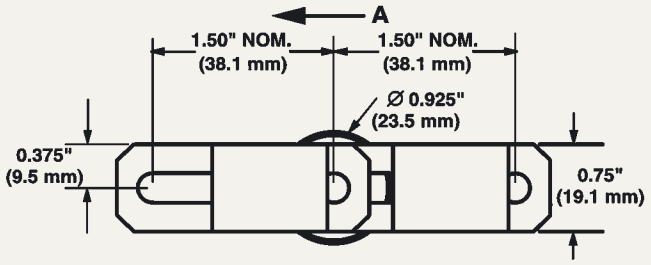
SERIES 2200 - RADIUS FLUSH GRID (2.6) WITH INSERT ROLLERS

RADIUS FLUSH GRID (2.6) WITH INSERT ROLLERS

	IN	MM
Pitch	1.50	38.1
Minimum Width	7	178
Width Increments	1.00	25.4
Opening Size (approximate)	0.50 × 0.75	12.7 × 19.7
Open Area	50%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Flush edge or tabbed edge available.
- Uses acetal rollers.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For applications where low back-pressure accumulation is required.
- Do not place sprockets inline with rollers.
- Product accumulation load is 5% to 10% of product weight.
- For low back-pressure applications, place wearstrips between rollers. For driven applications, place wearstrips directly under rollers.
- Tab edge belt width does not include tabs. (Tabs extend approximately 0.5 in (13 mm) × 0.25 in (6 mm) on each side of belt, inside wearstrip.)
- Belts 16 in (406 mm) wide and less have a turn radius of 2.2 times the belt width. Wider belts have a turn radius of 2.6 times the belt width.
- For applications that require a belt width greater than 24 in (610 mm), contact Uniking Customer Service.
- Standard roller spacing across belt width: staggered - 4 in (102 mm) or inline - 2 in (51 mm), 3 in (76 mm), or 4 in (102 mm).
- Standard roller spacing along belt length: staggered - 1.5 in (38.1 mm) or inline - 3 in (76.2 mm).
- Custom roller placement is available. Contact Uniking Customer Service for more information.
- Minimum roller indent: 2.5 in (63.5 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
							9.08 · Straight belt strength (2 in / 51 mm roller width spacing): 400 lb/ft, 600 kg/m · 3 in / 7.6 mm: 710 lb/ft, 1060 kg/m · 4 in / 102 mm:

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SERIES 2200

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

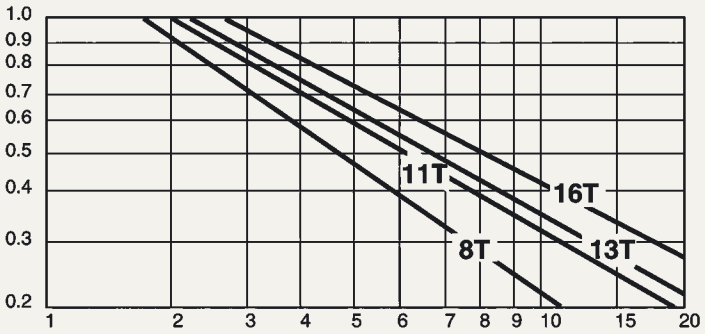
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS[3]	
IN	MM		CARRYWAY	RETURNWAY
5	127	2	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
10	254	3	3	2
12	305	3	3	2
14	356	5	3	3
15	381	5	3	3
16	406	5	3	3
18	457	5	3	3
20	508	5	4	3
24	610	7	4	3
30	762	9	5	4
32	813	9	5	4
36	914	9	5	4
42	1067	11	6	5
48	1219	13	7	5
54	1372	15	7	6
60	1524	15	8	6
72	1829	19	9	7
84	2134	21	11	8
96	2438	25	12	9
120	3048	31	15	11
144	3658	37	17	13

For other widths, use an odd number of sprockets at maximum 4 in (102 mm) centerline spacing. Carryway wearstrips: maximum 9 in (229 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.

[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 5 in (127 mm). Intralox does not recommend turning belts wider than 36 in (914 mm). For turning applications that require wider belts, contact Uniking Customer Service.

[2] This number is a minimum. Heavy-load applications can require additional sprockets (place sprockets every inch for heavily loaded applications). For lockdown location, see Retainer Rings and Center Sprocket Offset.

[3] The number of wearstrips given does not include the hold down wearstrip.



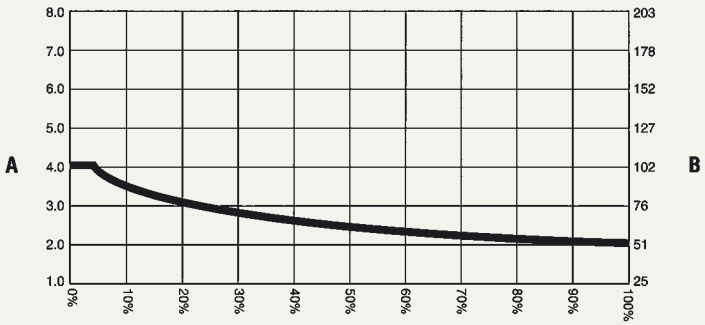
STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 8T, 11T, 13T AND 16T SPROCKETS

STRENGTH FACTOR

Speed/length ratio (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

› Percentage of allowable belt strength utilized (horizontal axis)

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SERIES 2200

MOLDED SPROCKET

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	3.9	99	4.0	102	1.0	25		1.5		40
13 (2.91%)	6.3	160	6.4	163	1.0	25		2.5		60
16 (1.92%)	7.7	196	7.8	198	1.0	25		1.5		40
								2.5		60



MOLDED SPROCKET

EZ CLEAN™ SPROCKET[1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
11 (4.05%)	5.3	135	5.4	137	1.0	25		1.5		40
13 (2.91%)	6.3	160	6.4	163	1.0	25		1.5		40

[1] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain the published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).



EZ CLEAN™ SPROCKETS

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SERIES 2200 (CONT.)

ACETAL SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES — U.S.		AVAILABLE BORE SIZES — METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
13 (2.91%)	6.3	160	6.4	163	1.5	38	1.5, 1-7/16[2]	1.5		

[2] Tight fit round bore.



ACETAL SPLIT SPROCKET

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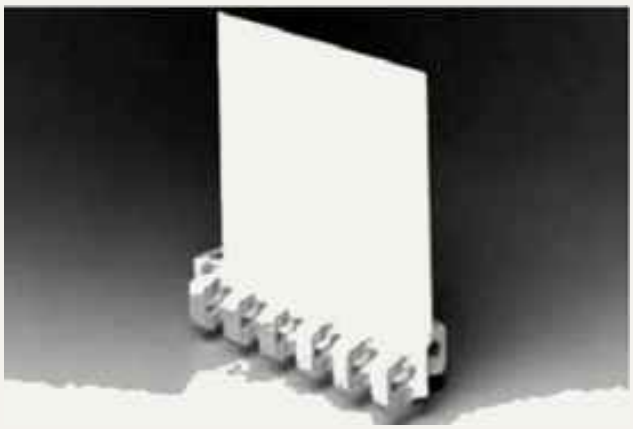
SERIES 2200

STREAMLINE FLIGHTS

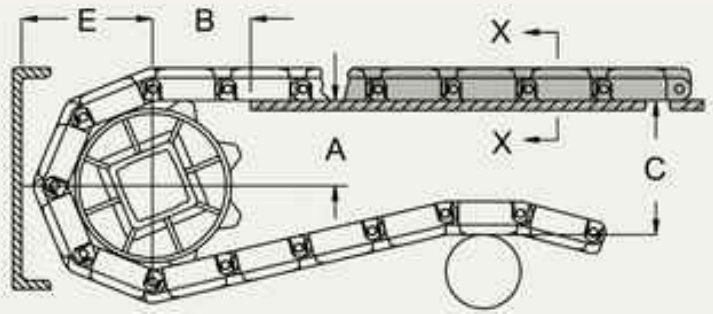
STREAMLINE FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
4	102	Polypropylene, polyethylene, acetal

- Streamline flights are smooth on both sides.
- Each flight rises out of the center of a supporting module, molded as one part. No fasteners are required.
- Custom flight heights are available. Contact Uniking Customer Service for more information.
- Flights are available in linear increments of 1.5 in (38 mm).
- Standard indent: 0.625 in (15.9 mm).



STREAMLINE FLIGHT ON BELT



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.

TOLERANCES

- A ± 0.031 in (1 mm)
- B ± 0.125 in (3 mm)
- C ± (max.)
- E ± (min.)

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2200 RADIUS FLUSH GRID, RADIUS WITH EDGE BEARING										
3.9	99	8	1.44	37	1.93	49	3.92	100	2.40	61
5.3	135	11	2.18	55	2.27	58	5.32	135	3.10	79
6.3	160	13	2.67	68	2.52	64	6.27	159	3.57	91
7.7	196	16	3.40	86	2.78	71	7.69	195	4.28	109
S2200 RADIUS FRICTION TOP										
3.9	99	8	1.44-1.58	36-40	1.93	49	4.17	106	2.65	67
5.3	135	11	2.18-2.29	55-58	2.27	58	5.57	142	3.35	85
6.3	160	13	2.67-2.76	68-70	2.52	64	6.52	166	3.82	97
7.7	196	16	3.40-3.47	86-88	2.78	71	7.94	202	4.53	115
S2200 RADIUS FLUSH GRID WITH INSERT ROLLERS										
3.9	99	8	1.44-1.58	36-40	1.93	49	4.00	102	2.48	63
5.3	135	11	2.18-2.29	55-58	2.27	58	5.42	138	3.19	81
6.3	160	13	2.67-2.76	68-70	2.52	64	6.36	162	3.66	93

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SERIES 2200

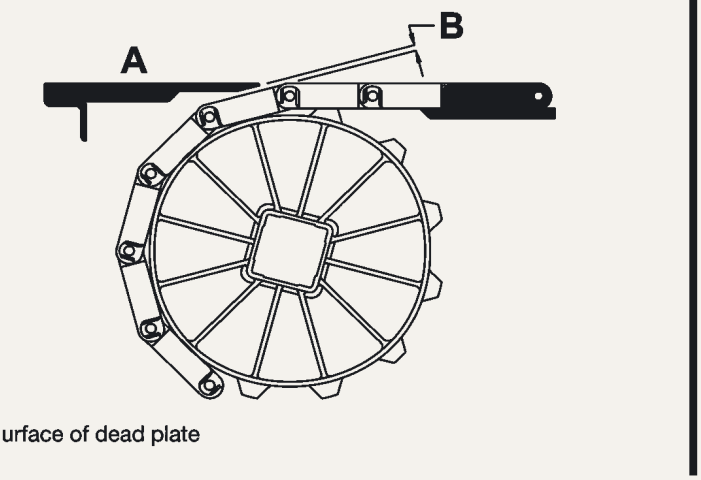
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
3.9	99	8	0.150	3.8
5.3	135	11	0.108	2.8
6.3	160	13	0.091	2.3
7.7	196	16	0.074	1.9

HOLD DOWN RAILS AND WEARSTRIPS

Intralox recommends using continuous hold down rails through an entire turn. Start the rails at a distance of 1X the belt width before the turn and ending 1X the belt width after the turn. This recommendation applies to both carryway and returnway. The use of hold down rails along both side of the belt over the full carryway is recommended but not mandatory.

Series 2200 is available with and without an edge tab. A wearstrip style is available for each edge style. The tab edge design allows the belt to be held down without the wearstrip interfering with the carryway surface. See *Custom Wearstrips*.

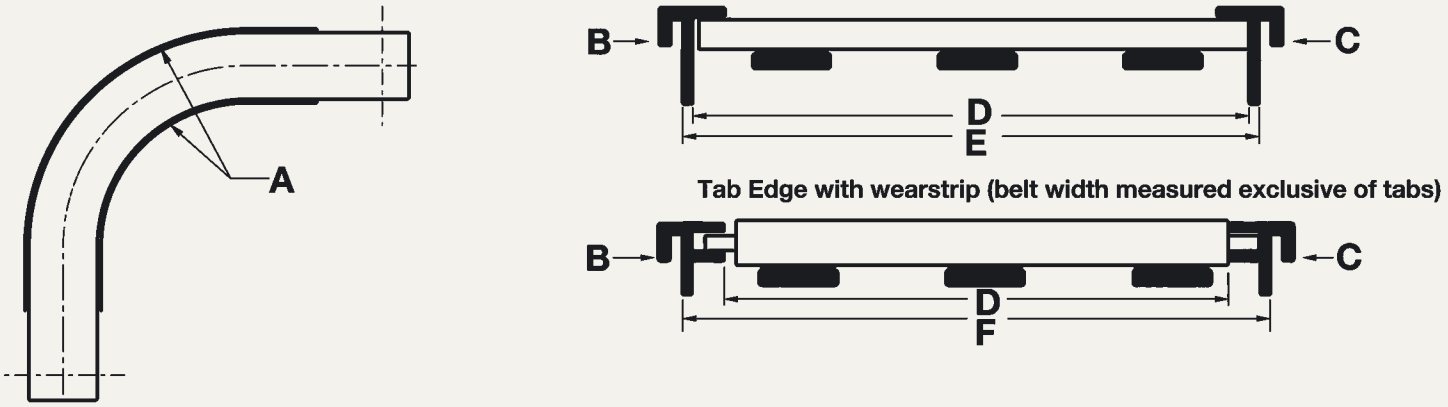


FIGURE 6: HOLD DOWN RAILS AND WEARSTRIPS FOR SERIES 2200 FLAT-TURNING BELTS. A – HOLD DOWN RAIL PLACEMENT; B – OUTSIDE HOLD DOWN RAIL; C – INSIDE HOLD DOWN RAIL; D – BELT WIDTH + 0.19" (5 MM); E – BELT WIDTH + 0.52" (13 MM); F – BELT WIDTH + 1.57" (40 MM). TOP: FLUSH EDGE WITH WEARSTRIP. BOTTOM: TAB EDGE WITH WEARSTRIP (BELT WIDTH MEASURED EXCLUSIVE OF TABS).

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service.

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SERIES 2200

S2200 DESIGN GUIDE SUMMARY

S2200 DESIGN GUIDE SUMMARY

For more information, see the *Installation, Maintenance & Troubleshooting Manual* available from Uniking.

- **A** The minimum and recommended turn radius for S2200 is 2.2 times the belt width, measured from the inside edge.
- **B** The minimum straight run required between turns of opposing direction is 2.0 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to drive shaft) must be a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 x belt width) require a weighted take up to avoid sprocket wear and tracking problems. See *Special Take-Up Arrangements*.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.
- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft

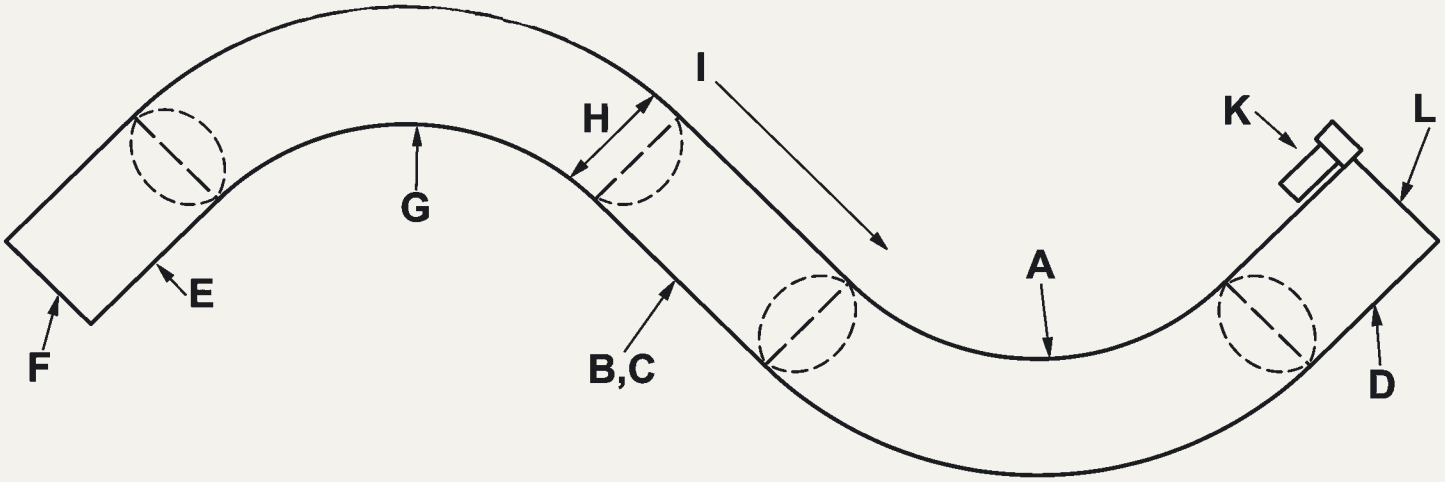


FIGURE 7: TYPICAL TWO-TURN RADIUS LAYOUT

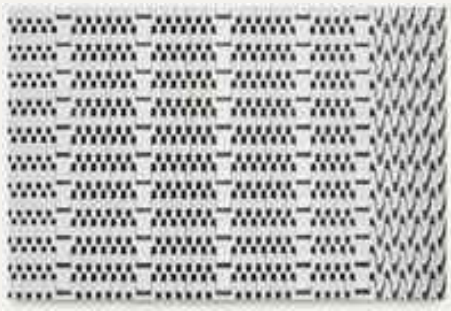
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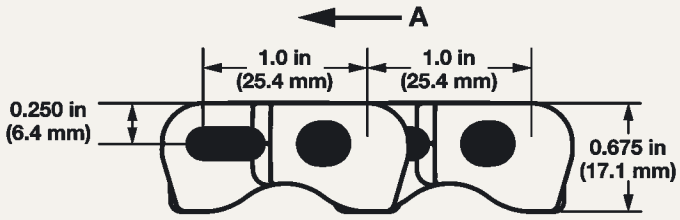
SERIES 2300 · FLUSH GRID NOSE-ROLLER TIGHT TURNING

FLUSH GRID NOSE-ROLLER TIGHT TURNING

	IN	MM
Pitch	1.0	25.4
Minimum Width	12.0	305
Maximum Width	30.0	762
Width Increments	3.0	76.2
Maximum Opening Size (Sphere)	0.245	6.2
Open Area (fully extended)	28%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smooth upper surface provides free product movement.
- Smaller opening size enhances belt safety.
- Available with tight turning modules built on one side.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprockets have large lug teeth that enhance sprocket life.
- Can make 180-degree turns.
- Minimizes floor space requirements.
- Minimum back tension required.
- Belts can turn either clockwise or counterclockwise. Turning direction must be specified at order. Not available for S-turn applications.
- Designed for sideflexing applications with a minimum turn radius of 1.7 times belt width (measured from inside edge).
- Underside design allows the belt to run smoothly around a 0.75 in (19.1 mm) nosebar.
- Turn radius for belts 12.0 in–27.0 in (305–685.8 mm): 1.7 times belt width.
- Turn radius for belts 30.0 in (762 mm): 1.75 times belt width.
- Sprocket placement: every 3.00 in (76.2 mm) from outer edge, except drive pocket nearest inner edge. Drive pocket nearest inner edge is 3.75 in (95.3 mm) from inner edge.

BELT DATA

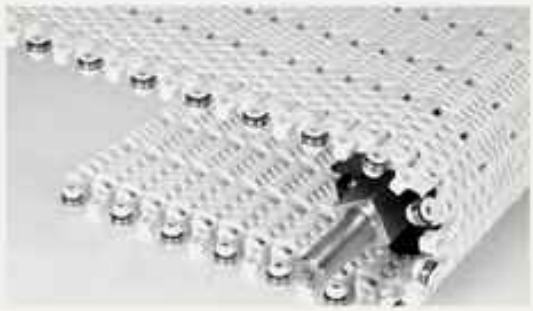
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	900	1339	-50 to 200	-46 to 93	2.40	11.72 · Contact Uniking Customer Service for curved belt strength calculations.

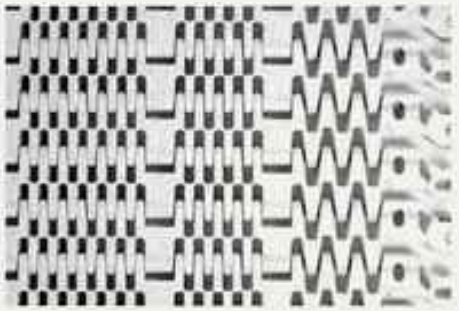
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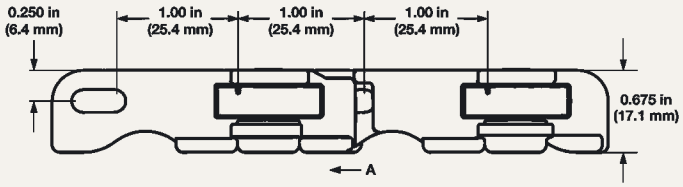
SERIES 2300 · FLUSH GRID NOSE-ROLLER TIGHT TURNING WITH EDGE BEARING

FLUSH GRID NOSE-ROLLER TIGHT TURNING WITH EDGE BEARING

	IN	MM
Pitch	1.00	25.4
Minimum Width	12.0	305
Maximum Width	30.0	762
Width Increments	3.0	76.2
Maximum Opening Size (sphere)	0.245	6.2
Open Area	28%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Smaller opening size enhances belt safety.
- Edge bearings are available on one side of the belt. Bearings must be placed on the inside edge of the turn, and must be configured in every other row of the belt.
- Edge bearings are stainless steel and are retained by stainless steel pins.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for sideflexing applications with a minimum turn radius of 1.7 times belt width (measured from inside edge).
- Belts can turn either clockwise or counterclockwise. Turn direction must be specified when ordering. Not available for S-turn applications.
- See Series 2300 Flush Grid Nose-Roller Tight Turning Design Guidelines for information about nosebar placement.
- Contact Uniking to determine if edge bearings are suitable for each application.
- Turn radius for belts 12.0 in–27.0 in (305 mm–685.8 mm): 1.7 times belt width.
- Turn radius for belts 30.0 in (762 mm): 1.75 times belt width.
- Underside design allows the belt to run smoothly around a 0.75-in (19.1-mm) nosebar.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
Acetal	Nylon	900	1339	0 to 200	-17.8 to 93	2.40	11.72 · Contact Uniking Customer Service for curved belt strength calculations.

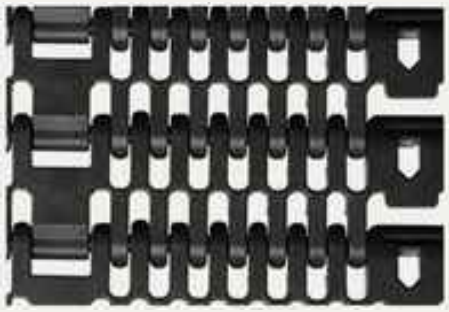
INTRALOX · RADIUS

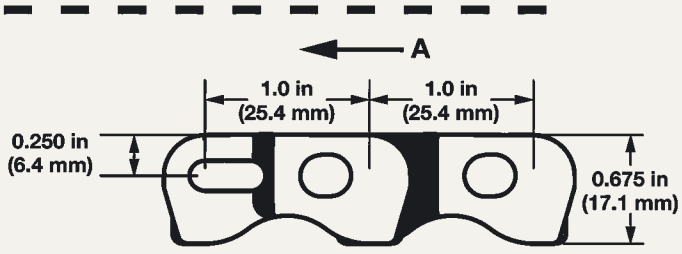
SERIES 2300 · FLUSH GRID NOSE-ROLLER DUAL TURNING

FLUSH GRID NOSE-ROLLER DUAL TURNING

	IN	MM
Pitch	1.0	25.4
Minimum Width	12	305
Maximum Width	36	914
Width Increments	3	76.2
Opening Size (Sphere)	0.245	6.2
Open Area	28%	
Hinge Style	Closed	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Contact Uniking to determine the strength requirement of most radius applications and ensure the belt is strong enough for the application.
- Minimizes floor space requirements.
- Can be used in S-turn applications.
- Unheaded rods simplify maintenance.
- Sprockets have large lug teeth that enhance sprocket life.
- Underside design allows the belt to run smoothly around a 0.75-in (19.1 mm) nosebar.
- Designed for sideflexing applications with a minimum turn radius of 2.2 times belt width (measured from inside edge) for widths up to 27 in (685 mm). For widths 30 in (762 mm) to 36 in (914 mm), use 2.3 times belt width for minimum turn radius.
- Sprocket placement: every 3.00 in (76.2 mm) from outer edge, except drive pocket nearest flush edge. Drive pocket nearest flush edge is 3.75 in (95.3 mm) from belt edge.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	900	1339	-50 to 200	-46 to 93	2.40	11.72 · For curved belt strength calculations, contact Uniking Customer Service.

INTRALOX · RADIUS

SERIES 2300

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

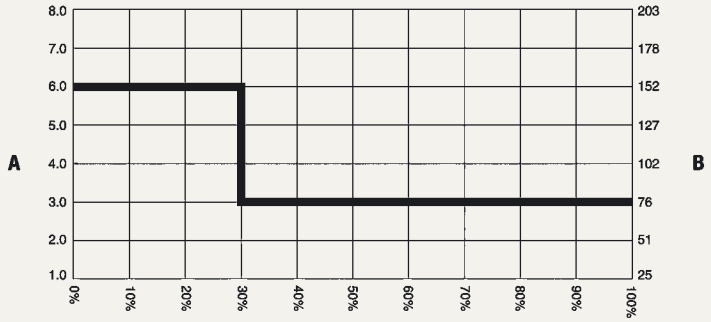
BELT WIDTH RANGE		MINIMUM NUMBER OF SPROCKETS PER SHAFT[1]	WEARSTRIPS[2]	
IN	MM		CARRYWAY[3]	RETURNWAY
12	305	2	3	2
15	381	3	3	3
18	457	3	3	3
21	533	4	4	3
24	610	4	4	3
27	686	5	5	4
30	762	5	5	4

1 This number is a minimum. Heavy-load applications can require additional sprockets.
2 The number shown is the minimum quantity, and does not include hold down wearstrips.
3 Place wearstrips between drive sprockets. See Carryway Wearstrip Location from Edge of Belt table for dimension values.

CARRYWAY WEARSTRIP LOCATION FROM EDGE OF BELT

WEARSTRIP[4]	DISTANCE FROM EDGE		BELT WIDTH	
	IN	MM	IN	MM
1	1.5	38	12–30	305–762
2	4.5	114	12–30	305–762
3	7.5	191	12–30	305–762
4	10.5	267	12–30	305–762
5	13.5	343	15–30	381–762
6	16.5	419	18–30	457–762
7	19.5	495	21–30	533–762
8	22.5	572	24–30	610–762
9	25.5	648	27–30	686–762
10	28.5	724	30	762

4 1.0 in (25.4 mm) minimum wearstrip width

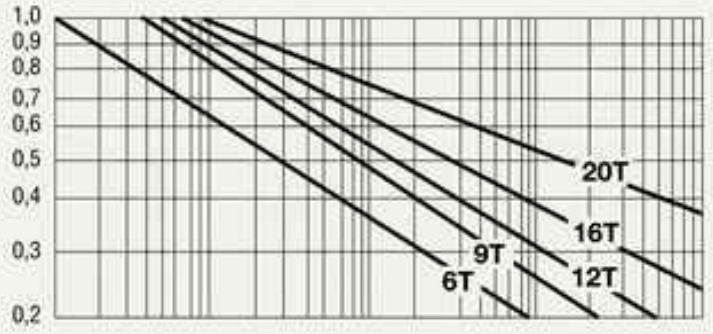


SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED. A – SPROCKET SPACING, IN; B – SPROCKET SPACING, MM

SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

Percentage of allowable belt strength utilized.

A – Sprocket spacing, in
B – Sprocket spacing, mm



STRENGTH FACTOR – CURVES FOR 6T, 9T, 12T, 16T AND 20T SPROCKETS PLOTTED AGAINST SPEED/LENGTH RATIO (V/L)

STRENGTH FACTOR

Speed/length ratio (V/L). Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See *Belt Selection Instructions* for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · RADIUS

SERIES 2300 (CONT.)

NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.9	48	1.25	1.5	30, 40	40
18 (1.52%)	5.8	147	5.9	150	1.9	38	1.25, 1-7/16	1.5	40	40
20 (1.52%)	6.4	163	6.5	165	1.9	38	1.25, 1-7/16	1.5	40	40



NYLON SPLIT SPROCKET

INTRALOX · RADIUS

SERIES 2300

NYLON SPROCKETS

NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	3.9	99	3.9	99	1.0	25	1.25	1.5	25 30 40	40
16 (1.92%)	5.1	130	5.2	132	1.0	25	1.25	1.5	40	40
18 (1.52%)	5.8	147	5.9	150	1.0	25	1.25	1.5	40	40
20 (1.52%)	6.4	163	6.5	165	1.0	25	1.25	1.5	40	40



NYLON SPROCKET

DYNAMIC NOSE-ROLLERS - STANDARD NOSE-ROLLER WIDTHS

U.S. SIZES (IN)	METRIC SIZES (MM)
4.5	170.0
6.0	255.0
9.0	340.0
12.0	425.0
15.0	
18.0	
24.0	

- U.S. sizes are available in 4.5 in, 6 in, and then in 3 in increments. Metric sizes are available in 85 mm (3.35 in) increments.
- For other belt widths, combine multiple nose-rollers in the available increments. For assistance, contact Uniking Customer Service.
- Made of FDA-approved, blue, oil-filled nylon.
- Roller diameter: 0.75 in (19 mm)



DYNAMIC NOSE-ROLLER BELT UNDERSIDE



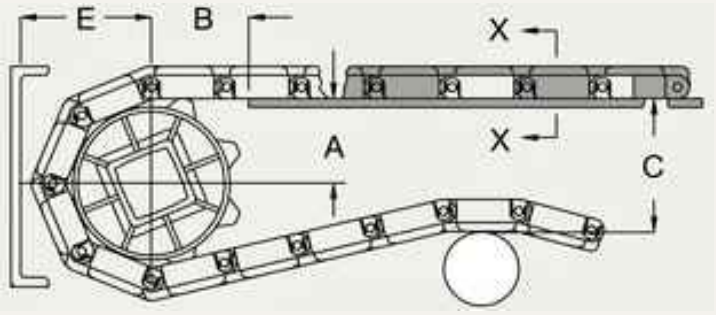
DYNAMIC NOSE-ROLLER ASSEMBLY

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions *A*, *B*, *C*, and *E* are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the *A* dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS: A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

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SERIES 2300

SPROCKET DIMENSIONS, DEAD PLATE GAP AND BELT SELECTION

SPROCKET DIMENSIONS

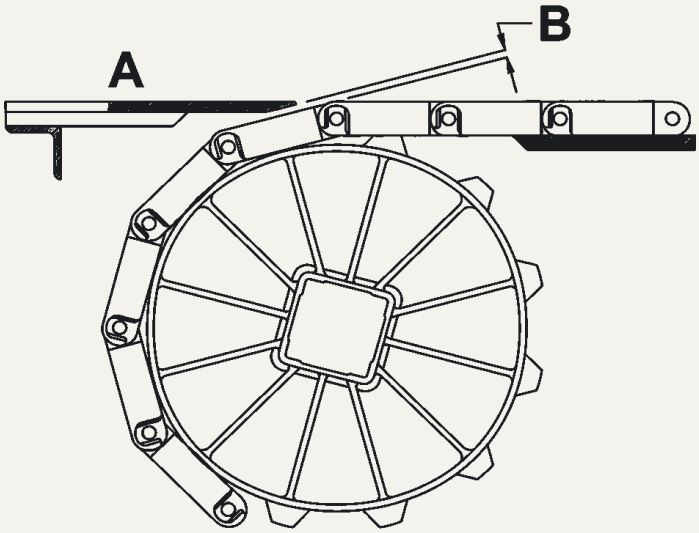
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
3.9	99	12	1.44-1.51	37-38	1.92	49	3.69	94	2.24	57
5.1	130	16	2.09-2.14	53-54	2.27	58	4.95	126	2.88	73
5.8	147	18	2.41-2.45	61-62	2.46	62	5.58	142	3.19	81
6.4	163	20	2.73-2.77	69-70	2.57	65	6.22	158	3.51	89

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP — A: TOP SURFACE OF DEAD PLATE; B: DEAD PLATE GAP

MINIMUM DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
3.9	99	12	0.065	1.7
5.1	130	16	0.050	1.3
6.4	163	20	0.039	1.0

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See **Engineering Program Analysis for Spiral and Radius Belts** for more information.

INTRALOX · RADIUS

SERIES 2300

S2300 DUAL TURNING DESIGN GUIDE SUMMARY

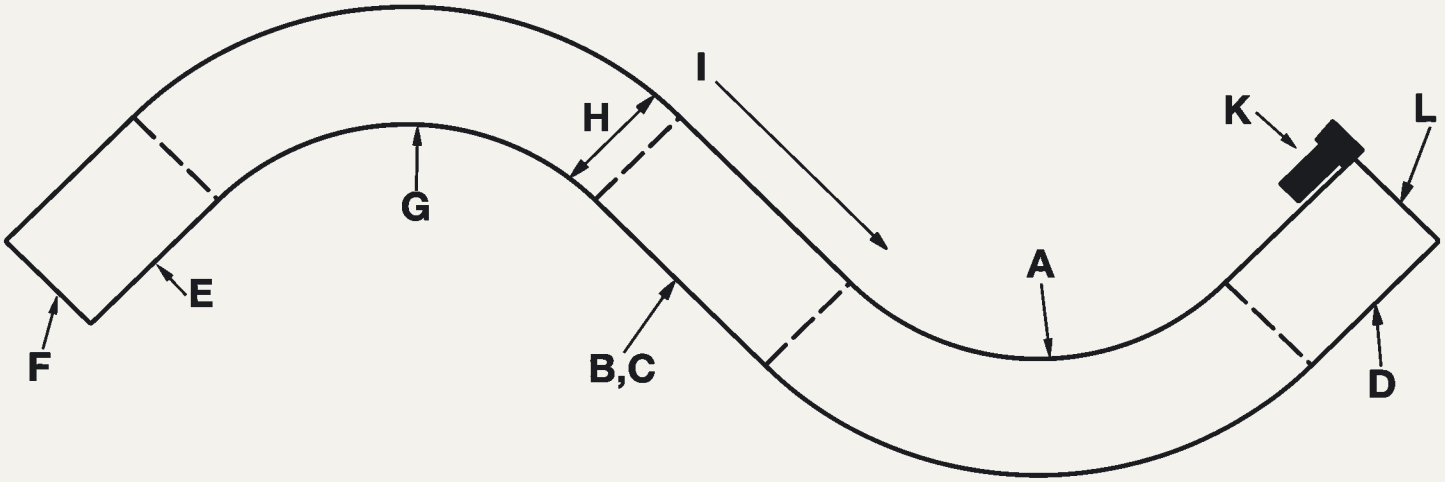
For more information, see the **Installation, Maintenance & Troubleshooting Manual** available from Uniking.

DESIGN GUIDE NOTES

- **A** The minimum turn radius for the standard edge S2300 Dual Turning is 2.2 times the belt width, measured from the inside edge. For widths 30 in (762 mm) to 36 in (914 mm), use 2.3 times belt width for minimum turn radius.
- **B** The minimum straight run required between turns of opposing direction is 2.0 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to the drive shaft) is a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times the belt width) require a weighted take up to avoid sprocket wear and tracking problems.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.

KEY

- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft



TYPICAL TWO-TURN RADIUS LAYOUT

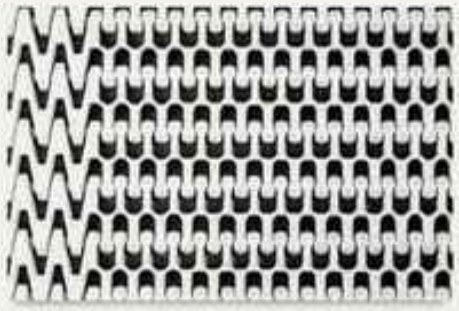
INTRALOX · RADIUS

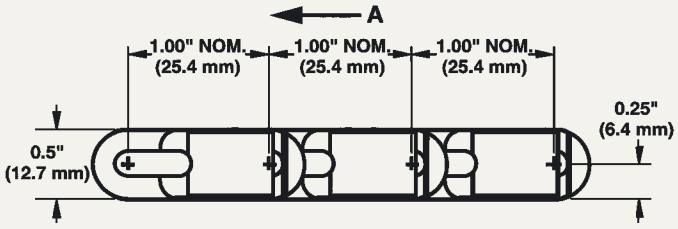
SERIES 2400 - RADIUS FLUSH GRID (1.7)

RADIUS FLUSH GRID (1.7)

	IN	MM
Pitch	1.00	25.4
Minimum Width	7	178
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through belt, making it easy to clean.
- Available with tight turning modules built into one side or both sides of the belt.
- Available with 1.7 modules on the inside and 2.2 modules on the outside for improved strength.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system is designed to minimize wear and require low return-side tension.
- Designed for radius applications with a turn radius of 1.7 times the belt width (measured from inside edge). Maximizes plant floor space.
- Contact Uniking to identify the strength requirements of most radius applications, and ensure that the belt is strong enough for the application.
- Radius belt wearstrips are available.
- Contact Uniking Customer Service before using a belt width greater than 18 in (457 mm) in spiral and flat turning applications.
- Looking in the direction of flat-turning travel, the minimum sprocket indent from the right side belt edge with tight turning modules is 2.625 in (66.7 mm).
- Minimum sprocket indent from the left side belt edge with tight turning modules: 2.875 in (73 mm).
- Minimum nosebar diameter: 1.375 in (34.9 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.180 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	600	892.8	34 to 200	1 to 93	1.20	5.86 · For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	600	892.8	-50 to 200	-46 to 93	1.73	8.44 · For curved belt strength calculations, contact Uniking Customer Service.

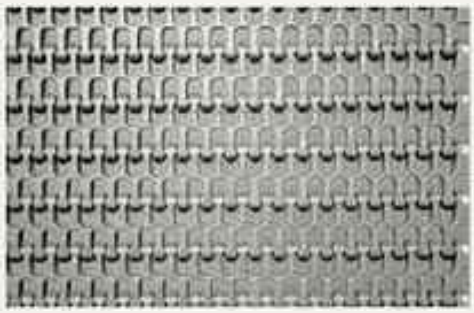
INTRALOX · RADIUS

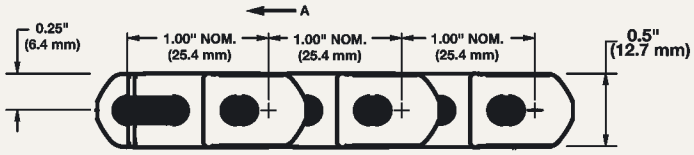
SERIES 2400 - RADIUS FLUSH GRID (2.2)

RADIUS FLUSH GRID (2.2)

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system is designed to minimize wear and require low return side tension.
- Designed for radius applications with a turn radius of 2.2 times the belt width (measured from inside edge).
- Contact Uniking to identify strength requirements for radius applications, and ensure that the belt is strong enough for the application.
- Radius belt wearstrips are available.
- Available with hold down guides, see Hold Down Guides (2.2 Only) for details.
- Contact Uniking Customer Service before using a belt wider than 36 in (914 mm) in flat-turning or spiral applications.
- Minimum nosebar diameter: 1.5 in (38.1 mm) with hold down guides and 1.375 in (34.9 mm) without hold down guides.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1785	34 to 200	1 to 93	1.10	5.40 · For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	1700	2530	-50 to 200	-46 to 93	1.59	7.76 · For curved belt strength calculations, contact Uniking Customer Service.
Detectable acetal	HR nylon	1300	1935	-50 to 200	-46 to 93	1.70	8.30 · For curved belt strength calculations, contact Uniking Customer Service.

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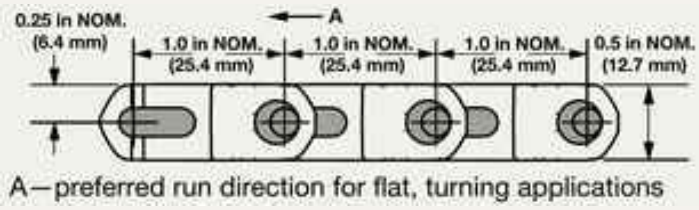
SERIES 2400 - MOLD TO WIDTH RADIUS FLUSH GRID 2.2

MOLD TO WIDTH RADIUS FLUSH GRID 2.2

	IN	MM
Pitch	1.00	25.4
Molded Width	4	101.6
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system is designed to minimize wear and requires very low return side tension.
- Contact Uniking to identify the strength requirements of most radius applications, and ensure that the belt is strong enough for the application.
- Available with hold down guides, see Hold Down Guides (2.2 Only) for details.
- Hold down guides cannot be used with 2 in and 2.9 in pitch diameter sprockets or 3.9 in pitch diameter square bore sprockets.
- Radius belt wearstrips are available.
- Minimum nosebar diameter: 1.5 in (38.1 mm) with hold down guides and 1.375 in (34.9 mm) without hold down guides.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	560	254	-50 to 200	-46 to 93	0.56	0.83 · For curved belt strength calculations, contact Uniking Customer Service.
Polypropylene	Acetal	400	181	34 to 200	1 to 93	0.39	0.57 · For curved belt strength calculations, contact Uniking Customer Service.

Straight belt strength in lb / kg; belt weight in lb/ft / kg/m (mold to width).

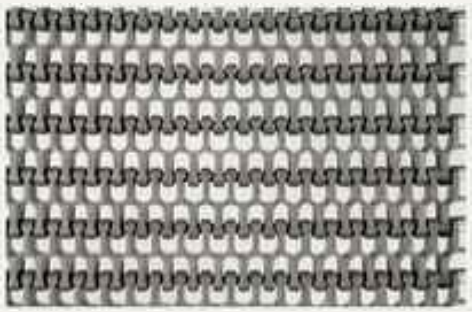
INTRALOX · RADIUS

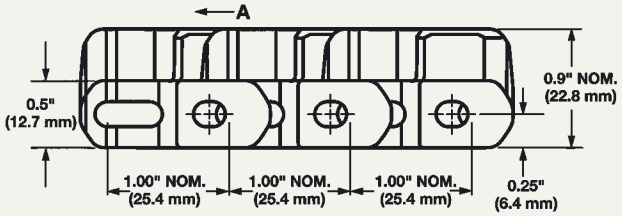
SERIES 2400 - RADIUS FLUSH GRID HIGH DECK

RADIUS FLUSH GRID HIGH DECK

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush Grid High Deck is 0.4 in (10 mm) higher than the standard S2400 belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Makes turns with an inside radius of 2.2 times the belt width.
- Works with standard S2400 wearstrips.
- Standard indent: 0.875 in (22.2 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1785	34 to 200	1 to 93	1.90	9.28 · For curved belt strength calculations, contact Uniking Customer Service.
HR nylon	Nylon	1700	2530	-50 to 240	-46 to 116	2.30	11.23 · For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	2.83	13.82 · For curved belt strength calculations, contact Uniking Customer Service.
X-Ray Detectable Acetal	X-Ray Detectable Acetal	1700	2530	-50 to 200	-46 to 93	3.31	16.16 · For curved belt strength calculations, contact Uniking Customer Service.
PK	PK	1700	2530	-40 to 200	-40 to 93	2.49	12.16 · For curved belt strength calculations, contact Uniking Customer Service.

INTRALOX · RADIUS

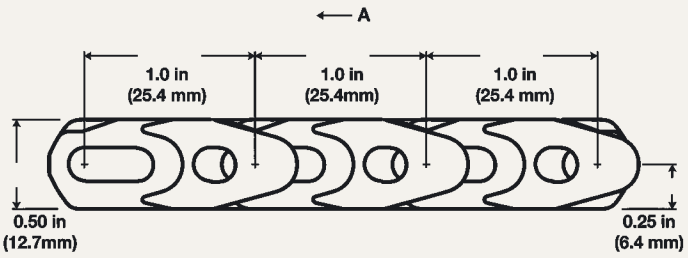
SERIES 2400 - RADIUS FLUSH GRID WITH HEAVY-DUTY EDGE

RADIUS FLUSH GRID WITH HEAVY-DUTY EDGE

	IN	MM
Pitch	1.0	25.4
Minimum Width	4.0	101.6
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Heavily reinforced and carefully sculpted edge is designed to resist belt snagging and edge damage while maintaining cleanability.
- Flush edge features an intuitive molded-in arrow to indicate preferred run direction, and extensions to reduce finger entrapment.
- Load-Sharing™ belt edge improves how the load is shared and minimizes belt fatigue failure.
- Interior belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for radius applications with a turn radius of 2.2 times the belt width (measured from the inside edge).
- Sprocket drive system minimizes wear and requires low return-side tension.
- Contact Uniking Customer Service before using a belt wider than 36 in (914 mm) in flat-turning or spiral applications.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Radius belt wearstrips are available.
- Minimum nosebar diameter: 1.375 in (34.9 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	PK	1200	1790	34 to 200	1 to 93	1.10	5.37 · For curved belt strength calculations, contact Uniking Customer Service.
Acetal	PK	1700	2530	-40 to 200	-40 to 93	1.59	7.7624 · For curved belt strength calculations, contact Uniking Customer Service.

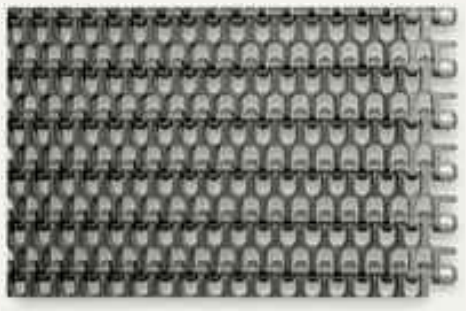
INTRALOX · RADIUS

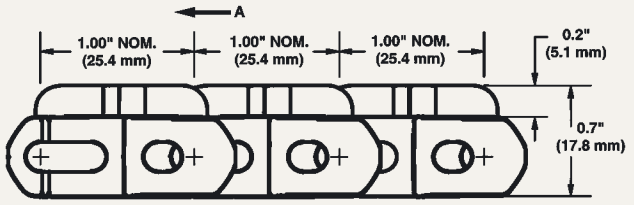
SERIES 2400 - RADIUS FRICTION TOP (2.2)

RADIUS FRICTION TOP (2.2)

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A – preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available in grey polypropylene with grey rubber and white polypropylene with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Radius belt wearstrips are available.
- Available with hold down guides, see Hold Down Guides (2.2 Only) for details.
- Contact Uniking Customer Service before using a belt width greater than 36 in (914 mm) in turning or spiral applications.
- Indent for friction surface: 1.125 in (28.6 mm).
- Minimum nosebar diameter: 1.5 in (38.1 mm) with hold down guides and 1.375 in (34.9 mm) without hold down guides.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1785	34 to 150	1 to 66	1.35	6.59 · Base/Friction Color: Grey/Grey · Curved Belt Strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 64 Shore A · FDA (USA): — · EU MC: —
Polypropylene	Acetal	1200	1785	34 to 150	1 to 66	1.35	6.59 · Base/Friction Color: White/White · Curved Belt Strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC: c
Polypropylene	Polypropylene	1000	1487	34 to	1 to	1.29	6.30 · Base/Friction Color: Grey/Grey · Curved Belt Strength: Contact Uniking Customer Service for curved belt strength calculations. ·

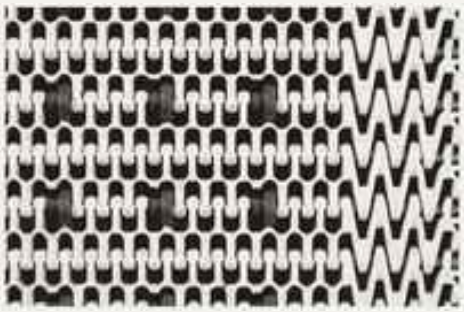
INTRALOX · RADIUS

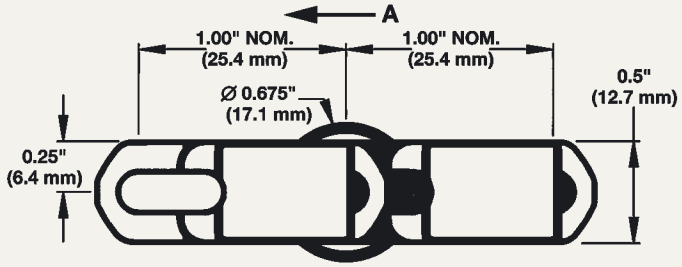
SERIES 2400 - RADIUS FLUSH GRID (2.4) WITH INSERT ROLLERS

RADIUS FLUSH GRID (2.4) WITH INSERT ROLLERS

	IN	MM
Pitch	1.00	25.4
Minimum Width	9	229
Width Increments	1.00	25.4
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Uses acetal rollers.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- For radius applications requiring low back pressure accumulation with minimum radius of 2.4 times belt width (measured from inside edge).
- For low back pressure applications, place wearstrip between rollers. For driven applications, place wearstrip directly under rollers.
- Do NOT place sprockets in line with rollers.
- Belts 12 in (305 mm) wide and less have a turn ratio of 1.7.
- Contact Uniking Customer Service before using a belt width greater than 24 in (610 mm) in a flat turning or spiral applications.
- Standard roller width spacings: 2 in (51 mm), 3 in (76 mm) or 4 in (102 mm).
- Standard roller row spacings: 2 in (51 mm) or 4 in (102 mm).
- Roller indents: 3.5 in (89 mm) or 4 in (102 mm) based on roller width spacing selected.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	500	744	34 to 200	1 to 93	1.20	5.86 · Roller Indents: 3.5 or 4.0 in (89 or 102 mm) · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	500	744	-50 to 200	-46 to 93	1.73	8.44 · Roller Indents: 3.5 or 4.0 in (89 or 102 mm) · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

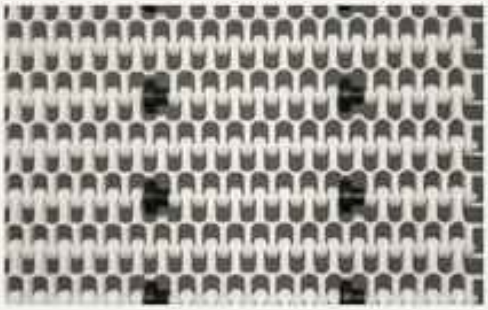
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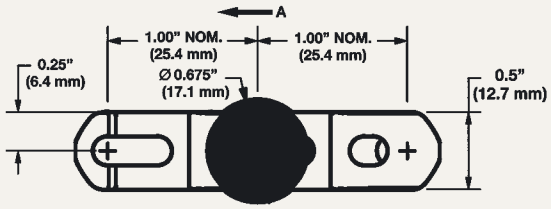
SERIES 2400 - RADIUS FLUSH GRID (2.8) WITH INSERT ROLLERS

RADIUS FLUSH GRID (2.8) WITH INSERT ROLLERS

	IN	MM
Pitch	1.00	25.4
Minimum Width	6	152
Width Increments	1.00	25.4
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Detailed material information is provided at the beginning of Section 2: Product Line.
- This belt uses the Series 2400 Radius Flush Grid (2.2) as a base. Due to roller placement, turn radius increases to 2.8.
- For low back-pressure applications, place wearstrips between rollers. For driven applications, place wearstrips under rollers.
- Do not place sprockets in-line with rollers.
- For radius applications requiring low back-pressure accumulation with a minimum radius of 2.8 times belt width (measured from inside edge).
- Contact Uniking Customer Service before using a belt width greater than 24 in (610 mm) in flat-turning or spiral applications.
- Standard roller row spacing: 2 in (51 mm) or 4 in (102 mm).
- Standard roller width spacing: 2 in (51 mm), 3 in (76 mm), or 4 in (102 mm).
- Minimum width with hold down guides: 8 in (203 mm).
- Roller indents: 2 in (51 mm), 2.5 in (63 mm), 3 in (76 mm), or 3.5 in (89 mm) based on roller width spacing.
- Minimum roller indent with hold down guides: 3 in (76 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	700	1040	34 to 200	1 to 93	1.21	1.21 · Straight belt strength shown for 2 in (51 mm) roller width spacing · 3 in (76 mm) spacing: 800 lb/ft / 1190 kg/m · 4 in (102 mm) spacing: 900 lb/ft / 1340 kg/m · Roller Indents: 2 in (51 mm); 2.5 to 3.5 in (64 to 89 mm) · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
							7.68 · Straight belt strength shown for 2 in (51 mm) roller width

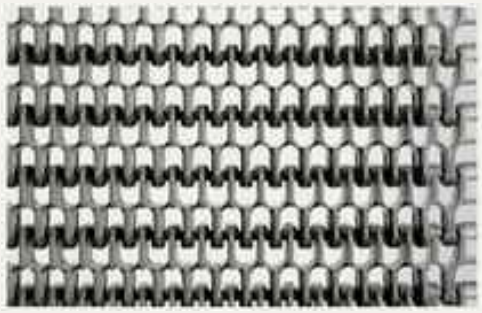
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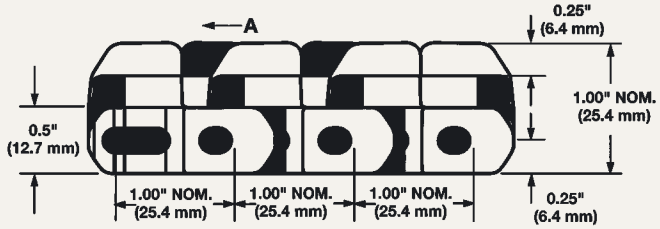
SERIES 2400 - RADIUS RAISED RIB

RADIUS RAISED RIB

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	0.50	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	18%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Permits airflow through the belt to provide cooling in food-processing applications.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Makes turns with an inside turn radius of 2.2 times the belt width.
- Facilitates smooth transfers of small packages with the addition of transfer plates.
- Works with standard S2400 wearstrips.
- Standard indent: 1.12 in (28.6 mm).
- Belt deck height: 0.5 in (12.7 mm) higher than the standard S2400 belt.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1785	34 to 200	1 to 93	1.98	9.68 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	1700	2528	-50 to 200	-46 to 93	3.00	14.67 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Polypropylene	Polypropylene[1]	1000	1487	34 to 220	1 to 104	1.92	9.39 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
HR nylon	Nylon	1700	2530	-50 to 240	-46 to 116	2.5	12.25 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

[1] Polypropylene rods can be installed in polypropylene belts when extra chemical resistance is required. Please note lower belt strength.

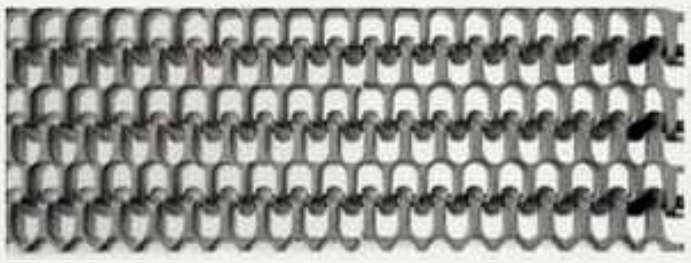
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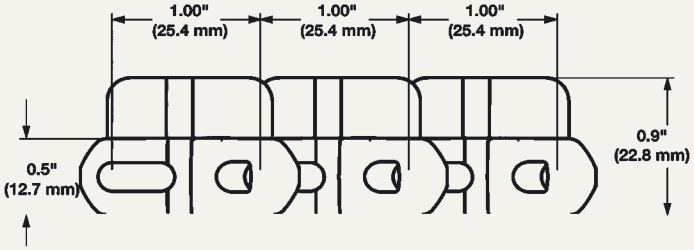
SERIES 2400 - 0.4 IN HIGH RADIUS FRICTION TOP

0.4 IN HIGH RADIUS FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Minimum Width	4	102
Width Increments	0.5	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Makes turns with an inside turn radius of 2.2 times the belt width.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Indent for friction surface is molded at 0.95 in (24.1 mm).
- Minimum nosebar diameter: 1.375 in (34.9 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1785	34 to 150	1 to 66	1.77	8.65 · Base/Friction Color: White/White · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC: c
Polypropylene	Polypropylene	1000	1488	34 to 150	1 to 66	1.69	8.25 · Base/Friction Color: White/White · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 55 Shore A · FDA (USA): a · EU MC: c
Polypropylene	Polypropylene	1200	1785	34 to 212	1 to 100	1.77	8.65 · Base/Friction Color: High-Performance FT Blue/Blue · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 59 Shore A · FDA (USA): a · EU MC: c

• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

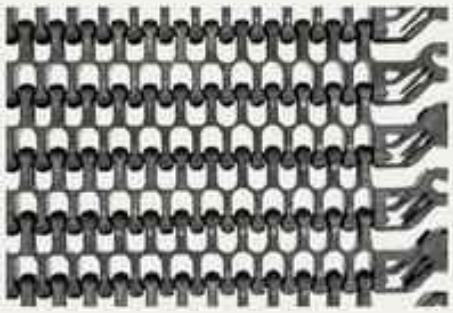
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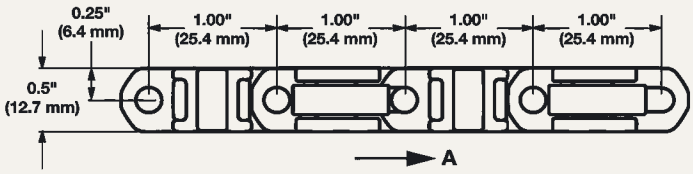
SERIES 2400 - RADIUS WITH EDGE BEARING

RADIUS WITH EDGE BEARING

	IN	MM
Pitch	1.00	25.4
Minimum Width (Bearings One Side)	7.5	191
Minimum Width (Bearings Both Sides)	9.0	229
Maximum Width	36	914
Width Increments	0.5	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Occluded edge rod retention allows for easier insertion and removal of rods.
- Edge bearings are only available for turning belts.
- Edge bearings are stainless steel and are retained by a plastic pin.
- Edge bearings are available on one side (for belts that turn in only one direction) or on both sides (for belts that turn in both directions). Bearings must be placed on the inside edge of the turn, and must be configured in every other row of the belt.
- Both flush edge and hold down guide edge are available for belts that have bearings on only one side and must be placed on the outside edge of the turn.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for radius applications with a turn radius of 2.2 times the belt width.
- Contact Uniking to determine if the Edge Bearing is suitable for your application.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1700	2530	0 to 200	-18 to 93	1.59	7.76 · Curved belt strength: Contact Uniking Customer Service for curved belt strength calculations.

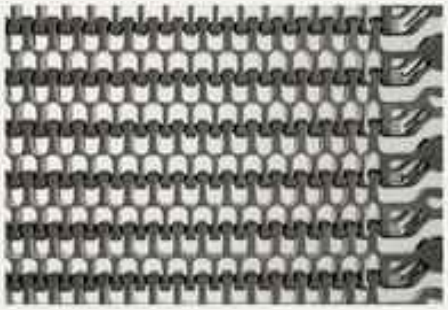
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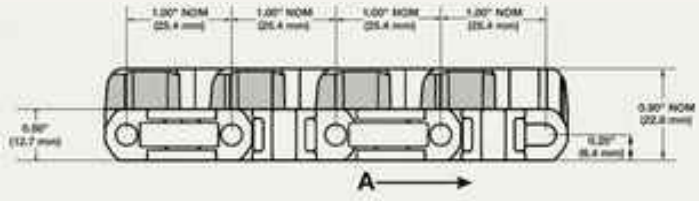
SERIES 2400 - RADIUS FLUSH GRID HIGH DECK WITH EDGE BEARING

RADIUS FLUSH GRID HIGH DECK WITH EDGE BEARING

	IN	MM
Pitch	1.00	25.4
Minimum Width (Bearings One Side)	7.5	191
Minimum Width (Bearings Both Sides)	9.0	229
Maximum Width	36	914
Width Increments	0.5	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Occluded edge rod retention allows for easier insertion and removal of rods.
- Edge bearings are only available for turning belts.
- Edge bearings are available on one side (for belts that turn in only one direction) or on both sides (for belts that turn in both directions). Bearings must be placed on the inside edge of the turn, and must be configured in every other row of the belt.
- Edge bearings are stainless steel and are retained by plastic pins.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for radius applications with a turn radius of 2.2 times the belt width.
- Contact Uniking to determine if the Edge Bearing is suitable for your application.
- Belt height: 0.4 in (10 mm) higher than standard S2400 belt.
- Standard indent: 1.88 in (47.75 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Nylon	1700	2530	0 to 200	-18 to 93	2.83	13.82 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

[1] *Sideflexing applications must not exceed 180°F (82°C).*

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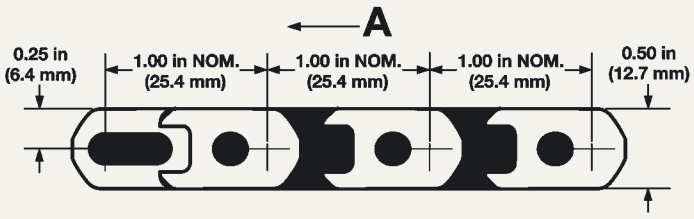
SERIES 2400 - RADIUS FLUSH GRID WITH LOAD-SHARING™ EDGE

RADIUS FLUSH GRID WITH LOAD-SHARING™ EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	10.5	266.7
Maximum Width	36	914
Width Increments	0.5	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through the belt to simplify cleaning.
- Flush edge design features an extension to reduce the opening size.
- Load-Sharing belt edge improves how the load is shared and minimizes fatigue failure in various areas of the belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system minimizes wear and requires very low return-side tension.
- Designed for radius applications with a turn radius of 2.2 times the belt width.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Contact Uniking to predict strength requirements for most radius and low-tension capstan drive spiral applications, and ensure the belt is strong enough for the application.
- Available with hold down guides.
- Radius belt wearstrips are available.
- Minimum nosebar diameter: 1.5 in (38 mm) with hold down guides and 1.375 in (34.9 mm) without hold down guides.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1790	34 to 200	1 to 93	1.10	5.37 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	1700	2530	-50 to 200	-46 to 93	1.59	7.76 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

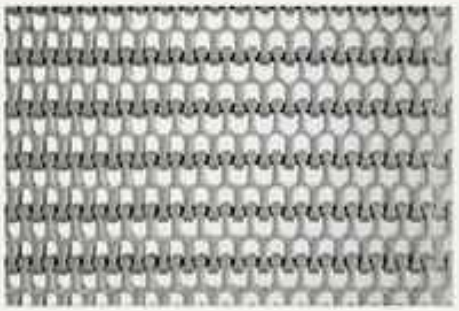
INTRALOX · RADIUS

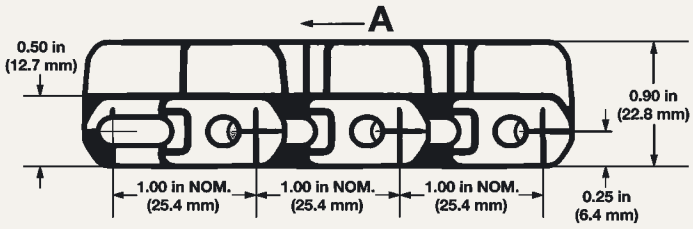
SERIES 2400 - RADIUS FLUSH GRID HIGH DECK WITH LOAD-SHARING™ EDGE

RADIUS FLUSH GRID HIGH DECK WITH LOAD-SHARING™ EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	10.5	266.7
Maximum Width	36	914
Width Increments	0.5	12.7
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through the belt to simplify cleaning.
- Flush edge design features an extension to reduce the opening size.
- Load-Sharing belt edge improves how the load is shared and minimizes fatigue failure in various areas of the belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system minimizes wear and requires very low return-side tension.
- Designed for radius applications with a turn radius of 2.2 times the belt width.
- Contact Uniking to predict strength requirements for most radius and low-tension capstan drive spiral applications, and ensure the belt is strong enough for the application.
- Uses a standard S2400 wearstrip.
- Standard indent: 0.875 in (22.2 mm).
- Load-Sharing Edge height: 0.4 in (10 mm) higher than the standard S2400 belt.

BELT DATA

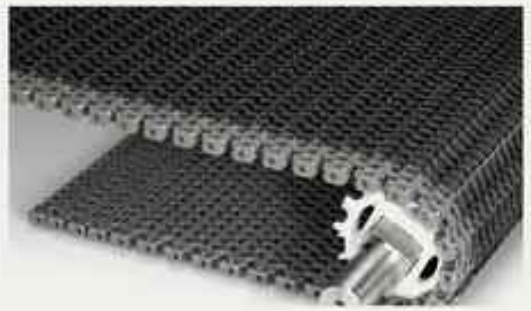
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT^2	KG/M^2
Polypropylene	Acetal	1200	1785	34 to 200	1 to 93	1.90	9.28 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	1700	2530	-50 to 200	-46 to 93	2.83	13.82 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

INTRALOX · RADIUS

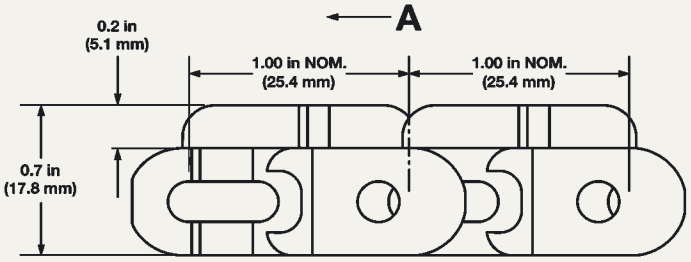
SERIES 2400 - RADIUS FLUSH GRID FRICTION TOP 2.2 WITH LOAD-SHARING™ EDGE

RADIUS FLUSH GRID FRICTION TOP 2.2 WITH LOAD-SHARING™ EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	10.5	266.7
Maximum Width	36.0	914.0
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Product Contact Area	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Belt openings pass straight through the belt to simplify cleaning.
- Flush edge design features an extension to reduce the opening size.
- Load-Sharing belt edge improves how the load is shared and minimizes fatigue failure in various areas of the belt.
- Available in grey polypropylene with grey rubber and white polypropylene with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sprocket drive system minimizes wear and requires very low return-side tension.
- Designed for radius applications with a turn radius of 2.2 times the belt width.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Available with hold down guides.
- Radius belt wearstrips are available.
- Indent for friction surface: 1.125 in (28.6 mm).
- Minimum nosebar diameter: 1.5 in (38 mm) with hold down guides and 1.375 in (34.9 mm) without hold down guides.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.57 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Polypropylene	Acetal	1200	1790	34 to 200	1 to 93	1.35	6.59 · Base/Friction Color: Grey/Grey · Curved Belt Strength: Contact Uniking Customer Service for curved belt strength calculations. · Friction Top Hardness: 64 Shore A · FDA (USA): — · EU MC: —

INTRALOX · RADIUS

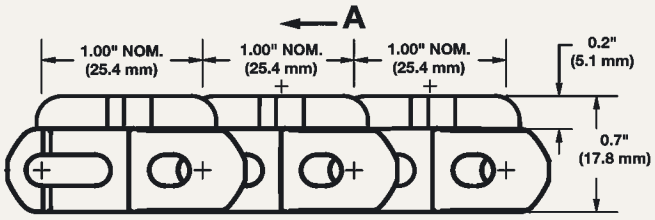
SERIES 2400 - MTW RADIUS FLUSH GRID FRICTION TOP 2.2 WITH LOAD-SHARING™ EDGE

MTW RADIUS FLUSH GRID FRICTION TOP 2.2 WITH LOAD-SHARING™ EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	4.0	101.6
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush edge design features an extension to reduce the opening size.
- Load-Sharing belt edge improves how the load is shared and minimizes fatigue failure in various areas of the belt.
- Available in grey polypropylene with grey rubber and white polypropylene with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for sideflexing applications with a standard turn ratio of 2.2 times the belt width.
- Minimum recommended turn ratio is 1.95. Contact Uniking Customer Service when considering minimum turn ratio.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Available with hold down guides.
- Radius belt wearstrips are available.
- Available widths: 4 in (101.6 mm), 6 in (152.4 mm), 8 in (203.2 mm), and 10 in (254 mm).
- Indent for friction surface on 4-in (101.6 mm) and 6-in (152.4 mm) widths: molded at 0.70 in (17.78 mm).
- Indent for friction surface on 8-in (203.2 mm) and 10-in (254 mm) widths: molded at 0.95 in (24.1 mm).
- Maximum number of sprockets: 4 in (101.6 mm) belts without hold down guides: two sprockets. 4 in (101.6 mm) belts with hold down guides: one sprocket. 6 in (152.4 mm) belts without hold down guides: four sprockets. 6 in (152.4 mm) belts with hold down guides: three sprockets. 8 in (203.2 mm) belts with and without hold down guides: five sprockets. 10 in (254 mm) belts with and without hold down guides: seven sprockets.
- Smallest pitch diameter sprocket for use with hold down guides: 5.1 in (130 mm).
- Minimum nosebar diameter for belts without hold down guides: 1.375 in (34.9 mm).
- Minimum nosebar diameter for belts with hold down guides: 1.50 in (38.1 mm).

BELT DATA

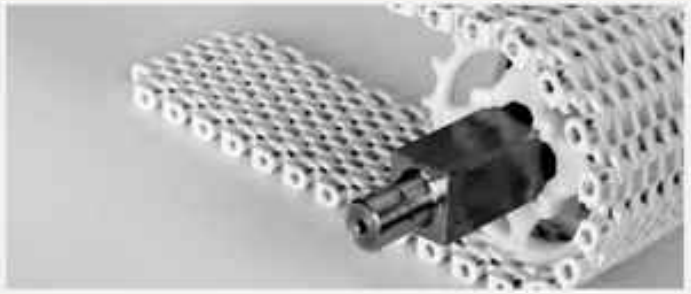
STANDARD ROD MATERIAL	BELT STRENGTH	TEMPERATURE RANGE	BELT WEIGHT

INTRALOX · RADIUS

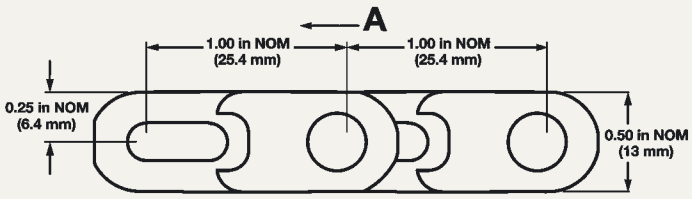
SERIES 2400 - MTW RADIUS FLUSH GRID 2.2 WITH LOAD-SHARING™ EDGE

MTW RADIUS FLUSH GRID 2.2 WITH LOAD-SHARING™ EDGE

	IN	MM
Pitch	1.00	25.4
Minimum Width	4.0	101.6
Opening Size (approximate)	0.35 × 0.30	8.9 × 7.6
Open Area	42%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Snap-lock; headed	







A—preferred run direction for flat, turning applications

PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Flush edge design features an extension to reduce the opening size.
- Load-Sharing belt edge improves how the load is shared and minimizes fatigue failure in various areas of the belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for sideflexing applications with a standard turn ratio of 2.2 times the belt width.
- Minimum recommended turn ratio is 1.95. Consult Uniking Customer Service when considering minimum turn ratio.
- Temperature, environmental conditions, and product characteristics affect the maximum degree of incline. Consider these factors when designing conveyor systems using these belts.
- Available with hold down guides.
- Radius belt wearstrips are available.
- Available widths: 4 in (101.6 mm), 6 in (152.4 mm), 8 in (203.2 mm), and 10 in (254 mm).
- Maximum number of sprockets for 4 in (101.6 mm) belts without hold down guides: two. Maximum number of sprockets for 4 in (101.6 mm) belts with hold down guides: one.
- Maximum number of sprockets for 6 in (152.4 mm) belts without hold down guides: four. Maximum number of sprockets for 6 in (152.4 mm) belts with hold down guides: three.
- Maximum number of sprockets for 8 in (203.2 mm) belts with and without hold down guides: five.
- Maximum number of sprockets for 10 in (254 mm) belts with and without hold down guides: seven.
- Minimum nosebar diameter for belts without hold down guides: 1.375 in (34.9 mm). Minimum nosebar diameter for belts with hold down guides: 1.50 in (38.1 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.18 IN (4.6 MM)	BELT STRENGTH	TEMPERATURE RANGE (CONTINUOUS)	BELT WEIGHT

INTRALOX · RADIUS

SERIES 2400

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE

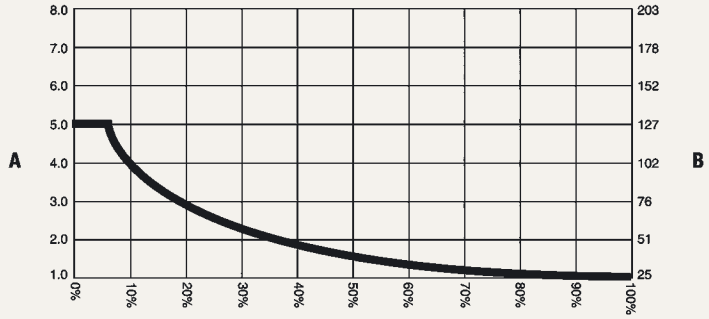
BELT WIDTH RANGE[1]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[2]	WEARSTRIPS[3]	
IN	MM		CARRYWAY	RETURNWAY
4	102	1	2	2
5	127	2	2	2
6	152	2	2	2
7	178	2	2	2
8	203	2	2	2
10	254	2	3	2
12	305	3	3	2
14	356	3	3	3
15	381	5	3	3
16	406	5	3	3
18	457	5	3	3
20	508	5	4	3
24	610	5	4	3
30	762	7	5	4
32	813	7	5	4
36	914	7	5	4
42	1067	9	6	5
48	1219	11	7	5

For other widths, use an odd number of sprockets at maximum 6 in (152 mm) centerline spacing. Carryway wearstrips: maximum 9 in (229 mm) centerline spacing. Returnway wearstrips: maximum 12 in (305 mm) centerline spacing.

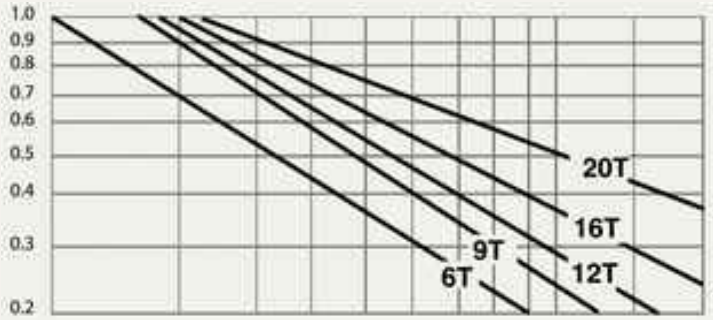
[1] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 0.50 in (12.7 mm) increments beginning with minimum width of 4 in (102 mm).

[2] This number is a minimum. Heavy-load applications can require additional sprockets. For lockdown location, see Retainer Rings and Center Sprocket Offset.

[3] The number of wearstrips given does not include the hold down wearstrip.



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED — A: SPROCKET SPACING, IN; B: SPROCKET SPACING, MM



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 6T, 9T, 12T, 16T AND 20T SPROCKETS

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)

INTRALOX · RADIUS

SERIES 2400 (CONT.)

MOLDED SPROCKET[4]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)[5]	U.S. SQUARE (IN)	METRIC ROUND (MM)[2]	METRIC SQUARE (MM)
6[6,7] (13.40%)	2.0	51	2.0	51	.54	14	3/4		20	
9[3,4] (6.03%)	2.9	74	2.9	74	1.0	25	1	1	25	25
12 (3.41%)	3.9	99	4.0	102	1.0	25	1 to 1-1/2	1.5[4]	25 to 40	40[4]
16 (1.92%)	5.1	130	5.2	132	1.0	25	1 to 1-1/2	1.5	25 to 40	40
20 (1.23%)	6.4	163	6.4	163	1.0	25	1 to 1-1/2	1.5	25 to 40	40

[4] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m). All other belts maintain the published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).
[5] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[6] The 2.0 in (51 mm) pitch diameter 6 tooth sprocket and the 2.9 in (74 mm) pitch diameter 9 tooth sprocket have a recommended belt pull of 60 lb/sprocket (27 kg/sprocket).
[7] Do not use this sprocket with hold down guides.



MOLDED SPROCKET

INTRALOX · RADIUS

SERIES 2400

SPLIT POLYURETHANE AND NYLON (FDA) SPROCKETS

SPLIT ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET[1]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.0	25		1.5[2]		40
20 (1.23%)	6.4	163	6.4	163	1.0	25		1.5		40

[1] When using polyurethane sprockets, the belt strength for belts rated over 750 lb/ft (1120 kg/m) is de-rated to 750 lb/ft (1120 kg/m) and all other belts maintain their published rating. The temperature range for polyurethane sprockets is 0°F (-18°C) to 120°F (49°C).
[2] FDA-compliant materials are available.



SPLIT ULTRA ABRASION RESISTANT POLYURETHANE SPROCKET

NYLON (FDA) SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)[3]	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
12 (3.41%)	3.9	99	4	102	1.0	25	1, 1-1/4	1.5[4]		
16 (1.92%)	5.1	130	5.2	132	1.0	25	1-1/4			40
20 (1.23%)	6.4	163	6.4	163	1.0	25		1.5		

[3] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[4] Do not use this sprocket with Hold Down Guides.



NYLON (FDA) SPROCKET

INTRALOX · RADIUS

SERIES 2400 (CONT.)

SPLIT NATURAL NYLON (FDA) SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
20 (1.23%)	6.4	163	6.4	163	1.5	38		1.5		



SPLIT NATURAL NYLON (FDA) SPROCKET

INTRALOX · RADIUS

SERIES 2400

ACETAL SPLIT SPROCKETS

ACETAL SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[2]	SQUARE (MM)
12 (3.41%)	3.9	99	3.9	99	1.0	25	1-1/4	1.5[2]		

[1] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[2] Do not use this sprocket with hold down guides.

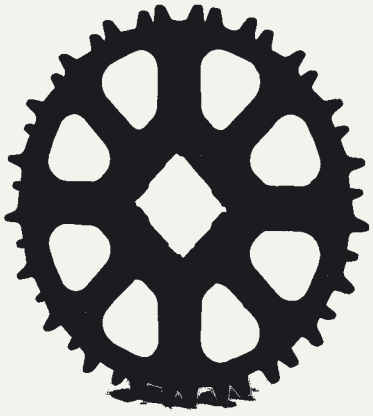


ACETAL SPLIT SPROCKET

GLASS FILLED NYLON SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[3]	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.0	25		1.5		40

[3] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



GLASS FILLED NYLON SPROCKET

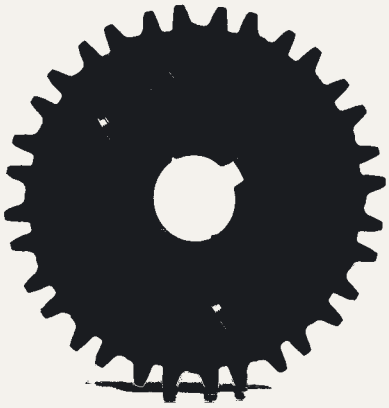
INTRALOX · RADIUS

SERIES 2400 (CONT.)

GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[4]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.5	38	1-1/4		30, 40	

[4] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[1] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



GLASS FILLED NYLON SPLIT SPROCKET

INTRALOX · RADIUS

SERIES 2400

HR NYLON EZ CLEAN™ SPROCKETS

HR NYLON EZ CLEAN™ SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.0	25				40

[1] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



HR NYLON EZ CLEAN™ SPROCKET

- Designed for use with Series 2400 Raised Rib belts, to eliminate product transfer and tipping problems.
- The fingers extend between the belt ribs, to allow a smooth continuation of the product flow as the belt engages the sprockets.
- Finger transfer plates are easily installed on the conveyor frame with conventional fasteners.

FINGER TRANSFER PLATES

AVAILABLE WIDTHS		NUMBER OF FINGERS	AVAILABLE MATERIALS
IN	MM		
4	102	16	Acetal



FINGER TRANSFER PLATES

- Flights do not have bottom hold down guides, but can be used with the bottom hold down belt style, with a minimum flight spacing of 4 in (102 mm).
- Minimum indent: 1.125 in (29 mm).

NO-CLING FLIGHTS

AVAILABLE FLIGHT HEIGHT		AVAILABLE MATERIALS
IN	MM	
3.0	76	Polypropylene, polyethylene, acetal, X-ray detectable acetal

INTRALOX · RADIUS

SERIES 2400 (CONT.)



NO-CLING FLIGHTS

- Similar in design and function to other standard, overlapping Intralox sideguards. It is an integral part of the belt, fastened by hinge rods. It adds versatility to the Series 2400 belt when used in multiple rows for separating product.
- Easily cleanable. Suitable (FDA accepted) for food applications.
- Minimum indent required: 1.5 in (38 mm) for 2.2 turn ratios, 3.0 in (76 mm) for 1.7 turn ratios.

UNIVERSAL SIDEGUARDS

AVAILABLE SIDEGUARD HEIGHT		AVAILABLE MATERIALS
IN	MM	
1.0	25	Polypropylene, acetal
3.0	76	



UNIVERSAL SIDEGUARDS

INTRALOX · RADIUS

SERIES 2400

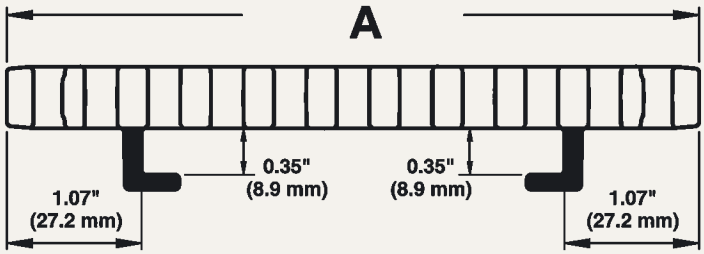
HOLD DOWN GUIDES (2.2 ONLY)

HOLD DOWN GUIDES (2.2 ONLY)

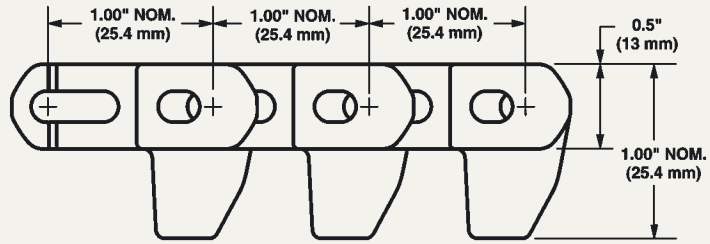
- Materials available: polypropylene, acetal, HR nylon.
- Hold down guides are on the bottom of the belt for use when the belt edges must be clear. Also available on friction top modules.
- Hold down guides provide the ability to run two belts next to each other without a large gap in between.
- The belt edge is smooth for reduced friction, and is relatively thick to provide wear resistance and protection for the rod retention.
- Not recommended for low-tension capstan drive spiral applications.
- Cannot be used with 2 in and 2.9 in pitch diameter sprockets or 3.9 in pitch diameter square bore sprockets.
- Other sprocket PDs with large bores may not produce enough clearance between the hold down guide and shaft. Subtracting bore size from the PD easily identifies these sprockets. If the number is less than 2.0 in (51 mm), this sprocket cannot be used with hold down guides.
- Minimum nosebar diameter: 1.5 in (38.1 mm).



BELT WITH HOLD DOWN GUIDES



FRONT VIEW – A - BELT WIDTH; 1.07 IN (27.2 MM) EDGE TO GUIDE, 0.35 IN (8.9 MM) GUIDE HEIGHT



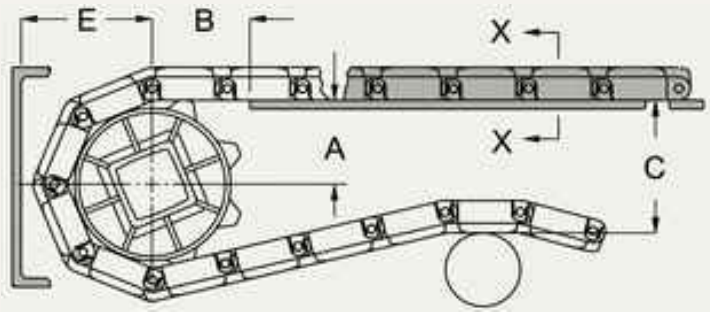
SIDE VIEW – B–PREFERRED RUN DIRECTION FOR FLAT, TURNING APPLICATIONS; 1.00 IN NOM. (25.4 MM) PITCH, 0.5 IN (13 MM), 1.00 IN NOM. (25.4 MM)

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

DIMENSION TOLERANCES

DIMENSION	TOLERANCE
A	± 0.031 in (1 mm)
B	± 0.125 in (3 mm)
C	± (max.)
E	± (min.)

INTRALOX · RADIUS

SERIES 2400

CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2400 RADIUS FLUSH GRID - STRAIGHT EDGE, HOLD DOWN GUIDES										
2.0[1]	51[1]	6	0.62-0.75	16-19	1.22	31	2.00	51	1.31	33
2.9[1]	74[1]	9	1.12-1.21	28-31	1.51	38	2.92	74	1.77	45
3.9	99	12	1.62-1.68	41-43	1.86	47	3.86	98	2.24	57
5.1	130	16	2.26-2.31	57-59	2.11	54	5.13	130	2.88	73
6.4	163	20	2.91-2.95	74-75	2.31	59	6.39	162	3.51	89
S2400 RADIUS FLUSH GRID HIGH DECK, 0.4-IN HIGH RADIUS FRICTION TOP										
2.0[1]	51[1]	6	0.62-0.75	16-19	1.22	31	2.40	61	1.71	43
2.9[1]	74[1]	9	1.12-1.21	28-31	1.51	38	3.32	84	2.17	55
3.9	99	12	1.62-1.68	41-43	1.86	47	4.26	108	2.64	67
5.1	130	16	2.26-2.31	57-59	2.11	54	5.53	140	3.28	83
6.4	163	20	2.91-2.95	74-75	2.31	59	6.79	172	3.91	99
S2400 RADIUS FRICTION TOP - WITH OR WITHOUT HOLD DOWN GUIDES										
2.0[1]	51[1]	6	0.62-0.75	16-19	1.22	31	2.20	56	1.51	38
2.9[1]	74[1]	9	1.12-1.21	28-31	1.51	38	3.12	79	1.97	50
3.9	99	12	1.62-1.68	41-43	1.86	47	4.06	103	2.44	62
5.1	130	16	2.26-2.31	57-59	2.11	54	5.33	135	3.08	78
6.4	163	20	2.91-2.95	74-75	2.31	59	6.59	167	3.71	94
S2400 RADIUS WITH INSERT ROLLERS (ALL STYLES) - FREE FLOATING ROLLERS										
2.0[1]	51[1]	6	0.62-0.75	16-19	1.22	31	2.09	53	1.40	36
2.9[1]	74[1]	9	1.12-1.21	28-31	1.53	39	3.01	76	1.86	47
3.9	99	12	1.62-1.68	41-43	1.78	45	3.95	100	2.33	59
5.1	130	16	2.26-2.31	57-59	2.06	52	5.21	132	2.96	75
6.4	163	20	2.91-2.95	74-75	2.31	59	6.48	165	3.60	91
S2400 RADIUS WITH INSERT ROLLERS (ALL STYLES) - DRIVEN ROLLERS										
2.0[1]	51[1]	6	0.53-0.66	13-17	1.24	31	2.09	53	1.40	36
2.9[1]	74[1]	9	1.04-1.12	26-31	1.57	40	3.01	76	1.86	47
3.9	99	12	1.53-1.59	39-40	1.92	49	3.95	100	2.33	59
5.1	130	16	2.18-2.23	55-57	2.19	56	5.21	132	2.96	75
6.4	163	20	2.82-2.86	72-73	2.41	61	6.48	165	3.60	91
S2400 RADIUS RAISED RIB										
2.0	51	6	0.62-0.75	16-19	1.22	31	2.50	64	1.81	46
2.9	74	9	1.12-1.21	28-31	1.51	38	3.42	87	2.27	58
3.9	99	12	1.62-1.68	41-43	1.86	47	4.36	111	2.74	70

[1] Cannot be used with Hold Down Guides.

CONVEYOR FRAME DIMENSIONS (CONT.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
5.1	130	16	2.26-2.31	57-59	2.11	54	5.63	143	3.38	86
6.4	163	20	2.91-2.95	74-75	2.31	59	6.89	175	4.01	102
S2400 RADIUS FLAT TOP										
2.0	51	6	0.62-0.75	16-19	1.22	31	2.15	55	1.46	37
2.9	74	9	1.12-1.21	28-31	1.51	38	3.07	78	1.92	49

INTRALOX · RADIUS

SERIES 2400

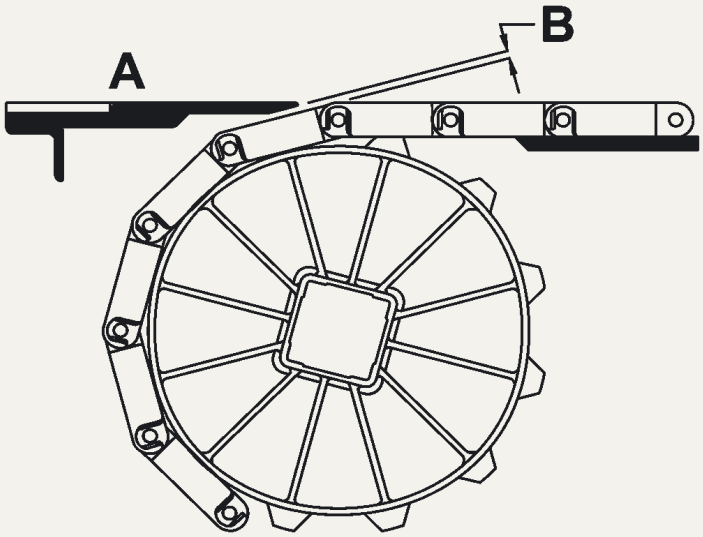
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE AT THE SPROCKET – A: TOP SURFACE OF DEAD PLATE; B: DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH	IN	MM
IN	MM			
2.0	51	6	0.134	3.4
2.9	74	9	0.088	2.2
3.9	99	12	0.065	1.7
5.1	130	16	0.050	1.3
6.4	163	20	0.039	1.0

HOLD DOWN RAILS AND WEARSTRIPS

Intralox recommends using continuous hold down rails through an entire turn. Start the rails before the turn, at a distance of 1X the belt width. End the rails after the turn, at a distance of 1X the belt width. This guideline applies to both carryway and returnway. The use of hold down rails along both side of the belt over the full carryway is recommended but not mandatory.

The hold down guide design allows the belt to be held down without the wearstrip interfering with the carryway surface. For design guidelines regarding S2400 with hold down guides, contact Uniking Customer Service. See **Custom Wearstrips**.

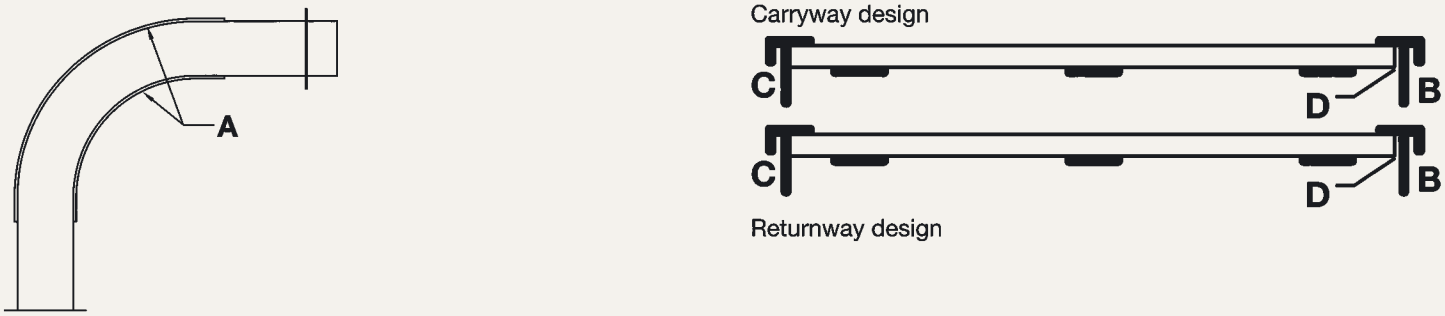


FIGURE 8: HOLD DOWN RAILS AND WEARSTRIPS FOR S2400 FLAT-TURN, HIGH DECK, AND RAISED RIB BELTS – STANDARD BELTS; FLUSH EDGE WITH WEARSTRIP AND CROSS SECTION VIEW THROUGH CURVE (CARRYWAY AND RETURNWAY DESIGN). A – HOLD DOWN RAIL PLACEMENT; B – OUTSIDE HOLD DOWN RAIL; C – INSIDE HOLD DOWN RAIL; D – CLEARANCE

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SERIES 2400

HIGH DECK AND RAISED RIB BELTS

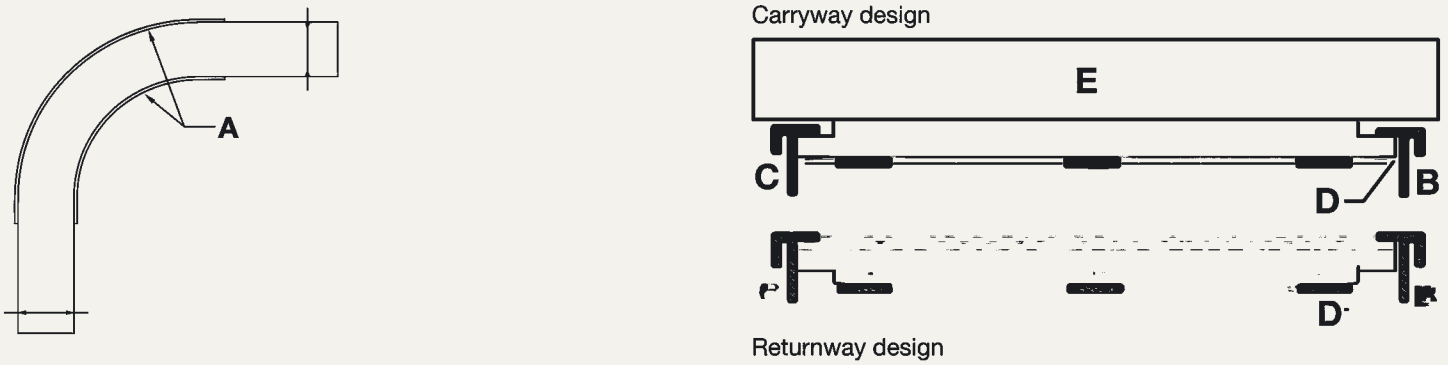
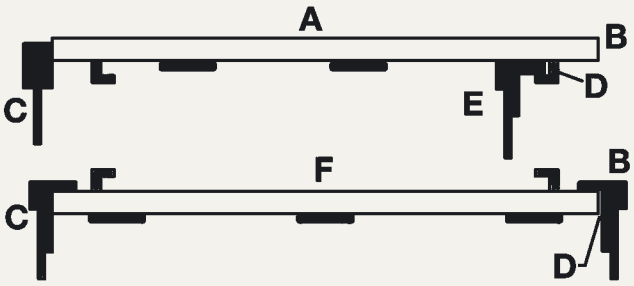


FIGURE 9: HOLD DOWN RAILS AND WEARSTRIPS FOR S2400 FLAT-TURN, STANDARD BELTS – HIGH DECK AND RAISED RIB BELTS; FLUSH EDGE WITH WEARSTRIP AND CROSS SECTION VIEW THROUGH CURVE (CARRYWAY AND RETURNWAY DESIGN). A – HOLD DOWN RAIL PLACEMENT; B – OUTSIDE HOLD DOWN RAIL; C – INSIDE HOLD DOWN RAIL; D – CLEARANCE; E – PRODUCT

BELTS WITH HOLD DOWN GUIDES

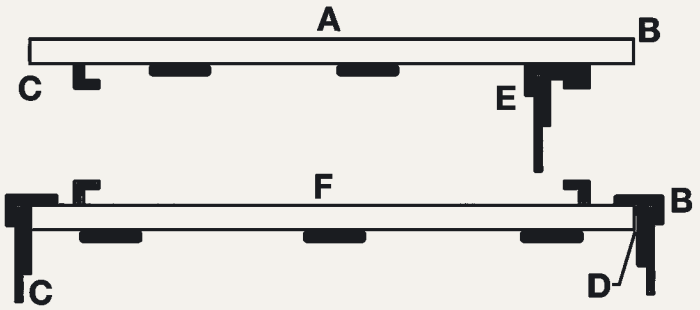
Special wearstrip guidelines for lightly loaded belts with hold down guides.

Cross section view through curve - with inner bump rail



A - Carryway design
B - Outside edge
C - Inside edge

Cross section view through curve - no bump rail
Requirements: maximum belt pull <20% allowable; belt speed <50 fpm



D - Clearance
E - Hold down guide wearstrip
F - Returnway design

CROSS SECTION VIEW THROUGH CURVE – WITH INNER BUMP RAIL (LEFT) AND NO BUMP RAIL (RIGHT; REQUIREMENTS: MAXIMUM BELT PULL <20% ALLOWABLE, BELT SPEED <50 FPM). A – CARRYWAY DESIGN; B – OUTSIDE EDGE; C – INSIDE EDGE; D – CLEARANCE; E – HOLD DOWN GUIDE WEARSTRIP; F – RETURNWAY DESIGN

Warning: Do not use hold down guides to guide the belt through the turn in heavily loaded or high-speed applications. Rapid wear to the hold down guides and/or wearstrip occurs in applications with high loads or speeds. Do not use hold down guides to hold the belt down through a negative transition. Contact Uniking Customer Service for a belt pull analysis.

Figure 10: Hold down rails and wearstrips for series 2400 flat-turns – belts with hold down guides

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See **Engineering Program Analysis for Spiral and Radius Belts** for more information.

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SERIES 2400

S2400 DESIGN GUIDE SUMMARY

S2400 DESIGN GUIDE SUMMARY

For more information, see the **Installation, Maintenance & Troubleshooting Manual** available from Uniking.

- **A** The minimum turn radius for the standard edge S2400 is 2.2 times the belt width, measured from the inside edge. For the tight turning style, the minimum turn radius is 1.7 times the belt width.
- **B** The minimum straight run required between turns of opposing direction is 2.0 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to the drive shaft) is a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times the belt width) require a weighted take up to avoid sprocket wear and tracking problems. See **Special Take-Up Arrangements**.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.
- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft

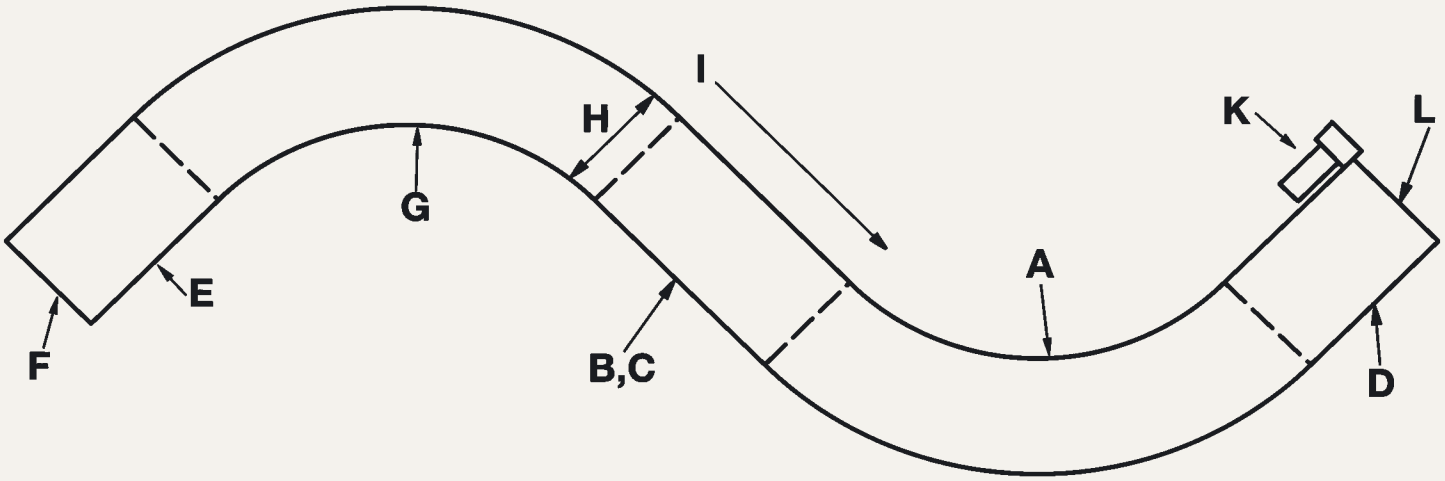


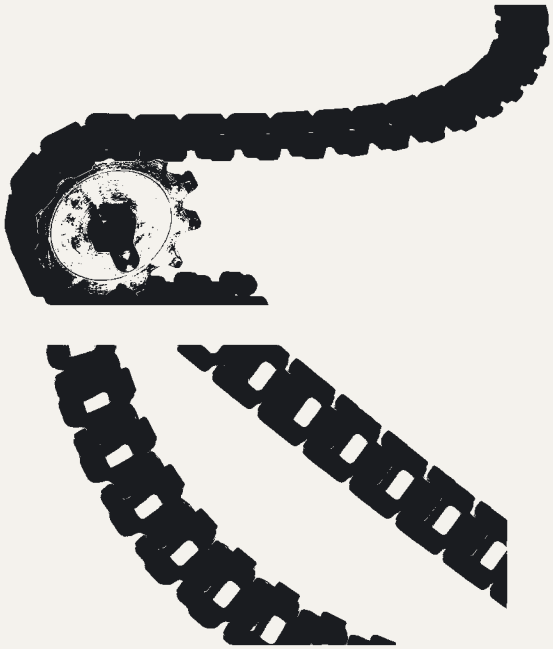
FIGURE 11: TYPICAL TWO-TURN RADIUS LAYOUT

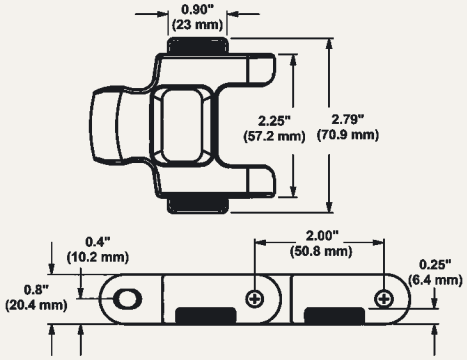
INTRALOX · RADIUS

SERIES 3000 - KNUCKLE CHAIN

KNUCKLE CHAIN

	IN	MM
Pitch	2.00	50.8
Molded Width	2.25	57
Open Area	-	
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Press fit; knurled pin	





PRODUCT NOTES

- **WARNING: Hold down wearstrips are mandatory on the inside and outside edges of all turns, on both the carrying and return side of the belt. Unless they interfere with the operation of the carrying equipment, use the hold down wearstrips throughout the conveyor to protect the belt and personnel next to the conveyor.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Thick, durable plastic surface around stainless steel pins for long life and less breakage.
- Available with extended pins.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Can run on the same tracks as other common chains.
- Available in both straight and turning versions. NOTE: Only the turning version can be used for turning applications. The straight version cannot be used for turning applications.
- The turning version is designed for applications with a minimum centerline turn radius of 16 in (406 mm).
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal (Straight)	303 SS	700	317	-50 to 200	-46 to 93	0.88	1.21
Acetal (Turning)	303 SS	560	254	-50 to 200	-46 to 93	0.90	1.25

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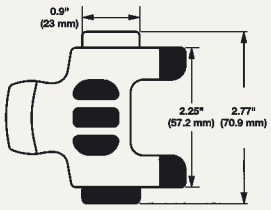
SERIES 3000 - MESH TOP

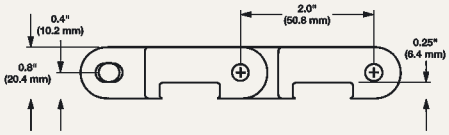
MESH TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	2.3	57.2
Opening Size (approximate)	-	-
Hinge Style	Closed	
Drive Method	Center-driven	
Rod Retention; Rod Type	Press fit; knurled pin	









PRODUCT NOTES

- **WARNING: Hold down wearstrips are mandatory on the inside and outside edges of all turns, on both the carrying and return side of the belt. Unless they interfere with the operation of the carrying equipment, use the hold down wearstrips throughout the conveyor to protect the belt and personnel next to the conveyor.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Mesh Top design eliminates open area for improved worker safety.
- Thick, durable plastic surface around stainless steel pins provides long life and less breakage.
- Available with extended pins.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Can run on the same tracks as other common chains.
- Improved design simplifies cleaning.
- Available in both straight and turning versions. NOTE: Only the turning version can be used for turning applications. The straight version cannot be used for turning applications.
- The turning version is designed for applications with a minimum centerline turn radius of 16 in (406 mm).
- Available in 10 ft (3 m) increments.

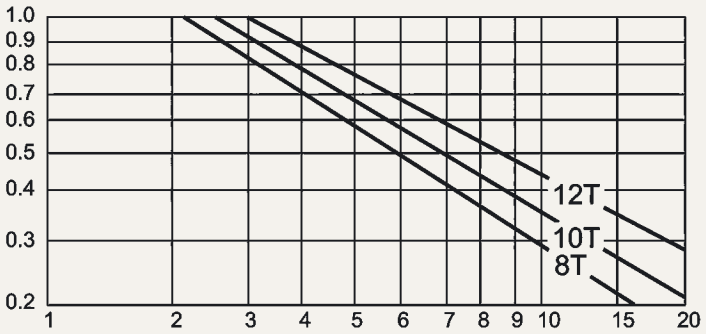
BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal (Straight)	303 SS	700	318	-50 to 200	-46 to 93	0.89	1.32
Acetal (Turning)	303 SS	560	254	-50 to 200	-46 to 93	0.91	1.36

INTRALOX · RADIUS

SERIES 3000

STRENGTH FACTOR



STRENGTH FACTOR CHART – SPEED/LENGTH RATIO (V/L) VS. STRENGTH FACTOR FOR 8T, 10T AND 12T SPROCKETS

STRENGTH FACTOR

Divide belt speed "V" by the shaft centerline distance "L". Strength Factor is found at intersection of speed/length ratio and appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min)

T = number of teeth

L = ft (m)

CHAIN PULL LIMIT WITH UHMW POLYETHYLENE SPROCKETS, BASED ON BORE SIZE - LB (KG)

NO. OF TEETH	NOM. PITCH DIAMETER		1.5 IN SQUARE		40 MM SQUARE		1 IN ROUND		1.25 IN ROUND		1.5 IN ROUND	
	IN	MM	LB	KG	LB	KG	LB	KG	LB	KG	LB	KG
8	5.2	132	640	290	640	290	74	34	90	41	162	74
10	6.5	165	520	236	520	236	78	35	95	43	172	78
12	7.7	196	432	196	432	196	65	29	79	36	143	65

UHMW POLYETHYLENE SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. IN	NOM. PITCH DIA. MM	NOM. OUTER DIA. IN	NOM. OUTER DIA. MM	NOM. HUB WIDTH IN	NOM. HUB WIDTH MM	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND IN[1]	SQUARE IN	ROUND MM[1]	SQUARE MM
8 (7.61%) Square Bore	5.2	132	5.3	135	1.5	38	1-1/4	1.5		40
8 (7.61%) Round Bore	5.2	132	5.3	135	1.2	30	1-1/4	1.5		40
10 (4.89%)	6.5	165	6.7	170	1.5	38	1-1/4	1.5		40
12 (3.41%)	7.7	196	8.0	203	1.5	38	1-1/4	1.5		40

[1] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



UHMW POLYETHYLENE SPROCKET

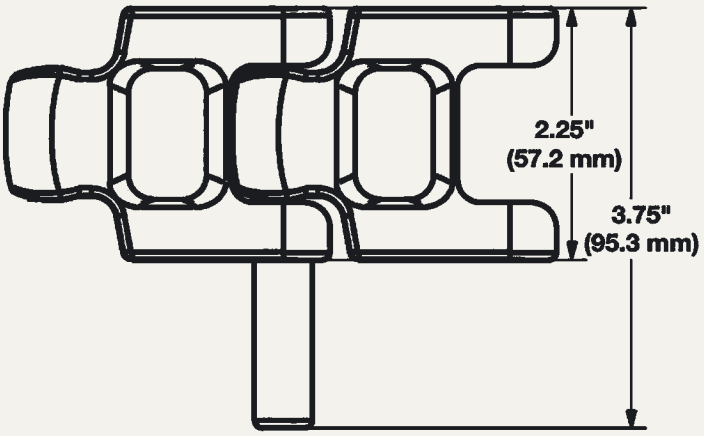
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SERIES 3000

EXTENDED PINS AND TABS

EXTENDED PINS

Modules with 303 stainless steel extended pins can be spliced into both the basic turning and straight running chains. These pins are commonly used in side-by-side chain strands where rollers are used for low back pressure applications. The minimum extended pin spacing is 2.0 in (50.8 mm). The extended pin modules can be spliced into the standard chain every 2.0 in (50.8 mm).



EXTENDED PINS FOR STRAIGHT OR TURNING VERSIONS – 2.25" (57.2 MM), 3.75" (95.3 MM)



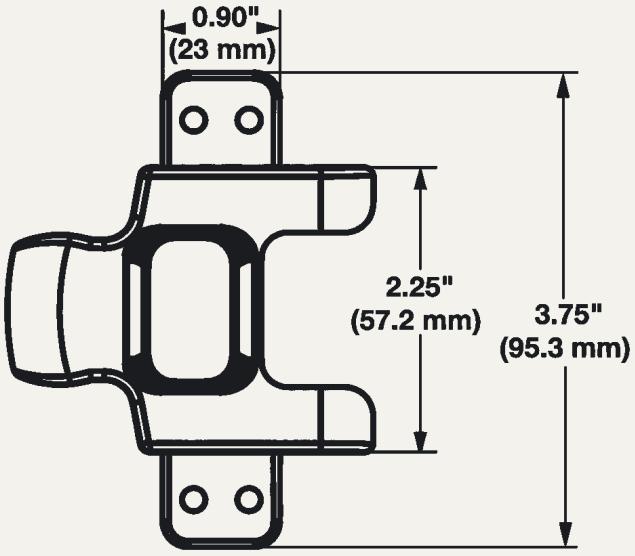
EXTENDED TAB MODULES



EXTENDED PIN MODULES

EXTENDED TABS

Modules with extended tabs can be spliced into both the basic turning and straight running chains. These extended tabs can be used to attach flights, cleats, etc. The extended tab modules are based on the turning chain design, so the rating for the turning chain should be used even if the extended tab modules are spliced into straight running chain. The minimum tab spacing is 2.0 in (50.8 mm). The tabs can be spliced into the standard chain every 2.0 in (50.8 mm).



EXTENDED TABS FOR STRAIGHT OR TURNING VERSIONS – 0.90" (23 MM), 2.25" (57.2 MM), 3.75" (95.3 MM)

Intralox offers only extended tabs and extended pins. Attachments for either of these accessories are not available through Intralox. Contact Uniking Customer Service for lead times.

INTRALOX · RADIUS

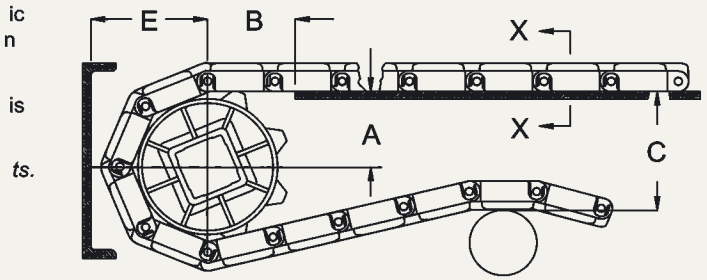
SERIES 3000

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions A, B, C, and E are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the A dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E – A ± 0.031 IN (1 MM), B ± 0.125 IN (3 MM), C ± (MAX.), E ± (MIN.)

CONVEYOR FRAME DIMENSIONS

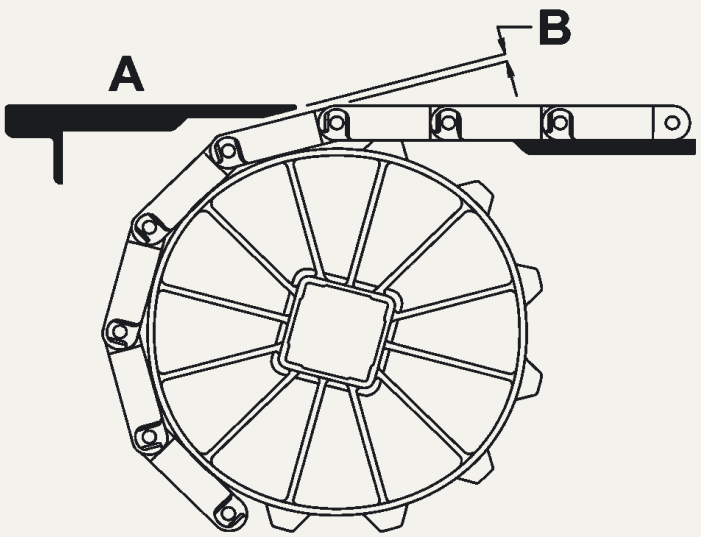
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S3000 KNUCKLE CHAIN, MESH TOP										
5.2	132	8	2.01-2.21	51-56	2.29	58	5.23	1.33	3.14	80
6.5	165	10	2.68-2.84	68-72	2.63	67	6.47	164	3.76	96
7.7	196	12	3.33-3.46	85-88	2.94	75	7.73	196	4.39	112

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a fixed point (the tip of the dead plate) with varying clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A – TOP SURFACE OF DEAD PLATE; B – DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
5.2	132	8	0.200	5.1
6.5	165	10	0.158	4.0
7.7	196	12	0.132	3.4

INTRALOX · RADIUS

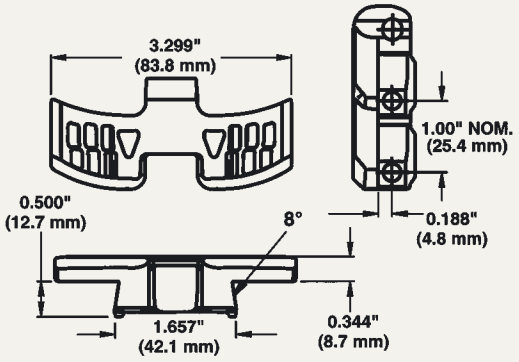
SERIES 4000 - S4009 FLUSH GRID

S4009 FLUSH GRID

	IN	MM
Pitch	1.00	25.4
Molded Width	3.3	84
Open Area	13%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Same deck thickness as the straight-running belt counterpart Series 900 FG [0.344 in (8.7 mm)].
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All S1400 and S4000 sprockets are split, so shafts do not have to be removed for retrofits and changeovers.
- Uniking can calculate the estimated belt pull for your application. Contact Uniking Customer Service for more information.
- Designed for applications with a minimum centerline turn radius of 18 in (457 mm).
- Corner tracks, with bevel design, are mandatory on the inside edges of all turns.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	0.97	1.44 · Belt Width 3.3 in · 84 mm
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	0.97	1.44 · Belt Width 3.3 in · 84 mm

INTRALOX · RADIUS

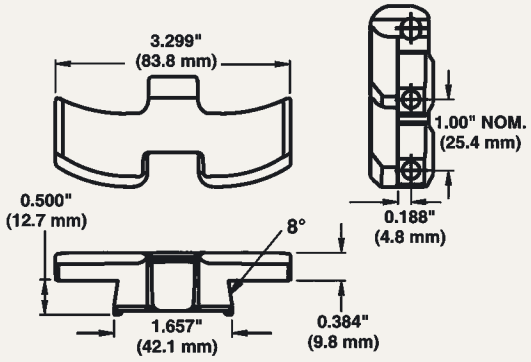
SERIES 4000 - S4009 FLAT TOP

S4009 FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	3.3	84
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All S1400 and S4000 sprockets are split, so shafts do not have to be removed for retrofits and changeovers.
- Uniking can calculate the estimated belt pull for your application. Contact Uniking Customer Service for more information.
- See the belt data table for minimum centerline turn radius.
- Designed for applications with a minimum centerline turn radius of 18 in (457 mm).
- Corner tracks, with bevel design, are mandatory on the inside edges of all turns.
- Available in 10 ft (3 m) increments.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.11	1.65 · Belt Width 3.3 in · 84 mm
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	0.98	1.46 · Belt Width 3.3 in · 84 mm

INTRALOX · RADIUS

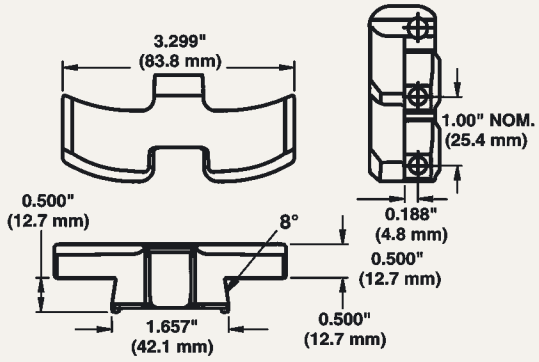
SERIES 4000 - S4014 FLAT TOP

S4014 FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	3.3	84
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Same deck thickness as the straight-running belt counterpart, S1400 Flat Top: (0.5 in (12.7 mm).
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All S1400 and S4000 sprockets are split, so shafts do not have to be removed for retrofits and changeovers.
- Uniking can calculate the estimated belt pull for your application. Contact Uniking Customer Service for more information.
- Corner tracks, with bevel design, are mandatory on the inside edges of all turns.
- Available in 10 ft (3 m) increments.
- Designed for applications with a minimum centerline turn radius of 18 in (457 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.29	1.92 · Belt Width 3.3 in · 84 mm

INTRALOX · RADIUS

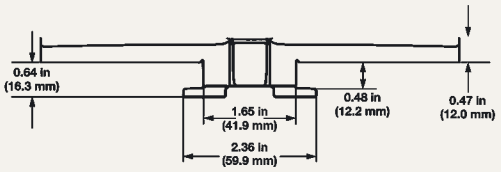
SERIES 4000 · S4030 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

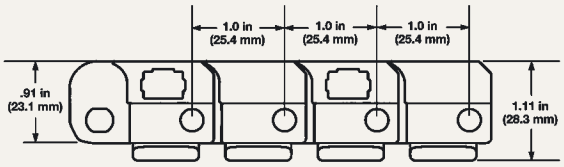
S4030 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	191.0
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	









PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two powerful, blue, Teflon™-coated magnets are embedded in each module (one magnet per wing).
- Blue, metal-detectable, nylon caps retain magnets in modules.
- Hold down tabs match dimensions of S4090.
- Thicker deck than Series 409X Flat Top for increased wear resistance.
- Standard configuration consists of alternating rows of magnetic modules and Series 403X Sideflexing Flat Top modules.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses the same sprockets as S1400 and S4000.
- Needs only one drive sprocket and one idle sprocket per belt strand.
- Determine belt spacing based on maximum surface contact with the bottom surface of the conveyed product.
- Ideal for incline, decline, vertical switch, and other applications.
- Minimum sprocket pitch diameter: 3.9 in (99.0 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	2.44	3.63 · Belt Width 7.5 in · 191.0 mm

INTRALOX · RADIUS

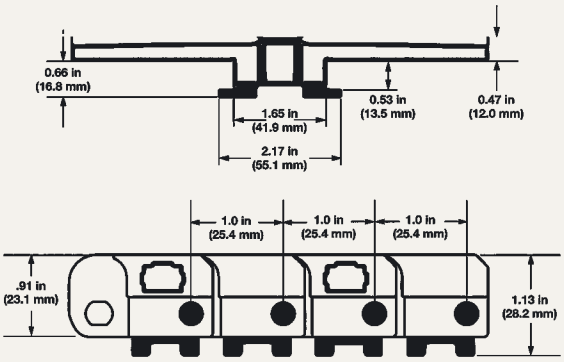
SERIES 4000 · S4031 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

S4031 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	191.0
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two powerful, blue, Teflon™-coated magnets are embedded in each module (one magnet per wing).
- Blue, metal-detectable, nylon caps retain magnets in modules.
- Hold down tabs match dimensions of S4091.
- Thicker deck than S409X Flat Top for increased wear resistance.
- Standard configuration consists of alternating rows of magnetic modules and S403X Sideflexing Flat Top modules.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses the same sprockets as S1400 and S4000.
- Needs only one drive sprocket and one idle sprocket per belt strand.
- Determine belt spacing based on maximum surface contact with the bottom surface of the conveyed product.
- Ideal for incline, decline, vertical switch, and other applications.
- Minimum sprocket pitch diameter: 3.9 in (99.0 mm).

BELT DATA

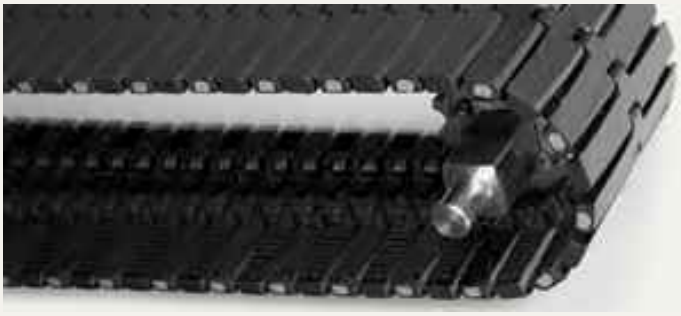
BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	2.44	3.63 · Belt Width 7.5 in · 191.0 mm

INTRALOX · RADIUS

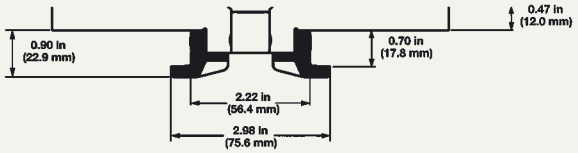
SERIES 4000 · S4032 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

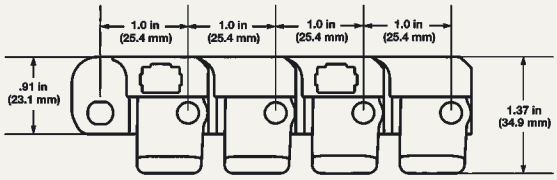
S4032 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP WITH TABS

	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	191.0
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	









PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two powerful, blue, Teflon™-coated magnets are embedded in each module (one magnet per wing).
- Blue, metal-detectable, nylon caps retain magnets in modules.
- Hold down tabs match dimensions of S4092.
- Thicker deck than S409X Flat Top for increased wear resistance.
- Standard configuration consists of alternating rows of magnetic modules and S403X Sideflexing Flat Top modules.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses the same sprockets as S1400 and S4000.
- Needs only one drive sprocket and one idle sprocket per belt strand.
- Determine belt spacing based on maximum surface contact with the bottom surface of the conveyed product.
- Ideal for incline, decline, vertical switch, pan indexing, metering, de-lidding, and radius applications.
- Minimum sprocket pitch diameter: 5.1 in (129.5 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	2.66	3.95 · Belt Width 7.5 in · 191.0 mm

INTRALOX · RADIUS

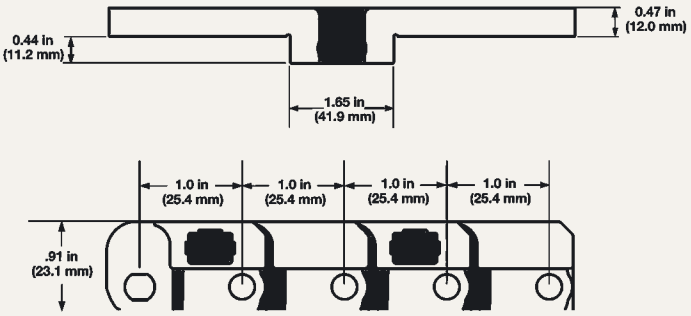
SERIES 4000 · S4033 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP

S4033 7.5-IN PROTRAX™ SIDEFLEXING FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	191.0
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Two powerful, blue, Teflon™-coated magnets are embedded in each module (one magnet per wing).
- Blue, metal detectable, nylon caps retain magnets in modules.
- Standard configuration consists of alternating rows of magnetic modules and Series 403X Sideflexing Flat Top modules.
- Thicker deck than Series 409X Flat Top for increased wear resistance.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses the same sprockets as S1400 and S4000.
- Needs only one drive sprocket and one idle sprocket per belt strand.
- Determine belt spacing based on maximum surface contact with the bottom surface of the conveyed product.
- Ideal for incline, decline, vertical switch, and other applications.
- Minimum sprocket pitch diameter: 3.9 in (99.0 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
HHR nylon	303 SS	500	227	-50 to 310	-46 to 154	2.29	3.41 · Belt width 7.5 in · 191.0 mm

INTRALOX · RADIUS

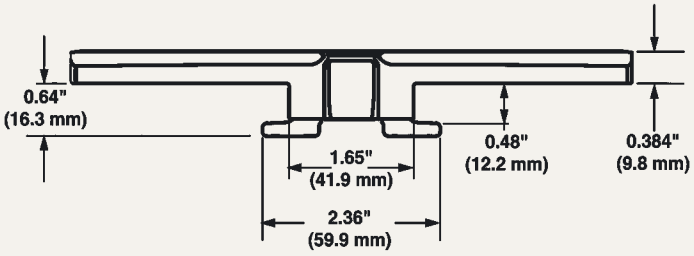
SERIES 4000 - S4090 SIDEFLEXING FLAT TOP

S4090 SIDEFLEXING FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	3.25	83
	4.5	114
	7.5	191
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Same deck thickness as the straight-running counterpart, S900 Flat Top [0.384 in (9.8 mm)].
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Uniking can calculate the estimated belt pull for your system. Contact Uniking Customer Service for more information.
- See Belt Data for minimum centerline turn radius.
- Available in 10 ft (3 m) increments.
- Minimum backbend radius: For 3.25 in (83 mm) and 4.5 in (114 mm) wide belts, the minimum backbend radius is 6 in (152.4 mm). For 7.5 in (191 mm) wide, the minimum backbend radius is 9.25 in (235 mm) but 12 in (305 mm) is recommended.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.21	1.80 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.40	2.08 · Belt width 4.5 in · 114 mm · Minimum centerline turn radius 18 in · 457 mm
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.86	2.77 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24 in · 610 mm
HR nylon	303 SS	500	227	-50 to 240	-46 to 116	1.02	1.52 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm
HR nylon	303 SS	500	227	-50 to 240	-46 to 116	1.54	2.29 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24 in · 610 mm

INTRALOX · RADIUS

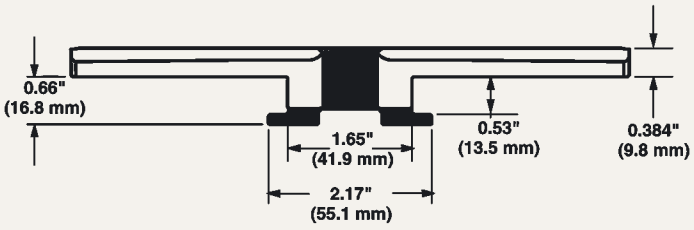
SERIES 4000 - S4091 SIDEFLEXING FLAT TOP

S4091 SIDEFLEXING FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	3.25	83
	4.5	114
	7.5	191
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Same deck thickness as the straight running belt counterpart, S900 Flat Top [0.384 in (9.8 mm)].
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- See Belt Data for minimum centerline turn radius.
- Uniking can calculate the estimated belt pull for your system. Contact Uniking Customer Service for more information.
- Available in 10 ft (3 m) increments.
- Minimum backbend radius: For 3.25 in (83 mm) and 4.5 in (114 mm) wide belts, the minimum backbend radius is 6 in (152.4 mm). For 7.5 in (191 mm) wide, the minimum backbend radius is 9.25 in (235 mm) but 12 in (305 mm) is recommended.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.22	1.81 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.40	2.08 · Belt width 4.5 in · 114 mm · Minimum centerline turn radius 18 in · 457 mm
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.84	2.74 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24 in · 610 mm
HR nylon	303 SS	500	227	-50 to 240	-46 to 116	1.02	1.52 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm
HR nylon	303 SS	500	227	-50 to 240	-46 to 116	1.54	2.29 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24 in · 610 mm

INTRALOX · RADIUS

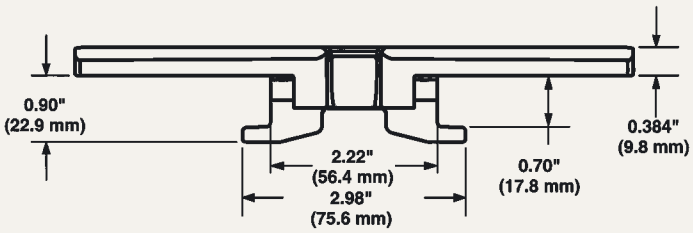
SERIES 4000 - S4092 SIDEFLEXING FLAT TOP

S4092 SIDEFLEXING FLAT TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	3.25	83
	4.5	114
	7.5	191
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Same deck thickness as the straight-running counterpart S900 Flat Top: 0.384 in (9.8 mm).
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Uses S1400 sprockets.
- All sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- 3.9 in (99 mm) pitch diameter sprockets are not compatible with S4092 belts.
- Uniking can calculate the estimated belt pull for your system. Contact Uniking Customer Service for more information.
- Available in 10 ft (3 m) increments.
- Minimum backbend radius: For 3.25 in (83 mm) and 4.5 in (114 mm) wide belts, the minimum backbend radius is 6 in (152.4 mm). For 7.5 in (191 mm) wide, the minimum backbend radius is 9.25 in (235 mm) but 12 in (305 mm) is recommended.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.43	2.13 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm · FDA (USA): • · J¹: • · EU MC²: •
Acetal	303 SS	500	227	-50 to 200	-46 to 93	1.61	2.40 · Belt width 4.5 in · 114 mm · Minimum centerline turn radius 18 in · 457 mm · FDA (USA): • · J¹: • · EU MC²: •
Acetal	303 SS	500	227	-50 to 200	-46 to 93	2.05	3.05 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24 in · 610 mm · FDA (USA): • · J¹: • · EU MC²: •
HR nylon	303 SS	500	227	-50 to 240	-46 to 116	1.26	1.87 · Belt width 3.25 in · 83 mm · Minimum centerline turn radius 18 in · 457 mm · FDA (USA): • · J¹: · EU MC²: •
HR nylon	303 SS	500	227	-50 to	-46 to	1.71	2.55 · Belt width 7.5 in · 191 mm · Minimum centerline turn radius 24

INTRALOX · RADIUS

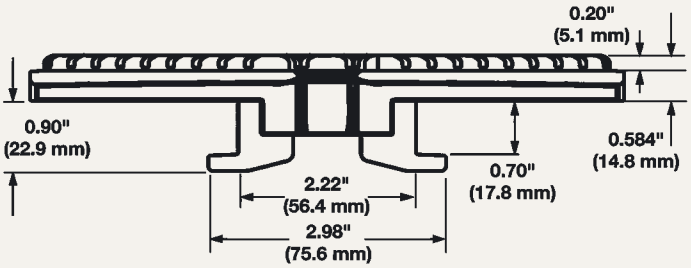
SERIES 4000 - S4092 SIDEFLEXING SQUARE FRICTION TOP

S4092 SIDEFLEXING SQUARE FRICTION TOP

	IN	MM
Pitch	1.00	25.4
Molded Width	7.5	191
Open Area	0%	
Hinge Style	Closed	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Press fit; knurled pin	







PRODUCT NOTES

- **Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.**
- Available in blue acetal with black rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Use the same sprockets as S1400 and S4000.
- Sprockets feature a split design, so shafts do not have to be removed for retrofits and changeovers.
- Uniking can calculate the estimated belt pull for your system. Contact Uniking Customer Service for assistance.
- 3.9 in (99 mm) pitch diameter sprockets are not compatible with S4092 belts.
- Available in 10 ft (3 m) increments.

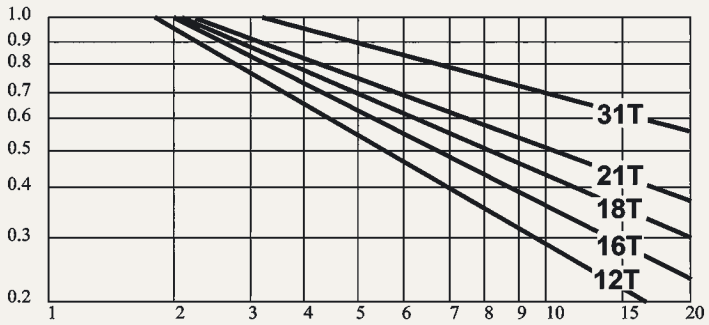
BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.25 IN (6.4 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	303 SS	500	227	-10 to 130	-23 to 54	2.35	3.50 · Belt Width: 7.5 in / 191 mm · Base/Friction Color: Blue/Black · Friction Top Hardness: 54 Shore A · Minimum Centerline Turn Radius: 24 in / 610 mm · Agency Acceptability FDA (USA): a · EU MC: c

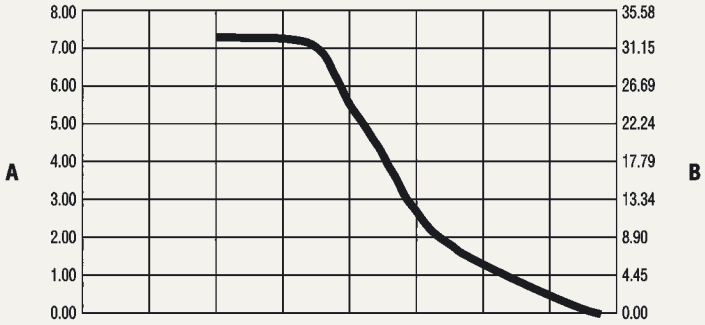
• - Fully compliant. a - FDA Compliant with Restriction: Do not use in direct contact with fatty foods. b - European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. c - EU compliant with Restriction: Do not use in direct contact with fatty foods.

INTRALOX · RADIUS

SERIES 4000



STRENGTH FACTOR VS. SPEED/LENGTH RATIO (V/L) FOR 12T, 16T, 18T, 21T AND 31T SPROCKETS



S4032 PROTRAX WITH TABS AND S4033 PROTRAX – MAGNET FORCE VS. METAL THICKNESS

STRENGTH FACTOR

SPEED/LENGTH RATIO (V/L)

Divide belt speed "V" by the shaft CL distance "L". Strength Factor is found at intersection of speed/length ratio and appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min) T = number of teeth L = ft (m)

S4032 PROTRAX WITH TABS AND S4033 PROTRAX

METAL THICKNESS (STEEL GAUGE)

A = MAGNET FORCE, (lbf)

B = MAGNET FORCE, (N)

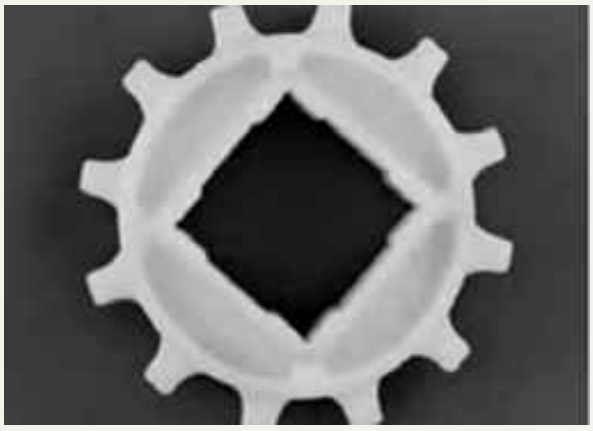
NOTE: Magnet force shown is for a single magnet within one wing of one module, using a flat pan.

Results will vary for different pan styles and surface textures.

MOLDED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
12 (3.41%)	3.9[1]	99[1]	3.9	99	1.5	38	-	1.5	-	40
15 (2.19%)	4.9	124	4.9	124	1.5	38		2.5		60
18 (1.52%)	5.7	145	5.8	148	1.5	38	2	2.5	50	60
24 (0.86%)	7.7	196	7.8	198	1.5	38		2.5		60

[1] 3.9 PD sprockets are not compatible with Series 4092 belts.



MOLDED SPROCKET

INTRALOX · RADIUS

SERIES 4000 (CONT.)

NYLON FDA SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[2]	SQUARE (IN)	ROUND (MM)[2]	SQUARE (MM)
16 (1.92%)	5.1	130	5.2	132	1.5	38	1.25, 1.5	1.5	30	40

[2] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



NYLON FDA SPLIT SPROCKET

MAXIMUM LOAD PER GLASS FILLED NYLON SPLIT SPROCKET BASED ON ROUND BORE SIZE RANGE - LB (KG)

NO. OF TEETH	NOM. PITCH DIAMETER		1 IN - 1-3/16 IN		1-1/4 IN - 1-3/8 IN		1-7/16 IN - 1-3/4 IN		1-13/16 IN - 2 IN		25 MM -35 MM		40 MM -50 MM	
	IN	MM	LB	KG	LB	KG	LB	KG	LB	KG	LB	KG	LB	KG
18	5.7	145	300	135	340	155	400	180	540	245	240	110	410	185
21	6.7	170	225	102	275	124	350	158	500	226	175	79	400	181

INTRALOX · RADIUS

SERIES 4000

GLASS FILLED NYLON SPLIT SPROCKETS

GLASS FILLED NYLON SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[1]	SQUARE (IN)	ROUND (MM)[1]	SQUARE (MM)
18 (1.52%)	5.7	145	5.8	148	2.0	51	1 to 2 in 1/16 increments	1.5, 2.5	25 to 50 in 5 increments	40, 60
21 (1.12%)	6.7	170	6.8	172	2.0	51	1 to 2 in 1/16 increments[2]	1.5, 2.5	25 to 50 in 5 increments	40, 60

[1] Imperial key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.
[2] Tight fit round bores are available in 1-1/4, 1-3/16, 1-1/2, and 1-7/16 in



GLASS FILLED NYLON SPLIT SPROCKETS

POLYPROPYLENE COMPOSITE SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)[3]	SQUARE (IN)	ROUND (MM)[3]	SQUARE (MM)
18 (1.52%)	5.7	145	5.8	148	2.0	51		1.5, 2.5		40, 60
21 (1.12%)	6.7	170	6.8	172	2.0	51		1.5, 2.5		40, 60
31 (0.51%)	9.9	251	10.1	257	2.0	51		3.5		

[3] U.S. key sizes on round bore sprockets conform to ANSI standard B17.1-1967 (R1989) and metric key sizes conform to DIN standard 6885.



POLYPROPYLENE COMPOSITE SPLIT SPROCKET

INTRALOX · RADIUS

SERIES 4000 (CONT.)

POLYURETHANE COMPOSITE SPLIT SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
31 (0.51%)	9.9	251	10.1	257	1.50, 1.67	38, 44		3.5, 2.5[4]		

[4] The 2.5 in square bore is created by using a bore adapter in the 3.5 in square bore sprocket.



POLYURETHANE COMPOSITE SPLIT SPROCKET

INTRALOX · RADIUS

SERIES 4000

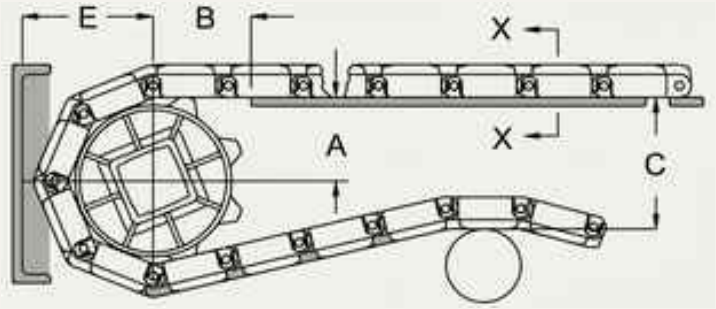
MACHINED SPROCKET

MACHINED SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
18 (1.52%)	5.7	145	5.8	148	1.5	38			30, 40	



SERIES 4000 MACHINED SPROCKETS



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.

DIMENSIONAL TOLERANCES

DIM.	TOLERANCE
A	± 0.031 in (1 mm)
B	± 0.125 in (3 mm)
C	± (max.)
E	± (min.)

INTRALOX · RADIUS

SERIES 4000

CONVEYOR FRAME DIMENSIONS A, B, C AND E BY SPROCKET

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S4009 FLUSH GRID										
3.9	99	12	2.07-2.14	53-54	2.31	59	4.62	117	2.73	69
5.1	130	16	2.73-2.78	69-71	2.51	64	5.90	150	3.37	86
5.7	145	18	3.05-3.10	77-79	2.54	65	6.54	166	3.69	94
6.7	170	21	3.54-3.58	90-91	2.70	69	7.50	191	4.17	106
9.9	251	31	5.15-5.18	131-132	3.15	80	10.70	272	5.77	147
S4009 FLAT TOP										
3.9	99	12	2.07-2.14	53-54	2.31	59	4.66	118	2.77	70
5.1	130	16	2.73-2.78	69-71	2.51	64	5.94	151	3.41	87
5.7	145	18	3.05-3.10	77-79	2.54	65	6.58	167	3.73	95
6.7	170	21	3.54-3.58	90-91	2.70	69	7.54	192	4.21	107
9.9	251	31	5.15-5.18	131-132	3.15	80	10.74	273	5.81	148
S4014 FLAT TOP										
3.9	99	12	2.07-2.14	53-54	2.31	59	4.24	108	2.68	68
5.1	130	16	2.73-2.78	69-71	2.51	64	5.49	139	3.64	92
5.7	145	18	3.05-3.10	77-79	2.54	65	6.09	155	3.95	100
6.7	170	21	3.54-3.58	90-91	2.70	69	7.09	180	4.43	113
9.9	251	31	5.15-5.18	131-132	3.15	80	10.86	276	5.93	151
S4030 AND S4031 7.5-IN PROTRAX SIDEFLEXING FLAT TOP WITH TABS										
3.9	99	12	2.07-2.17	53-54	2.31	59	4.66	118	2.77	70
5.1	130	16	2.73-2.78	67-71	2.51	64	5.989	152	3.459	88
5.8	147	18	3.05-3.10	77-79	2.54	65	6.629	168	3.779	96
6.7	170	21	3.54-3.58	90-91	2.7	69	7.589	193	4.259	108
9.9	251	31	5.15-5.18	131-132	3.15	80	10.789	274	5.859	149
S4032 7.5-IN PROTRAX SIDEFLEXING FLAT TOP WITH TABS										
5.1	130	16	2.73-2.78	67-71	2.51	64	5.99	152	3.46	88
5.8	147	18	3.05-3.10	77-79	2.54	65	6.63	168	3.78	96
6.7	170	21	3.54-3.58	90-91	2.7	69	7.59	193	4.26	108
9.9	251	31	5.15-5.18	131-132	3.15	80	10.79	274	5.86	149
S4033 7.5-IN PROTRAX SIDEFLEXING FLAT TOP										
3.9	99	12	2.07-2.17	53-54	2.31	59	4.66	118	2.77	70
5.1	130	16	2.73-2.78	67-71	2.51	64	5.989	152	3.459	88
5.8	147	18	3.05-3.10	77-79	2.54	65	6.629	168	3.779	96
6.7	170	21	3.54-3.58	90-91	2.7	69	7.589	193	4.259	108

CONVEYOR FRAME DIMENSIONS (CONT.)

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
9.9	251	31	5.15-5.18	131-132	3.15	80	10.789	274	5.859	149
S4090, S4091, S4092 SIDEFLEXING FLAT TOP										
3.9	99	12	2.07-2.14	53-54	2.31	59	4.62	117	2.73	69
5.1	130	16	2.73-2.78	69-71	2.51	64	5.90	150	3.37	86
5.7	145	18	3.05-3.10	77-79	2.54	65	6.54	166	3.69	94
6.7	170	21	3.54-3.58	90-91	2.70	69	7.50	191	4.17	106

INTRALOX · RADIUS

SERIES 4000

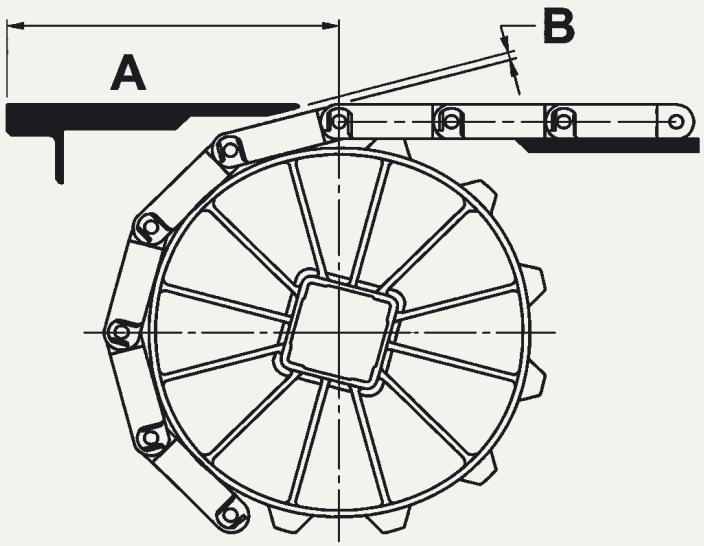
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A — TOP SURFACE OF DEAD PLATE; B — DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
3.9	99	12	0.066	1.7
5.1	130	16	0.050	1.3
5.7	145	18	0.044	1.1
6.7	170	21	0.038	1.0
9.9	251	31	0.025	0.6

INTRALOX

SPIRAL BELTS

PLASTIC MODULAR BELTING · SERIES DATA, SPROCKETS & ACCESSORIES

377 Product Line
378 Series 2600
390 Series 2700
402 Series 2800
410 Series 2850
413 Series 2900
419 Series 2950
422 Products

INTRALOX · SPIRAL

PRODUCT LINE

SPIRAL BELTS

ENGINEERING PROGRAM ANALYSIS FOR SPIRAL AND RADIUS BELTS

Uniking can calculate the estimated belt pull for radius applications and ensure that the belt is strong enough for the application. Contact Uniking Customer Service for more information.

INFORMATION REQUIRED FOR AN ANALYSIS

- Any environmental conditions which can affect the friction coefficient. For dirty or abrasive conditions, use higher-than-normal friction coefficients.
- Belt width
- Length of each straight run
- Turning angle of each turn
- Turn direction of each turn
- Inside turn radius of each turn
- Carryway and hold down rail material
- Product load lbf/ft^2 (kgf/m^2)
- Product accumulation conditions
- Belt speed
- Elevation changes in each section
- Operating temperatures

Uniking can help select radius belt and low-tension capstan drive spiral belts for your application. Contact Uniking Customer Service for more information.

INTRALOX · SPIRAL

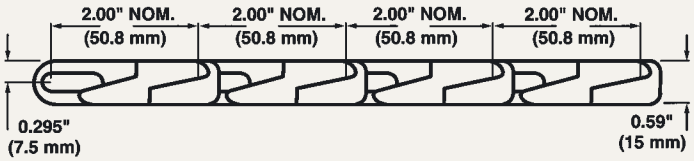
SERIES 2600 - SPIRAL 1.0

SPIRAL 1.0

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	18	660
Maximum Width[1]	50	1270
Width Increments	1.0	25.4
Opening Size (approximate)	0.85 × 0.88	21.6 × 22.5
Open Area (fully extended)	56%	
Minimum Open Area (1.0TR)	22%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive spiral applications with a minimum turn radius of 1.0 times the belt width (measured from inside edge).
- Contact Uniking to predict strength requirements for radius applications, and ensure that the belt is strong enough for the application.
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Minimum sprocket indent from the inside (collapsed) edge of the spiral: 12 in (304.8 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1300	1935	-50 to 200	-46 to 93	1.46	7.13 · Spiral belt strength²: 300 lb / 136 kg
SELM	Acetal	1300	1935	-50 to 200	-46 to 93	1.24	6.05 · Spiral belt strength²: 300 lb / 136 kg

[1] Contact Uniking Customer Service for more information regarding belt widths under 26 in (660 mm) and over 50 in (1270 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

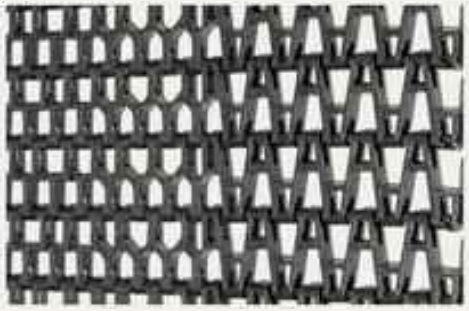
INTRALOX · SPIRAL

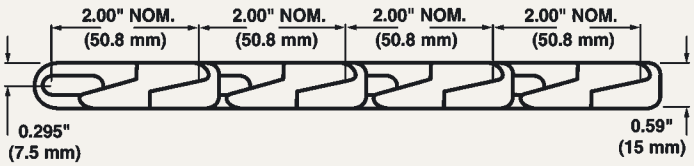
SERIES 2600 - SPIRAL 1.1

SPIRAL 1.1

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	15	381
Maximum Width[1]	44	1118
Width Increments	1.00	25.4
Opening Size (approximate)	0.85 × 0.88	21.6 × 22.5
Open Area (fully extended)	56%	
Minimum Open Area (1.1 Turn Ratio)	22%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive spiral applications with a minimum turn radius of 1.1 times the belt width (measured from inside edge).
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Minimum sprocket indent from the inside (collapsed) edge of the spiral: 9.0 in (228.6 mm).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1300	1935	-50 to 200	-46 to 93	1.44	7.03 · Spiral belt strength[2]: 300 lb / 136 kg
SELM	Acetal	1300	1935	-50 to 200	-46 to 93	1.24	6.05 · Spiral belt strength[2]: 300 lb / 136 kg

[1] Contact Uniking Customer Service for information regarding belt widths under 15 in (381 mm) and over 44 in (1118 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

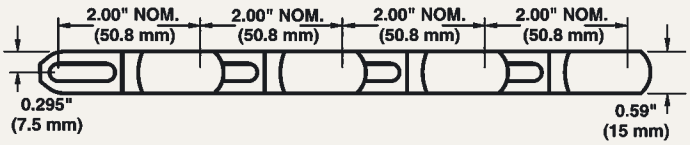
SERIES 2600 - SPIRAL 1.6, 2.0

SPIRAL 1.6, 2.0

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	24	610
Maximum Width	60	1524
Width Increments	1.00	25.4
Opening Size (approximate)	0.94 × 0.65	23.8 × 16.5
Open Area (fully extended)	54%	
Minimum Open Area (1.6 Turn Ratio)	40%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive spiral applications with a minimum turn radius of 1.6 times the belt width (measured from inside edge).
- Contact Uniking Customer Service for preferred run direction on spiral applications.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.41	6.88 · Spiral belt strength²: 375 lb / 170 kg
Polypropylene[3]	Acetal	1500	2232	34 to 200	1 to 93	1.01	4.93 · Spiral belt strength²: 300 lb / 136 kg
SELM	Acetal	1500	2232	-50 to 200	-46 to 93	1.24	6.05 · Spiral belt strength²: 300 lb / 136 kg

[1] Contact Uniking Customer Service for more information regarding belt widths under 24 in (610 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths. [3] Available in 1.6 radius only.

INTRALOX · SPIRAL

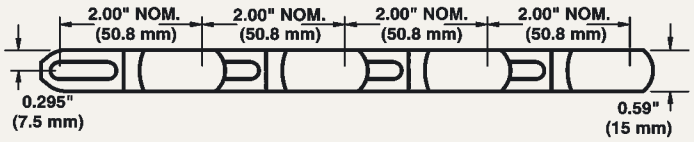
SERIES 2600 - SPIRAL 2.2, 2.5, AND 3.2

SPIRAL 2.2, 2.5, AND 3.2

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	24	610
Maximum Width	60	1524
Width Increments	1.00	25.4
Opening Size (approximate)	0.94 × 0.65	23.8 × 16.5
% Open Area (fully extended)	57%	
% Minimum Open Area (2.2 Turn Ratio)	32%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive spiral applications with a minimum turn radius of 2.2 times the belt width (measured from inside edge).
- Contact Uniking Customer Service for preferred run direction on spiral applications.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.54	7.52 · Spiral belt strength² 475 lb · 215 kg
Polypropylene	Acetal	1500	2232	34 to 200	1 to 93	1.04	5.08 · Spiral belt strength² 400 lb · 181 kg
SELM	Acetal	1500	2232	-50 to 200	-46 to 93	1.24	6.05 · Spiral belt strength² 375 lb · 170 kg

[1] Contact Uniking Customer Service for more information regarding belt widths under 24 in (610 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

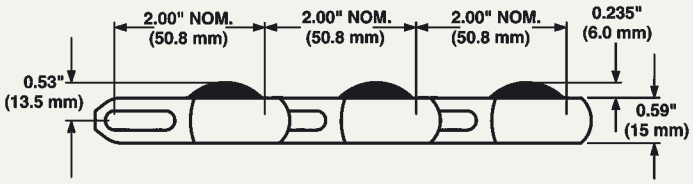
SERIES 2600 - SPIRAL ROUNDED FRICTION TOP

SPIRAL ROUNDED FRICTION TOP

	IN	MM
Pitch	2.00	50.8
Minimum Width	24	610
Maximum Width	60	1524
Width Increments	1.00	25.4
Opening Size (approximate)	0.94 × 0.65	23.8 × 16.5
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Friction Top is available in white polypropylene with white rubber, blue polypropylene with black rubber, and natural polyethylene with white rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Contact Uniking Customer Service for minimum indent requirements.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal (Blue/Black)	Acetal	1700	2530	34 to 150	1 to 66	1.44 (1.54)	7.03 (7.52) · Spiral belt strength 1.6 TR (2.2, 2.5, 3.2 TR): 375 (475) lb · 170 (215) kg · Friction Top Hardness 55 Shore A · FDA (USA) • · EU MC c
Acetal (White/White)	Acetal	1700	2530	35 to 150	2 to 66	1.44 (1.54)	7.03 (7.52) · Spiral belt strength 1.6 TR (2.2, 2.5, 3.2 TR): 376 (475) lb · 171 (215) kg · Friction Top Hardness 55 Shore A · FDA (USA) a · EU MC c
Polypropylene (Blue/Black)	Acetal	1500	2232	34 to 150	1 to 66	1.01 (1.04)	4.93 (5.08) · Spiral belt strength 1.6 TR (2.2, 2.5, 3.2 TR): 300 (400) lb · 136 (181) kg · Friction Top Hardness 55 Shore A · FDA (USA) a · EU MC —
Polypropylene (White/White)	Acetal	1500	2232	34 to 150	1 to 66	1.01 (1.04)	4.93 (5.08) · Spiral belt strength 1.6 TR (2.2, 2.5, 3.2 TR): 300 (400) lb · 136 (181) kg · Friction Top Hardness 55 Shore A · FDA (USA) a · EU MC c

INTRALOX · SPIRAL

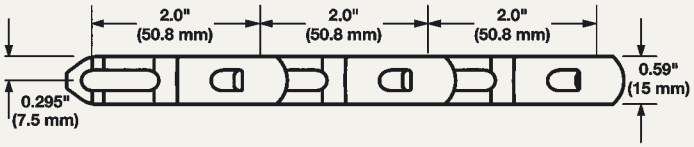
SERIES 2600 · DUAL TURNING 2.0

DUAL TURNING 2.0

	IN	MM
Pitch	2.00	50.8
Minimum Width	18	457.2
Maximum Width	60	1524
Width Increments	1.0	25.4
Opening Size (approximate)	0.94 × 0.65	23.8 × 16.5
Open Area (fully extended)	57%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Do not use in spiral conveyor systems.
- Designed for standard drive and i-Drive systems.
- Rod insertion is accomplished from the edge of the belt. No special tools are required.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Preferred run direction is to align with slotted holes leading.
- Turn ratio of 2.0 times belt width (radius measured at inside edge).
- Consult Uniking for specific widths not listed here.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.54	7.52 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Polypropylene	Acetal	1500	2232	34 to 200	1 to 93	1.04	5.08 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
SELM	Acetal	990	1473	-50 to 200	-46 to 93	1.24	6.05 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

INTRALOX · SPIRAL

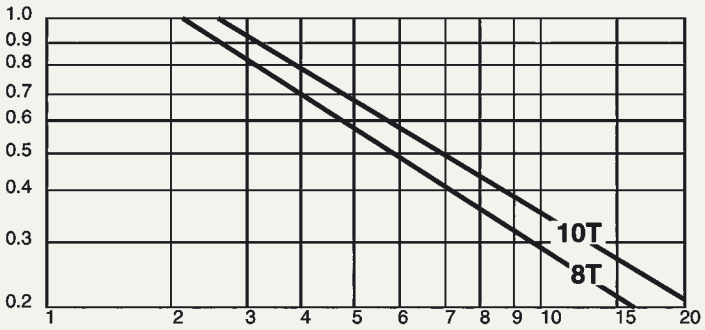
SERIES 2600

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE[1]

BELT WIDTH RANGE[2]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[3]	WEARSTRIPS	
IN	MM		CARRYWAY	RETURNWAY
24	610	3	3	3
26	660	3	3	3
28	711	5	3	3
30	762	5	3	3
32	813	5	3	3
34	864	5	3	3
36	914	5	3	3
38	965	5	4	4
40	1016	5	4	4
42	1067	5	4	4
44	1118	7	4	4
46	1168	7	4	4
48	1219	7	4	4
50	1270	7	4	4
52	1321	7	4	4
54	1372	7	5	5
56	1422	7	5	5
58	1473	7	5	5
60	1524	9	5	5

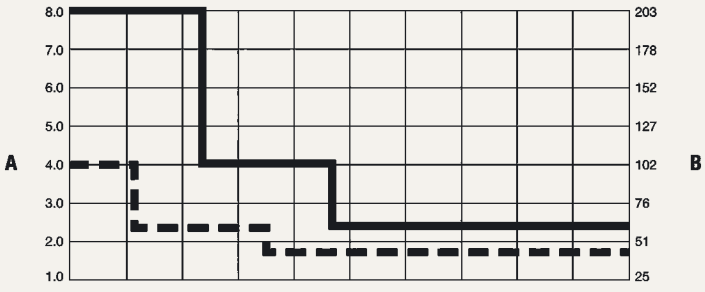
Belt Width Range: For other widths, use an odd number of sprockets at Maximum 6 in (152 mm) centerline spacing.
Minimum Number of Sprockets Per Shaft: Contact Uniking Customer Service for more information.
Wearstrips: Maximum 12 in (305 mm) centerline spacing.
[1] For low-tension capstan drive spirals, contact Uniking Customer Service for suggested carryway support recommendations. Support belt edges using support rollers on drive shafts.
[2] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 1.00 in (25.4 mm) increments beginning with minimum width of 24 in (610 mm).
[3] This number is a minimum. Heavy-load applications can require additional sprockets. For lockdown location, see Retainer Rings and Center Sprocket Offset.



STRENGTH FACTOR (10T AND 8T SPROCKET LINES)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

A — Sprocket spacing, in

B — Sprocket spacing, mm

Solid line: Square bore sprockets

Dashed line: Round bore sprockets

INTRALOX · SPIRAL

SERIES 2600 (CONT.)

ACETAL SPROCKET[4]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
8 (7.61%)	5.2	132	5.4	136	0.8	20.32	1-1/4, 1-7/16, 1-1/2, 2	1-1/2, 2-1/2		40, 60
10 (4.89%)	6.5	165	6.7	170	0.8	20.32	1-1/4, 1-7/16, 1-1/2, 2	1-1/2, 2-1/2		40, 60

[4] Contact Uniking Customer Service for preferred method of locking down sprockets, and for proper sprocket timing.



ACETAL SPROCKET

INTRALOX · SPIRAL

SERIES 2600

EZ CLEAN™ SPROCKET

EZ CLEAN™ SPROCKET

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
10 (4.89%)	6.5	165	6.7	170	0.8	20.32		2.5		



EZ CLEAN™ SPROCKET

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
IN	MM	U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
5.2	132	1.25, 1-7/16, 1.5, 2	1.5, 2.5		40, 60
6.5	165	1.25, 1-7/16, 1.5, 2	1.5, 2.5		40, 60



SUPPORT WHEEL

UNIVERSAL SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal, SELM
1.00	25.4	
2.00[1]	50.8[1]	

[1] *Only available in 1.6 TR*

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is uncompromised.
- Compatible turn ratios: 1.6, 2.2, 2.5, and 3.2.



UNIVERSAL SIDEGUARDS

INTRALOX · SPIRAL

SERIES 2600 (CONT.)

OVERLAPPING SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal, SELM
1.00	25.4	



OVERLAPPING SIDEGUARDS

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.
- Makes the outer edge of the belt more snag-resistant.
- Keeps small products from falling through belt gaps.
- Turn ratios for 0.50 in (12.7 mm) acetal overlapping sideguards are 1.6, 2.2, 2.5, and 3.2.
- Turn ratio for 1.00 in (25.4 mm) overlapping sideguards is 1.6 only.

INTRALOX · SPIRAL

SERIES 2600

LANE DIVIDERS

LANE DIVIDERS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.75	19.0	Acetal, polypropylene



LANE DIVIDERS

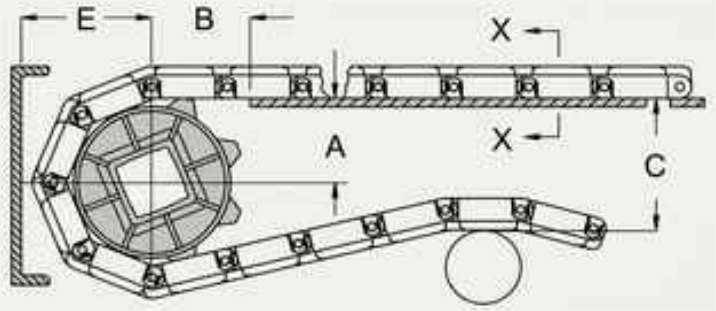
- Assembly does not require finger cuts on the modules, so the belt beam strength is uncompromised.
- For 1.6 turn radius modules, lane dividers can be placed on indents of 1.5 in (38.1 mm), 2.5 in (63.5 mm), 3.5 in (88.9 mm), 4.5 in (114 mm), 11.5 in (292 mm), and up, in 1.00 in (25.4 mm) increments.
- For 2.2 turn radius modules, lane dividers can be placed on indents of 4.5 in (114 mm) and up in 1.00 in (25.4 mm) increments.

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions *A*, *B*, *C*, and *E* are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the *A* dimension at the bottom of the range.

For complete descriptions of the dimensions, see *Basic Conveyor Frame Requirements*.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

A ± 0.031 in (1 mm)

B ± 0.125 in (3 mm)

C ± (max.)

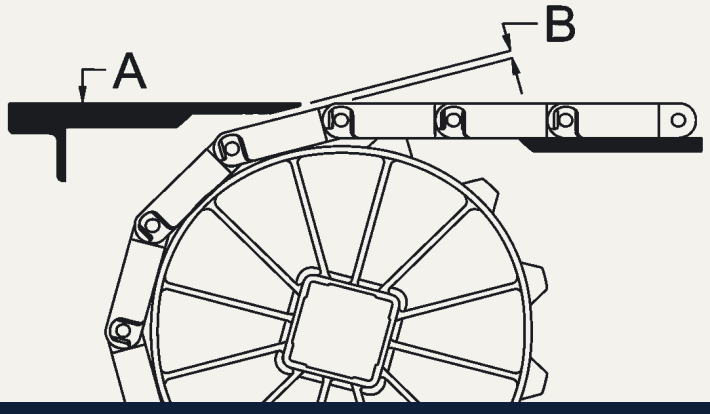
E ± (min.)

SPROCKET DESCRIPTION					A		B		C		E	
PITCH DIAMETER		NOMINAL OD		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM	IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2600 SPIRAL 1.0, 1.1, 1.6, 2.0, 2.2, 2.5, 3.2												
5.2	132	5.4	137	8	2.12-2.32	54-59	2.25	57	5.23	133	2.97	75
6.5	165	6.7	170	10	2.78-2.94	71-75	2.54	65	6.47	164	3.59	91
S2600 SPIRAL ROUNDED FRICTION TOP												
5.2	132	5.4	137	8	2.12-2.32	54-59	2.25	57	5.46	139	3.21	82
6.5	165	6.7	170	10	2.78-2.94	71-75	2.54	65	6.71	170	3.83	97

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.



INTRALOX · SPIRAL

SERIES 2600

HOLD DOWN RAILS AND WEARSTRIPS

HOLD DOWN RAILS AND WEARSTRIPS

Intralox recommends using continuous hold down rails through an entire turn. Start the rails before the turn, at a distance of 1X the belt width. End the rails after the turn, at a distance of 1X the belt width. This applies to both carryway and returnway. The use of hold down rails along both side of the belt over the full carryway is recommended but not mandatory. See *Custom Wearstrips*.

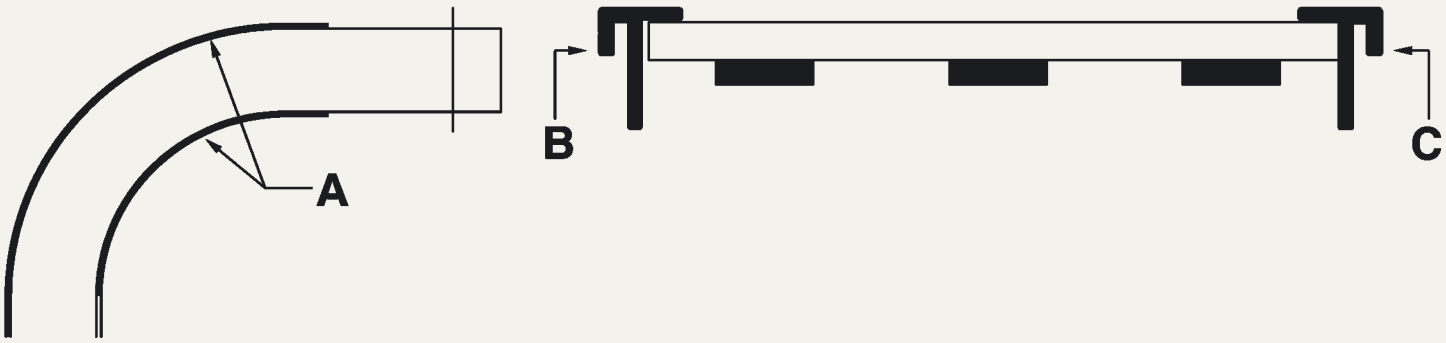


FIGURE 12: HOLD DOWN RAILS AND WEARSTRIPS FOR SERIES 2600 FLAT-TURNS — FLUSH EDGE WITH WEARSTRIP

A Hold down rail placement

B Outside hold down rail

C Inside hold down rail

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See *Engineering Program Analysis for Spiral and Radius Belts* for more information.

S2600 DESIGN GUIDE SUMMARY

For more information, see the *Installation, Maintenance & Troubleshooting Manual* available from Uniking.

A The minimum turn radius for S2600 is the turn radius times the belt width, measured from the inside edge.

B The minimum straight run required between turns of opposing direction is 2.0 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.

C There is no minimum straight run required between turns that are in the same direction.

D The minimum final straight run (leading to the drive shaft) must be a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times the belt width) require a weighted take up to avoid sprocket wear and tracking problems. See *Special Take-Up Arrangements*.

E The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.

F idle shaft

G first turn

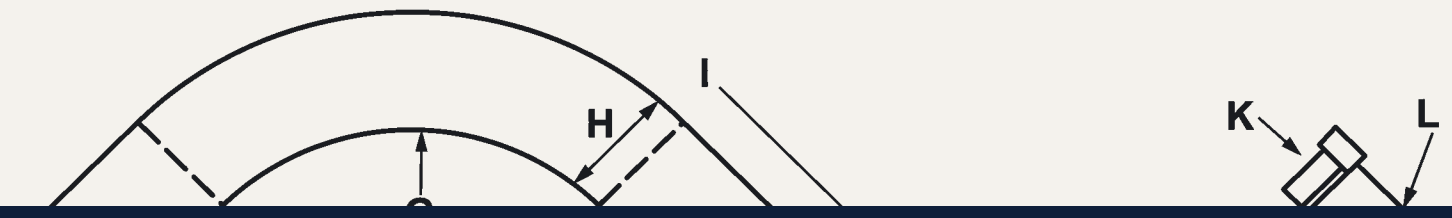
H belt width

I belt travel

J second turn

K drive motor

L drive shaft



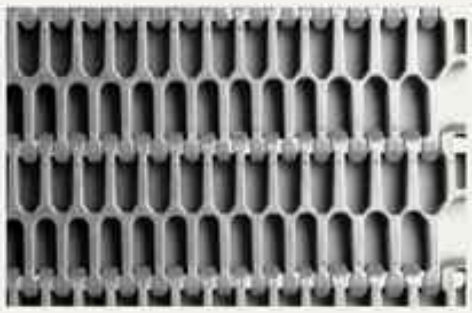
INTRALOX · SPIRAL

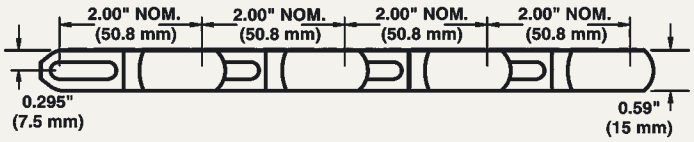
SERIES 2700 - SPIRAL 1.6

SPIRAL 1.6

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	24	610
Maximum Width	60	1524
Width Increments	0.50	12.7
Opening Size (approximate)	0.38 × 0.64	9.52 × 16.5
Open Area (fully extended)	45%	
Minimum Open Area (1.6 TR)	27%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Designed for low-tension, capstan drive, spiral applications with a minimum turn radius of 1.6 times the belt width (measured from inside edge).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	2000	2976	-50 to 200	-46 to 93	1.74	8.50 · Spiral belt strength[2] 375 lb · 170 kg
SELM	Acetal	1060	1577	-50 to 200	-46 to 93	1.36	6.64 · Spiral belt strength[2] 300 lb · 136 kg

[1] Contact Uniking Customer Service for more information regarding belt widths under 24 in (610 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

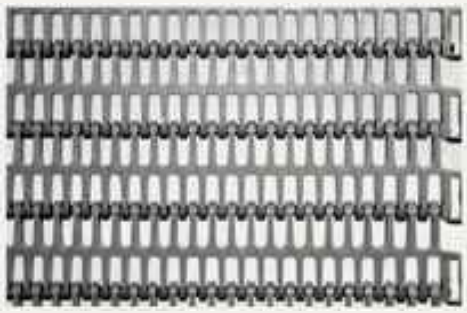
INTRALOX · SPIRAL

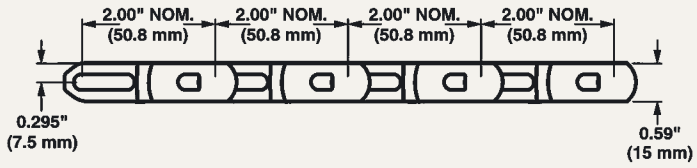
SERIES 2700 - SPIRAL 2.2

SPIRAL 2.2

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	24	610
Maximum Width	60	1524
Width Increments	0.50	12.7
Opening Size (approximate)	0.38 × 0.64	9.52 × 16.5
Open Area (fully extended)	48%	
Minimum Open Area (2.2 TR)	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Designed for low-tension, capstan drive, spiral applications with a minimum turn radius of 2.2 times the belt width (measured from inside edge).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.85	9.03 · Spiral belt strength²: 375 lb (170 kg)
Polypropylene	Acetal	1500	2232	34 to 200	1 to 93	1.26	6.15 · Spiral belt strength²: 300 lb (136 kg)
SELM	Acetal	1060	1577	-50 to 200	-46 to 93	1.44	7.03 · Spiral belt strength²: 300 lb (136 kg)

[1] Contact Uniking Customer Service for more information regarding belt widths under 24 in (610 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

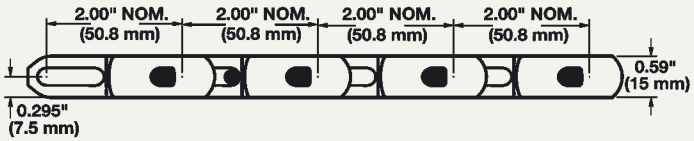
SERIES 2700 - SPIRAL 2.7

SPIRAL 2.7

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	24	610
Maximum Width	60	1524
Width Increments	0.50	12.7
Opening Size (approximate)	0.38 × 0.64	9.5 × 16.5
Open Area (fully extended)	48%	
Minimum Open Area (2.7 TR)	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Contact Uniking Customer Service for preferred run direction on spiral applications.
- Designed for low-tension, capstan drive, spiral applications with a minimum turn radius of 2.7 times the belt width (measured from inside edge).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.86	9.08 · Spiral belt strength²: 375 lb (170 kg)
Polypropylene	Acetal	1500	2232	34 to 200	1 to 93	1.26	6.15 · Spiral belt strength²: 300 lb (136 kg)
SELM	Acetal	1060	1577	-50 to 200	-46 to 93	1.44	7.03 · Spiral belt strength²: 300 lb (136 kg)

[1] Contact Uniking Customer Service for more information regarding belt widths under 24 in (610 mm). [2] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

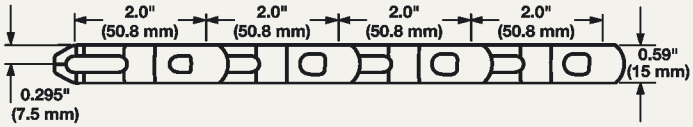
SERIES 2700 - DUAL TURNING 2.0

DUAL TURNING 2.0

	IN	MM
Pitch	2.00	50.8
Minimum Width[1]	12	304.8
Maximum Width	60	1524
Width Increments	0.50	12.7
Opening Size (approximate)	0.38 × 0.64	9.5 × 16.5
Open Area (fully extended)[2]	44%	
Minimum Open Area (2.0 TR)	23%	
Hinge Style	Open	
Drive Method	Hinge-driven	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Do not use in spiral conveyor systems.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for standard drive and i-Drive systems.
- Turn ratio of 2.0 times belt width (measured from inside edge).
- Consult Uniking for specific widths not listed here.
- Preferred run direction is to align slotted holes leading.
- Rod insertion is accomplished from the edge of the belt. No special tools are required.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1700	2530	-50 to 200	-46 to 93	1.84	8.98 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
Acetal	Nylon	1700	2530	-50 to 200	-46 to 93	1.81	8.84 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
SELM	Acetal	1060	1577	-50 to 200	-46 to 93	1.42	6.93 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.
SELM	Nylon	1060	1577	-50 to 212	-46 to 100	1.40	6.84 · Curved belt strength: For curved belt strength calculations, contact Uniking Customer Service.

Temperature range (continuous)[3]. [1] Contact Uniking Customer Service for more information regarding belt widths under 12 in (305 mm). [2] Open area calculations for S2700 Dual Turning 2.0 are unique to this style, and are not directly comparable to other S2700 styles. [3] Belt functions mechanically up to 240°F (116°C). Belt used in the temperature window of 212°F to 240°F (100°C to 116°C) is not FDA-

INTRALOX · SPIRAL

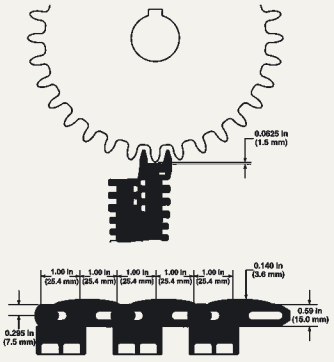
SERIES 2700 - SIDE DRIVE

SIDE DRIVE

	IN	MM
Module Pitch	2.0	50.8
Drive Tooth Pitch	1.0	25.4
Minimum Width	10	254.0
Maximum Width	42	1066.8
Width Increments	0.50	12.7
Opening Size (approximate)	0.38 × 0.64	9.5 × 16.5
Open Area	44%	
Hinge Style	Open	
Drive Method	Side-driven	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Do not use in live-drum spiral conveyor systems.
- Teeth along the belt edge drive the belt and allow for atypical configurations and long conveyors without transfer points.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- A S2700 Spiral 1.6 module can be used on the inner edge to achieve a smaller turn ratio, but only for single-direction curve applications.
- Uniking can help predict the strength requirements of most side-driven applications, ensuring that the belt is strong enough for the application. Contact Uniking Customer Service for more information.
- Preferred run direction is to align with slotted holes leading. This belt is not designed to run in the opposite direction.
- The Z-dimension is the distance between the edge of the belt (not including drive teeth) and the outer diameter of the sprocket. Maintain this dimension to ensure proper engagement of the belt and sprocket.
- S2700 lane dividers can be used with this belt, but sideguards cannot be used.
- Designed for side-driven applications with a minimum turn radius of 2.0 times the belt width (measured from inside edge to outer edge, not including drive teeth).

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	175	260	40 to 200	4 to 93	2.17	10.6 · Curved belt strength[1]: 150 lb (220 kg) · FDA (USA): • · EU MC[2]: •

[1] Published curved belt strengths and their method of calculation vary among belt manufacturers. Contact Uniking Customer Service for accurate comparison of curved belt strengths. [2] EU MC European Migration Certificate providing approval for food contact according to EU Directive 2002/72/EC and all its amendments to date.

INTRALOX · SPIRAL

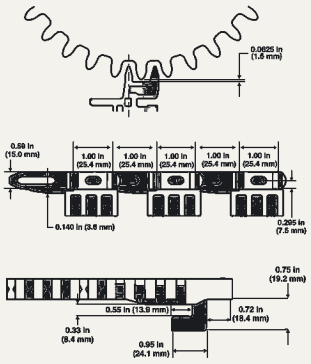
SERIES 2700 - SIDE DRIVE V2

SIDE DRIVE V2

	IN	MM
Module Pitch	2.0	50.8
Pitch	1.0	25.4
Minimum Width	10	254.0
Maximum Width	42	1067
Width Increments	0.50	12.7
Opening Size (approximately)	0.38 × 0.64	9.5 × 16.5
Open Area	44%	
Hinge Style	Open	
Drive Method	Side-driven	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Do not use in live-drum spiral conveyor systems.
- Flat belt surface allows for easier product transfer over the belt end.
- Teeth along the belt edge drive the belt and allow for atypical configurations and long conveyors without transfer points.
- The hold down tab location enables full use of the entire belt width.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for side-driven applications with a minimum turn radius of 2.0 times the belt width (measured from inside edge to outer edge, not including drive teeth).
- Uniking can help predict the strength requirements of most side-driven applications, ensuring that the belt is strong enough for the application. Contact Uniking Customer Service for more information.
- Design and install the belt with slotted holes leading in the run direction. This belt is not designed to run in the opposite direction.
- The distance between the belt edge (not including drive teeth) and the sprocket outer diameter is critical. Maintain this dimension to ensure proper belt-to-sprocket engagement.
- For single-direction curve applications, a S2700 Spiral 1.6 module can be used on the inner edge to achieve a smaller turn ratio.
- S2700 lane dividers can be used with this belt, but sideguards cannot be used.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	175	260	40 to 200	4 to 93	2.17	10.59 · Curved belt strength 150 lb/ft · 220 kg/m

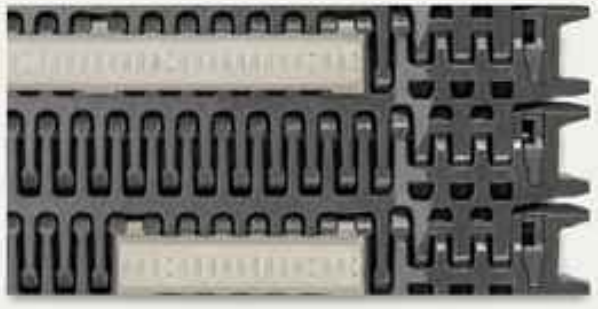
INTRALOX · SPIRAL

SERIES 2700 - SPIRAL ROUNDED FRICTION TOP

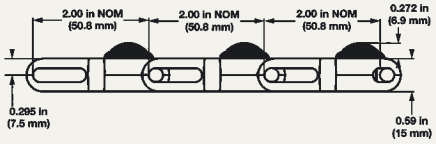
SPIRAL ROUNDED FRICTION TOP

	IN	MM
Module Pitch	2	50.8
Minimum Width	Varies according to base belt	
Maximum Width	Varies according to base belt	
Width Increments	0.50	12.7
Hinge Style	Open	

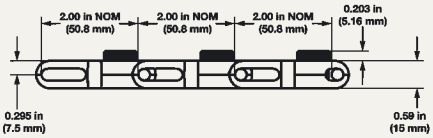




Module with friction top insert:



Module with mini rib insert:



PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Available in blue polypropylene (PP) and blue acetal with blue rubber or blue PP and blue acetal mini rib only.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Compatible with S2700 Side Drive, S2700 Dual Turning 2.0, and S2700 Spiral 1.6, 2.2, and 2.7.
- For minimum indent requirements, contact Uniking Customer Service.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal · Accessory: Friction top insert: blue PP base with rubber overlay	Acetal	175	260	-50 to 200	-46 to 93	2.17	10.59 · Spiral belt strength[1] 150 lb · 220 kg · Friction top hardness 54 Shore A · FDA (USA): See note[3] · EU MC[2]: See note[4]
Acetal · Accessory: Mini rib insert: blue acetal	Acetal	175	260	-50 to 200	-46 to 93	2.17	10.59 · Spiral belt strength[1] 150 lb · 220 kg · Friction top hardness — · FDA (USA): See note[3] · EU MC[2]: See note[4]

[1] Provided values are for Side Drive base belts. Values for other compatible base belts are provided on the product page for each belt. Contact Uniking Customer Service for more information. [2] European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. [3] FDA Compliant with restriction: Do not use in direct contact with fatty foods. [4] EU Compliant with restriction: Do not use in direct contact with fatty foods.

INTRALOX · SPIRAL

SERIES 2700

SPROCKET AND SUPPORT QUANTITY REFERENCE

SPROCKET AND SUPPORT QUANTITY REFERENCE[1]

BELT WIDTH RANGE[2]		MINIMUM NUMBER OF SPROCKETS PER SHAFT[3]	WEARSTRIPS[4]	
IN	MM		CARRYWAY	RETURNWAY
24	610	5	2	2
26	660	5	2	2
28	711	5	2	2
30	762	5	3	2
32	813	5	3	2
34	864	7	3	2
36	914	7	3	2
38	965	7	3	2
40	1016	7	3	2
42	1067	7	3	2
44	1118	7	3	2
46	1168	9	3	2
48	1219	9	3	2
50	1270	9	3	2
52	1321	9	3	2
54	1372	9	3	2
56	1422	9	4	3
58	1473	11	4	3
60	1524	11	4	3

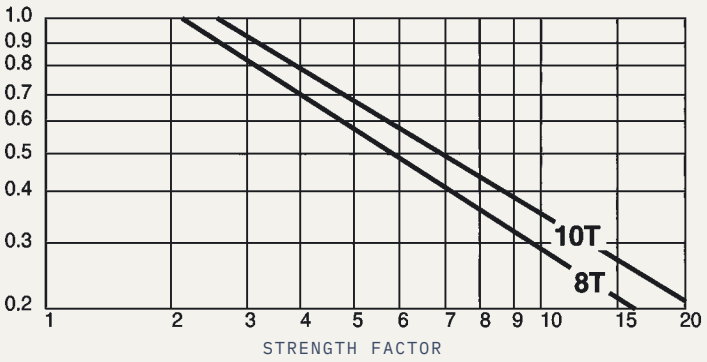
For other widths, use an odd number of sprockets at Maximum 8 in (203 mm) centerline spacing. Carryway: Maximum 25 in (635 mm) centerline spacing. Returnway: Maximum 30 in (762 mm) centerline spacing.

[1] For low-tension capstan drive spirals, contact Uniking Customer Service for suggested carryway support recommendations. Support belt edges using support rollers on drive shafts. Contact Uniking Customer Service for more information.

[2] If belt width exceeds a number listed in the table, see the sprocket and support material minimums for the next larger width range. Belts are available in 0.50 in (12.7 mm) increments beginning with minimum width of 24 in (610 mm).

[3] This number is a minimum. Heavy-load applications can require additional sprockets. For lockdown location, see Retainer Rings and Center Sprocket Offset.

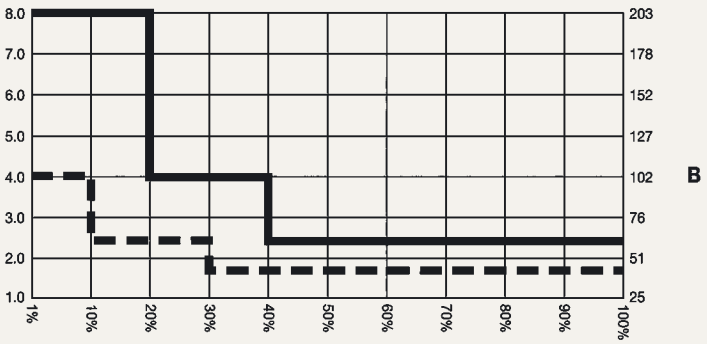
[4] Carryway spacing depends on a distributed 2 lb/ft² at 65°F (18.3°C) for acetal belts with acetal rods with a 2 in (50.8 mm) and 4 in (101.6 mm) overhang.



SPEED/LENGTH RATIO (V/L)

Divide belt speed (V) by the shaft centerline distance (L). Strength Factor is found at intersection of the speed/length ratio and the appropriate sprocket line. See **Belt Selection Instructions** or contact Uniking for more information.

V = ft/min (m/min); T = number of teeth; L = ft (m)



SPROCKET SPACING AS A FUNCTION OF BELT STRENGTH UTILIZED

INTRALOX · SPIRAL

SERIES 2700 (CONT.)

PERCENTAGE OF ALLOWABLE BELT STRENGTH UTILIZED

A: Sprocket spacing, in

B: Sprocket spacing, mm

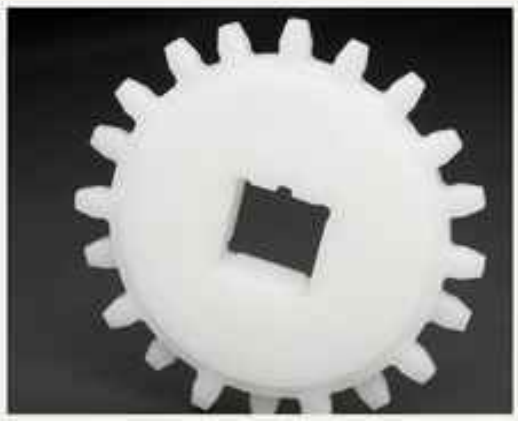
Solid line: Square bore sprockets

Dashed line: Round bore sprockets

ACETAL SPROCKETS[5]

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
8 (7.61%)	5.2	132	5.4	136	0.8	20.32	1-1/4, 1-7/16, 2	1-1/2, 2-1/2		60
10 (4.85%)	6.5	165	6.7	170	0.8	20.32	1-1/4, 1-7/16, 2	1-1/2, 2-1/2		40, 60

[5] Contact Uniking Customer Service for preferred method of locking down sprockets and proper sprocket timing.



ACETAL SPROCKET

INTRALOX · SPIRAL

SERIES 2700

SUPPORT WHEEL

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
		U.S.		METRIC	
IN	MM	ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
5.2	132	1.25, 1-7/16, 1.5, 2	1.5, 2.5		40, 60
6.5	165	1.25, 1-7/16, 1.5, 2	1.5, 2.5		40, 60



SUPPORT WHEEL

OVERLAPPING SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal, SELM
1.00	25.4	Acetal, SELM

OVERLAPPING SIDEGUARDS

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.
- Makes the outer edge of the belt more snag-resistant.
- Keeps small products from falling through belt gaps.
- Turn ratio for 0.50 in (12.7 mm) acetal overlapping sideguards in acetal is 1.6.
- The turn ratio for 1.00 in (25.4 mm) overlapping sideguard is 1.6 only.



OVERLAPPING SIDEGUARDS

UNIVERSAL SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal, SELM
1.00	25.4	Acetal, SELM
2.00[1]	50.8[1]	Acetal, SELM

[1] *Only available in 1.6 TR*

UNIVERSAL SIDEGUARDS

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.



UNIVERSAL SIDEGUARDS

LANE DIVIDERS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	



INTRALOX · SPIRAL

SERIES 2700

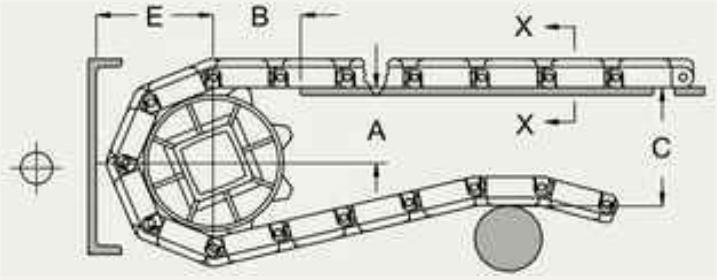
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

DIMENSION TOLERANCES

A ± 0.031 in (1 mm)

B ± 0.125 in (3 mm)

C ± (max.)

E ± (min.)

CONVEYOR FRAME DIMENSIONS

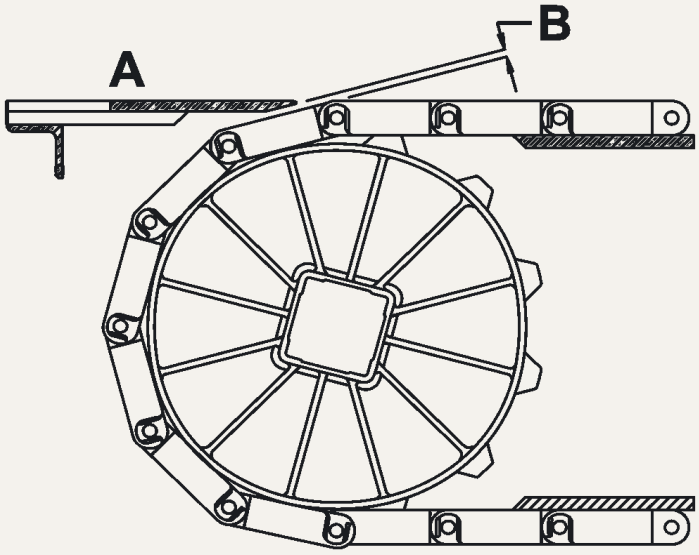
SPROCKET DESCRIPTION					A		B		C		E	
PITCH DIAMETER		NOMINAL OD		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM	IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2700 SPIRAL 1.6, 2.2, 2.7												
5.2	132	5.4	137	8	2.12-2.32	54-59	2.25	57	5.23	133	2.97	75
6.5	165	6.7	170	10	2.78-2.94	71-75	2.54	65	6.47	164	3.59	91
S2700 SPIRAL ROUNDED FRICTION TOP												
5.2	132	5.4	137	8	2.12–2.32	54–59	2.25	57	5.50	140	3.24	82
6.5	165	6.7	170	10	2.78–2.94	71–75	2.54	65	6.74	171	3.87	98

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a *fixed* point (the tip of the dead plate) with *varying* clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



DEAD PLATE GAP

DEAD PLATE GAP KEY

A Top surface of dead plate

B Dead plate gap

DEAD PLATE GAP

INTRALOX · SPIRAL

SERIES 2700

FLUSH EDGE WITH WEARSTRIP

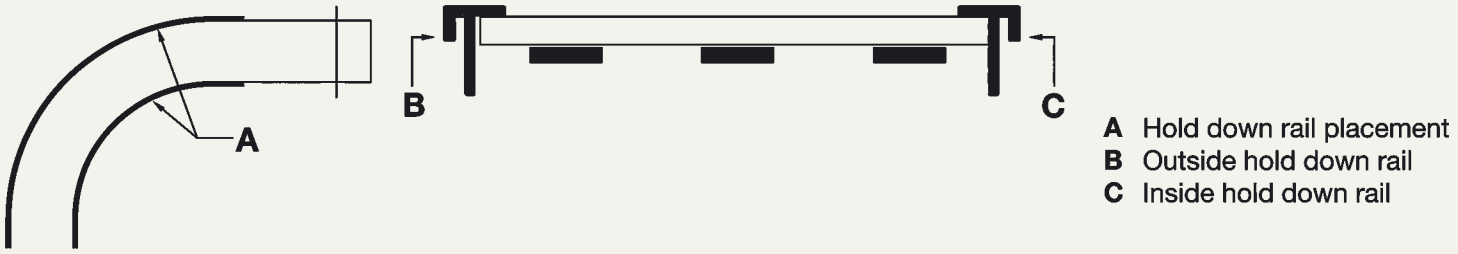


FIGURE 14: HOLD DOWN RAILS AND WEARSTRIPS FOR SERIES 2700 FLAT-TURNS — FLUSH EDGE WITH WEARSTRIP

FIGURE 14 KEY

A Hold down rail placement

B Outside hold down rail

C Inside hold down rail

BELT SELECTION INSTRUCTIONS

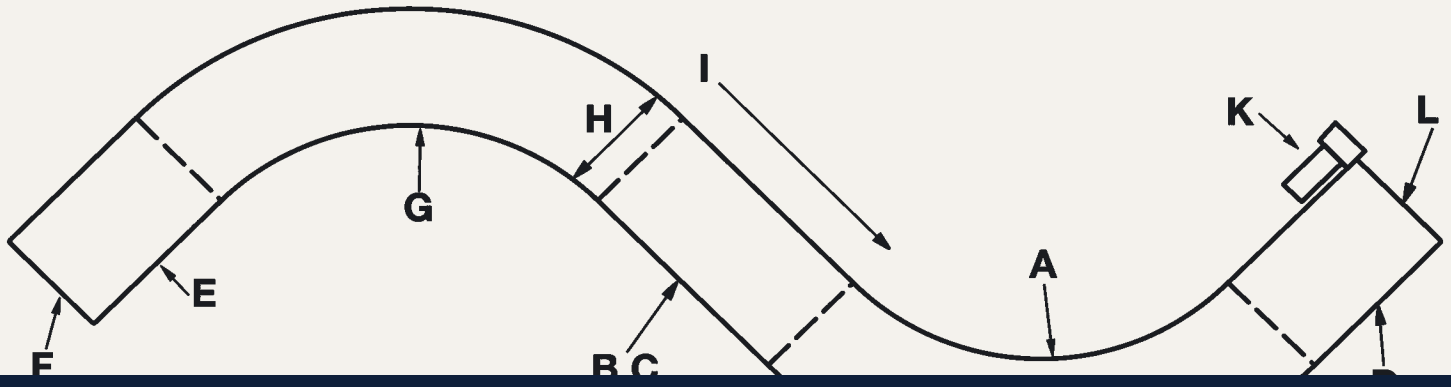
For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See **Engineering Program Analysis for Spiral and Radius Belts** for more information.

S2700 DESIGN GUIDE SUMMARY

For more information, see the **Installation, Maintenance & Troubleshooting Manual** available from Uniking.

DESIGN GUIDE KEY

- **A** The minimum turn radius for the standard edge S2700 is 2.2 times the belt width, measured from the inside edge. For the tight turning style, the minimum turn radius is 1.7 times the belt width.
- **B** The minimum straight run required between turns of opposing direction is 2.0 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to the drive shaft) must be a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times the belt width) require a weighted take up to avoid sprocket wear and tracking problems. See **Special Take-Up Arrangements**.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.
- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft

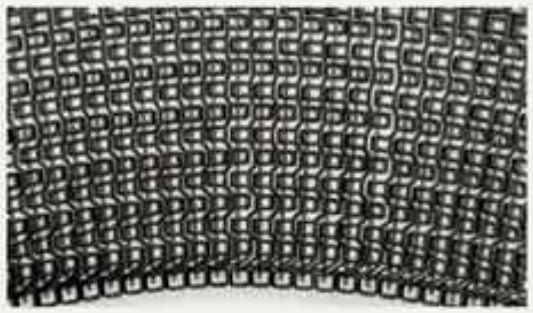


INTRALOX · SPIRAL

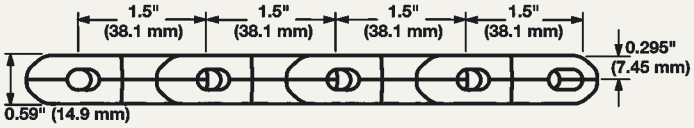
SERIES 2800 - SPIRAL GTECH 1.6

SPIRAL GTECH 1.6

	IN	MM
Pitch	1.5	38.1
Minimum Width	24	609.6
Width Increments	1.00	25.4
Opening Size (approximate)	1.1 × 0.42	27.9 × 10.7
Open Area (fully extended)	50%	
Minimum Open Area	36%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Relatively uniform open area across the width of the belt aids product freezing and cooling.
- Robust edge feature adds strength to the outside edge of the belt.
- Belt openings pass straight through the belt to simplify cleaning.
- Lightweight, relatively strong belt with smooth surface grid.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive, spiral applications with a minimum turn radius of 1.6 times the belt width (measured from inside edge).
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.60	7.81 · Spiral belt strength[1] 475 lb · 215 kg
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.28	6.25 · Spiral belt strength[1] 375 lb · 170 kg

[1] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please contact Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

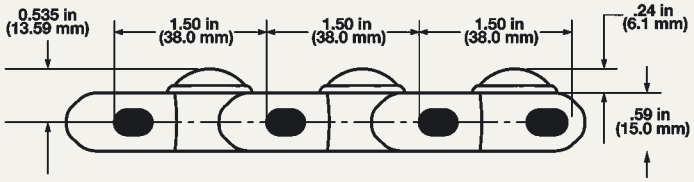
SERIES 2800 - SPIRAL GTECH ROUNDED FRICTION TOP

SPIRAL GTECH ROUNDED FRICTION TOP

	IN	MM
Pitch	1.5	38.1
Minimum Width	24	609.6
Width Increments	1.00	25.4
Opening Size (approximate)	1.1 × 0.42	27.9 × 10.7
Hinge Style	Open	
Drive Method	Hinge-driven	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Robust edge feature adds strength to the outside edge of the belt.
- Available in white polypropylene with white rubber or blue polypropylene with high-performance blue rubber.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.
- Must have a 2.0 in (50.8 mm) minimum gap between friction inserts for correct sprocket placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.24 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal · Base/Friction Color: White/White	Acetal	1700	2530	34 to 150	1 to 66	1.44 (1.54)	7.03 (7.52) · Spiral belt strength[1] 376 (475) lb · 171 (215) kg · Friction Top Hardness 55 Shore A · FDA (USA) •[4] · EU MC[3] •[5]
Acetal · Base/Friction Color: High-Performance FT Blue/Blue	Acetal	1700	2530	34 to 212	1 to 100	1.44 (1.54)	7.03 (7.52) · Spiral belt strength[1] 376 (475) lb · 171 (215) kg · Friction Top Hardness 59 Shore A · FDA (USA) •[4] · EU MC[3] •[5]

[1] Published spiral belt strengths and their method of calculation vary among belt manufacturers. Contact Uniking Customer Service for accurate comparison of spiral belt strengths. [2] Before Intralox developed S2800, USDA-FSIS Meat and Poultry discontinued publishing a list of acceptable new products designed for food contact. As of the printing of this manual, third-party approvals are being investigated, but are not yet sanctioned by the USDA-FSIS. [3] European Migration Certificate providing approval for food contact according to EU Regulation 10/2011. [4] FDA Compliant with restriction: Do not use in direct contact with fatty foods. [5] EU Compliant with restriction: Do not use in direct contact with fatty foods.

INTRALOX · SPIRAL

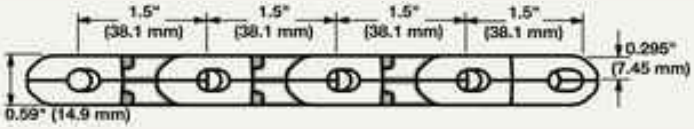
SERIES 2800 - SPIRAL GTECH 2.2 AND 3.2

SPIRAL GTECH 2.2 AND 3.2

	IN	MM
Pitch	1.5	38.1
Minimum Width	24	609.6
Width Increments	1.00	25.4
Opening Size (approximate)	1.1 × 0.42	27.9 × 10.7
Open Area (fully extended)	50%	
Minimum Open Area	36%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Relatively uniform open area across the width of the belt aids product freezing and cooling.
- Robust edge feature adds strength to the outside edge of the belt.
- Open hinge and slot design simplifies cleaning.
- Lightweight belt with extreme beam strength prevents bowing and buckling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Designed for low-tension, capstan drive, spiral applications with a minimum turn radius of 2.2 times the belt width (measured from the inside edge).
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.60	7.81 · Spiral belt strength 475 lb · 215 kg
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.27	6.3 · Spiral belt strength 375 lb · 170 kg

Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

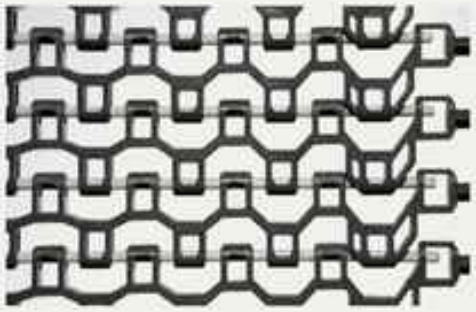
INTRALOX · SPIRAL

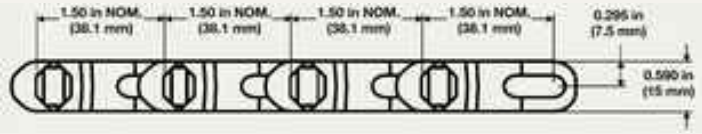
SERIES 2800 - SPIRAL DIRECTDRIVE™

SPIRAL DIRECTDRIVE™

	IN	MM
Pitch	1.5	38.1
Minimum Width	24	609.6
Width Increments	1.00	25.4
Opening Size (approximate)	1.1 × 0.42	27.9 × 10.7
Open Area (fully extended)	50%	
Minimum Open Area	36%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, relatively strong belt with smooth surface grid.
- Belt openings pass straight through the belt to simplify cleaning.
- Relatively uniform open area across the width of the belt to aid product freezing and cooling.
- Robust edge feature adds strength to the outside edge of the belt.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.60	7.81 · Spiral belt strength 475 lb · 215 kg
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.27	6.2 · Spiral belt strength 375 lb · 170 kg
Detectable MX	Detectable MX	1600	2381	-50 to 200	-46 to 93	1.60	7.81 · Spiral belt strength 475 lb · 215 kg

Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

INTRALOX · SPIRAL

SERIES 2800

ACETAL SPROCKETS, SUPPORT WHEEL, SIDEGUARDS & LANE DIVIDERS

ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
13 (1.92%)	6.2	157	6.4	163	1.2	30.5	1-7/16, 1-1/2, 2	1.5, 2.5		40, 60



SERIES 2800 ACETAL SPROCKET

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
IN	MM	U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
6.2	157	1-7/16, 2	1.5, 2.5		40, 60



SUPPORT WHEEL

OVERLAPPING SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal
1.0	25.4	Acetal

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.
- Makes the outer edge of the belt more snag-resistant.
- Keeps small products from falling through belt gaps.
- Turn ratio for 0.50 in (12.7 mm) overlapping sideguards is 1.6.



OVERLAPPING SIDEGUARDS

INTRALOX · SPIRAL

SERIES 2800 (CONT.)

LANE DIVIDERS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.75	19	Acetal, SELM



LANE DIVIDERS

- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.
- Lane dividers can be spaced 2 in (50.8 mm) apart along the width of the belt.
- Minimum indent requirements: contact Uniking Customer Service.

INTRALOX · SPIRAL

SERIES 2800

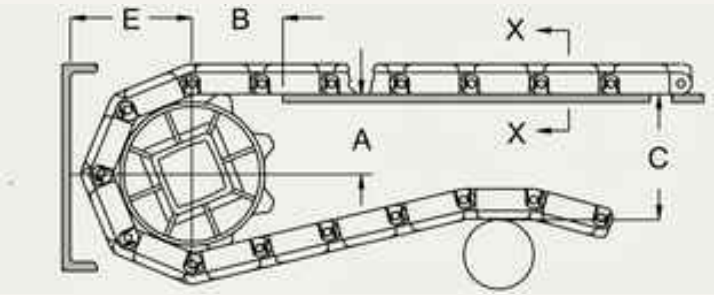
CONVEYOR FRAME DIMENSIONS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A — RANGE (BOTTOM TO TOP)		B		C		E	
PITCH DIA. (IN)	PITCH DIA. (MM)	NO. TEETH	IN	MM	IN	MM	IN	MM	IN	MM
S2800 SPIRAL GTECH 1.6, 2.2 & 3.2 AND DIRECTDRIVE										
6.2	157	13	2.75-2.84	70-72	2.51	64	6.27	159	3.49	89
S2800 SPIRAL GTECH ROUNDED FRICTION TOP										
6.2	157	13	2.75-2.84	70-72	2.51	64	6.51	165	3.74	95

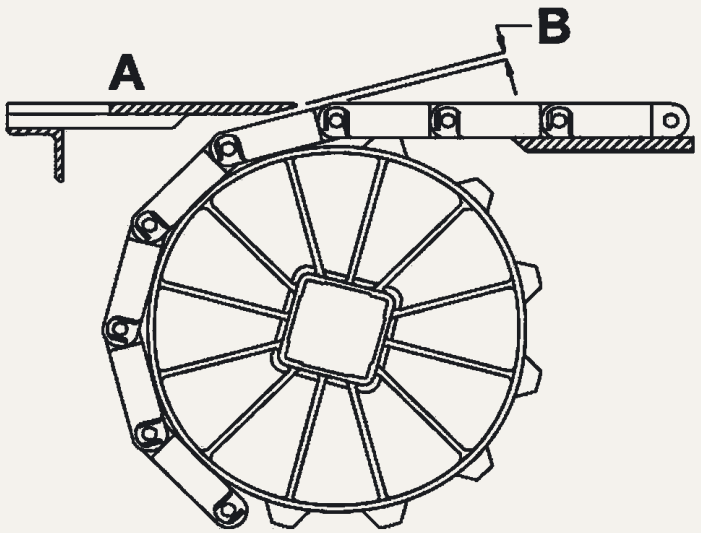
Tolerances: A ± 0.031 in (1 mm); B ± 0.125 in (3 mm); C ± (max.); E ± (min.)

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIA. (IN)	PITCH DIA. (MM)	NO. TEETH	IN	MM
6.2	157	13	0.091	2.3

HOLD DOWN RAILS AND WEARSTRIPS

Intralox recommends using continuous hold down rails through an entire turn. Start the rails before the turn, at a distance of 1X the belt width. End the rails after the turn, at a distance of 1X the belt width. This applies to both carryway and returnway. The use of hold down rails along both side of the belt over the full carryway is recommended but not mandatory. See Custom Wearstrips.



INTRALOX · SPIRAL

SERIES 2800

BELT SELECTION INSTRUCTIONS

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See **Engineering Program Analysis for Spiral and Radius** for more information.

S2800 DESIGN GUIDE SUMMARY

For more information, see the **Installation, Maintenance & Troubleshooting Manual** available from Uniking.

- **A** The minimum turn radius for S2800 is 1.6 times the belt width, measured from the inside edge for the standard edge.
- **B** The minimum straight run required between turns of opposing direction is 1.6 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to the drive shaft) must be a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times belt width) require a weighted take up to avoid sprocket wear and tracking problems. See **Special Take-Up Arrangements**.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.

KEY

- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft

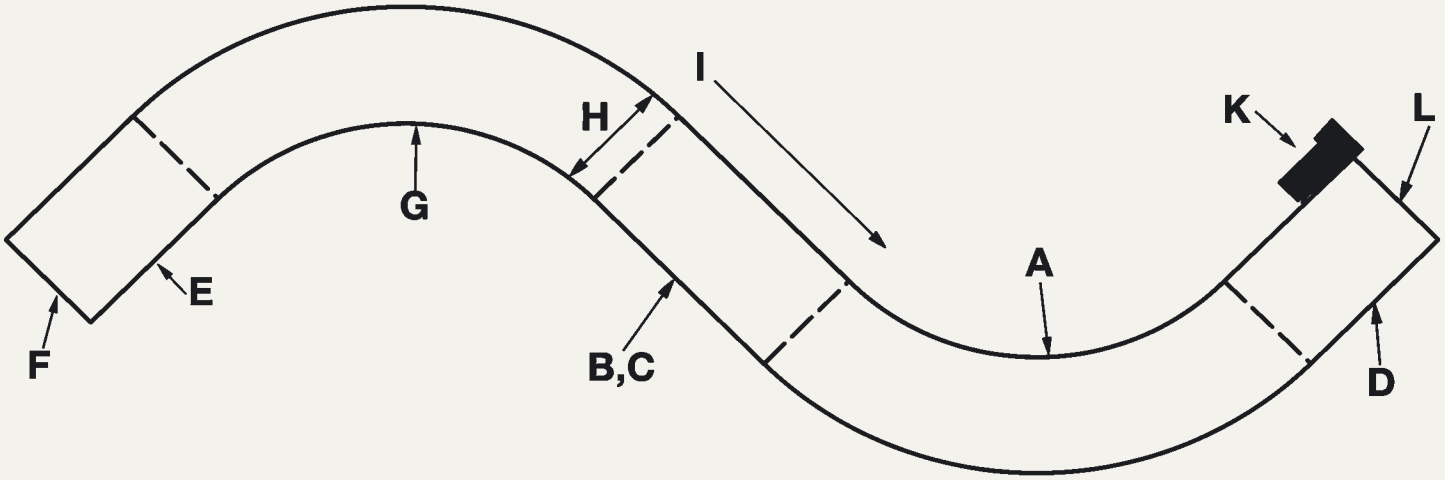


FIGURE 17: TYPICAL TWO-TURN RADIUS LAYOUT

INTRALOX · SPIRAL

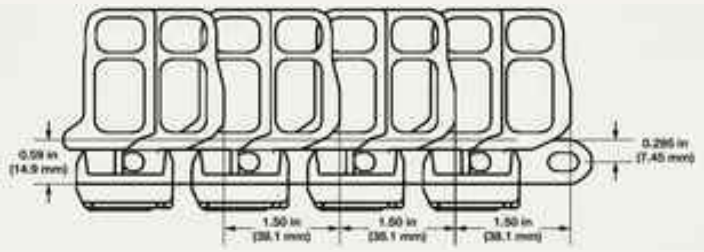
SERIES 2850 - DIRECTDRIVE™ STACKER

DIRECTDRIVE™ STACKER

	IN	MM
Pitch	1.5	38.1
Minimum Width	12	304.8
Width Increments	2.00	50.8
Opening Size (approximate)	1.1 × 0.42	27.9 × 10.7
Open Area (fully extended)	50%	
Minimum Open Area	36%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, strong belt with smooth surface grid for good product release.
- Belt openings pass straight through the belt to simplify cleaning.
- Relatively uniform open area across the width of the belt to aid product freezing and cooling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sideplates are permanently installed and cannot be replaced.
- Designed for stacker applications using patented DirectDrive technology.
- Tier spacing: available in 60 mm, 80 mm, or 100 mm.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.96	9.57 · Spiral belt strength 475 lb · 215 kg

1 Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths. 2 Sideflexing applications must not exceed 180°F (82°C).

INTRALOX · SPIRAL

SERIES 2850

ACETAL SPROCKETS, SUPPORT WHEEL & CONVEYOR FRAME DIMENSIONS

ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
13 (1.92%)	6.2	157	6.4	163	1.2	30.5	2, 1-7/16	1.5, 2.5		40, 60



SERIES 2850 ACETAL SPROCKET

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
IN	MM	U.S. ROUND (IN)	U.S. SQUARE (IN)	METRIC ROUND (MM)	METRIC SQUARE (MM)
6.2	157	1-7/16, 2	1.5, 2.5		40, 60



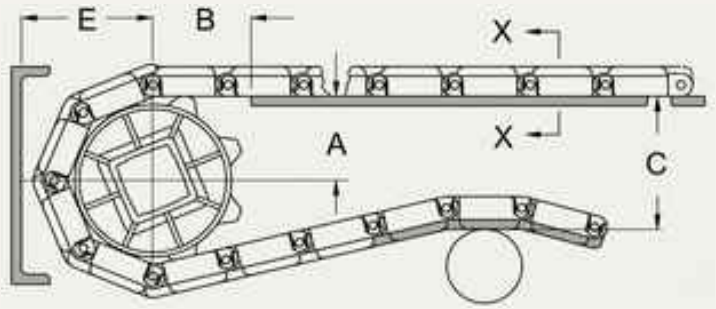
SUPPORT WHEEL

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND X

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A — RANGE (BOTTOM TO TOP)		B		C		E	
PITCH DIA. (IN)	PITCH DIA. (MM)	NO. TEETH	IN	MM	IN	MM	IN	MM	IN	MM
S2850 DIRECTDRIVE STACKER										
6.2	157	13	2.75-2.84	70-72	2.51	64	6.27	159	3.49	89

INTRALOX · SPIRAL

SERIES 2850

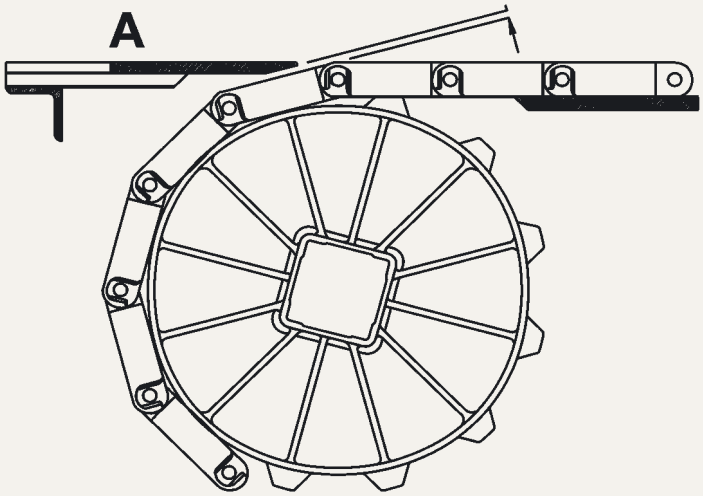
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
6.2	157	13	0.091	2.3

INTRALOX · SPIRAL

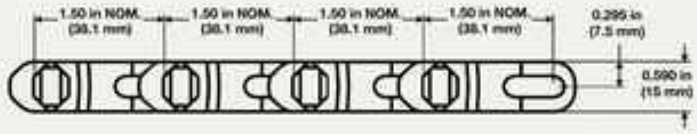
SERIES 2900 - SPIRAL DIRECTDRIVE™ (DD)

SPIRAL DIRECTDRIVE™ (DD)

	IN	MM
Pitch	1.5	38.1
Minimum Width[1]	13.5	343
Maximum Width[1]	61.7	1567
Width Increments	1.0	25.4
Opening Size (approximate)	0.52 × 0.39	13 × 10
Open Area (fully extended)	44%	
Minimum Open Area (collapsed)	26%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Belt openings pass straight through the belt to simplify cleaning.
- Robust edge feature adds strength to the outside edge of the belt.
- Relatively uniform open area across the width of the belt to aid product freezing and cooling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.78	8.69 · Spiral belt strength 475 lb · 215 kg
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.46	7.13 · Spiral belt strength 375 lb · 170 kg
Detectable MX	Detectable MX	1600	2381	-50 to 200	-46 to 93	2.08	10.16 · Spiral belt strength 475 lb · 215 kg

1 Width dimension includes tooth protrusion. 2 Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths.

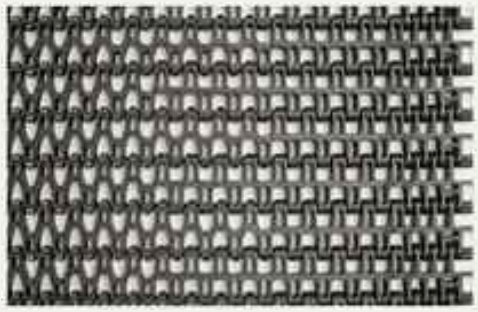
INTRALOX · SPIRAL

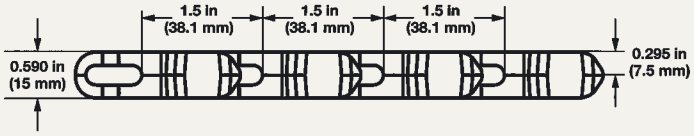
SERIES 2900 - SPIRAL 1.6

SPIRAL 1.6

	IN	MM
Pitch	1.5	38.1
Minimum Width[1]	13.5	343
Maximum Width[1]	61.7	1567
Width Increments	0.5	12.7
Opening Size (approximate)	0.52 × 0.39	13 × 10
Open Area (fully extended)	44%	
Minimum Open Area	26%	
Hinge Style	Open	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Belt openings pass straight through the belt to simplify cleaning.
- Relatively uniform open area across the width of the belt aids product freezing and cooling.
- Robust edge feature adds strength to the outside edge of the belt.
- Cage-friendly inside edge and frame-friendly outside edge
- Enhanced beam stiffness.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Eliminates product contamination from metal-wear debris.
- Enables simple, quick repairs and changeovers.
- Designed for friction drive, capstan, spiral applications with a minimum turn radius of 1.6 times the belt width (measured from the inside edge).
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.78	8.69 · 475 · 215
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.46	7.13 · 375 · 170

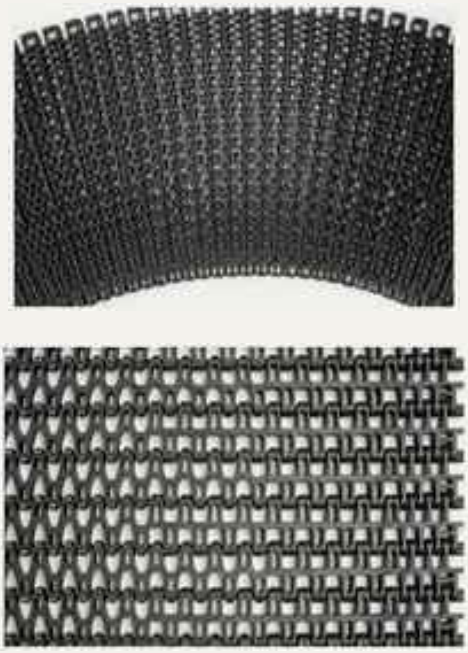
1 Width dimension includes tooth protrusion. 2 Published curved belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of curve belt strengths.

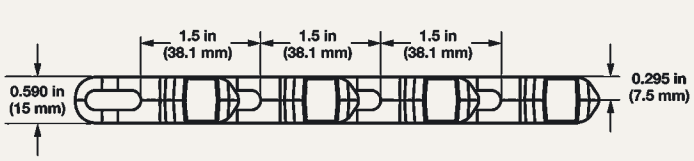
INTRALOX · SPIRAL

SERIES 2900 - SPIRAL 2.2

SPIRAL 2.2

	IN	MM
Pitch	1.5	38.1
Minimum Width[1]	13.5	343
Maximum Width[1]	61.7	1567
Width Increments	0.5	12.7
Opening Size (approximate)	0.52 × 0.39	13 × 10
Open Area (fully extended)	44%	
Minimum Open Area	26%	
Hinge Style	Open	
Drive Method	Center/hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	





PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Belt openings pass straight through the belt to simplify cleaning.
- Relatively uniform open area across the width of the belt aids product freezing and cooling.
- Robust edge feature adds strength to the outside edge of the belt.
- Cage-friendly inside edge and frame-friendly outside edge.
- Enhanced beam stiffness.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Eliminates product contamination from metal-wear debris.
- Enables simple, quick repairs and changeovers.
- Designed for friction drive, capstan, spiral applications with a minimum turn radius of 2.2 times the belt width (measured from the inside edge).
- Minimum sprocket indent from the inside belt edge and from the outside belt edge can vary. Contact Uniking Customer Service to determine exact placement.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	1.78	8.69 · 475 · 215
SELM	Acetal	500	744	-50 to 200	-46 to 93	1.46	7.13 · 375 · 170

1 Width dimension includes tooth protrusion. 2 Published curved belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of curve belt strengths.

INTRALOX · SPIRAL

SERIES 2900

ACETAL SPROCKETS

ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA. (IN)	NOM. PITCH DIA. (MM)	NOM. OUTER DIA. (IN)	NOM. OUTER DIA. (MM)	NOM. HUB WIDTH (IN)	NOM. HUB WIDTH (MM)	AVAILABLE BORE SIZES			
							U.S.		METRIC	
							ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
13 (2.97%)	6.2	157	6.4	163	1.2	30.5	1-7/16, 2	1.5, 2.5		40, 60



ACETAL SPROCKET

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
		U.S.		METRIC	
IN	MM	ROUND (IN)	SQUARE (IN)	ROUND (MM)	SQUARE (MM)
6.2	157	1-7/16, 2	1.5, 2.5		40, 60



SUPPORT WHEEL

OVERLAPPING SIDEGUARDS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.50	12.7	Acetal, Detectable MX
1.0	25.4	Acetal, Detectable MX

- Maximizes product carrying capacity. Sideguards fit to the very edge of the belt, with no indent.
- Assembly does not require “finger cuts” on the modules, so the belt beam strength is not compromised.
- Makes the outer edge of the belt more snag-resistant.
- Keeps small products from falling through belt gaps.
- Turn ratio for 0.50 in (12.7 mm) overlapping sideguards 1.6.



OVERLAPPING SIDEGUARDS

INTRALOX · SPIRAL

SERIES 2900

LANE DIVIDERS

LANE DIVIDERS

AVAILABLE HEIGHT		AVAILABLE MATERIALS
IN	MM	
0.75	19	Acetal, Detectable MX, SELM



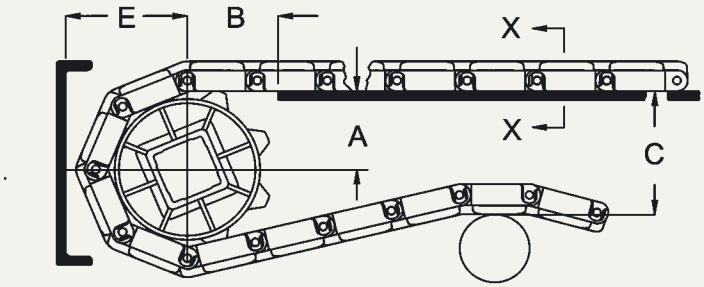
LANE DIVIDERS

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see **Basic Conveyor Frame Requirements**.



A ± 0.031 IN (1 MM); B ± 0.125 IN (3 MM); C ± (MAX.); E ± (MIN.)

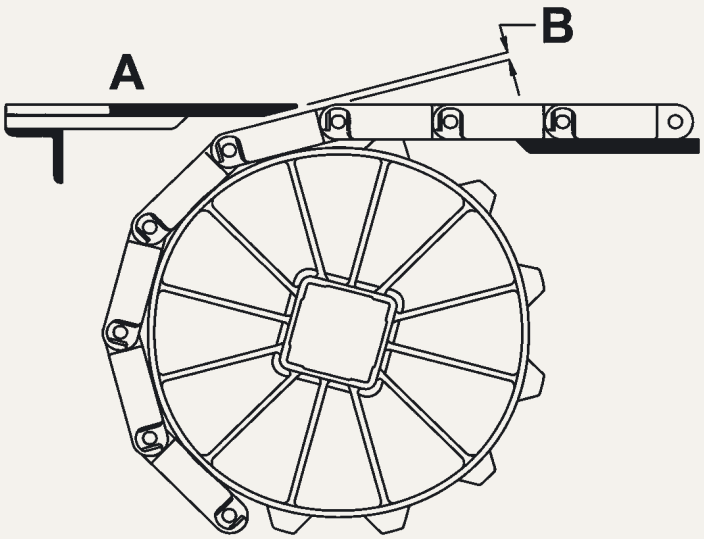
SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2900 SPIRAL DIRECTDRIVE										
6.2	157	13	2.75-2.84	70-72	2.51	64	6.27	159	3.49	89

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM

INTRALOX · SPIRAL

SERIES 2900

FLUSH EDGE WITH WEARSTRIP

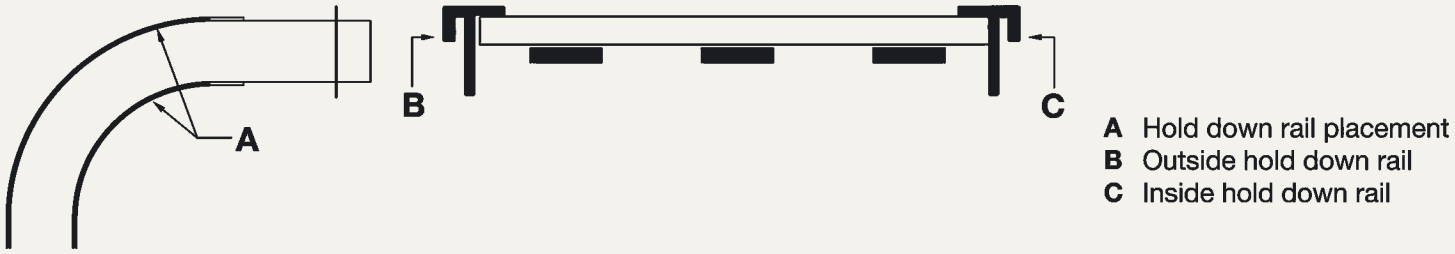


FIGURE 18: HOLD DOWN RAILS AND WEARSTRIPS FOR SERIES 2900 FLAT-TURNS — A HOLD DOWN RAIL PLACEMENT, B OUTSIDE HOLD DOWN RAIL, C INSIDE HOLD DOWN RAIL

BELT SELECTION INSTRUCTIONS

For assistance with radius belt and low-tension capstan drive spiral selections, contact Uniking Customer Service to ensure that the belt is strong enough for the radius application in question. See **Engineering Program Analysis for Spiral and Radius Belts** for more information.

S2900 DESIGN GUIDE SUMMARY

For more information, see the **Installation, Maintenance & Troubleshooting Manual** available from Uniking.

- **A** The minimum turn radius for S2900 is 1.6 times the belt width, measured from the inside edge for the standard edge.
- **B** The minimum straight run required between turns of opposing direction is 1.6 times the belt width. Shorter straight sections lead to high wear on the edge guide rail and high pull stresses in the belt.
- **C** There is no minimum straight run required between turns that are in the same direction.
- **D** The minimum final straight run (leading to the drive shaft) must be a minimum of 5 ft (1.5 m). If 5 ft (1.5 m) is not feasible, shorter distances (down to 1.5 times belt width) require a weighted take up to avoid sprocket wear and tracking problems. See **Special Take-Up Arrangements**.
- **E** The minimum length of the first straight run (immediately after the idle shaft) is 1.5 times the belt width. When shorter lengths are required (down to 1.0 times the width), an idle roller can be used in place of sprockets.
- **F** idle shaft
- **G** first turn
- **H** belt width
- **I** belt travel
- **J** second turn
- **K** drive motor
- **L** drive shaft

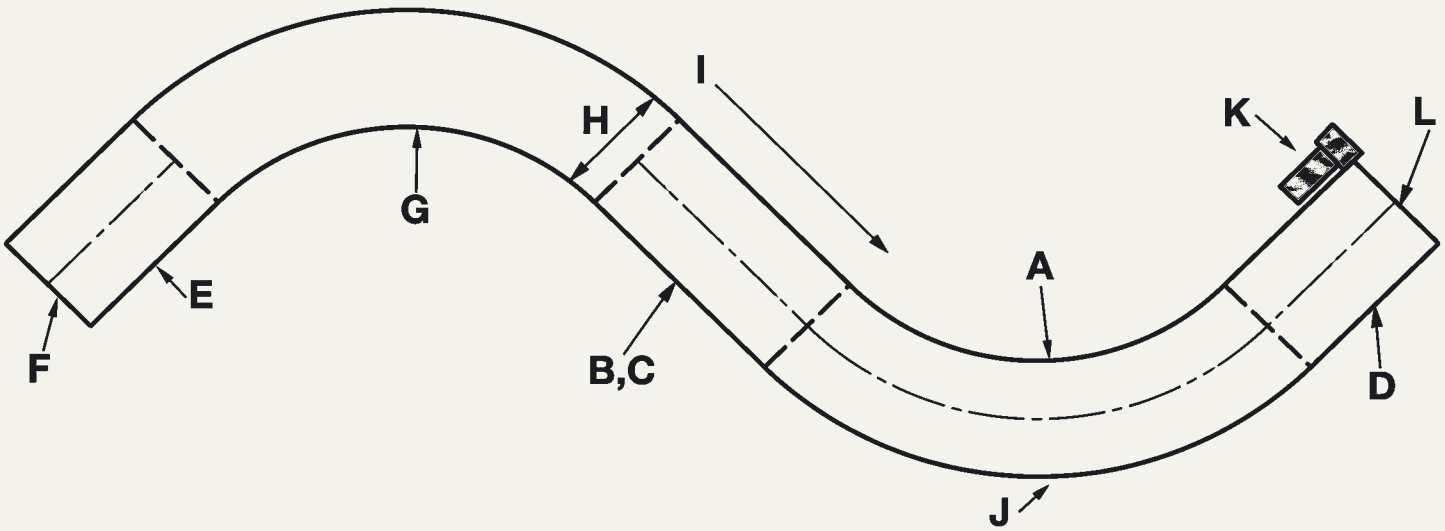


FIGURE 19: TYPICAL TWO-TURN RADIUS LAYOUT

INTRALOX · SPIRAL

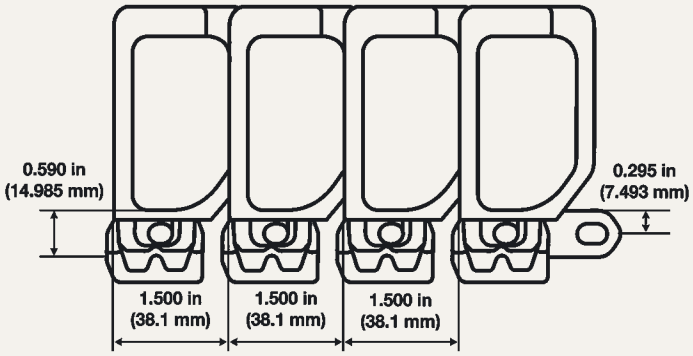
SERIES 2950 - DIRECTDRIVE™ STACKER

DIRECTDRIVE™ STACKER

	IN	MM
Pitch	1.5	38.1
Minimum Width	12	304.8
Width Increments	1.00	25.4
Opening Size (approximate)	0.52 × 0.39	13.0 × 10.0
Open Area (fully extended)	44%	
Minimum Open Area	26%	
Hinge Style	Open	
Drive Method	Hinge-driven	
Rod Retention; Rod Type	Occluded edge; unheaded	







PRODUCT NOTES

- **This belt has pinch points. See the Safety section in the Intralox Conveyor Belting, Installation, Maintenance & Troubleshooting Manual for more information.**
- Contact Uniking for precise belt measurements and stock status before designing equipment or ordering a belt.
- Lightweight, strong belt with smooth surface grid for good product release.
- Belt openings pass straight through the belt to simplify cleaning.
- Relatively uniform open area across the width of the belt to aid product freezing and cooling.
- Detailed material information is provided at the beginning of Section 2: Product Line.
- Sideplates are permanently installed and cannot be replaced.
- Designed for stacker applications using patented DirectDrive technology.
- Tier spacing: available in 60 mm, 80 mm, or 100 mm.

BELT DATA

BELT MATERIAL	STANDARD ROD MATERIAL Ø 0.240 IN (6.1 MM)	BELT STRENGTH		TEMPERATURE RANGE (CONTINUOUS)		BELT WEIGHT	
		LB/FT	KG/M	°F	°C	LB/FT²	KG/M²
Acetal	Acetal	1600	2381	-50 to 200	-46 to 93	2.18	10.64 · 475 · 215

1 Published spiral belt strengths and their method of calculation vary among belt manufacturers. Please consult Uniking Customer Service for accurate comparison of spiral belt strengths. 2 Sideflexing applications must not exceed 180°F (82°C).

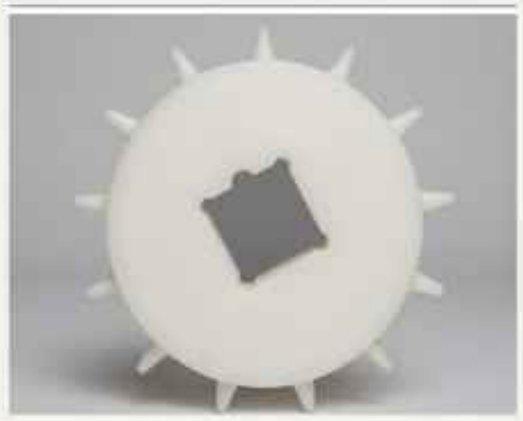
INTRALOX · SPIRAL

SERIES 2950

ACETAL SPROCKETS

ACETAL SPROCKETS

NO. OF TEETH (CHORDAL ACTION)	NOM. PITCH DIA.		NOM. OUTER DIA.		NOM. HUB WIDTH		AVAILABLE BORE SIZES			
							U.S.		METRIC	
	IN	MM	IN	MM	IN	MM	ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
13 (2.97%)	6.2	157	6.4	163	1.2	30.5	1-7/16, 2	1.5, 2.5		40, 60



SERIES 2950 ACETAL SPROCKET

SUPPORT WHEEL

AVAILABLE PITCH DIAMETER		AVAILABLE BORE SIZES			
		U.S.		METRIC	
IN	MM	ROUND IN	SQUARE IN	ROUND MM	SQUARE MM
6.2	157	1-7/16, 2	1.5, 2.5		40, 60



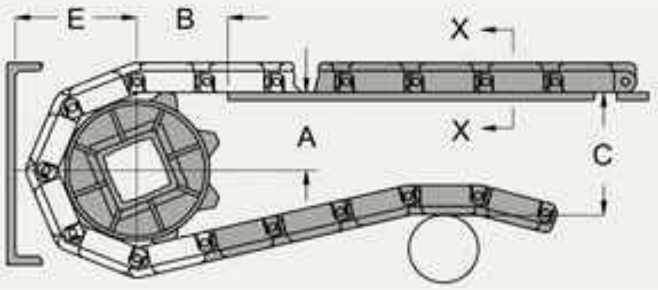
SERIES 2950 SUPPORT WHEEL

CONVEYOR FRAME DIMENSIONS

Regardless of type or configuration, all conveyors using Intralox belts have some basic dimensional requirements. Specifically, dimensions **A**, **B**, **C**, and **E** are implemented in any design.

For general applications and applications where end transfer of tip-sensitive product is not critical, use the **A** dimension at the bottom of the range.

For complete descriptions of the dimensions, see Basic Conveyor Frame Requirements.



CONVEYOR FRAME DIMENSIONS A, B, C, E AND SECTION X–X

CONVEYOR FRAME DIMENSIONS

SPROCKET DESCRIPTION			A		B		C		E	
PITCH DIAMETER		NO. TEETH	RANGE (BOTTOM TO TOP)							
IN	MM		IN	MM	IN	MM	IN	MM	IN	MM
S2950 DIRECTDRIVE STACKER										
6.2	157	13	2.71-2.81	69-71	2.47	63	6.20	157	3.46	88

INTRALOX · SPIRAL

SERIES 2950

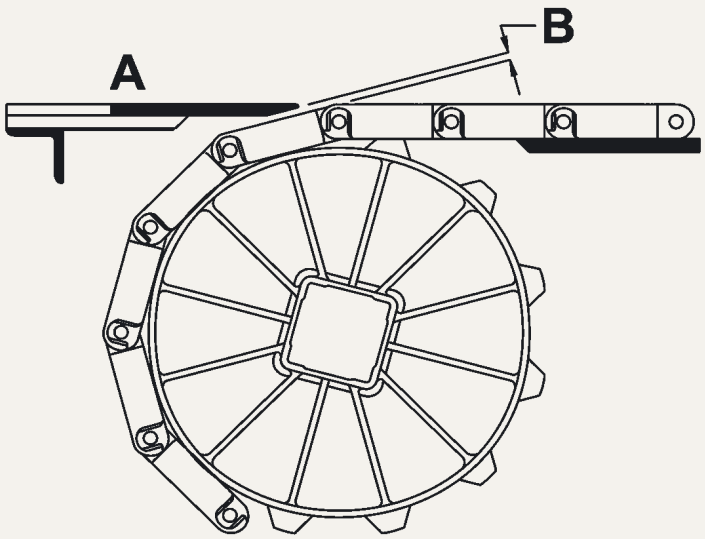
DEAD PLATE GAP

DEAD PLATE GAP

A gap is needed at transfer points between a belt without finger transfer plates and a dead plate. This gap between surfaces allows for the chordal action of the belt. As the belt engages the sprockets, chordal action causes the modules to move past a **fixed** point (the tip of the dead plate) with **varying** clearances. The following table lists the minimum gap between the dead plate and the belt. This measurement is the minimum gap that occurs at the low point of the module, as the high point of the module just contacts the dead plate.

When it is necessary to maintain contact between the tip of the dead plate and the belt, hinge the dead plate mounting bracket. Hinging the mounting bracket allows the dead plate to move as the modules pass. Note: hinged mounting brackets create a small oscillating motion that can cause tippage problems for sensitive containers or products.

NOTE: The top surface of the dead plate is typically 0.031 in (0.8 mm) above the belt surface for product transfer onto the belt. For product transfer off the belt, the top surface of the dead plate is typically 0.031 in (0.8 mm) below the belt surface.



A TOP SURFACE OF DEAD PLATE; B DEAD PLATE GAP

DEAD PLATE GAP

SPROCKET DESCRIPTION			GAP	
PITCH DIAMETER		NO. TEETH		
IN	MM		IN	MM
6.2	157	13	0.092	2.3

INTRALOX · SPIRAL

PRODUCTS

TABLETOP AND MATTOP

REXNORD

Tabletop and Mattop Products

BRAND

REXNORD

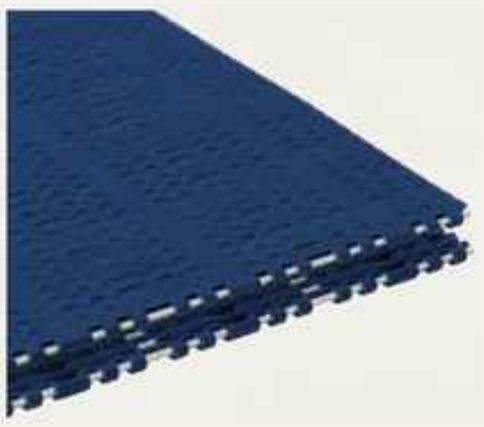
TABLETOP & MATTOP MODULAR BELTS

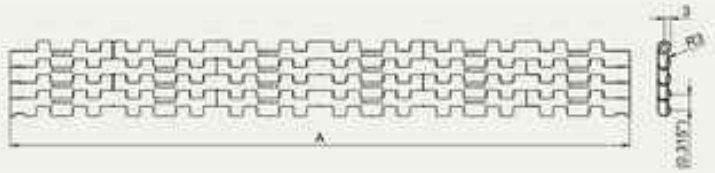
424 390-Series
425 500-Series
429 1500-Series
436 8500-Series
440 5930-Series
443 1001-Series
444 1000-Series
451 1005-Series
457 1010-Series
460 1020-Series
462 1090-Series
464 7700-Series
469 2000-Series
474 2010-Series
478 6990-Series
480 6990-Series Hybrid
483 3120-Series
485 3185-Series
486 3125-Series
489 505-Series
493 1200-Series
502 7956-Series

REXNORD

390-SERIES

FLATTOP 395





REXNORD 395 MATTOP CHAIN: WIDTH A, 3, R3, 8 (0.315"), 6

REXNORD 390 SERIES MATTOP CHAIN MATERIAL (IMPERIAL) OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN) IN / MM	TEMPERATURE RANGE °C DRY	WET
SMB395-XXIN	SMB (blue)	PBT	500 / 7300	1.2 / 5.7	0.2 / 3.0	4 to 80	4 to 65
WSM395-XXIN	WSM (white)	PBT	500 / 7300	1.2 / 5.7	0.2 / 3.0	4 to 80	4 to 65
HP395-XXIN	HP (grey)	PBT	500 / 7300	1.2 / 5.7	0.2 / 3.0	4 to 80	4 to 65
PSX395-XXIN	PSX (grey)	PBT	500 / 7300	1.2 / 5.7	0.2 / 3.0	4 to 80	4 to 65

GENERAL INFORMATION:

- The Rexnord 395 MatTop Chain is offered in flat top surface execution
- **(A)** Nominal standard width of the (imperial) Rexnord 395 MatTop Chain is 6 IN and available with increments of 2 IN up to 120 IN

REXNORD 390 SERIES MATTOP CHAIN MATERIAL (METRIC) OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN) IN / MM	TEMPERATURE RANGE °C DRY	WET
XLG395-XXMM	XLG (blue)	PBT	500 / 7300	1.16 / 5.7	0.2 / 3.0	4 to 80	4 to 65
PSX395-XXMM	PSX (grey)	PBT	500 / 7300	1.16 / 5.7	0.2 / 3.0	4 to 80	4 to 65

GENERAL INFORMATION:

- The Rexnord 395 MatTop Chain is offered in flat top surface execution
- **(A)** Nominal standard width of the (metric) Rexnord 395 MatTop Chain is 255 mm and available with increments of 85 mm up to 3600 mm

KU 390 SERIES SPROCKET

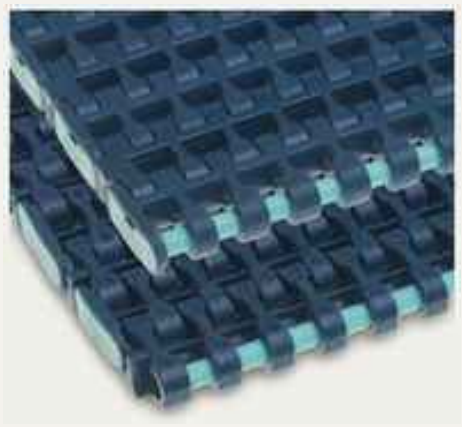
NUMBER OF TEETH	PITCH DIAMETER		OUTSIDE DIAMETER		BORE DIAMETER ROUND IN MIN	ROUND IN MAX	ROUND MM MIN	ROUND MM MAX	SQUARE IN MIN	SQUARE IN MAX	SQUARE MM MIN	SQUARE MM MAX
	IN	MM	IN	MM								
KU 390 SERIES SPROCKET												
24	2.4	61	2.4	63	3/4	1	20	30	1	1	25	30
32	3.2	83	3.2	83	3/4	1.5	20	30	1	1.5	25	45
36	3.6	92	3.6	93	3/4	1.5	20	40	1	2	25	55

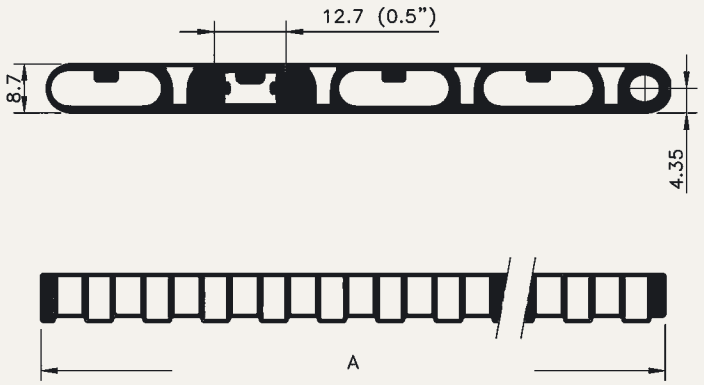


REXNORD

500-SERIES

FLUSH GRID 500





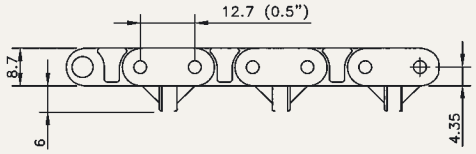
FLUSH GRID 500 BELT: PITCH 12.7 (0.5"), 8.7, 4.35, WIDTH A

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH POLYPROPYLENE PINS							
STANDARD	FG 500 XLG	857.40.xx	4 to 80	4 to 65	13000	6.00	8
POSITRACK LEFT	FGP 500 XLG	874.05.xx	4 to 80	4 to 65	13000	6.00	8
POSITRACK RIGHT	FGP 500 XLG	874.06.xx	4 to 80	4 to 65	13000	6.00	8
POSITRACK TWO SIDES	FGP 500 XLG	874.04.xx	4 to 80	4 to 65	13000	6.00	8

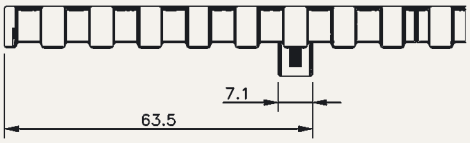
** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on in steps of 85 mm.*
See page 208 for all code numbers. *Cut to width options upon request.*



FLUSH GRID 500 BELT WITH POSITRACK



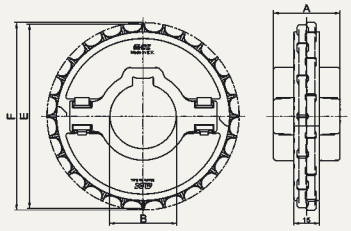
POSITRACK: 12.7 (0.5"), 8.7, 6, 4.55



POSITRACK: 7.1, 63.5, WIDTH A



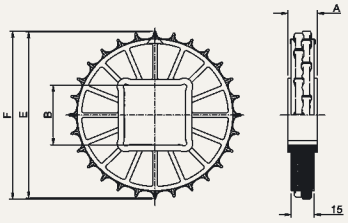
SPLIT SPROCKETS



SPLIT SPROCKET: BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A



CLASSIC SPROCKETS



CLASSIC SPROCKET: BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A

REXNORD

500-SERIES (CONT.)

SPROCKETS

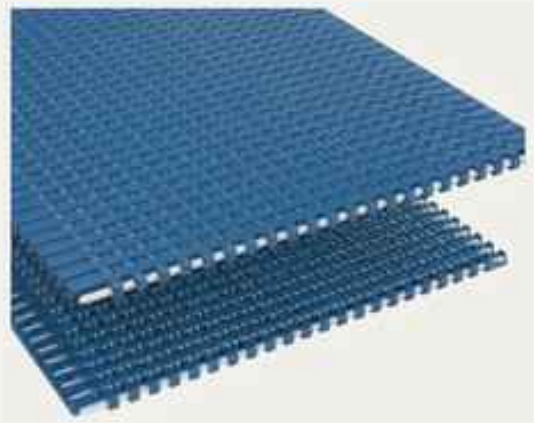
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
ROUND BORES						
NS500-28T_30MM_1KW_PA	10302795	28	30 mm	113.4	113.4	39
NS500-28T_40MM_1KW_PA	10148194	28	40 mm	113.4	113.4	39
NS500-28T_1-1/2IN_1KW_PA	10148196	28	1.5″	113.4	113.4	39
SQUARE BORES						
NS500-28T_40MM_S_PA	10148195	28	40 mm	113.4	113.4	39
NS500-28T_1-1/2IN_S_PA	10328184	28	1.5″	113.4	113.4	39
CLASSIC SPROCKETS						
ROUND BORES						
N500-28T_25MM_2KW_PA	10148166	28	25 mm	113.4	113.4	20
N500-28T_30MM_2KW_PA	10148167	28	30 mm	113.4	113.4	20
N500-28T_40MM_2KW_PA	10148165	28	40 mm	113.4	113.4	20
N500-28T_1-1/2IN_2KW_PA	10148169	28	1.5″	113.4	113.4	20
N500-38T_40MM_2KW_PA	10148164	38	40 mm	153.8	153.1	20
SQUARE BORES						
N500-28T_40MM_S_PA	10148168	28	40 mm	113.4	113.4	20
N500-28T_60MM_S_PA	10334323	28	60 mm	113.4	113.4	20

Box Order Quantity is 10 pieces. (Stated after both the split sprocket and the classic sprocket groups.)

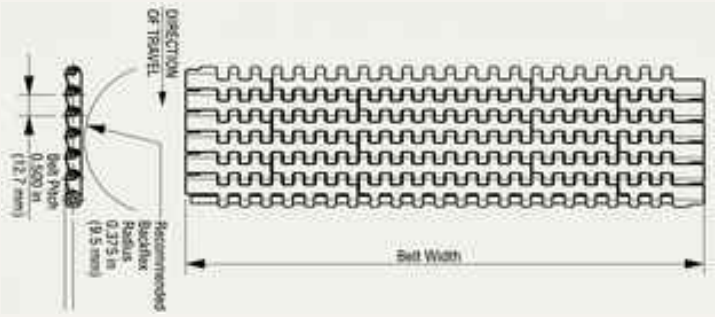
REXNORD

500-SERIES

FLAT TOP



FLAT TOP



FLAT TOP BELT – BELT PITCH 0.500 IN (12.7 MM), RECOMMENDED BACKFLEX RADIUS 0.375 IN (9.5 MM), BELT BOTTOM TO CENTERLINE 0.188 IN (3.0 MM), BELT HEIGHT 0.375 IN (9.53 MM), BELT WIDTH, DIRECTION OF TRAVEL

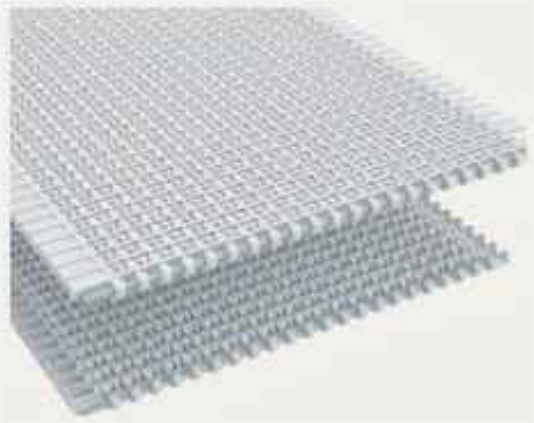
REXNORD 590 SERIES KLEANTOP CHAIN OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET
SMB595-XXIN	SMB (Blue)	PBT	1.100 / 16.048	1.59 / 7.76	0.375 / 9.5	-40 / 82	-40 / 66
WHT595-XXIN	WHT (White)	PBT	700 / 10.213	1.02 / 4.98	0.375 / 9.5	4 / 104	4 / 100
BHT595-XXIN	BHT (Blue)	PBT	700 / 10.213	1.02 / 4.98	0.375 / 9.5	4 / 104	4 / 100

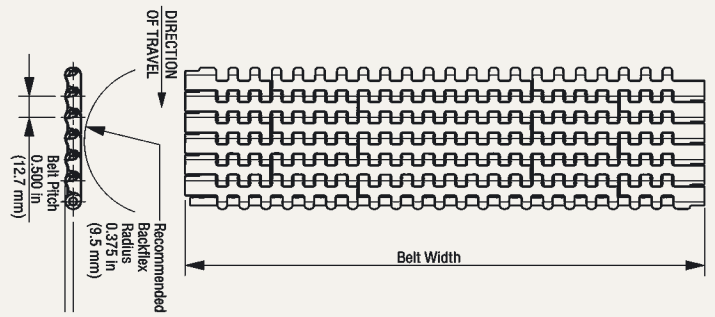
Backflex radius 0.375 / 9.5 applies to all three chain types.

GENERAL INFORMATION:

- Plastic modular belt available in minimum width of four inches and increments of a half-inch
- (A) Nominal standard width of the (imperial) Rexnord 590 MatTop Chain is 4 IN and available with increments of 0.5IN



FLUSH GRID



FLUSH GRID BELT – BELT PITCH 0.500 IN (12.7 MM), RECOMMENDED BACKFLEX RADIUS 0.375 IN (3.5 MM), BELT BOTTOM TO CENTERLINE 0.188 IN (3.0 MM), BELT HEIGHT 0.375 IN (9.53 MM), BELT WIDTH, DIRECTION OF TRAVEL

REXNORD 596 SERIES KLEANTOP CHAIN MATERIAL OVERVIEW

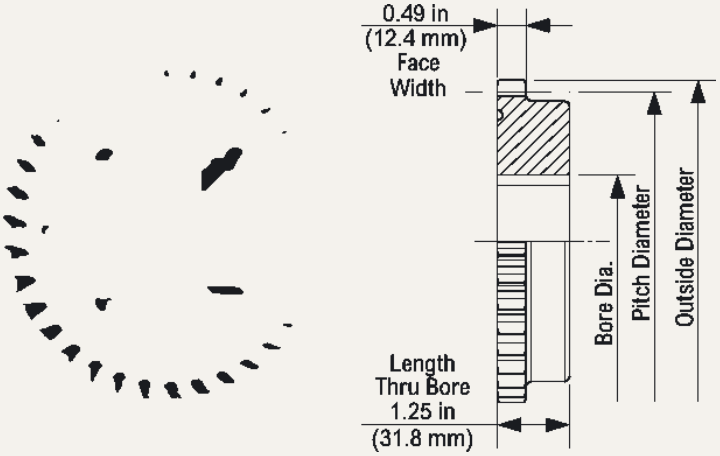
CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET
SMB596-XXIN	SMB (Blue)	PBT	900 / 13.130	1.48 / 7.23	0.375 / 9.5	-40 / 82	-40 / 66
WHT596-XXIN	WHT (White)	PBT	500 / 7295	0.95 / 4.64	0.375 / 9.5	4 / 104	4 / 100
BHT596-XXIN	BHT (Blue)	PBT	500 / 7295	0.95 / 4.64	0.375 / 9.5	4 / 104	4 / 100

Backflex radius 0.375 / 9.5 applies to all three chain types.

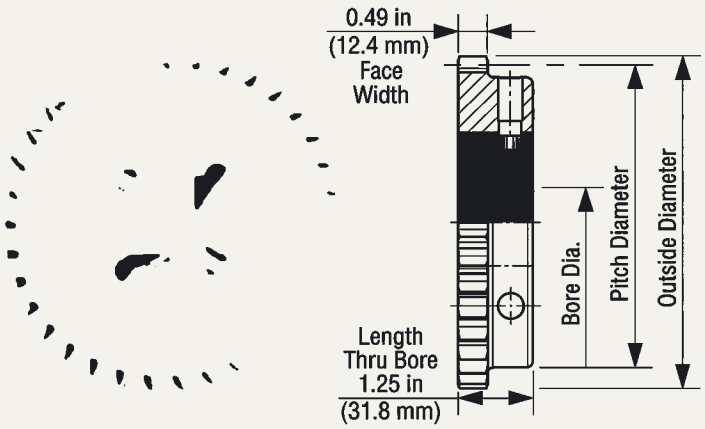
REXNORD

500-SERIES

KU590 & KUS590 THERMOPLASTIC SPROCKETS



KU590 THERMOPLASTIC SPROCKET – FACE WIDTH 0.49 IN (12.4 MM), LENGTH THRU BORE 1.25 IN (31.8 MM), BORE DIA., PITCH DIAMETER, OUTSIDE DIAMETER



KUS590 THERMOPLASTIC SPLIT SPROCKET – FACE WIDTH 0.49 IN (12.4 MM), LENGTH THRU BORE 1.25 IN (31.8 MM), BORE DIA., PITCH DIAMETER, OUTSIDE DIAMETER

KU590 THERMOPLASTIC SPROCKET INFORMATION

NUMBER OF TEETH		PITCH DIAMETER		OUTSIDE DIAMETER		BORE DIAMETER (SHAFT-READY) ROUND				BORE DIAMETER (SHAFT-READY) SQUARE				BORE DIAMETER (IDLER)				APPROXIMATE WEIGHT	
						IN		MM		IN		MM		IN		MM			
ACTUAL	EFFECT	IN	MM	IN	MM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LBS	KG
19T	19T	3.0	77.2	3.0	76.7	1	1-7/16	25	35	1	1-1/2	25	38	1	1-3/4	25	45	0.18	0.08
24T	24T	3.8	97.3	3.8	97.2	1	1-3/4	25	45	1	1-19/32	25	40	1	2	25	50	0.34	0.16
28T	28T	4.5	113.4	4.5	113.9	1	2-1/4	25	55	1	2-1/4	25	55	1	3	25	76	0.54	0.24
36T	36T	5.7	145.7	5.8	146.4	1	3	25	75	1	3	25	75	1	4	25	102	1.00	0.45

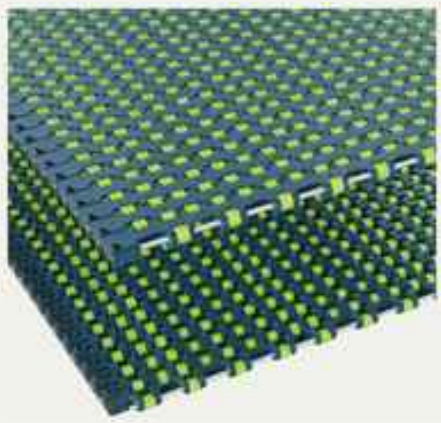
KUS590 THERMOPLASTIC SPLIT SPROCKET INFORMATION

NUMBER OF TEETH		PITCH DIAMETER		OUTSIDE DIAMETER		BORE DIAMETER (SHAFT-READY) ROUND				BORE DIAMETER (SHAFT-READY) SQUARE				BORE DIAMETER (ROUND)				APPROXIMATE WEIGHT	
						IN		MM		IN		MM		IN		MM			
ACTUAL	EFFECT	IN	MM	IN	MM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LBS	KG
36T	36T	5.7	145.7	5.8	146.4	1	2-3/4	25.0	70.0	1	2-1/2	25.0	60.0	1	2-3/4	25.0	70.0	1.05	0.47

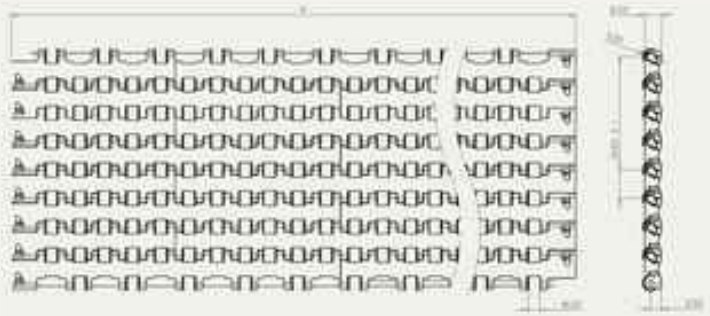
REXNORD

1500-SERIES

1533



1533 MODULAR BELT



1533 BELT TOP VIEW AND SIDE SECTION – BELT WIDTH A, 4.70, Ø8.50, 15 (0.59), 6.20, 5.55

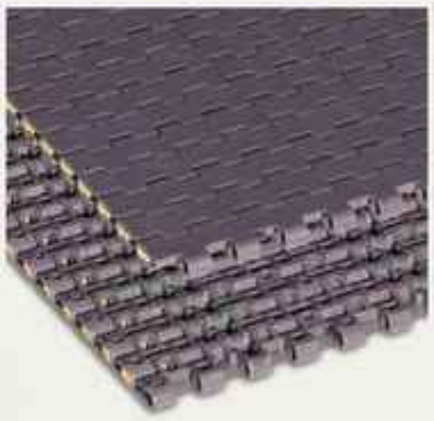
AVAILABLE MATERIALS	TEMPERATURE RANGE XLG MATERIAL								WORKING LOAD		APPROXIMATE WEIGHT		BACKFLEX RADIUS	
	FAHRENHEIT				CELSIUS									
	MIN		MAX		MIN		MAX							
	DRY	WET	DRY	WET	DRY	WET	DRY	WET	LBS/FT	N/M	LBS/FT2	KG/M2	MM	INCH
XLG, HP	-40°F	41°F	176°F	104°F	-40°C	5°C	80°C	40°C	1096	16000	2.8	13.5	20	0.7874

9.843" upto 40.157" with increments of 3.346"

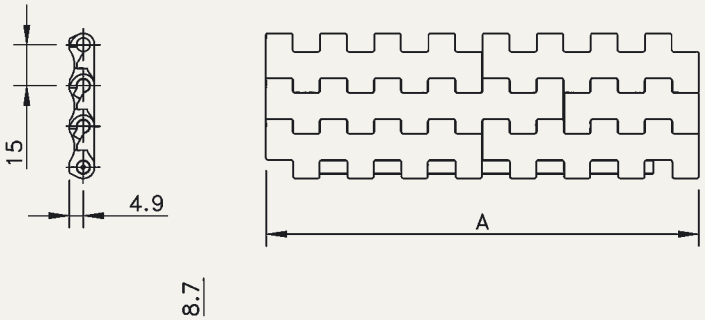
REXNORD

1500-SERIES

FLAT TOP 1505 IMPERIAL SIZES



FLAT TOP 1505 BELT



1505 BELT SIDE AND TOP VIEWS – 15, 4.9, 8.7, BELT WIDTH A

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
HP-ACETAL WITH PBT PINS							
Standard	HP 1505	I1505HPKxx	-40 to +80	-40 to +65	13200	6.24	25
DTS Left	HP 1505 DTS SX	81413971	-40 to +80	-40 to +65	13200	6.24	25
DTS Right	HP 1505 DTS DX	81414111	-40 to +80	-40 to +65	13200	6.24	25
HT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	HT 1505	I1505HTKxx	4 to 104	4 to 104	7300	4.52	25
WHT-POLYPROPYLENE WITH PP PINS							
Standard	WHT 1505	I1505WHTKxx	4 to 104	4 to 104	7300	4.50	25
FRPLUS - HIGH PERFORMANCE FLAME RETARDANT POLYMER - ACETAL PINS							
Standard	FRPLUS 1505	I1505FRPLUSKxx	-18 to +82	-40 to +65	7300	6.99	25

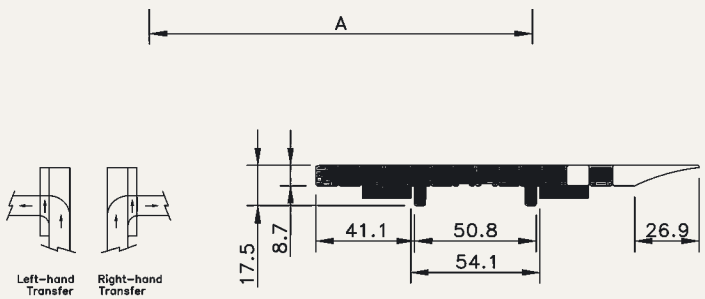
** In code numbers xx corresponds with the belt width (A). Standard nominal widths of these belts begin at 3" with 3" increments, or optionally 3/4" up to 96". NOTE: 3-3/4" is impossible. Example: I1505HPK06.75 is a 6.75" wide belt. See also page 223.*
The temperature, working load, weight and backflex radius values shown for the HP-Acetal group apply to all three HP 1505 assemblies.

If you need flights or sideguards, describe the belt by choosing from the required options listed in the 2nd column of the table:

Material	WHT or WSM or SMB	
Belt type	1505	
Width (A)	K - xx IN	
Flights	F1 or F2	Standard height of 1" (25.4 mm), 2" (50.8 mm) or special height in mm
Pitch between flights	T..P	Flights on every ..th row
Flight side-indent	N.. (in inches)	Minimal 1-7/8" (48 mm) with 3/4" (19 mm) increments
Sideguards	S2IN	Standard height of 2"

Example: BLT 1505 -12IN_F50mm_T4P_N1.88IN_S2IN is a 1505 Flat Top belt, made of blue polyethylene, width 12", special 50 mm high flights on every 4th row at 1-7/8" from the sides and 2" high sideguards.

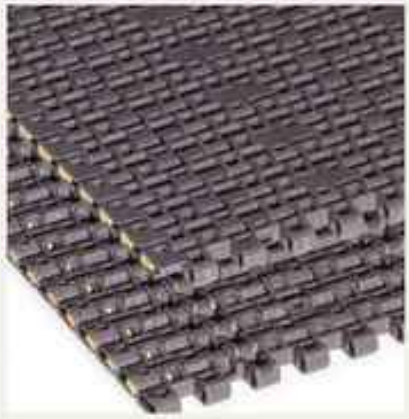


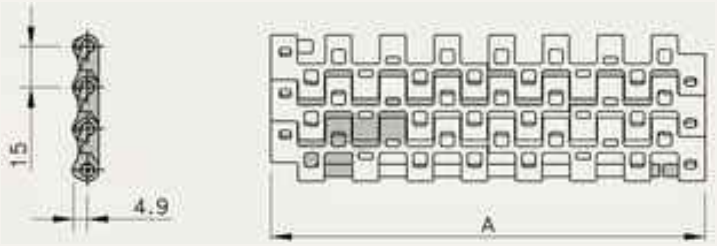


REXNORD

1500-SERIES

FLUSH GRID 1506 IMPERIAL SIZES





FLUSH GRID 1506 BELT: 15, 4.9, 8.7, WIDTH A

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH PBT PINS							
Standard	HP 1506	I1506HPKxx	-40 to +80	-40 to +65	13200	6.24	25
DTS Left	HP 1505 DTS SX	81413971	-40 to +80	-40 to +65	13200	6.24	25
DTS Right	HP 1505 DTS DX	81414111	-40 to +80	-40 to +65	13200	6.24	25
HT-POLYPROPYLENE WITH PBT PINS							
Standard	HT 1506	I1506HTKxx	4 to 104	4 to 104	7300	4.52	25
WHT-POLYPROPYLENE WITH PBT PINS							
Standard	WHT 1506	I1506WHTKxx	4 to 80	4 to 65	7300	4.50	25
FRPLUS-HIGH PERFORMANCE FLAME RETARDANT POLYMER - ACETAL PINS							
Standard	FRPLUS 1506	I1506FRPLUSKxx	-18 to +82	-18 to +60	7300	6.93	25

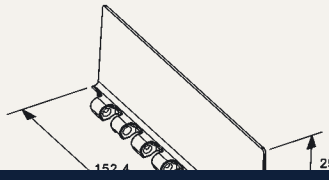
** In code numbers xx corresponds with the belt width (A). Standard nominal widths of these belts begin at 3" (76.2 mm), with 3" increments, or optionally ¾" up to 120". NOTE: 3¾" is impossible. Example: I1506HPK06.75 is a 6.75" wide belt. See also page 208.*

If you need flights or sideguards, describe the belt by choosing from the required options listed in the 2nd column of the table:

Material	HP or WHT or HT or FRPLUS	
Belt type	1506	
Width (A)	F1IN or F2IN	
Flights	F1 or F2	Standard height of 1" (25.4 mm), 2" (50.8 mm) or special height in mm
Pitch between flights	T..P	Flights on every ..th row
Flight side-indent	N.. (in inches)	Minimal 1 ⅞" (48 mm) with ¾" (19 mm) increments
Sideguards	S2IN	Standard height of 2"

Example: WSM1506-6IN_F2IN_T05P_N0IN is a 1506 Flush Grid belt, made of white acetal, width 15¾", 1" high flights on every 8th row at 1⅞" from the sides and 2" high sideguards.





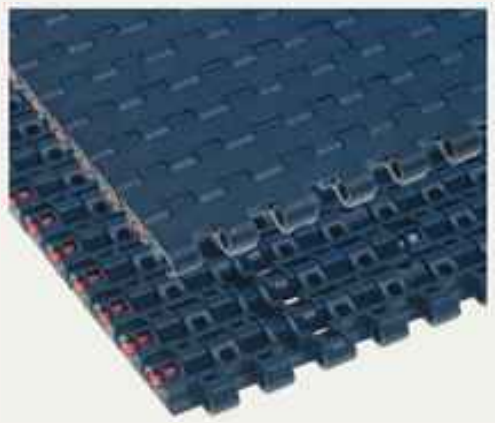




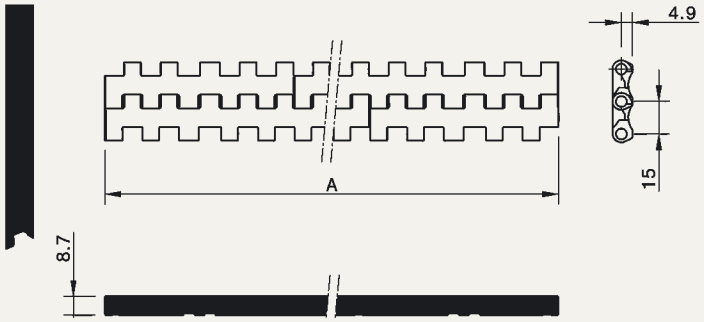
REXNORD

1500-SERIES

FLATTOP 1505 METRIC SIZES



FLATTOP 1505 METRIC



FLATTOP 1505 – TOP AND SIDE VIEW (A = BELT WIDTH; 8.7, 15, 4.9 MM)

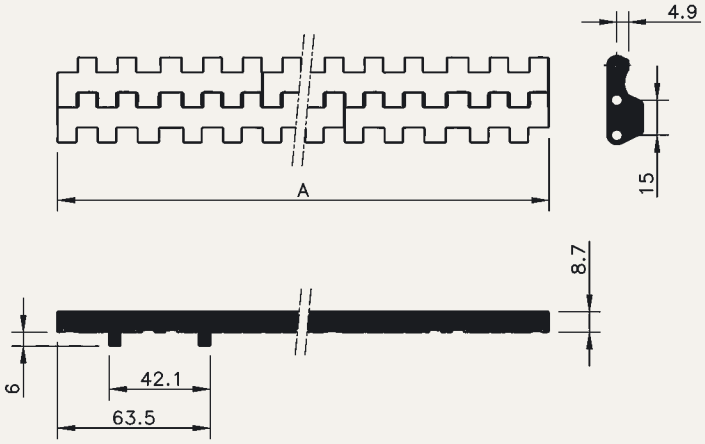
FLATTOP 1505 METRIC SIZES

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
XLG-ACETAL WITH PBT PINS							
Standard	FT 1505 XLG	873.44.xx	-40 to +80	-40 to +65	13200	6.35	25
Double Positrack	FTDP 1505 XLG	873.54.xx	-40 to +80	-40 to +65	13200	6.35	25
PSX – ADVANCED PERFORMANCE POLYMER ALLOY WITH PBT PINS							
Standard	FT 1505 PSX	873.77.xx	4 to 104	4 to 104	13200	4.49	25
Double Positrack	FTDP 1505 PSX	873.76.xx	4 to 104	4 to 104	13200	4.49	25
WHT-POLYPROPYLENE WITH PP PINS							
Standard	WHT 1505 FT	873.49.xx	4 to 104	4 to 104	7300	4.49	25
Double Positrack	WHT 1505 FTDP	873.58.xx	4 to 104	4 to 104	7300	4.49	25
DRY-PT - PBT PINS							
Standard	Dry-PT 1505 FT	I1505DRYPTFTxx	4 to 104	4 to 104	13200	4.49	25
Double Positrack	Dry-PT 1505 FTDP	I1505DRYPTFTDPKxx	4 to 104	4 to 104	13200	4.49	25
FRPLUS-HIGH PERFORMANCE FLAME RETARDANT POLYMER - ACETAL PINS							
Standard	FRPLUS 1505 FT	I1506FRPLUSKxx	-18 to +82	-18 to +60	7300	6.99	25
Double Positrack	FRPLUS 1505 FTDP	I1506FRPLUSFTDPKxx	-18 to +82	-18 to +60	7300	6.99	25

** In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on in steps of 85 mm, up to 6120 mm; wider belts upon request. See page 208 for all code numbers. Cut to width options are possible.*



POSITRACK 1505 METRIC

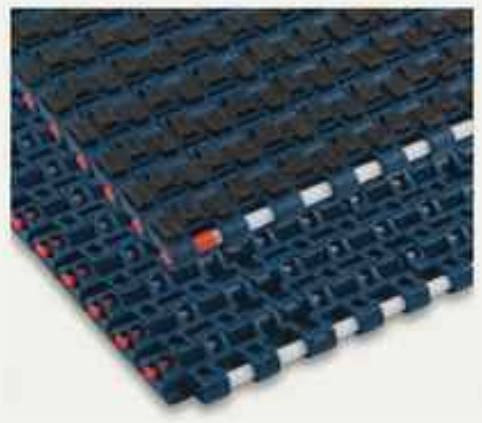


POSITRACK 1505 METRIC – TOP AND SIDE VIEW (A = BELT WIDTH; 42.1, 63.5, 6, 8.7, 15, 4.9 MM)

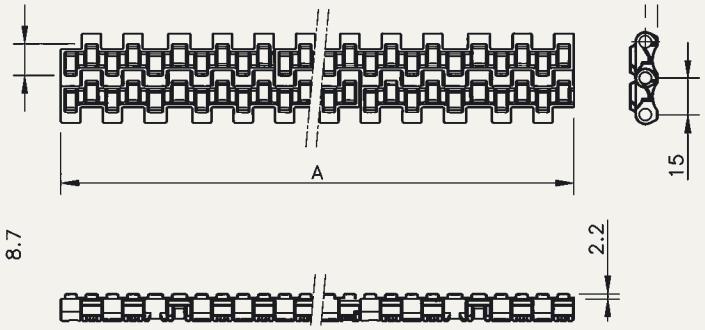
REXNORD

1500-SERIES

FLAT TOP 1505 SUPERGRIP



FLAT TOP 1505 SUPERGRIP

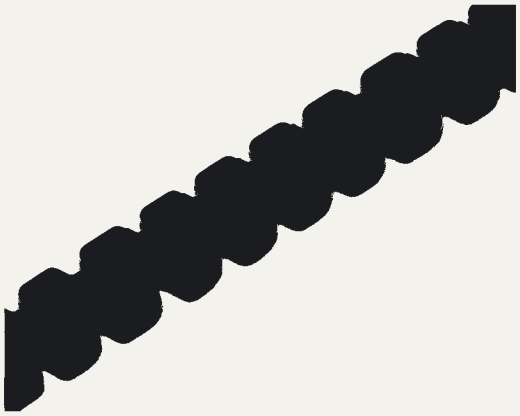


FLAT TOP 1505 SUPERGRIP – TOP AND SIDE VIEW (A = BELT WIDTH; 13, 8.7, 2.2, 15, 4.9 MM)

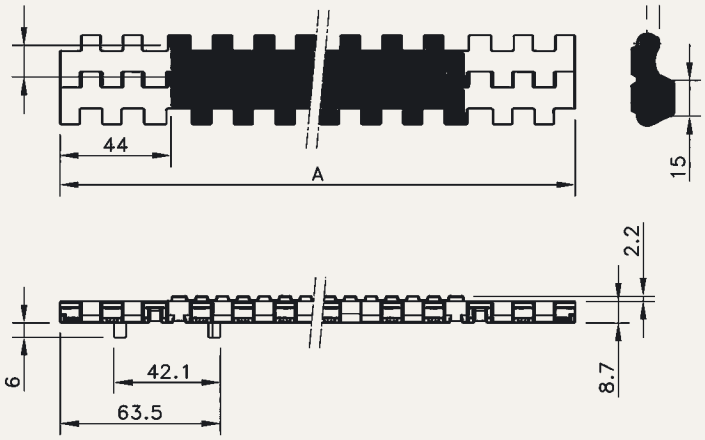
FLAT TOP 1505 SUPERGRIP

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
XLG-ACETAL WITH PBT PINS							
Standard	SG 1505 XLG	878.00.xx	-40 to +80	-40 to +65	13200	6.35	25
Double Positrack	SGDP 1505 XLG	878.12.xx	-40 to +80	-40 to +65	13200	6.35	25
Side-Indent	SGS 1505 XLG	878.01.xx	-40 to +80	-40 to +65	13200	6.35	25
Side-Indent Double Positrack	SGSDP 1505 XLG	878.13.xx	-40 to +80	-40 to +65	13200	6.35	25
WHT-POLYPROPYLENE WITH PBT PINS							
Standard	SG 1505 WHT	878.04.xx	4 to 80	4 to 65	7300	4.49	25
Side-Indent	SGS 1505 WHT	878.05.xx	4 to 80	4 to 65	7300	4.49	25

** In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on in steps of 85 mm, up to 6120 mm. SuperGrip Side-indent versions start with 255 mm width. See page 208 for all code numbers. Cut to width options are possible. Side-indent in SuperGrip versions is 44 mm.*



1505 SUPERGRIP SIDE-INDENT



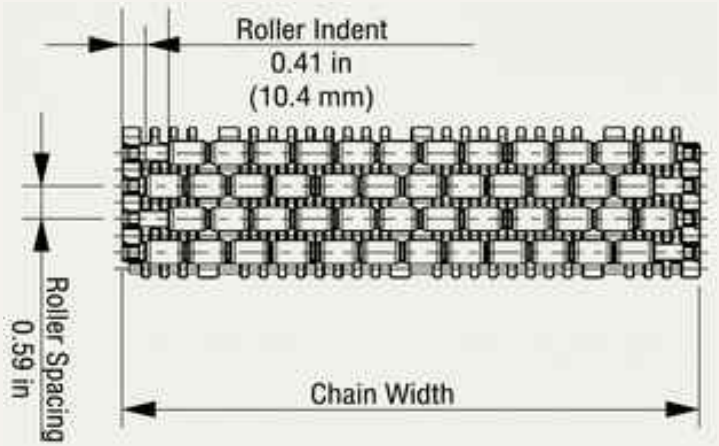
1505 SUPERGRIP SIDE-INDENT WITH POSITRACK (A = BELT WIDTH; 44, 42.1, 63.5, 13, 6, 8.7, 2.2, 15, 4.9 MM)

REXNORD

1500-SERIES

1553





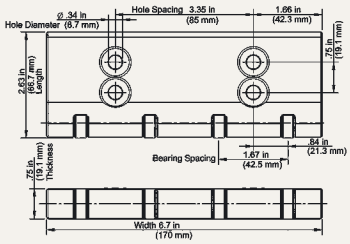
CHAIN WIDTH, ROLLER INDENT, ROLLER SPACING AND HEIGHT DIMENSIONS

BELT DATA

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH PBT PINS							
Standard	HP 1553	HP1553-xx	-40 to +82	-40 to +66	13131	14.84	25.4

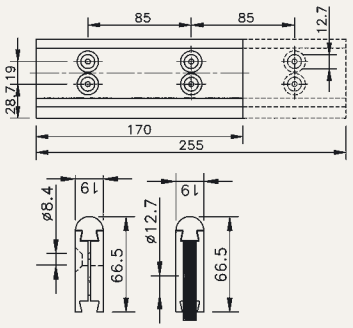


TAB GUIDE 8500-SERIES



SPECIFICATION DRAWING FOR THE 170-MILLIMETER WIDTH SIZE (PART NUMBER 10478853) OF THE 1500 SERIES MATTOP MOLDED DYNAMIC NOSE-OVER BAR





DYNAMIC NOSE-OVER BAR DIMENSIONS (MM)

NOSE-OVER BARS

DESCRIPTION	PART NUMBER	OVERALL LENGTH
STATIC NOSE-OVER BAR ULF		
NOSE OVER 905 L6IN STANDARD ULF	10483148	6.0 in
NOSE OVER 905 L6IN LOW-PROF M6 ULF	10483150	6.0 in
NOSE OVER 905 L6IN L170MM M6 ULF	10476256	170 mm (M6)
NOSE OVER 905 L255MM M6 ULF	10476257	255 mm (M6)
DYNAMIC NOSE-OVER BAR		
NOSEOVER ASSY 1500 DYN 6IN BWR	10478852	6.0 in
NOSEOVER ASSY 1500 DYN 3IN BWR	10478945	3.0 in
NOSEOVER ASSY 1500 DYN 170MM BWR	10478853	170 mm
NOSEOVER ASSY 1500 DYN 85MM BWR	10478976	85 mm

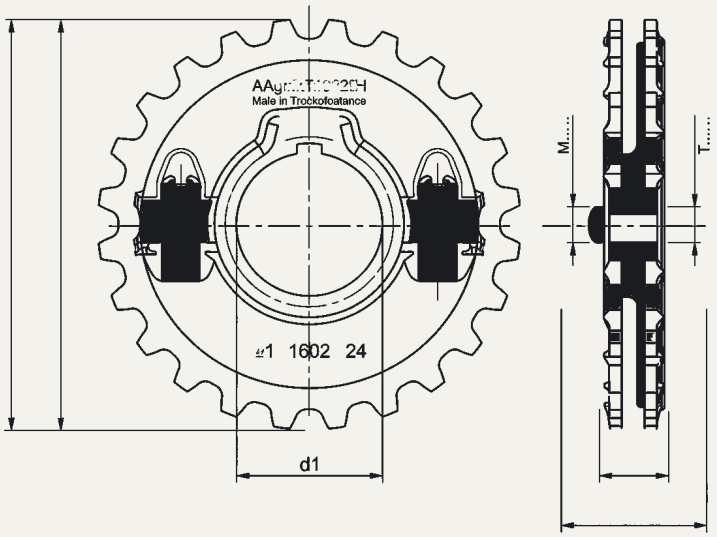
REXNORD

1500-SERIES

HYGIENIC SPLIT SPROCKETS



NSH1500



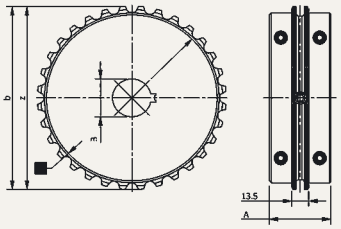
NSH1500 SPLIT MOLDED SPROCKET

HYGIENIC SPLIT SPROCKETS NSH1500

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB DIAMETER A MM
SPLIT MOLDED SPROCKET NSH1500						
NSH1500-24T_30MM_1KW	10378150	24	30	114.9	115.5	40.0
NSH1500-24T_40MM_1KW	10378415	24	40	114.9	115.5	40.0
NSH1500-32T_30MM_1KW	10378419	32	30	153.4	154.8	40.0
NSH1500-32T_40MM_1KW	10378423	32	40	153.4	154.8	40.0

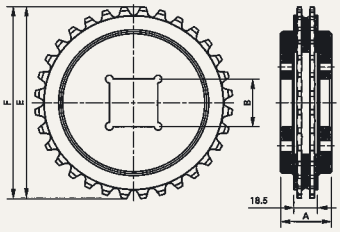
Box Order Quantity is 10 pieces.





SPLIT SPROCKETS KUS1500





CLASSIC SPROCKETS KU1500

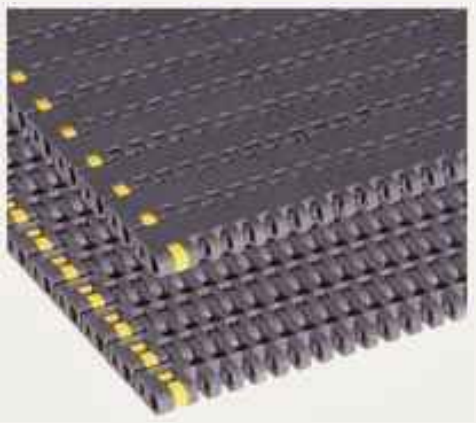
SPLIT SPROCKETS KUS1500 & CLASSIC SPROCKETS KU1500

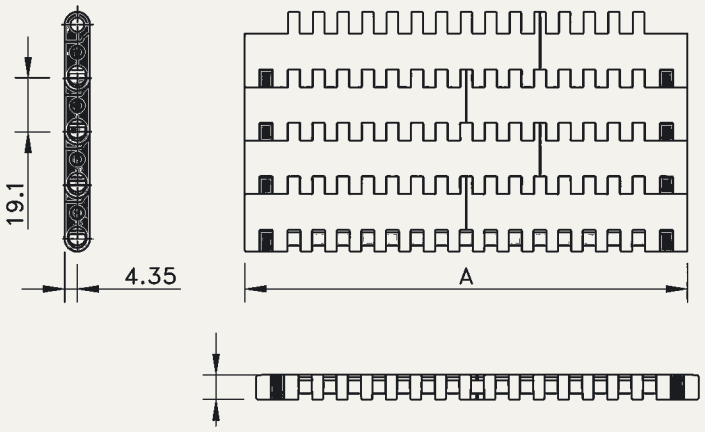
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB DIAMETER A MM
SPLIT SPROCKETS 1505 MACHINED						
ROUND BORES						
KUS1500-24T_25MM_1KW_PA_SP	10793851	24	25	114.9	115.5	40.0
KUS1500-24T_30MM_1KW_PA_SP	10793852	24	30	114.9	115.5	40.0
KUS1500-24T_40MM_1KW_PA_SP	10793853	24	40	114.9	115.5	40.0
CLASSIC SPROCKETS 1505 MACHINED						

REXNORD

8500-SERIES

SOLID TOP 8505





BELT PITCH, PIN DIAMETER, BELT WIDTH (A) AND THICKNESS IN MM

BELT DATA

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH POLYPROPYLENE PINS							
Standard	HP 8505	I8505HPKxx	-40 to +80	-40 to +65	29000	8.89	25
DTS Left/Positrack	HP8505DTS-4.5IN_MTW_PT_LH	10028436	-40 to +80	-40 to +65	29000	8.89	25
DTS Right/Positrack	HP8505DTS-4.5IN_MTW_PT_RH	10028437	-40 to +80	-40 to +65	29000	8.89	25
WHT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	WHT 8505	I8505HTKxx	5 to 105	5 to 105	16000	5.96	25
FRPLUS - HIGH PERFORMANCE FLAME RETARDANT POLYMER - ACETAL PINS							
Standard	FRPLUS 8505	I8505FRPLUSKxx	-18 to +82	-18 to +60	16000	9.77	25

** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 6", with 6" increments up to 120"; special widths begin at 2-1/3" with 1/3" increments. See also page 208.*

If you require flights, sideguards or tab guides, please describe the belt by choosing from the options listed in the **2nd column** of the table:

BELT DESCRIPTION OPTIONS

Material	HP or WHT or FRPLUS	
Belt type	8505	
Width (A)	F1IN or F2IN or F3IN	Belts with flights have a minimal width of 6"
Flights	F3 or F2 or F1	Standard height of 3", 2", 1" or special height in mm
Pitch between flights	T..P	Flights on every ..th row; with sideguards it must correspond to an even number of rows
Flight side-indent	N.. (in inches)	Any indent with increments of 0.25IN is possible
Sideguards	S2IN or S1IN	Standard height of 2" or 1"
Tab guides	D..	TAB1 is only one row; TAB2 is two rows
Distance between Tabs		Minimal 3" with increments of 2/3"
Pitch between Tabs	D..P	Must correspond to an even number of rows

Example: HP 8505 K16-1/3 F3 T4P N2-1/3 TAB2 D3 D4P is a 8505 Solid Top belt, made of dark grey acetal, width 16-1/3", 3" high flights on every 4th row at 2-1/3" from the sides, no sideguards and 2 rows of tabs with a distance in-between of 3" on every 4th row.

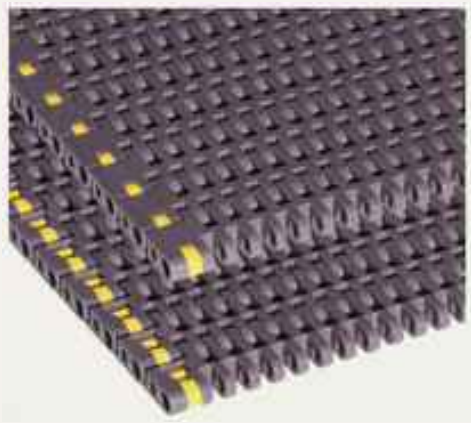


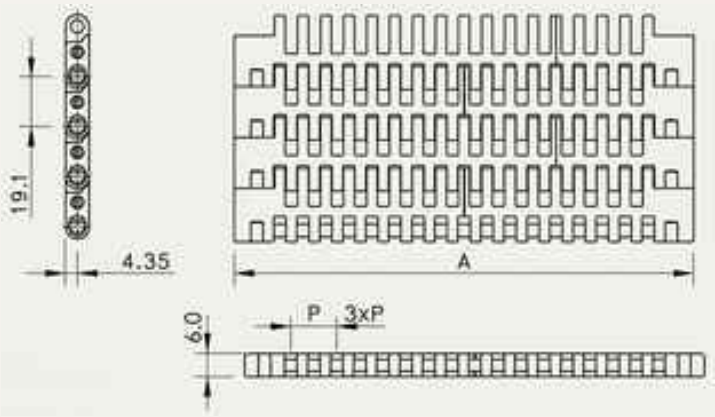


REXNORD

8500-SERIES

PERFORATED TOP 8505





BELT PITCH, PIN DIAMETER, BELT WIDTH (A) AND THICKNESS IN MM

BELT DATA

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH POLYPROPYLENE PINS							
Standard	HP 8505	I8506HPKxx	-40 to +80	-40 to +65	29000	8.89	25
DTS Left/Positrack	HP8505DTS-4.5IN_MTW_PT_LH	10028436	-40 to +80	-40 to +65	29000	8.89	25
DTS Right/Positrack	HP8505DTS-4.5IN_MTW_PT_RH	10028437	-40 to +80	-40 to +65	29000	8.89	25
WHT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	WHT 8506	I8506WHTKxx	5 to 105	5 to 105	16000	5.96	25
FRPLUS - HIGH PERFORMANCE FLAME RETARDANT POLYMER - ACETAL PINS							
Standard	FRPLUS	I8505FRPLUSKxx	-18 to +82	-18 to +60	16000	9.67	25

** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 6", with 6" increments up to 120"; special widths begin at 2-1/3" with 1/3" increments. See also page 208.*

If you require flights, sideguards or tab guides, please describe the belt by choosing from the options listed in the **2nd column** of the table:

BELT DESCRIPTION OPTIONS

Material	HP or WHT or FRPLUS	
Belt type	8506	
Width (A)	K - xx IN	Belts with flights have a minimal width of 6"
Flights	F3 or F2 or F1	Standard height of 3", 2", 1" or special height in mm
Pitch between flights	T..P	Flights on every ..th row; with sideguards it must correspond to an even number of rows
Flight side-indent	N.. (in inches)	Minimal 1-1/3" with 1/3" increments; in case of sideguards indents 1-1/2" or 2-1/4" only
Sideguards	S2IN / S3IN	Standard height of 3", 2" or 1"
Tab guides	TAB1 or TAB2	TAB1 is only one row; TAB2 is two rows
Distance between Tabs	D..	Minimal 3" with increments of 2/3"
Pitch between Tabs	D..P	Must correspond to an even number of rows

Example: WHT 8506 K7.50 SG2 N1-1/2 is a 8506 Perforated Top belt, made of white Polypropylene, width 7.5", 2" high sideguards at 1-1/2" from the sides. No flights, tab guides and DTS.



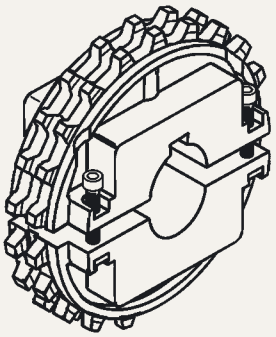
REXNORD

8500-SERIES

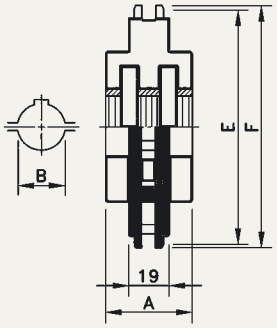
SPLIT SPROCKETS & CLASSIC SPROCKETS



SPLIT SPROCKET



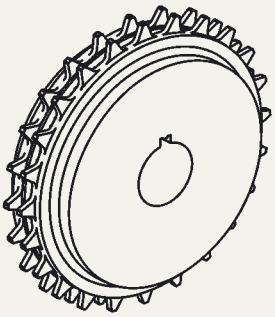
SPLIT SPROCKET – EXPLODED VIEW



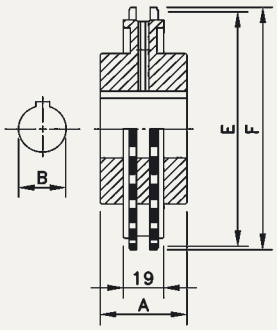
SPLIT SPROCKET DIMENSIONS B, E, F, A (19 MM TOOTH SECTION)



CLASSIC SPROCKET



CLASSIC SPROCKET



CLASSIC SPROCKET DIMENSIONS B, E, F, A (19 MM TOOTH SECTION)

SPLIT SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
ROUND BORES						
NS8500-17T_25MM_1KW_PA	10028670	17	25	104.7	105.4	39
NS8500-17T_30MM_1KW_PA	10028671	17	30	104.7	105.4	39
NS8500-17T_35MM_1KW_PA	10331962	17	35	104.7	105.4	39
NS8500-21T_25MM_1KW_PA	10028678	21	25	129.0	130.0	39
NS8500-21T_30MM_1KW_PA	10028679	21	30	129.0	130.0	39
NS8500-21T_35MM_1KW_PA	10331963	21	35	129.0	130.0	39
NS8500-21T_40MM_1KW_PA	10028680	21	40	129.0	130.0	39
NS8500-24T_25MM_1KW_PA	10028695	24	25	147.3	148.3	39
NS8500-24T_30MM_1KW_PA	10028696	24	30	147.3	148.3	39
NS8500-24T_35MM_1KW_PA	10331959	24	35	147.3	148.3	39
NS8500-25T_25MM_1KW_PA	10028707	25	25	153.4	154.7	39
NS8500-25T_30MM_1KW_PA	10019777	25	30	153.4	154.7	39
NS8500-25T_35MM_1KW_PA	10331960	25	35	153.4	154.7	39
SQUARE BORES						
NS8500-17T_25MM_S_PA	10331199	17	25	104.7	105.4	39
NS8500-17T_30MM_S_PA	10331599	17	30	104.7	105.4	39
NS8500-17T_35MM_S_PA	10370600	17	35	104.7	105.4	39
NS8500-21T_25MM_S_PA	10331200	21	25	129.0	130.0	39
NS8500-21T_40MM_S_PA	10028681	21	40	129.0	130.0	39

Box Order Quantity is 10 pieces.

REXNORD

8500-SERIES (CONT.)

SPLIT SPROCKETS (CONT.)

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
NS8500-21T_60MM_S_PA	10187289	21	60	129.0	130.0	39
NS8500-24T_25MM_S_PA	10331201	24	25	147.3	148.3	39
NS8500-24T_35MM_S_PA	10376561	24	35	147.3	148.3	39
NS8500-25T_25MM_S_PA	10331202	25	25	153.4	154.7	39
NS8500-25T_30MM_S_PA	10331602	25	30	153.4	154.7	39
NS8500-25T_35MM_S_PA	10370601	25	35	153.4	154.7	39

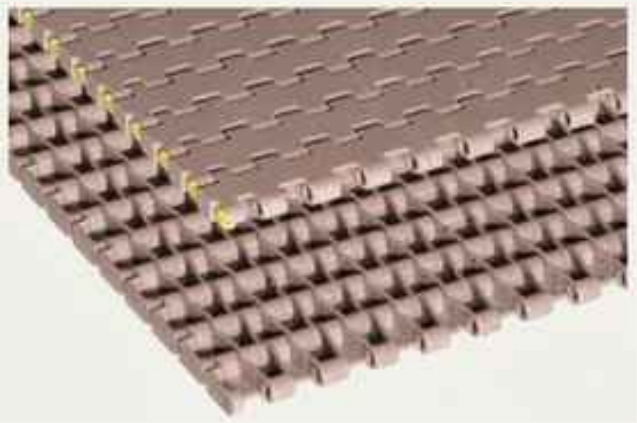
CLASSIC SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
ROUND BORES						
KU8500-24T_30MM_1KW_PA	10071597	24	30	147.3	148.3	35
KU8500-25T_50MM_1KW_PA	10332943	25	50	153.4	154.7	35
SQUARE BORES						
KU8500-17T_40MM_1KW_PA	10332361	17	40	104.7	105.4	35
KU8500-25T_40MM_1KW_PA	10332363	25	40	153.4	154.7	35

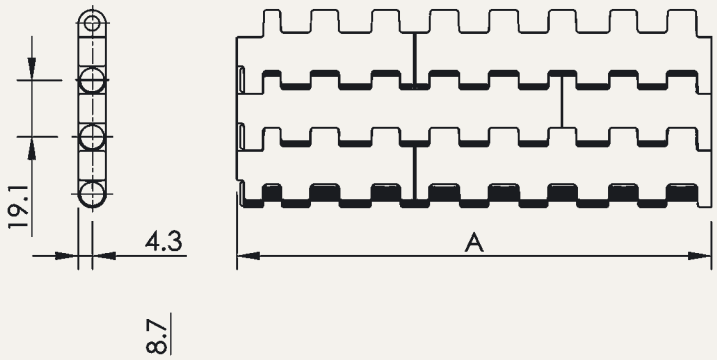
REXNORD

5930-SERIES

SOLID TOP 5935 & PERFORATED TOP 5936



SOLID TOP 5935 BELT



SOLID TOP 5935 – PITCH 19.1 MM, PIN CENTRE 4.3 MM, BELT THICKNESS 8.7 MM, BELT WIDTH A

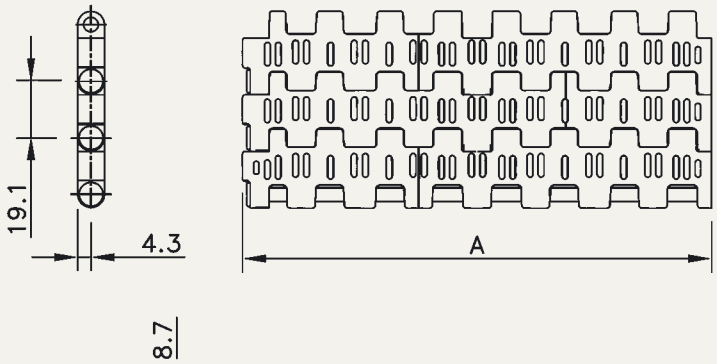
SOLID TOP 5935

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH POLYESTER PINS							
Standard	HP 5935	I5935HPKxx	-40 to +80	-40 to +65	13000	6.35	25
Standard	HP 5935 K24		-40 to +80	-40 to +65	13000	6.35	25
Standard	HP 5935 K48		-40 to +80	-40 to +65	13000	6.35	25
Standard	HP 5935 K96		-40 to +80	-40 to +65	13000	6.35	25
LF-ACETAL WITH POLYPROPYLENE PINS							
Standard	LF 5935	I5935LFKxx	+4 to +80	-40 to +65	13000	6.35	25
HT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	HT 5935	I5935HTKxx	+4 to +104	+4 to +104	7000	4.92	25
FRPLUS – HIGH PERFORMANCE FLAME RETARDANT POLYMER WITH ACETAL PINS							
Standard	FRPLUS 5935	I5935FRPLUS	-18 to +82	-18 to +60	7000	6.99	25

** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 9" with 3" increments up to 120"; special widths begin at 3" with ¾" increments.*



PERFORATED TOP 5936 BELT



PERFORATED TOP 5936 – PITCH 19.1 MM, PIN CENTRE 4.3 MM, BELT THICKNESS 8.7 MM, BELT WIDTH A

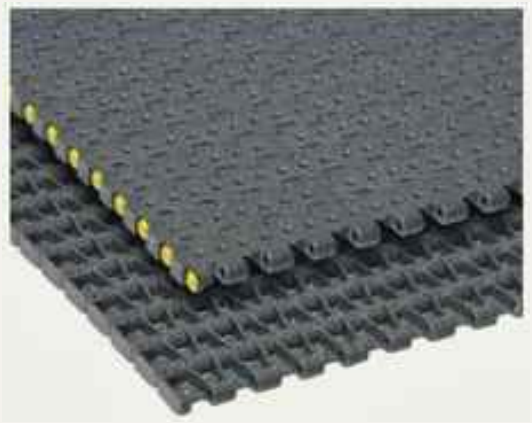
PERFORATED TOP 5936

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH POLYESTER PINS							
Standard	HP 5936	I5936HPKxx	-40 to +80	-40 to +65	13000	5.90	25
Standard	HP 5936 K24	I5936HP653743	-40 to +80	-40 to +65	13000	5.90	25

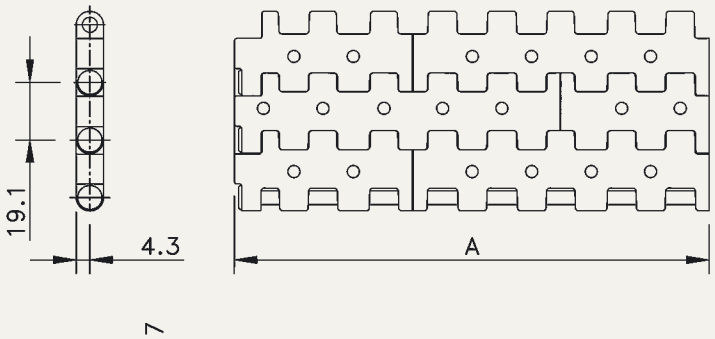
REXNORD

5930-SERIES

VACUUM TOP 5935



VACUUM TOP 5935 BELT

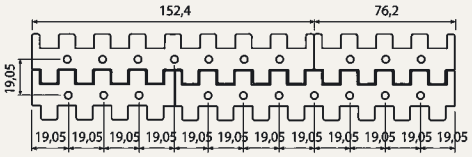


VACUUM TOP 5935 – PITCH 19.1 MM, PIN CENTRE 4.3 MM, BELT THICKNESS 8.7 MM, BELT WIDTH A

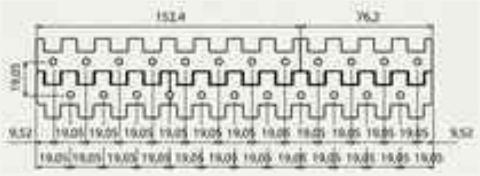
VACUUM TOP 5935

ASSEMBLY	BELT TYPE	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
		DRY	WET	N/M (21°C)	KG/M²	MM
HP-ACETAL WITH POLYPROPYLENE PINS						
Standard	HP 5935 V	-40 to +80	-40 to +65	13000	6.35	25
LF-ACETAL WITH POLYPROPYLENE PINS						
Standard	LF 5935 V	-40 to +80	-40 to +65	13000	6.35	25
HT-POLYPROPYLENE WITH POLYPROPYLENE PINS						
Standard	HT 5935 V	5 to 105	5 to 105	7000	4.92	25
FRPLUS – HIGH PERFORMANCE FLAME RETARDANT POLYMER – ACETAL PINS						
Standard	FRPLUS 5935 V	-18 to +82	-18 to +60	7000	6.93	25

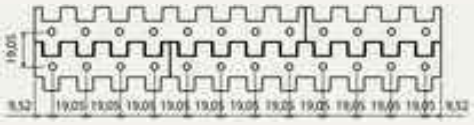
As the patterns of the holes will be made to order, these belts will be supplied upon request.



VERSION E7 (HOLES IN LINE) – HOLES DIAMETER 3,2 - 4 - 5,1 MM; MODULE 152,4 + 76,2 MM, HOLE PITCH 19,05 MM



VERSION E78 (HOLES IN "DIAMOND" PATTERN) – HOLES DIAMETER 3,2 - 4 - 5,1 MM; MODULE 152,4 + 76,2 MM, HOLE PITCH 19,05 MM, OFFSET 9,52 MM



VERSION E8 (HOLES IN LINE) – HOLES DIAMETER 3,2 - 4 - 5,1 MM; MODULE 152,4 + 76,2 MM, HOLE PITCH 19,05 MM, OFFSET 9,52 MM

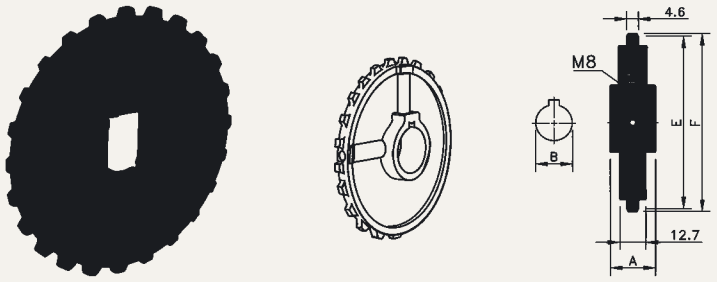
HOLE DIAMETER		HOLE SPACING		HOLES PER MODULE	OPEN AREA
IN	MM	IN	MM		
1/8	3.18	3/8	9.53	15	6.2%
1/8	3.18	3/4	19.05	8	4.3%
9/64	3.57	3/4	19.05	8	4.9%
9/64	3.57	3/8	9.53	15	7.3%
5/32	3.97	3/4	19.05	8	5.5%
3/16	4.76	3/4	19.05	8	7.0%
7/32	5.56	3/4	19.05	8	8.8%
1/4	6.35	3/4	19.05	8	10.8%

Standard hole sizes listed per 6 in (152.4 mm) module. All vacuum holes are centered on the chain.

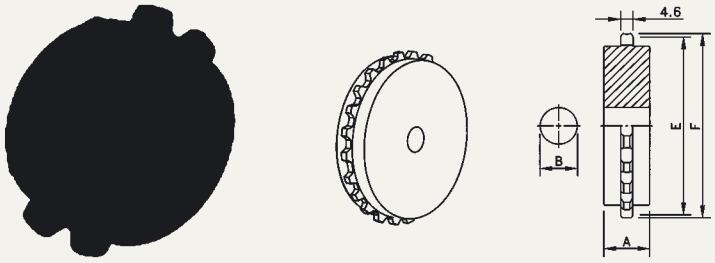
REXNORD

5930-SERIES

CLASSIC AND SPLIT SPROCKETS



CLASSIC SPROCKETS MOULDED

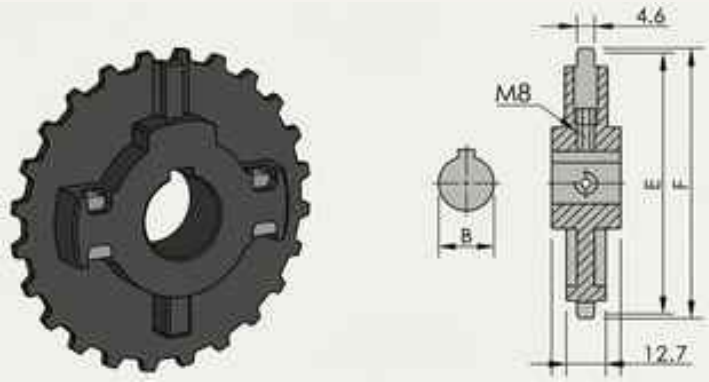


CLASSIC SPROCKETS MACHINED

CLASSIC SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B (MM)	PITCH DIAMETER E (MM)	OUTSIDE DIAMETER F (MM)	HUB WIDTH A (MM)
CLASSIC SPROCKETS INJECTION MOULDED						
ROUND BORES						
N5936-10T_25MM_1KW2SS_POM	10028485	10	25	62.2	63.5	25
N5936-24T_25MM_1KW2SS_POM	10028491	24	25	147.3	149.2	25
N5936-24T_30MM_1KW2SS_POM	10028492	24	30	147.3	149.2	25
N5936-24T_35MM_1KW2SS_POM	10333740	24	35	147.3	149.2	25
N5936-24T_40MM_1KW2SS_POM	10028493	24	40	147.3	149.2	25
SQUARE BORES						
N5936-24T_40MM_S_POM	10013547	24	40	147.3	149.2	25
N5936-24T_50MM_S_POM	10013549	24	50	147.3	149.2	25
N5936-24T_65MM_S_POM	10013551	24	65	147.3	149.2	25
N5936-25T_40MM_S_POM	10027394	25	40	153.4	156.2	25
N5936-25T_65MM_S_POM	10027396	25	65	153.4	156.2	25

Box Order Quantity is 10 pieces.



SPLIT SPROCKETS MOULDED

SPLIT SPROCKETS MOULDED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B (MM)	PITCH DIAMETER E (MM)	OUTSIDE DIAMETER F (MM)	HUB WIDTH A (MM)
SPLIT SPROCKETS INJECTION MOULDED						
ROUND BORES						
NS5936-24T_25MM_1KW_PA	10334028	24	25	147.3	149.2	25
NS5936-24T_30MM_1KW_PA	10334029	24	30	147.3	149.2	25
NS5936-24T_35MM_1KW_PA	10334030	24	35	147.3	149.2	25
NS5936-24T_40MM_1KW_PA	10202084	24	40	147.3	149.2	25
SQUARE BORES						
NS5936-24T_40MM_S_PA	10333806	24	40	147.3	149.2	25

Box Order Quantity is 10 pieces.

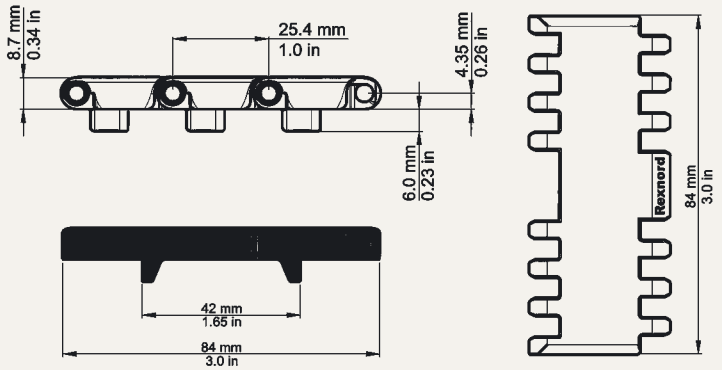
REXNORD

1001-SERIES

FLATTOP 1001-84MM



FLATTOP 1001-84MM



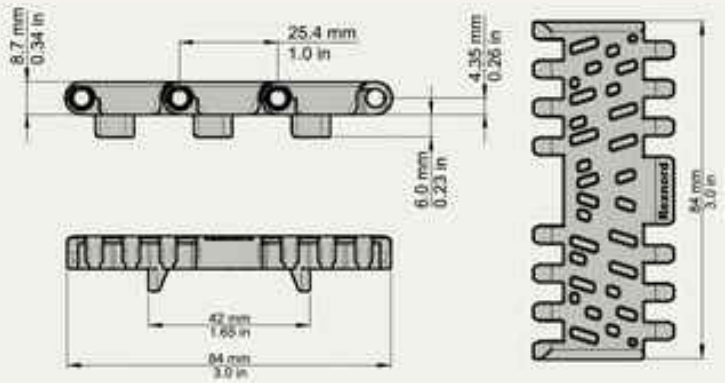
FLATTOP 1001-84MM BELT DIMENSIONS

REXNORD 1001-84MM SERIES FLATTOP CHAIN MATERIAL OVERVIEW

CHAIN TYPE	MATERIAL	CODE NUMBER	WORKING LOAD (MAX)	WEIGHT	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C	
			N/M / LBS	KG/M / LBS/FT	MM / IN	DRY	WET
DRY-PT1001FT-84MM_MTW PT-1DP	DRY-PT	10522806	337 / 1500	0.40 / 0.59	1.00 / 25.4	4 to 80	4 to 65
PSX1001FT-84MM_MTW_PT-1DP	PSX	10522807	337 / 1500	0.40 / 0.59	1.00 / 25.4	4 to 80	4 to 65
XLG1001FT-84MM_MTW_PT-1DP	XLG	10522808	337 / 1500	0.40 / 0.59	1.00 / 25.4	4 to 80	4 to 65
DKA1001FT-84MM_MTW_PT-1DP	DKA	10522795	337 / 1500	0.40 / 0.59	1.00 / 25.4	4 to 80	4 to 65
GLA1001FT-84MM_MTW_PT	GLA	10803387	337 / 1500	0.40 / 0.59	1.00 / 25.4	-18 to 60	-18 to 60



FLUSH GRID 1001-84MM



FLUSH GRID 1001-84MM BELT DIMENSIONS

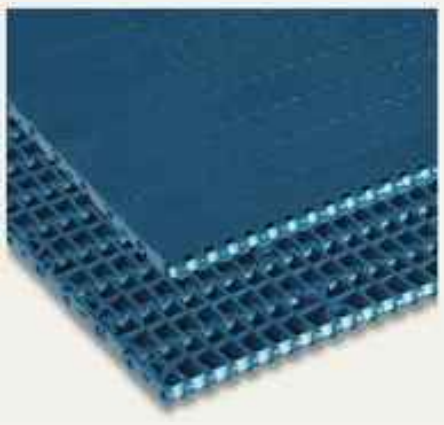
REXNORD 1001-84MM SERIES FLUSH GRID CHAIN MATERIAL OVERVIEW

CHAIN TYPE	MATERIAL	CODE NUMBER	WORKING LOAD (MAX)	WEIGHT	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C	
			N/M / LBS	KG/M / LBS/FT	MM / IN	DRY	WET
DRY-PT1001FG-84MM_MTW PT-1DP	DRY-PT	10522829	337 / 1500	0.38 / 0.57	1.00 / 25.4	4 to 80	4 to 65
PSX1001FG-84MM_MTW_PT-1DP	PSX	10522830	337 / 1500	0.38 / 0.57	1.00 / 25.4	4 to 80	4 to 65
XLG1001FG-84MM_MTW_PT-1DP	XLG	10522831	337 / 1500	0.38 / 0.57	1.00 / 25.4	4 to 80	4 to 65
HP1001FG-84MM_MTW_PT-1DP	HP	10522834	337 / 1500	0.38 / 0.57	1.00 / 25.4	4 to 80	4 to 65
DKA1001FG-84MM_MTW_PT-1DP	DKA	10522828	337 / 1500	0.38 / 0.57	1.00 / 25.4	4 to 80	4 to 65

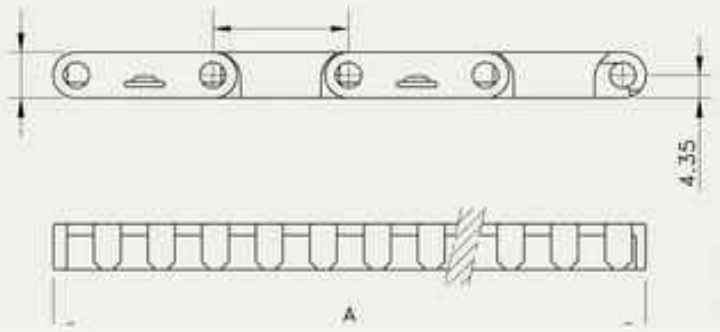
REXNORD

1000-SERIES

FLATTOP 1000



FLATTOP 1000 BELT



FLATTOP 1000 BELT DIMENSIONS

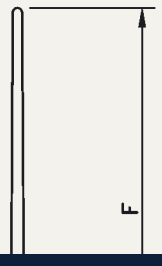
FLATTOP 1000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH POLYPROPYLENE PINS (84 HAS PBT PINS)							
Standard	FT 1000 XLG	817.30.xx	-40 to +82	-40 to +66	22000	6.50	25
Double positrack	FTDP 1000 XLG	873.27.xx	-40 to +82	-40 to +66	22000	6.50	25
Positrack 2 sides, freeflow 1 side	FFTP 1000 XLG 2xP	873.07.xx	-40 to +82	-40 to +66	22000	6.50	25
ADVANCED PERFORMANCE POLYMER ALLOY WITH PBT PINS							
Standard	FT 1000 PSX	873.78.xx	-30 to +80	up to 65	22000	6.50	25
Double positrack	FTDP 1000 PSX	873.79.xx	-30 to +80	up to 65	22000	6.50	25
Positrack 2 sides, freeflow 1 side	FFTP 1000 PSX 2xP	873.82.xx	-30 to +80	up to 65	22000	6.50	25
WHT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	WHT 1000 FT	811.80.xx	4 to 104	4 to 104	11000	4.30	25
DRY-PT ADVANCED PERFORMANCE POLYMER ALLOY WITH PBT PINS							
Standard	FT 1000 DRY-PT	DRYPT1000FT	-30 to 80	up to 65	22000	6.50	25
Double positrack	FTDP 1000 DRY-PT	DRYPT1000FT	-30 to 80	up to 65	22000	6.50	25

** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on with 85 mm increments, or optionally 5 mm, up to 6120 mm; see also page 208. If you need flights, describe the belt by choosing from the required options listed in the 2nd column of the table:*

Material	XLG, PSX, WHT or DRY-PT	
Belt type	1000 FT or 1000 FTDP	(Double) Positrack not possible for WLT, BLT and WHT
Width (A)	F3IN or F2IN or F1IN	Belts with flights have a minimal width of 130 mm with 10 mm increments
Flights	F3 or F2 or F1	Standard height of 3", 2", 1" or special height in mm
Pitch between flights	T..P	Flights on every ..th row (must correspond to an even number of rows)
Flight side-indent	N.. (in mm)	Minimal 40 mm with 5 mm increments

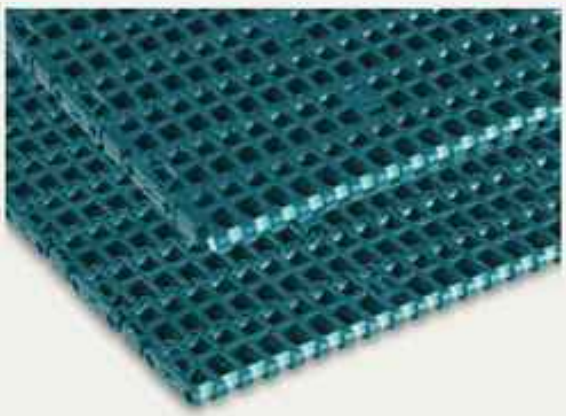
Example: WSM1000FT-430MM_F50MM_T6P_N45MM_PT-1DP is a 1000 Flat Top belt with Double Positrack, made of white acetal, special width 430 mm, special 50 mm high flights on every 6th row at 45 mm from the sides



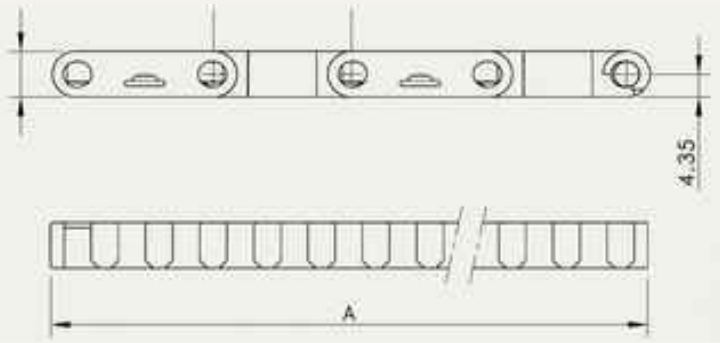
REXNORD

1000-SERIES

FLUSH GRID 1000



FLUSH GRID 1000 BELT



FLUSH GRID 1000 BELT DIMENSIONS

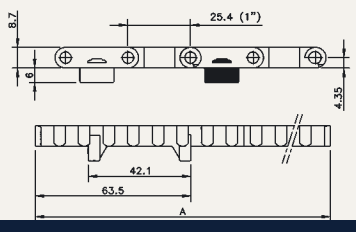
FLUSH GRID 1000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH POLYPROPYLENE PINS (84 HAS PBT PINS)							
Standard	FG 1000 XLG	817.40.xx	-40 to +82	-40 to +66	22000	5.40	25
Double Positrack	FGDP 1000 XLG	874.43.xx	-40 to +82	-40 to +66	22000	5.40	25
Positrack 1 side, freeflow 1 side	FFGP 1000 XLG 1xP	874.08.xx	-40 to +82	-40 to +66	22000	5.40	25
Positrack 2 sides, freeflow 1 side	FFGP 1000 XLG 2xP	874.07.xx	-40 to +82	-40 to +66	22000	5.40	25
ADVANCED PERFORMANCE POLYMER ALLOY WITH PBT PINS							
Standard	FG 1000 PSX	874.63.xx	-30 to +80	up to 65	22000	5.40	25
Double Positrack	FGDP 1000 PSX	874.64.xx	-30 to +80	up to 65	22000	5.40	25
Positrack 1 side, freeflow 1 side	FFGP 1000 PSX 1xP	874.68.xx	-30 to +80	up to 65	22000	5.40	25
Positrack 2 sides, freeflow 1 side	FFGP 1000 PSX 2xP	874.69.xx	-30 to +80	up to 65	22000	5.40	25
WHT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	WHT 1000 FG	811.90.xx	4 to 104	4 to 104	11000	3.50	25
BHT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	BHT 1000 FG	810.08.xx	4 to 104	4 to 104	11000	3.50	25

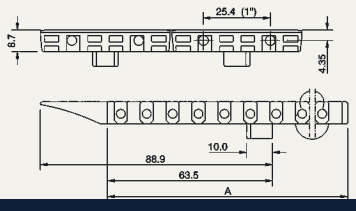
** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on with 85 mm increments, or optionally 5 mm, up to 6120 mm.*
If you need flights, describe the belt by choosing from the required options listed in the 2nd column of the table:

Material	XLG, PSX, WHT or BHT	
Belt type	1000 FG or 1000 FGDP	(Double) Positrack not possible for WLT, BLT, WHT, BHT and SMB
Width (A)	F3IN or F2IN or F1IN	Belts with flights have a minimal width of 130 mm with 10 mm increments
Flights	F3 or F2 or F1	Standard height of 3", 2", 1" or special height in mm
Pitch between flights	T..P	Flights on every ..th row (must correspond to an even number of rows)
Flight side-indent	N.. (in mm)	Minimal 40 mm with 5 mm increments





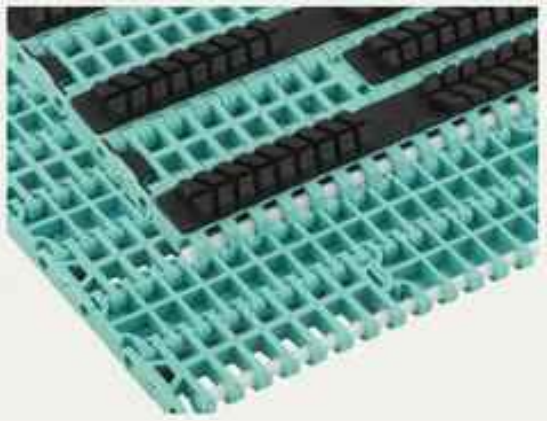




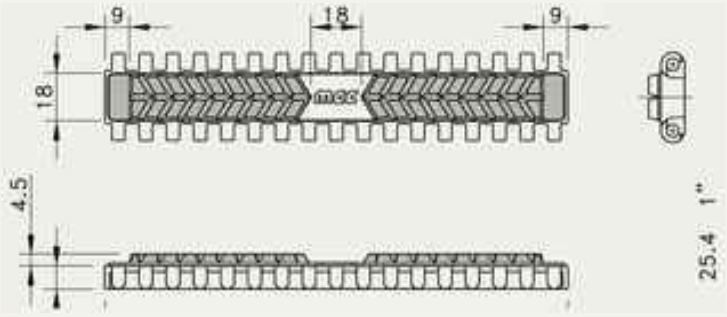
REXNORD

1000-SERIES

SUPERGRIP 1000



SUPERGRIP 1000 BELT SURFACE



SUPERGRIP 1000 BELT DIMENSIONS – PITCH 25.4 (1"), 18 AND 9 MM MODULE SPACING, 4.5 AND 8.7 MM THICKNESS, WIDTH A

SUPERGRIP 1000

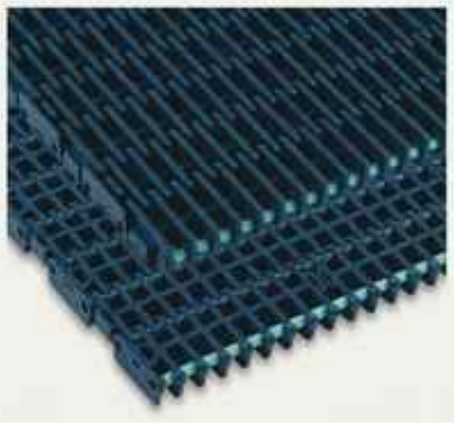
ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A MM	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET	WORKING LOAD (MAX.) N/M (21°C)	WEIGHT KG/M²	BACKFLEX RADIUS (MIN.) MM
XLG-ACETAL WITH POLYPROPYLENE PINS								
Standard	SG 1000 XLG 170	875.30.11	170	4 to 65	4 to 65	19000	7.34	30
Standard	SG 1000 XLG 255	875.30.12	255	4 to 65	4 to 65	19000	7.70	30
Standard	SG 1000 XLG 340	875.30.13	340	4 to 65	4 to 65	19000	7.88	30
Standard	SG 1000 XLG 425	875.30.14	425	4 to 65	4 to 65	19000	7.99	30
Standard	SG 1000 XLG 510	875.30.15	510	4 to 65	4 to 65	19000	8.06	30
Standard	SG 1000 XLG 595	875.30.16	595	4 to 65	4 to 65	19000	8.12	30
Standard	SG 1000 XLG 680	875.30.17	680	4 to 65	4 to 65	19000	8.16	30
Double positrack	SGDP 1000 XLG 170	875.59.11	170	4 to 65	4 to 65	19000	7.34	30
Double positrack	SGDP 1000 XLG 255	875.59.12	255	4 to 65	4 to 65	19000	7.70	30
Double positrack	SGDP 1000 XLG 340	875.59.13	340	4 to 65	4 to 65	19000	7.88	30
Double positrack	SGDP 1000 XLG 425	875.59.14	425	4 to 65	4 to 65	19000	7.99	30
Double positrack	SGDP 1000 XLG 510	875.59.15	510	4 to 65	4 to 65	19000	8.06	30
Double positrack	SGDP 1000 XLG 595	875.59.16	595	4 to 65	4 to 65	19000	8.12	30
Double positrack	SGDP 1000 XLG 680	875.59.17	680	4 to 65	4 to 65	19000	8.16	30
WHT-POLYPROPYLENE WITH PBT PINS								
Standard	SG 1000 WHT 255	875.25.12	255	4 to 104	4 to 104	11000	5.33	30
Standard	SG 1000 WHT 340	875.25.13	340	4 to 104	4 to 104	11000	5.50	30
Standard	SG 1000 WHT 425	875.25.14	425	4 to 104	4 to 104	11000	5.60	30
Standard	SG 1000 WHT 510	875.25.15	510	4 to 104	4 to 104	11000	5.66	30
Standard	SG 1000 WHT 595	875.25.16	595	4 to 104	4 to 104	11000	5.71	30
Standard	SG 1000 WHT 680	875.25.17	680	4 to 104	4 to 104	11000	5.75	30

Special widths begin at 85 mm with 5 mm increments. Wider belts are available upon request.
Standard 100% rubber; other percentages can be supplied upon request.

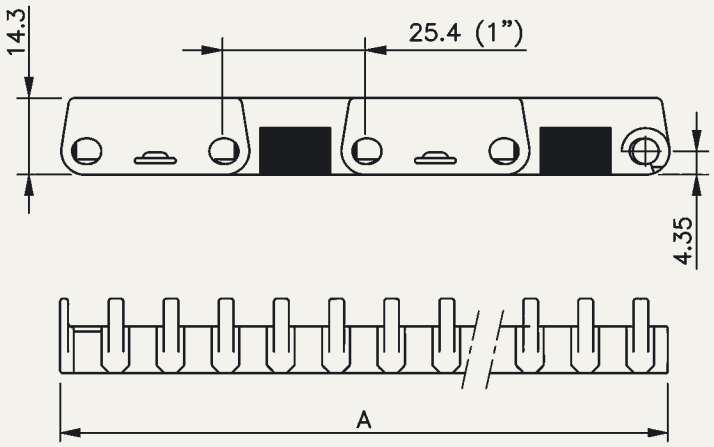
REXNORD

1000-SERIES

RAISED RIB 1000



RAISED RIB 1000 BELT SURFACE



RAISED RIB 1000 BELT DIMENSIONS – 14.3 MM HEIGHT, 25.4 MM (1") PITCH, 4.35 MM, WIDTH A

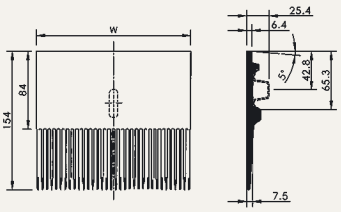
RAISED RIB 1000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH POLYPROPYLENE PINS							
Standard	XLG1000RR	817.10.xx	4 to 80	4 to 65	22000	7.95	50

** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on with 85 mm increments, up to 6120 mm; see also page 208. Special widths begin at 85 mm with 5 mm increments.*



FINGERPLATE RAISED RIB



FINGERPLATE DIMENSIONS – WIDTH W, LENGTH 154 MM, SECTION DETAIL

FINGERPLATES RAISED RIB

TYPE	CODE NUMBER	WEIGHT	WIDTH W	LENGTH
		KG	MM	MM
XLG-ACETAL				
TRAN PLT COMB XLG1000 154X170MM	10146446	0.14	168	154
TRAN PLT COMB XLG1000 154X85MM	10146445	0.07	83	154

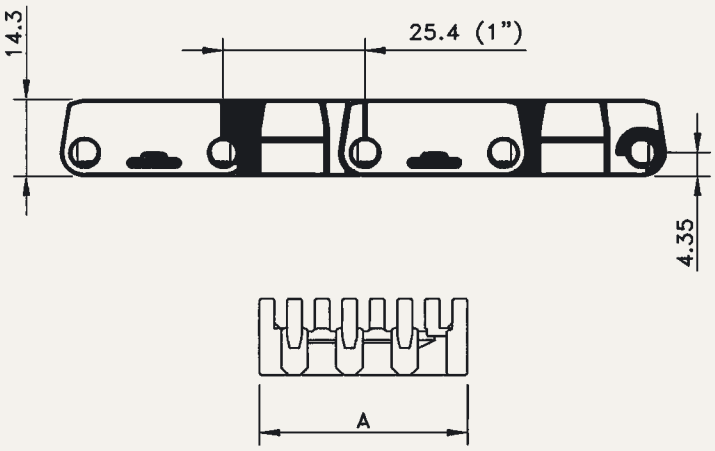
REXNORD

1000-SERIES

RAISED RIB 1000 NARROW



RAISED RIB 1000 NARROW BELT



RAISED RIB 1000 NARROW DIMENSIONS – 14.3 MM HEIGHT, 25.4 MM (1") PITCH, 4.35 MM, WIDTH A

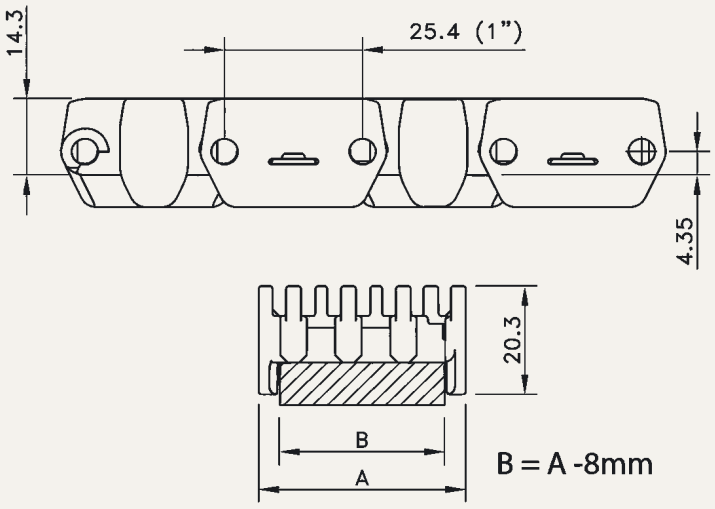
RAISED RIB 1000 NARROW

ASSEMBLY	BELT TYPE	CODE NUMBER	WIDTH A MM	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET	WORKING LOAD (MAX.) N/M (21°C)	WEIGHT KG/M²	BACKFLEX RADIUS (MIN.) MM
XLG-ACETAL WITH PBT PINS								
Standard	XLG1000RR-28MM_MTW	10147974	28	-30 to +80	up to 65	400	0.35	50
Standard	XLG1000RR-38MM_MTW	10147972	38	-30 to +80	up to 65	400	0.39	50
Standard	XLG1000RR-48MM_MTW	10147973	48	-30 to +80	up to 65	600	0.48	50

Standard length: 6.096 m - 20 feet.



RAISED RIB 1000 RAILTRACK NARROW BELT



RAISED RIB 1000 RAILTRACK NARROW DIMENSIONS – 14.3 MM HEIGHT, 25.4 MM (1") PITCH, 4.35 MM, RIB HEIGHT 20.3 MM, WIDTH A WITH B = A - 8 MM

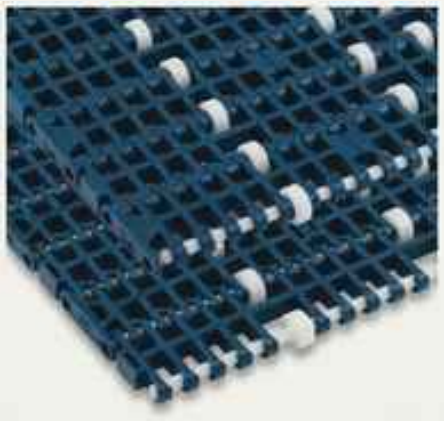
RAISED RIB 1000 RAILTRACK NARROW

ASSEMBLY	BELT TYPE	CODE NUMBER	WIDTH A MM	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET	WORKING LOAD (MAX.) N/M (21°C)	WEIGHT KG/M²	BACKFLEX RADIUS (MIN.) MM
XLG-ACETAL WITH PBT PINS								
Standard	XLG1000RRR-28MM_MTW	10147971	28	-30 to +80	up to 65	200	0.33	50
Standard	XLG1000RRR-38MM_MTW	10147968	38	-30 to +80	up to 65	400	0.43	50
Standard	XLG1000RRR-48MM_MTW	10147969	48	-30 to +80	up to 65	600	0.53	50

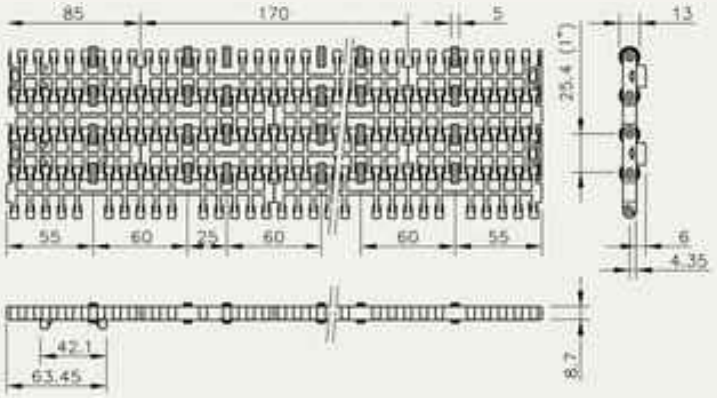
REXNORD

1000-SERIES

LBP 1000



LBP 1000 BELT SURFACE



LBP 1000 BELT DIMENSIONS – 85, 170 AND 5 MM MODULE SPACING, 55/60/25 MM PITCHES, 25.4 MM (1"), 4.35, 6, 8.7, 42.1 AND 63.45 MM, WIDTH A

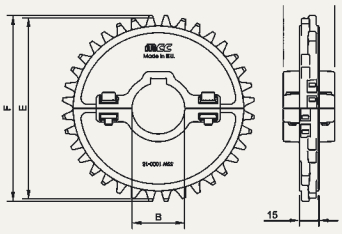
LBP 1000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH PBT PINS							
Double Positrack	LBPDP 1000 XLG	874.47.xx	4 to 80	4 to 65	19400	5.40	25

** In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on with 85 mm increments up to 6120 mm; see also page 211.*



SPLIT SPROCKET, WIDE HUB



SPLIT SPROCKET DIMENSIONS – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A

SPLIT SPROCKETS WIDE HUB

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B	PITCH DIAMETER E	OUTSIDE DIAMETER F	HUB WIDTH A
			MM/INCH	MM	MM	MM
ROUND BORES						
NS1000-16T_30MM_1KW_PA	10017957	16	30 mm	130.2	130.6	39
NS1000-16T_35MM_1KW_PA	10027358	16	35 mm	130.2	130.6	39
NS1000-16T_40MM_1KW_PA	10017956	16	40 mm	130.2	130.6	39
NS1000-18T_30MM_1KW_PA	10017960	18	30 mm	146.3	146.8	39
NS1000-18T_35MM_1KW_PA	10027359	18	35 mm	146.3	146.8	39
NS1000-18T_40MM_1KW_PA	10017959	18	40 mm	146.3	146.8	39
NS1000-20T_30MM_1KW_PA	10027360	20	30 mm	162.4	163.1	39
NS1000-20T_35MM_1KW_PA	10017965	20	35 mm	162.4	163.1	39
NS1000-20T_40MM_1KW_PA	10017966	20	40 mm	162.4	163.1	39
NS1000-20T_1-1/2IN_1KW_PA	10017967	20	1.5"	162.4	163.1	39

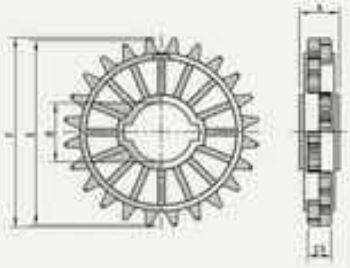
REXNORD

1000-SERIES

CLASSIC SPROCKETS



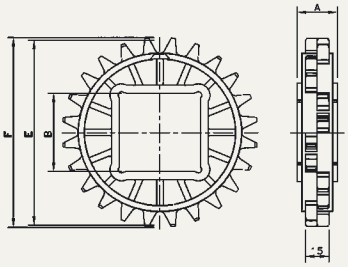
CLASSIC SPROCKET



CLASSIC SPROCKET – ROUND BORE



CLASSIC SPROCKET FOR HUMID, HOT APPLICATIONS LIKE PASTEURIZING



CLASSIC SPROCKET – SQUARE BORE

CLASSIC SPROCKETS

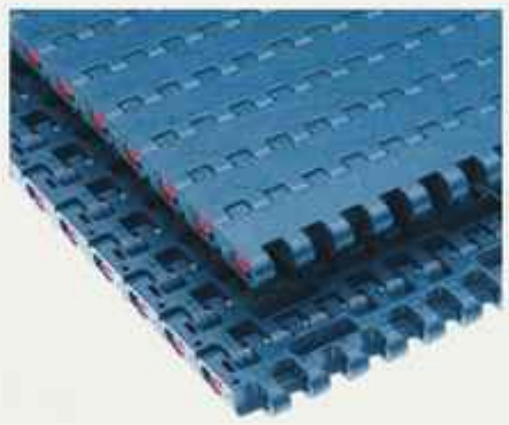
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B (MM/INCH)	PITCH DIAMETER E (MM)	OUTSIDE DIAMETER F (MM)	HUB WIDTH A (MM)
ROUND BORES						
N1000-12T_30MM_2KW_PA	10334262	12	30 mm	98.1	96.5	20
N1000-12T_40MM_2KW_PA	10334263	12	40 mm	98.1	96.5	20
N1000-18T_30MM_2KW_PA	10148154	18	30 mm	146.3	145.9	20
N1000-18T_40MM_2KW_PA	10148153	18	40 mm	146.3	145.9	20
N1000-18T_50MM_2KW_PA	10334271	18	50 mm	146.3	145.9	20
N1000-20T_35MM_2KW_PA	10334279	20	35 mm	162.4	161.7	20
N1000-20T_40MM_2KW_PA	10334280	20	40 mm	162.4	161.7	20
N1000-20T_50MM_2KW_PA	10148159	20	50 mm	162.4	161.7	20
SQUARE BORES						
N1000-18T_40MM_S_PA	10148155	18	40 mm	146.3	145.9	20
N1000-18T_60MM_S_PA	10334274	18	60 mm	146.3	145.9	30
N1000-20T_40MM_S_PA	10148160	20	40 mm	162.4	161.7	20
N1000-20T_60MM_S_PA	10334283	20	60 mm	162.4	161.7	30
CLASSIC SPROCKETS FOR HUMID, HOT APPLICATIONS LIKE PASTEURIZING						
SQUARE BORES						
N1000-12T_40MM_S_POM	10148119	12	40 mm	98.1	96.5	20
N1000-18T_40MM_S_POM	10148120	18	40 mm	146.3	145.9	20
N1000-20T_40MM_S_POM	10334276	20	40 mm	162.4	161.7	20

Box Order Quantity is 10 pieces.

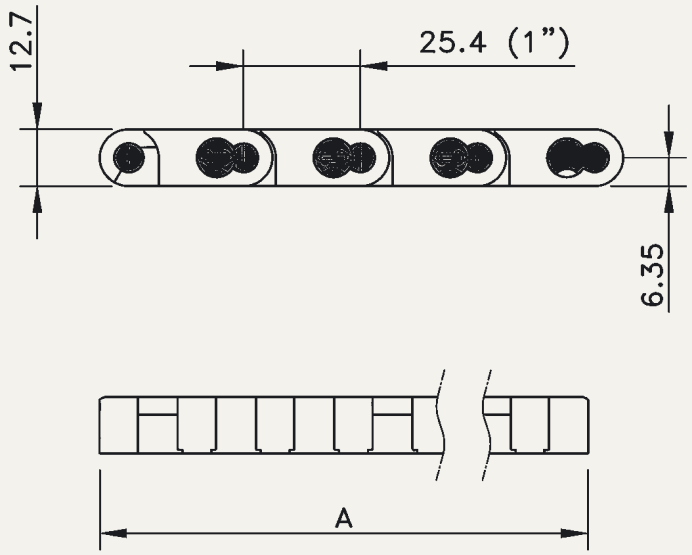
REXNORD

1005-SERIES

FLATTOP® 1005



FLATTOP 1005 BELT



FLATTOP 1005 BELT DIMENSIONS – PITCH 25.4 (1"), THICKNESS 12.7, PIN 6.35 MM; BELT WIDTH A

FLATTOP® 1005

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)			
			DRY	WET				N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH PBT PINS										
Standard	FT 1005 XLG	877.00.xx	-40 to +80	up to 65	35000	13.50	25			
Double positrack	FTDP 1005 XLG	877.01.xx	-40 to +80	up to 65	35000	13.50	25			
Double positrack, freeflow	FFTDP 1005 XLG	877.02.xx	-40 to +80	up to 65	35000	13.50	25			
Mould to width (MTW)	FT 1005 XLG K450 MTW	877.00.00	-40 to +80	up to 65	35000	13.50	25			
MTW double positrack	FTDP 1005 XLG K450 MTW	877.01.00	-40 to +80	up to 65	35000	13.50	25			
PSX ADVANCED PERFORMANCE POLYMER ALLOY WITH PBT PINS										
Standard	FT 1005 PSX	877.25.xx	-40 to +80	up to 65	35000	13.50	25			
Double positrack	FTDP 1005 PSX	877.26.xx	-40 to +80	up to 65	35000	13.50	25			
BWX-POLYAMIDE COMPOSITE WITH PBT PINS										
Standard	FT 1005 BWX	877.27.xx	-40 to +80	not recommended	35000	13.50	25			
Double positrack	FTDP 1005 BWX	877.28.xx	-40 to +80	not recommended	35000	13.50	25			
Mould to width (MTW)	FT 1005 BWX K450 MTW	877.14.00	-40 to +80	not recommended	35000	13.50	25			
MTW double positrack	FTDP 1005 BWX K450 MTW	877.15.00	-40 to +80	not recommended	35000	13.50	25			

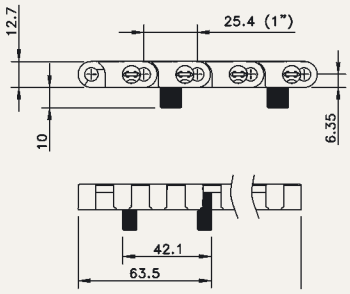
** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on in steps of 85 mm up to 6120 mm.*
Other sizes upon request. See page 208 for all code numbers.

REXNORD

1005-SERIES (CONT.)



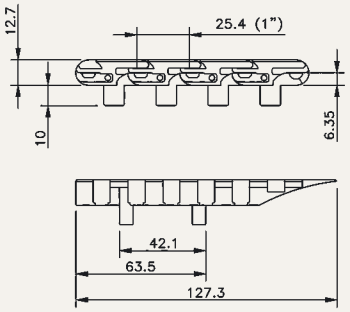
FLAT TOP 1005 HEAVY DUTY BELT WITH INTEGRATED FREEFLOW



FLAT TOP 1005 WITH FREEFLOW – 12.7 THICK, 25.4 (1") PITCH, 6.35 PIN, 10 LUG; LUG SPACING 42.1 AND 63.5, BELT WIDTH A

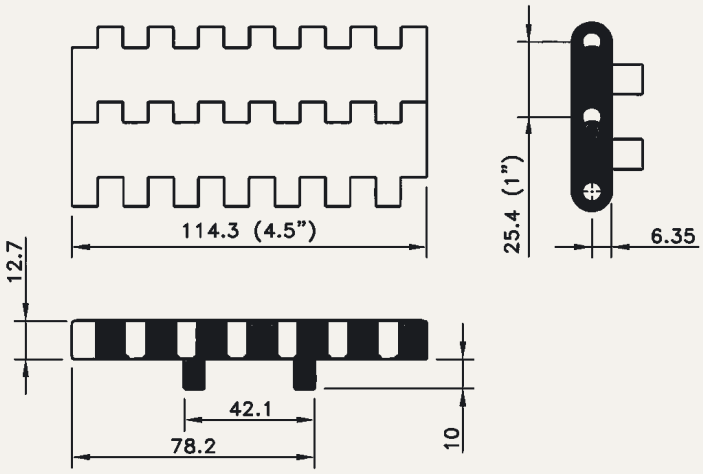


FLAT TOP 1005 HEAVY DUTY BELT WITH POSITRACK



FLAT TOP 1005 WITH POSITRACK – 12.7 THICK, 25.4 (1") PITCH, 6.35 PIN, 10 LUG; LUG SPACING 42.1 AND 63.5, OVERALL 127.3

The double Positrack lugs are positioned on one side of the belt for precise transfer possibilities.

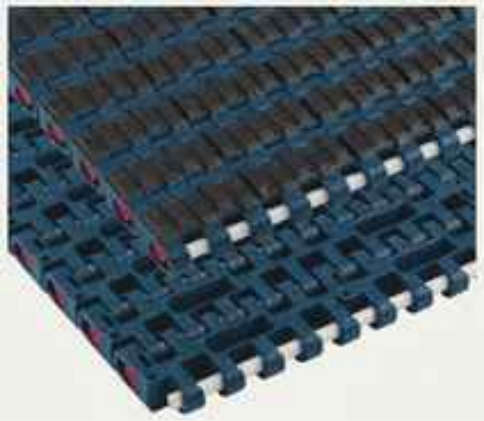


1005 BELT MOULD TO WIDTH WITH DOUBLE POSITRACK – WIDTH 114.3 (4.5"), PITCH 25.4 (1"), PIN 6.35, THICKNESS 12.7, LUG SPACING 42.1 AND 78.2, LUG HEIGHT 10

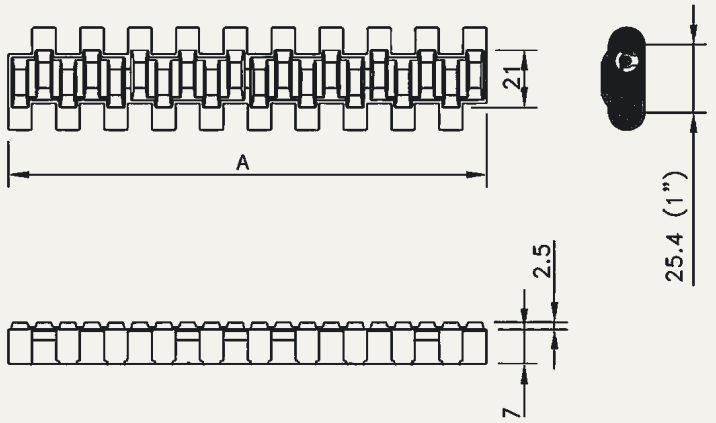
REXNORD

1005-SERIES

SUPERGRIP 1005



SUPERGRIP 1005 BELT

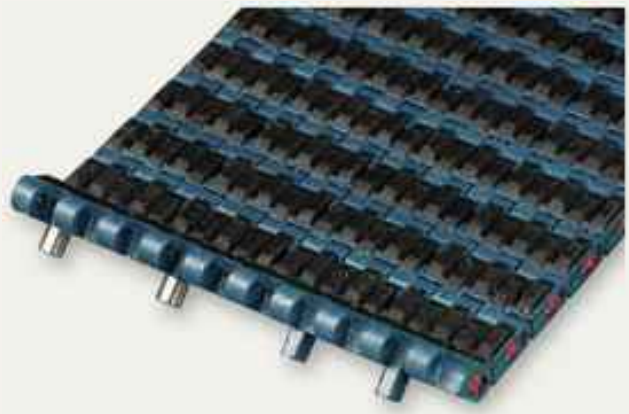


SUPERGRIP 1005 DIMENSIONS – BELT WIDTH A, RUBBER PAD HEIGHT 21, THICKNESS 12.7, TOP 2.5, PITCH 25.4 (1")

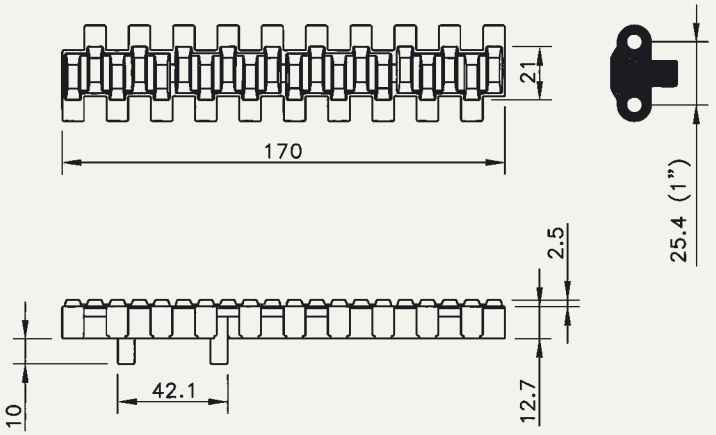
SUPERGRIP 1005

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET			
					N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH PBT PINS							
Standard	XLG1005SGS	877.50.xx	-40 to +65	up to +65	35000	14.00	25
Double Positrack	XLG1000SG-XXMM_PT-1DP	877.51.xx	-40 to +65	up to +65	35000	14.00	25

** In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on with 85 mm increments up to 6120 mm; see also page 208. Standard 100% rubber; other percentages and sizes on request.*



1005 SUPERGRIP BELT WITH DOUBLE POSITRACK ON ONE SIDE OF THE BELT

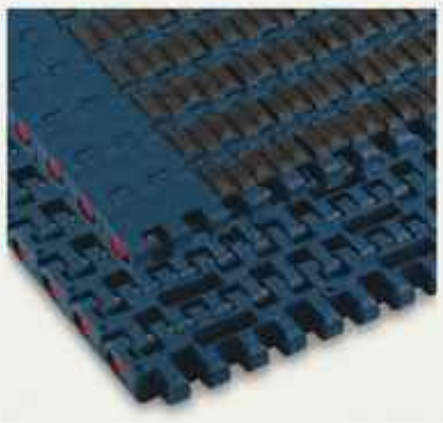


SUPERGRIP 1005 WITH DOUBLE POSITRACK – WIDTH 170, RUBBER PAD HEIGHT 21, TOP 2.5, THICKNESS 12.7, LUG HEIGHT 10, LUG SPACING 42.1, PITCH 25.4 (1")

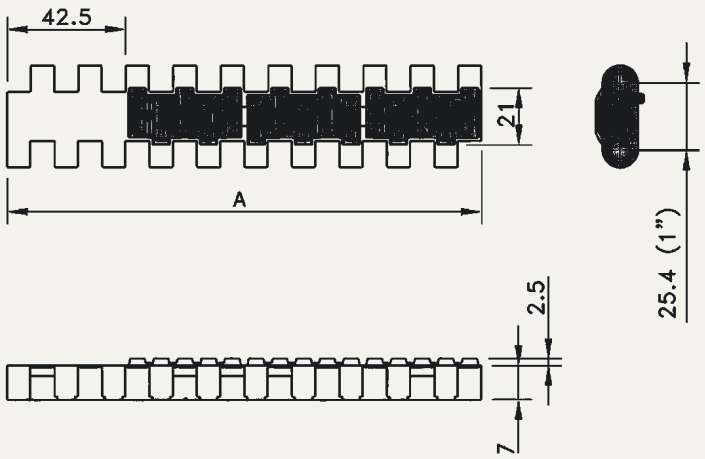
REXNORD

1005-SERIES

SUPERGRIP SIDE-INDENT 1005



SUPERGRIP SIDE-INDENT 1005 BELT



BELT DIMENSIONS: 42.5 INDENT PITCH, 21 RIB WIDTH, 25.4 (1") CHAIN PITCH, 12.7 BELT HEIGHT, 2.5 TOP PLATE

SUPERGRIP SIDE-INDENT 1005

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLG-ACETAL WITH PBT PINS							
Standard	XLG1005SGS	877.52.xx	-40 to +65	up to 65	35000	14.00	25
Double Positrack	XLG1000SG-XXMM_PT-1DP	877.53.xx	-40 to +65	up to 65	35000	14.00	25

** In code numbers xx corresponds with the belt width (A), starting with 12 for 255 mm, 13 for 340 mm and so on with 85 mm increments up to 6120 mm; see also page 208. Standard 100% rubber; other percentages and sizes on request.*
A center indent of 85 mm is possible from 765 mm belt width, with steps of 170 mm.

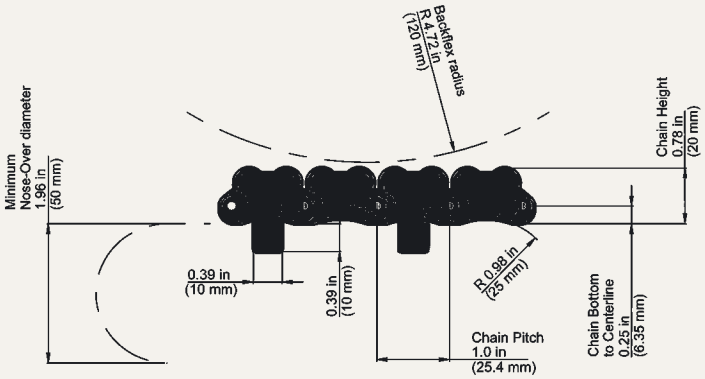
REXNORD

1005-SERIES

XLBP 1005



XLBP 1005 BELT



BELT CROSS-SECTION: MINIMUM NOSE-OVER DIAMETER 1.96 IN (50 MM), BACKFLEX RADIUS 4.72 IN (120 MM), CHAIN PITCH 1.0 IN (25.4 MM), CHAIN HEIGHT 0.78 IN (20 MM), CHAIN BOTTOM TO CENTERLINE 0.25 IN (6.35 MM), 0.39 IN (10 MM), R 0.98 IN (25 MM)

XLBP 1005

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XLA-ACETAL WITH PBT PINS							
Standard	XLA1005XLBP	877.29.xx	-40 to +80	1 to 65	14000	18	120
Double Positrack	XLA1005XLBP_MM_PT-L	877.30.xx	-40 to +80	1 to 65	14000	18	120

** In code numbers xx corresponds with the belt width (A), starting with 11 for 170 mm, 12 for 255 mm and so on in steps of 85 mm up to 6120 mm. Other sizes upon request. See page 208 for all code numbers.*

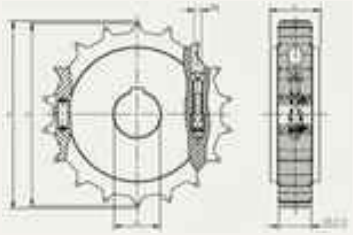
REXNORD

1005-SERIES

SPLIT SPROCKETS AND IDLERS – MACHINED & MOULDED



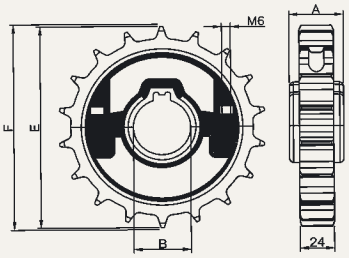
SPLIT SPROCKET, MACHINED



MACHINED SPLIT SPROCKET – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A, 25 (1")



SPLIT SPROCKET, MOULDED



MOULDED SPLIT SPROCKET – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A, M6 SET SCREW, 24

SPLIT SPROCKETS AND IDLERS MACHINED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPROCKETS WITH ROUND BORES						
KUS1005-18T_30MM_1KW_PA	10148133	18	30 mm	146.3	145.3	38
KUS1005-18T_40MM_1KW_PA	10148132	18	40 mm	146.3	145.3	38
KUS1005-21T_30MM_1KW_PA	10331515	21	30 mm	170.4	169.7	38
KUS1005-21T_40MM_1KW_PA	10332229	21	40 mm	170.4	169.7	38
KUS1005-18T_1IN_1KW_PA	10326649	18	1.0"	146.3	145.3	38
KUS1005-18T_1-1/2IN_1KW_PA	10148136	18	1.5"	146.3	145.3	38
KUS1005-21T_1IN_1KW_PA	10326647	21	1.0"	170.4	169.7	38
KUS1005-21T_1-1/2IN_1KW_PA	10326987	21	1.5"	170.4	169.7	38
IDLERS						
KUS1005-18T_30MM_I_PA	10148135	18	30 mm	146.3	145.3	38
KUS1005-18T_40MM_I_PA	10148134	18	40 mm	146.3	145.3	38
KUS1005-21T_30MM_I_PA	10331517	21	30 mm	170.4	169.7	38
KUS1005-21T_40MM_I_PA	10332231	21	40 mm	170.4	169.7	38
KUS1005-18T_1IN_I_PA	10326650	18	1.0"	146.3	145.3	38
KUS1005-18T_1-1/2IN_I_PA	10148138	18	1.5"	146.3	145.3	38
KUS1005-21T_1IN_I_PA	10326648	21	1.0"	170.4	169.7	38
KUS1005-21T_1-1/2IN_I_PA	10326988	21	1.5"	170.4	169.7	38
SPROCKETS WITH SQUARE BORES						
KUS1005-18T_40MM_S_PA	10148130	18	40 mm	146.3	145.3	38
KUS1005-21T_40MM_S_PA	10332228	21	40 mm	170.4	169.7	38
KUS1005-18T_1-1/2IN_S_PA	10148131	18	1.5"	146.3	145.3	38
KUS1005-21T_1-1/2IN_S_PA	10326943	21	1.5"	170.4	169.7	38

Split sprockets with keyways are 'tight fit' onto the shaft and can be used for belt widths up to 680 mm and temperature differences of max. 30°C. For wider belts or bigger temperature differences, square bores have to be used.

Square sprockets can be used on the drive- and on the idler shaft. They 'float' freely on the shaft.

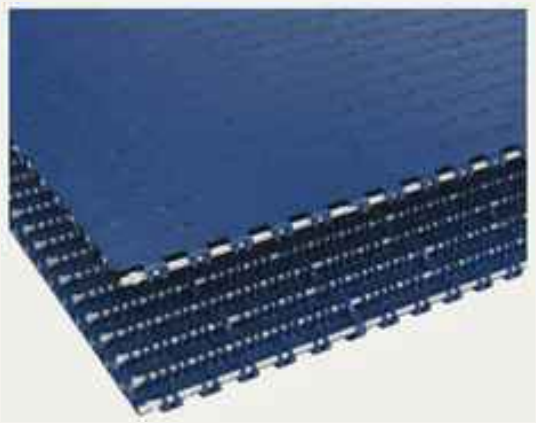
SPLIT SPROCKETS AND IDLERS MOULDED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPROCKETS						

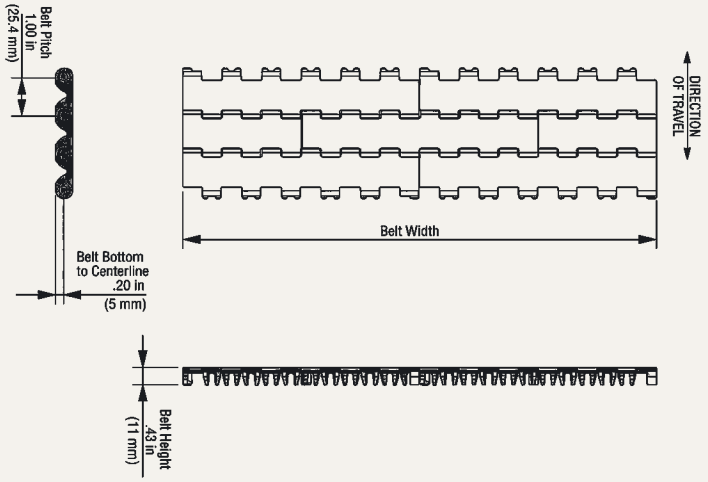
REXNORD

1010-SERIES

FLAT TOP 1015 & PERFORATED FLATTOP 1016



FLAT TOP 1015 BELT



1015 FLATTOP – BELT PITCH 1.00 IN (25.4 MM), BELT HEIGHT .43 IN (11 MM), BELT BOTTOM TO CENTERLINE .20 IN (5 MM), BELT WIDTH, DIRECTION OF TRAVEL

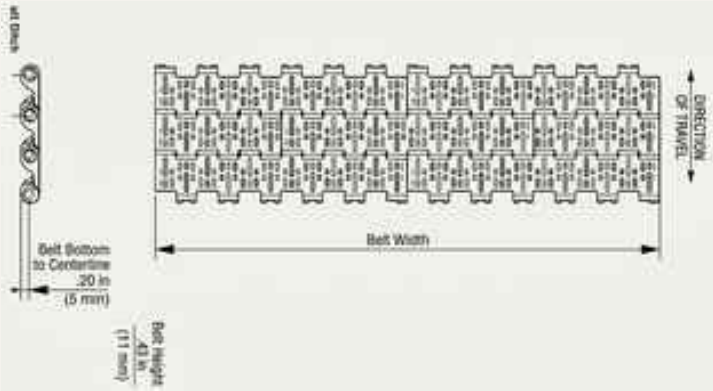
REXNORD 1015 SERIES KLEANTOP BELT OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX)	WEIGHT	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C	
			LBS/FT / N/M	LBS/FT / KG/M	IN / MM	DRY	WET
1015 FlatTop	WHT-BHT (Blue-White)	PBT	400 / 6.000	0.90 / 4.39	1.57 / 40	4 /104	4 / 100
1015 FlatTop	WLT-BLT (Blue-White)	PBT	350 / 5.000	0.98 / 4.78	1.57 / 40	-73 / 27	-73 / 27
1015 FlatTop	WSM (White)	PBT	800 / 12.000	1.44 / 7.03	1.57 / 40	-40 / 82	-40 / 66

PERFORATED FLATTOP 1016



PERFORATED FLATTOP 1016 BELT



1016 PERFORATED FLATTOP – BELT PITCH 1.00 IN (25.4 MM), BELT HEIGHT .43 IN (11 MM), BELT BOTTOM TO CENTERLINE .20 IN (5 MM), BELT WIDTH, DIRECTION OF TRAVEL

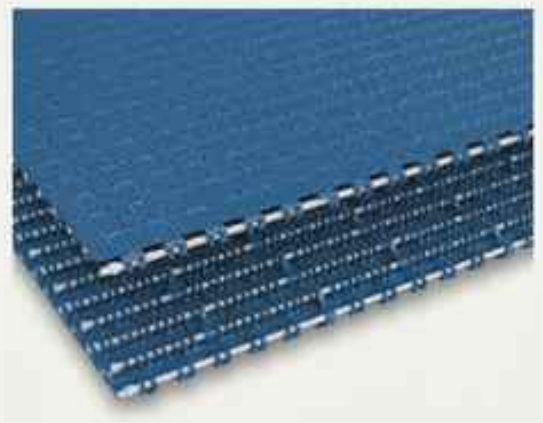
REXNORD 1016 SERIES KLEANTOP BELT OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX)	WEIGHT	BACKFLEX RADIUS (MIN)	TEMPERATURE RANGE °C	
			LBS/FT / N/M	LBS/FT / KG/M	IN / MM	DRY	WET
1016 Perforated FlatTop	WHT-BHT (Blue-White)	PBT	400 / 6.000	0.90 / 4.39	1.57 / 40	4 /104	4 / 100
1016 Perforated FlatTop	WLT-BLT (Blue-White)	PBT	350 / 5.000	0.98 / 4.78	1.57 / 40	-73 / 27	-73 / 27
1016 Perforated FlatTop	WSM (White)	PBT	800 / 12.000	1.44 / 7.03	1.57 / 40	-40 / 82	-40 / 66

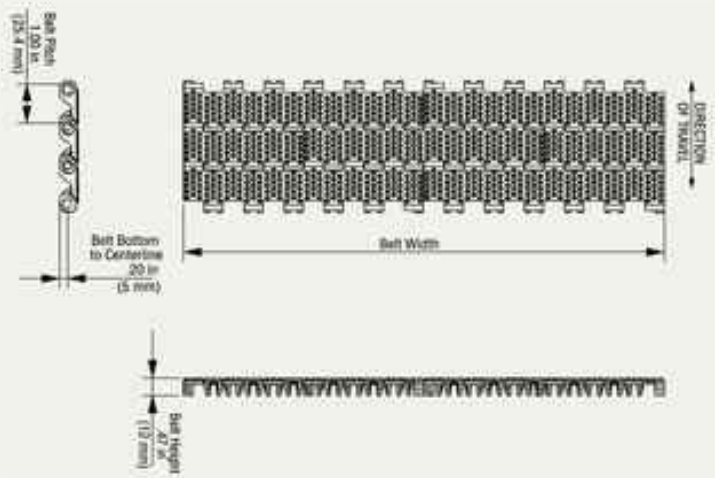
REXNORD

1010-SERIES

NUB TOP 1011



1011 NUB TOP BELT



1011 NUB TOP BELT DIMENSIONS – BELT PITCH 1.00 IN (25.4 MM), BELT BOTTOM TO CENTERLINE .20 IN (5 MM), BELT HEIGHT .47 IN (12 MM), BELT WIDTH, DIRECTION OF TRAVEL

REXNORD 1011 SERIES KLEANTOP BELT OVERVIEW

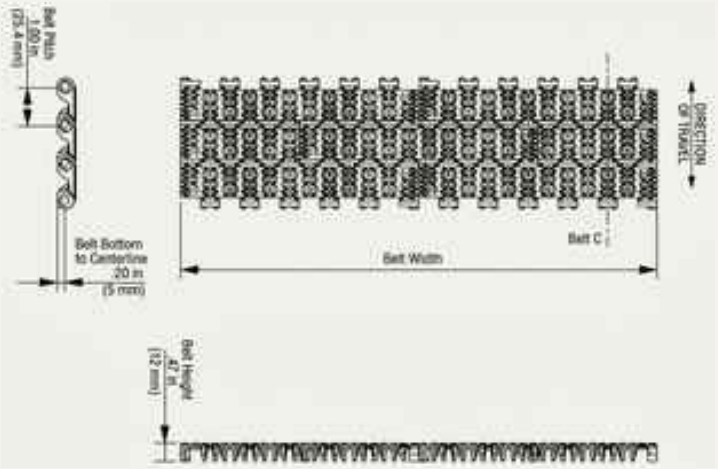
CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN) IN / MM	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET
1011 Nub Top	WHT-BHT (Blue-White)	PBT	400 / 6.000	0.90 / 4.39	1.57 / 40	4 / 104	4 / 100
1011 Nub Top	WLT-BLT (Blue-White)	PBT	350 / 5.000	0.98 / 4.78	1.57 / 40	-73 / 27	-73 / 27
1011 Nub Top	WSM (White)	PBT	800 / 12.000	1.44 / 7.03	1.57 / 40	-40 / 82	-40 / 66

Backflex Radius (min) 1.57 / 40 applies to all three materials.

PERFORATED NUB TOP 1018



1018 PERFORATED NUB TOP BELT



1018 PERFORATED NUB TOP BELT DIMENSIONS – BELT PITCH 1.00 IN (25.4 MM), BELT BOTTOM TO CENTERLINE .20 IN (5 MM), BELT HEIGHT .47 IN (12 MM), BELT WIDTH, DIRECTION OF TRAVEL

REXNORD 1018 SERIES KLEANTOP BELT OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT / KG/M	BACKFLEX RADIUS (MIN) IN / MM	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET
1018 Perforated Nub Top	WHT-BHT (Blue-White)	PBT	400 / 6.000	0.90 / 4.39	1.57 / 40	4 / 104	4 / 100
1018 Perforated Nub Top	WLT-BLT (Blue-White)	PBT	350 / 5.000	0.98 / 4.78	1.57 / 40	-73 / 27	-73 / 27
1018 Perforated Nub Top	WSM (White)	PBT	800 / 12.000	1.44 / 7.03	1.57 / 40	-40 / 82	-40 / 66

REXNORD

1010-SERIES

KU1010 KLEANTOP BELT SPROCKETS AND ACCESSORIES



REXNORD 1010 SERIES KLEANTOP BELT BI-DIRECTIONAL DRIVE SPROCKET KU1010



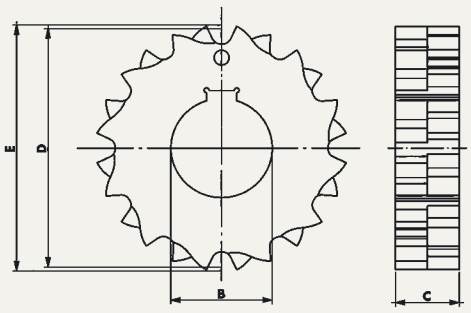
REXNORD 1010 SERIES KLEANTOP BELT UNI-DIRECTIONAL SPROCKET KU1010



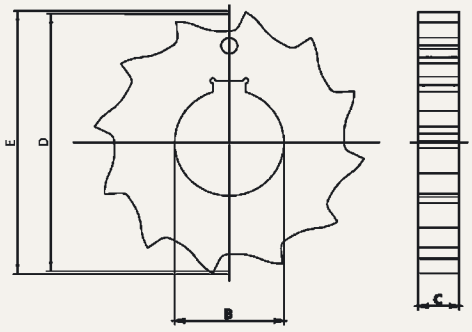
REXNORD 1010 SERIES KLEANTOP BELT IDLER SPROCKET KU1010

REXNORD 1010 SERIES KLEANTOP BELT SPROCKETS

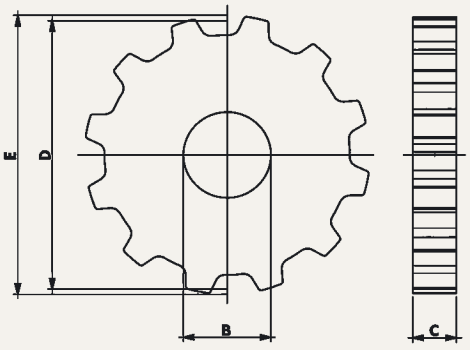
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	SHAFT SIZE B IN / MM	WIDTH C IN / MM	PITCH DIAMETER D IN / MM	OUTSIDE DIAMETER E IN / MM
REXNORD 1010 SERIES BI-DIRECTIONAL DRIVE						
KU1010-10T_40MM_S_UH	10362465	10	1.57 / 40	0.98 / 25	3.24 / 82.19	3.26 / 82.7
KU1010-12T_40MM_S_UH	10332056	12	1.57 / 40	0.98 / 25	3.86 / 98.09	3.89 / 98.9
REXNORD 1010 SERIES UNI-DIRECTIONAL DRIVE						
KU1010STR-10T_40MM_S_UH	10674758	10	1.57 / 40	0.59 / 15	3.24 / 82.19	3.26 / 82.7
KU1010STR-12T_40MM_S_UH	10674760	12	1.57 / 40	0.59 / 15	3.86 / 98.09	3.89 / 98.9
REXNORD 1010 SERIES IDLER						
KU1010STR-10T_30MM_I_UH	10685630	10	1.18 / 30	0.59 / 15	3.24 / 82.19	3.26 / 82.7
KU1010STR-12T_30MM_I_UH	10685632	12	1.18 / 30	0.59 / 15	3.86 / 98.09	3.89 / 98.9



REXNORD 1010 SERIES KLEANTOP BELT BI-DIRECTIONAL DRIVE SPROCKET KU1010 – B SHAFT SIZE, C WIDTH, D PITCH DIAMETER, E OUTSIDE DIAMETER



REXNORD 1010 SERIES KLEANTOP BELT UNI-DIRECTIONAL SPROCKET KU1010 – B SHAFT SIZE, C WIDTH, D PITCH DIAMETER, E OUTSIDE DIAMETER



REXNORD 1010 SERIES KLEANTOP BELT IDLER SPROCKET KU1010 – B SHAFT SIZE, C WIDTH, D PITCH DIAMETER, E OUTSIDE DIAMETER



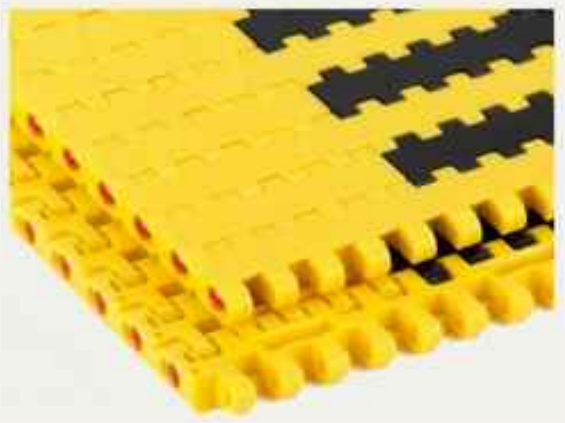




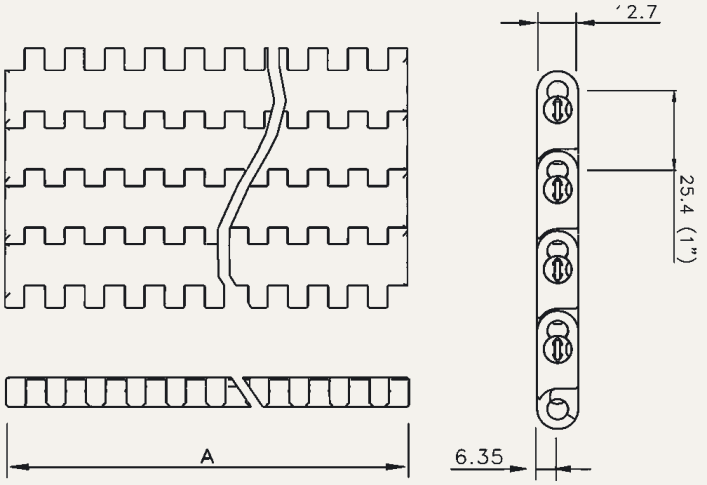
REXNORD

1020-SERIES

SOLID TOP 1025



SOLID TOP 1025 BELT



SOLID TOP 1025 BELT DIMENSIONS – A BELT WIDTH; PITCH 25.4 (1 IN); 12.7; 6.35

SOLID TOP 1025

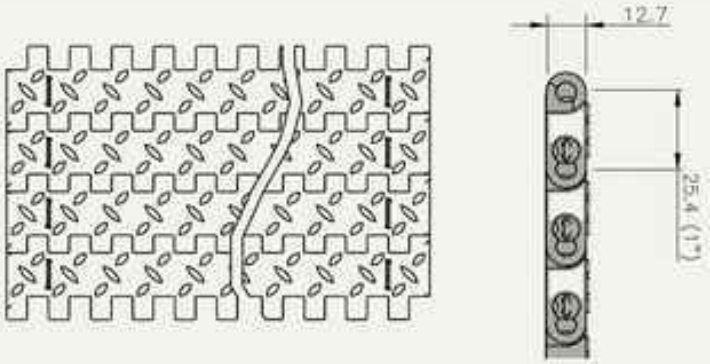
ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HCAS-ACETAL WITH PBT PINS							
Standard	HCAS1025	I1025HCASKXX	-18 to +80	-18 to +66	28000	13.50	25

** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on in steps of 85 mm up to 6120 mm.*
Other sizes upon request.

SAFETY TOP 1029



SAFETY TOP 1029 BELT



SAFETY TOP 1029 BELT DIMENSIONS – A BELT WIDTH; PITCH 25.4 (1 IN); 12.7; 6.35

SAFETY TOP 1029

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
HCAS-ACETAL WITH PBT PINS							
Standard	HCAS1029	I1029HCASKXX	-18 to +80	-18 to +82	28000	13.50	25

** In code numbers xx corresponds with the belt width (A), starting with 10 for 85 mm, 11 for 170 mm and so on in steps of 85 mm up to 6120 mm.*
Other sizes upon request.

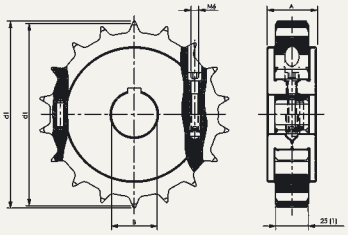
REXNORD

1020-SERIES

SPLIT SPROCKETS AND IDLERS – MACHINED AND MOULDED



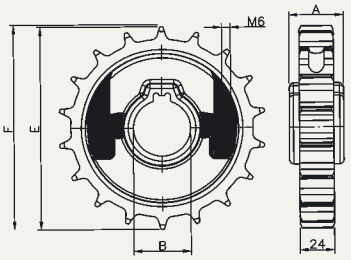
SPLIT SPROCKETS AND IDLERS MACHINED



SPLIT SPROCKETS AND IDLERS MACHINED – B BORE, E PITCH DIAMETER, F OUTSIDE DIAMETER, A HUB WIDTH, 25 (1 IN) PITCH



SPLIT SPROCKETS AND IDLERS MOULDED



SPLIT SPROCKETS AND IDLERS MOULDED – B BORE, E PITCH DIAMETER, F OUTSIDE DIAMETER, A HUB WIDTH, M6

SPLIT SPROCKETS AND IDLERS MACHINED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPROCKETS WITH ROUND BORES						
KUS1005-18T_30MM_1KW_PA	10148133	18	30 mm	146.3	145.3	38
KUS1005-18T_40MM_1KW_PA	10148132	18	40 mm	146.3	145.3	38
KUS1005-21T_30MM_1KW_PA	10331515	21	30 mm	170.4	169.7	38
KUS1005-21T_40MM_1KW_PA	10332229	21	40 mm	170.4	169.7	38
KUS1005-18T_1IN_1KW_PA	10326649	18	1.0″	146.3	145.3	38
KUS1005-18T_1-1/2IN_1KW_PA	10148136	18	1.5″	146.3	145.3	38
KUS1005-21T_1IN_1KW_PA	10326647	21	1.0″	170.4	169.7	38
KUS1005-21T_1-1/2IN_1KW_PA	10326987	21	1.5″	170.4	169.7	38
IDLERS						
KUS1005-18T_30MM_I_PA	10148135	18	30 mm	146.3	145.3	38
KUS1005-18T_40MM_I_PA	10148134	18	40 mm	146.3	145.3	38
KUS1005-21T_30MM_I_PA	10331517	21	30 mm	170.4	169.7	38
KUS1005-21T_40MM_I_PA	10332231	21	40 mm	170.4	169.7	38
KUS1005-18T_1IN_I_PA	10326650	18	1.0″	146.3	145.3	38
KUS1005-18T_1-1/2IN_I_PA	10148138	18	1.5″	146.3	145.3	38
KUS1005-21T_1IN_I_PA	10326648	21	1.0″	170.4	169.7	38
KUS1005-21T_1-1/2IN_I_PA	10326988	21	1.5″	170.4	169.7	38
SPROCKETS WITH SQUARE BORES						
KUS1005-18T_40MM_S_PA	10148130	18	40 mm	146.3	145.3	38
KUS1005-21T_40MM_S_PA	10332228	21	40 mm	170.4	169.7	38
KUS1005-18T_1-1/2IN_S_PA	10148131	18	1.5″	146.3	145.3	38
KUS1005-21T_1-1/2IN_S_PA	10326943	21	1.5″	170.4	169.7	38

Split sprockets with keyways are 'tight fit' onto the shaft and can be used for belt widths up to 680 mm and temperature differences of max. 30°C. For wider belts or bigger temperature differences, square bores have to be used.
Square sprockets can be used on the drive- and on the idler shaft. They 'float' freely on the shaft.

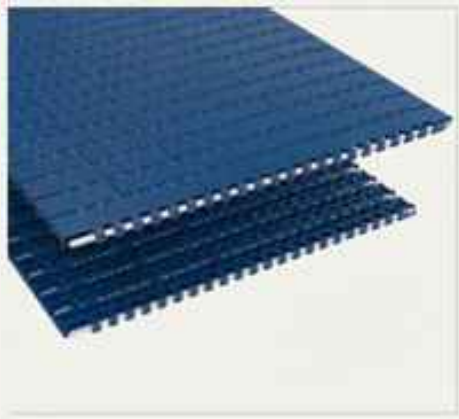
SPLIT SPROCKETS AND IDLERS MOULDED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPROCKETS						
NSH1005-13T_40MM_1KW_PA	10298197	13	40 mm	106,1	104,2	38
NSH1005-14T_40MM_1KW_PA	10298200	14	40 mm	114,1	112,5	38

REXNORD

1090-SERIES

FLAT TOP 1095



FLAT TOP 1095

REXNORD 1095 SERIES KLEANTOP BELT OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) N/M / LBS/FT	WEIGHT KG/M / LBS/FT	BACKFLEX RADIUS (MIN) MM / IN	TEMPERATURE RANGE °C DRY	WET
FlatTop 1095	SMB (Blue)	PBT	1.500 / 21.884	1.48 / 7.23	0.680 / 17.2	-40 /82	-40 / 66
FlatTop 1095	WHT (White)	PBT	900 / 13.130	0.95 / 4.64		4 / 104	4 / 100
FlatTop 1095	BHT (Blue)	PBT	900 / 13.130	0.95 / 4.64		4 / 104	4 / 100

Backflex radius 0.680 / 17.2 applies to all three belt materials.

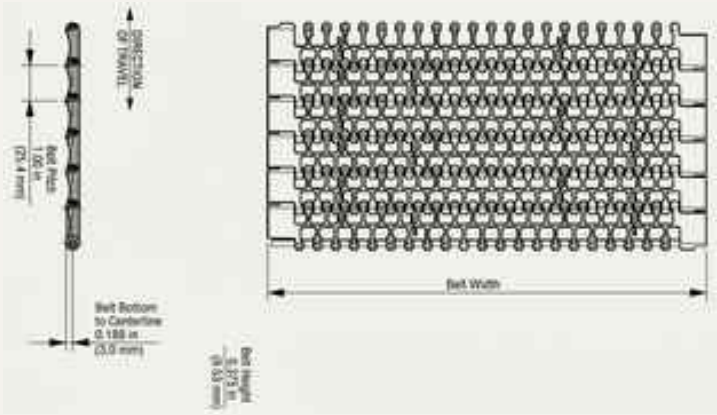
GENERAL INFORMATION:

› Plastic modular belt available in minimum width of four inches and increments of a half-inch

FLAT TOP 1096



FLAT TOP 1096



1096 BELT DIMENSIONS – BELT PITCH 1.00 IN (25.4 MM); BELT HEIGHT 0.375 IN (9.53 MM); BELT BOTTOM TO CENTERLINE 0.188 IN (3.0 MM); BELT WIDTH; DIRECTION OF TRAVEL

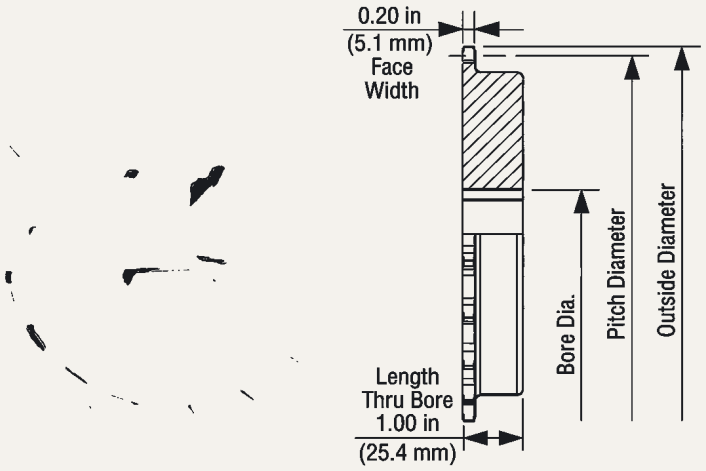
REXNORD 1096 SERIES KLEANTOP BELT MATERIAL OVERVIEW

CHAIN TYPE	MATERIAL	STANDARD PIN MATERIAL	WORKING LOAD (MAX) N/M / LBS/FT	WEIGHT KG/M / LBS/FT	BACKFLEX RADIUS (MIN) MM / IN	TEMPERATURE RANGE °C DRY	WET
Flush Grid 1096	SMB (Blue)	PBT	1.500 / 21.884	1.12 / 5.47	0.680 / 17.2	-40 /82	-40 / 66
Flush Grid 1096	WHT (White)	PBT	900 / 13.130	0.72 / 3.52		4 / 104	4 / 100
Flush Grid 1096	BHT (Blue)	PBT	900 / 13.130	0.72 / 3.52		4 / 104	4 / 100

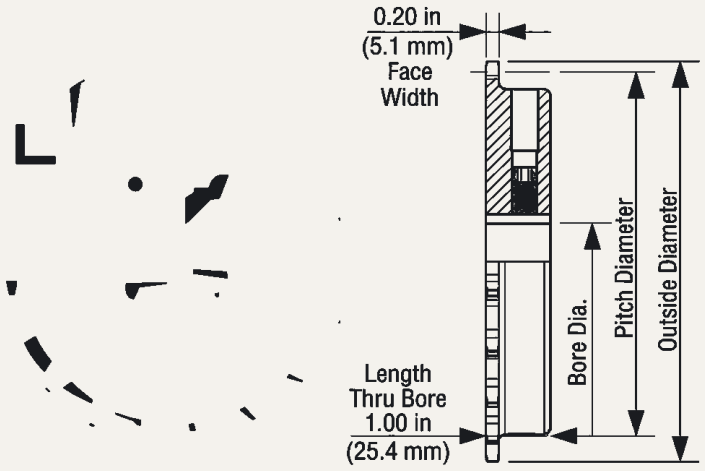
Backflex radius 0.680 / 17.2 applies to all three belt materials.

REXNORD

1090-SERIES



KU1090 THERMOPLASTIC SPROCKET – FACE WIDTH 0.20 IN (5.1 MM); LENGTH THRU BORE 1.00 IN (25.4 MM); BORE DIA.; PITCH DIAMETER; OUTSIDE DIAMETER



KUS1090 THERMOPLASTIC SPLIT SPROCKET – FACE WIDTH 0.20 IN (5.1 MM); LENGTH THRU BORE 1.00 IN (25.4 MM); BORE DIA.; PITCH DIAMETER; OUTSIDE DIAMETER

KU1090 THERMOPLASTIC SPROCKET INFORMATION

NUMBER OF TEETH		PITCH DIAMETER		OUTSIDE DIAMETER		BORE DIAMETER (SHAFT-READY) ROUND				BORE DIAMETER (SHAFT-READY) SQUARE				BORE DIAMETER (IDLER)				APPROXIMATE WEIGHT	
						IN		MM		IN		MM		IN		MM			
ACTUAL	EFFECT	IN	MM	IN	MM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LBS	KG
12T	12T	3.9	98.2	3.9	98	1	1-3/4	25	45	1	1-19/32	25	40	1	2-1/2	25	65	0.26	0.12
18T	18T	5.8	146.3	5.8	147.3	1	3-19/64	25	80	1	3	25	75	1	4-1/2	25	115	0.77	0.35
20T	20T	6.4	162.4	6.5	163.9	1	3-1/2	25	85	1	3-19/64	25	80	1	5	25	127	0.95	0.43

KUS1090 THERMOPLASTIC SPLIT SPROCKET INFORMATION

NUMBER OF TEETH		PITCH DIAMETER		OUTSIDE DIAMETER		BORE DIAMETER (SHAFT-READY) ROUND				BORE DIAMETER (SHAFT-READY) SQUARE				BORE DIAMETER (IDLER)				APPROXIMATE WEIGHT	
						IN		MM		IN		MM		IN		MM			
ACTUAL	EFFECT	IN	MM	IN	MM	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	LBS	KG
12T	12T	3.9	98.2	3.9	98	-	-	-	-	1	1.5	25	35	-	-	-	-	0.24	0.11
18T	18T	5.8	146.3	5.8	147.3	1	2-3/4	25	70	1	2.8	25	70	1	3-19/64	25	80	0.82	0.37
20T	20T	6.4	162.4	6.5	163.9	1	3	25	75	1	3.3	25	80	1	3-1/2	25	85	1.00	0.45

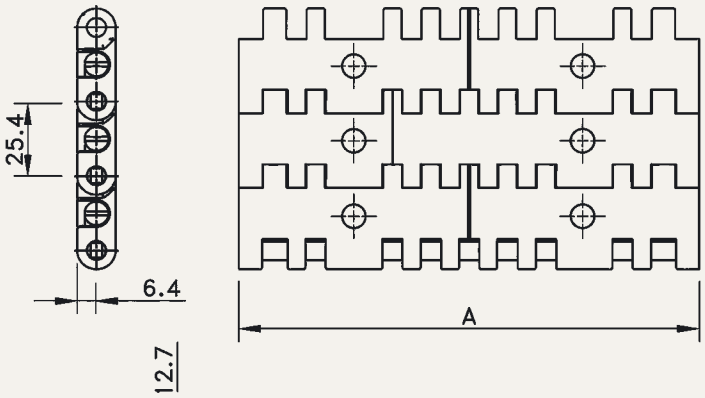
REXNORD

7700-SERIES UNI-CHAINS (AMMERAAL BELTECH)

SOLID TOP 7705



SOLID TOP 7705 BELT



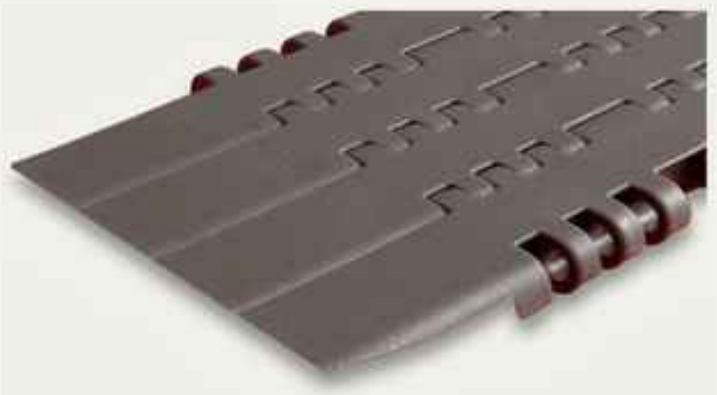
7705 BELT DIMENSIONS (MM) – PITCH 25.4, PIN 6.4, BELT HEIGHT 12.7, BELT WIDTH A

SOLID TOP 7705

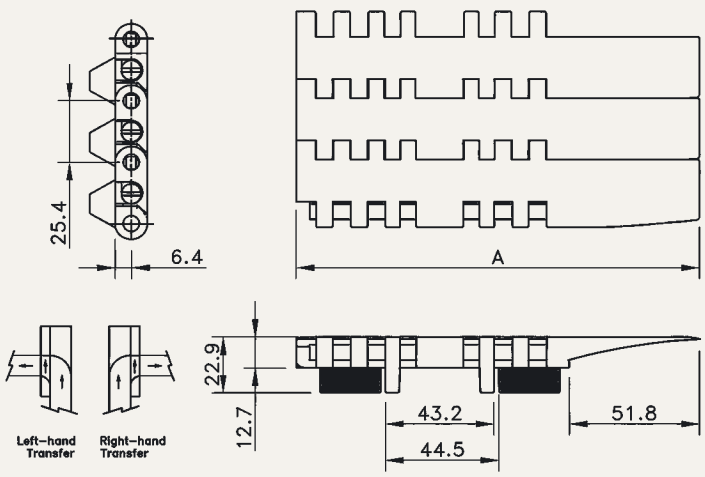
ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
HP-ACETAL WITH PBT PINS							
Standard	HP 7705	I7705HPKxx	-40 to +80	-40 to +65	43000 N/m	13.47 kg/m2	25
DTS Left Positrack	HP7705DTS-4.5IN_MTW_PT_LH	10028409					
	HP7705DTS-7.5IN_MTW_PT_LH	10374619					
DTS right Positrack	HP7705DTS-4.5IN_MTW_PT_RH	10028410					
	HP7705DTS-7.5IN_MTW_PT_RH	10028415					
Mould to width positrack	HP7705-3.25IN_MTW_PT	10028408			3047 N	1.03 kg/m	
	HP7705-4.5IN_MTW_PT	10028412			4559 N	1.39 kg/m	
	HP7705-7.5IN_MTW_PT	10285507			7784 N	2.58 kg/m	
BWX-POLYAMIDE WITH POLYACETAL PINS							
Standard	BWX7705	BWX7705-xx	-40 to +80	Not recommended	43000 N/m	13.47 kg/m2	25
Mould to width positrack	BWX7705-3.25IN_MTW_PT	10146200			3047 N	1.03 kg/m	
	BWX7705-4.5IN_MTW_PT	10146012			4559 N	1.39 kg/m	
	BWX7705-7.5IN MTW PT	10282299			7784 N	2.58 kg/m	

Temperature range, backflex radius and — for the Standard and DTS Positrack assemblies — working load and weight are common to all rows of each material group; blank cells repeat the value shown above them.

** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 6" with 3" increments up to 120". Special widths start from 5" with ½" increments. see also page 208. Upon request 7705 belts can be supplied in metric versions. Please contact Customer Service for more details.*



DYNAMIC TRANSFER SYSTEM (DTS®)

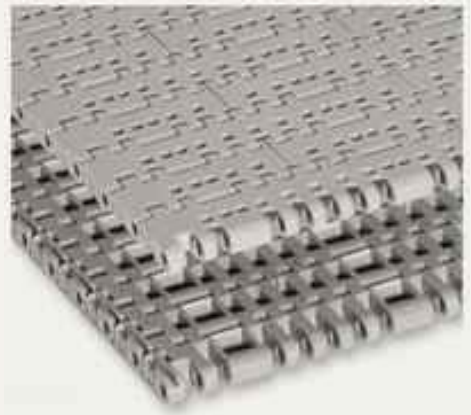


DTS® BELT DIMENSIONS (MM) – PITCH 25.4, PIN 6.4, BELT WIDTH A, 22.9, 12.7, 43.2, 44.5, 51.8; LEFT-HAND TRANSFER AND

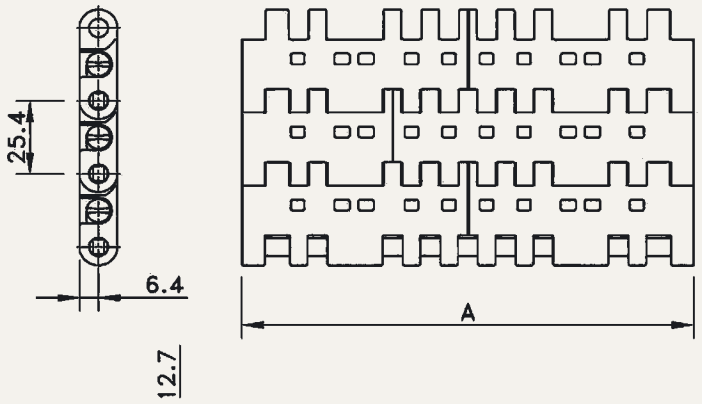
REXNORD

7700-SERIES UNI-CHAINS (AMMERAAL BELTECH)

PERFORATED TOP 7706 & 7708



PERFORATED TOP 7706 BELT



PERFORATED TOP 7706 – PITCH 25.4, PIN 6.4, THICKNESS 12.7, BELT WIDTH A

PERFORATED TOP 7706

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET	WORKING LOAD (MAX.) N/M (21°C)	WEIGHT KG/M²	BACKFLEX RADIUS (MIN.) MM
HP-ACETAL WITH POLYPROPYLENE PINS							
Standard	HP 7706	I7706HPKxx	-40 to +80	-40 to +65	43000	13.18	25

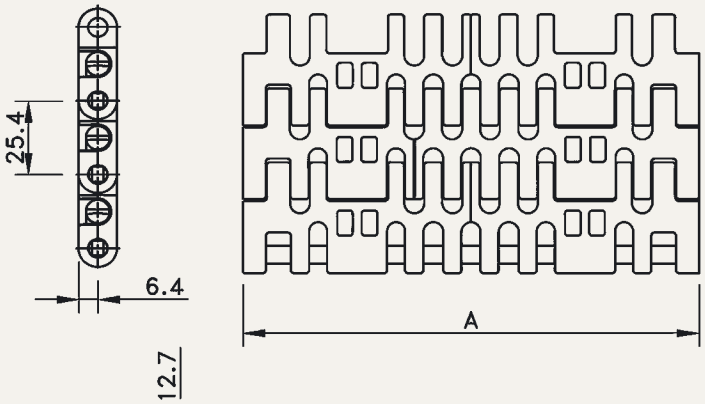
** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 6" with 3" increments up to 120".*
Special widths start from 5" with ½" increments. See also page 208.

For DTS, modules from page 172 are used.

7706 belts can be supplied in metric versions upon request.



PERFORATED TOP 7708 BELT



PERFORATED TOP 7708 – PITCH 25.4, PIN 6.4, THICKNESS 12.7, BELT WIDTH A

PERFORATED TOP 7708

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C DRY	TEMPERATURE RANGE °C WET	WORKING LOAD (MAX.) N/M (21°C)	WEIGHT KG/M²	BACKFLEX RADIUS (MIN.) MM
HT-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	HT 7708	I7708HTKxx	4 to 100	4 to 100	26000	7.81	25

** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 9" with 3" increments up to 120".*
Special widths start from 5" with ½" increments. See also page 208.

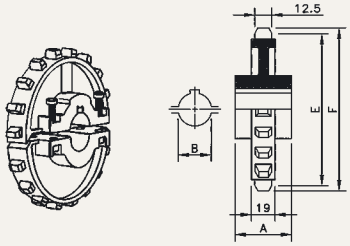
REXNORD

7700-SERIES UNI-CHAINS (AMMERAAL BELTECH)

SPLIT AND CLASSIC SPROCKETS FOR TABLETOP® CHAINS



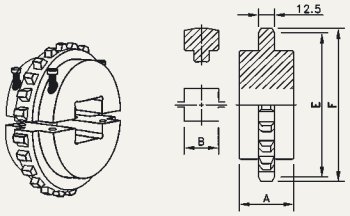
SPLIT SPROCKETS INJECTION MOULDED



INJECTION MOULDED SPLIT SPROCKET – BORE B, HUB WIDTH A



SPLIT SPROCKETS MACHINED



MACHINED SPLIT SPROCKET – BORE B, HUB WIDTH A

SPLIT SPROCKETS - INJECTION MOULDED AND MACHINED

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
ROUND BORES						
NS7700-16T_25MM_1KW_PA	10028572	16	25	130.2	130.6	51
NS7700-16T_30MM_1KW_PA	10019897	16	30	130.2	130.6	51
NS7700-16T_35MM_1KW_PA	10331967	16	35	130.2	130.6	51
NS7700-16T_40MM_1KW_PA	10028573	16	40	130.2	130.6	51
NS7700-18T_25MM_1KW_PA	10028579	18	25	146.3	146.9	51
NS7700-18T_30MM_1KW_PA	10019875	18	30	146.3	146.9	51
NS7700-18T_35MM_1KW_PA	10028581	18	35	146.3	146.9	51
NS7700-18T_40MM_1KW_PA	10028583	18	40	146.3	146.9	51
NS7700-21T_25MM_1KW_PA	10028594	21	25	170.4	170.7	51
NS7700-21T_30MM_1KW_PA	10331629	21	30	170.4	170.7	51
NS7700-21T_35MM_1KW_PA	10331966	21	35	170.4	170.7	51
NS7700-21T_40MM_1KW_PA	10028595	21	40	170.4	170.7	51
SQUARE BORES						
KUS7700-16T_40MM_S_PA	10332278	16	40	130.2	130.6	51
KUS7700-18T_40MM_S_PA	10332294	18	40	146.3	146.9	51
KUS7700-18T_50MM_S_PA	10332896	18	50	146.3	146.9	51
KUS7700-21T_40MM_S_PA	10332282	21	40	170.3	170.7	51
KUS7700-21T_50MM_S_PA	10332884	21	50	170.3	170.7	51
KUS7700-21T_60MM_S_PA	10333321	21	60	170.3	170.7	51

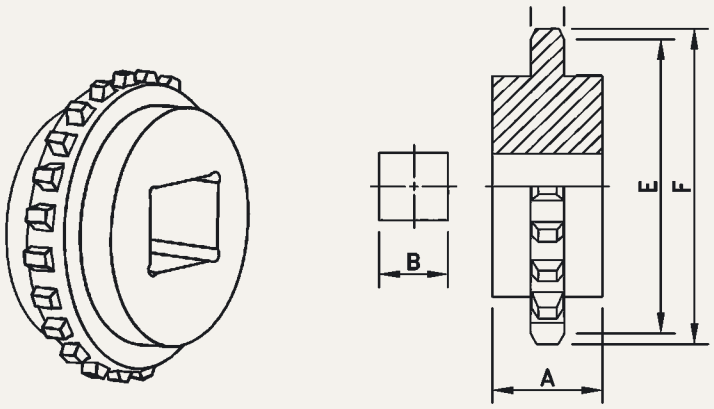
Box Order Quantity is 10 pieces.

REXNORD

7700-SERIES UNI-CHAINS (AMMERAAL BELTECH) (CONT.)



CLASSIC SPROCKETS MACHINED



CLASSIC MACHINED SPROCKET – BORE B, HUB WIDTH A

CLASSIC SPROCKETS MACHINED

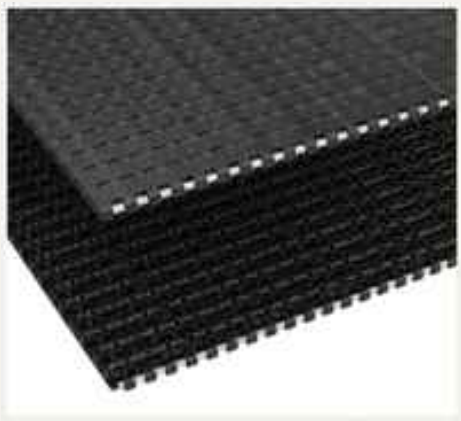
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SQUARE BORES						
KU7700-18T_50MM_S_PA	10332774	18	50	146.3	146.9	51
KU7700-18T_60MM_S_PA	10072754	18	60	146.3	146.9	51
KU7700-21T_50MM_S_PA	10332777	21	50	170.3	170.7	51
KU7700-21T_60MM_S_PA	10333240	21	60	170.3	170.7	51
KU7700-21T_65MM_S_PA	10333456	21	65	170.3	170.7	51

Round bores are available upon request.

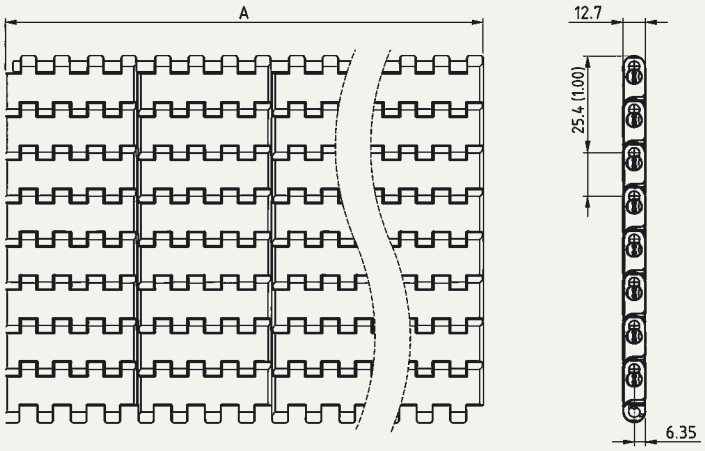
REXNORD

7700-SERIES UNI-CHAINS (AMMERAAL BELTECH)

7005



7005 BELT



7005 – BELT WIDTH A, PITCH 25.4 (1"), THICKNESS 12.7, PIN 6.35

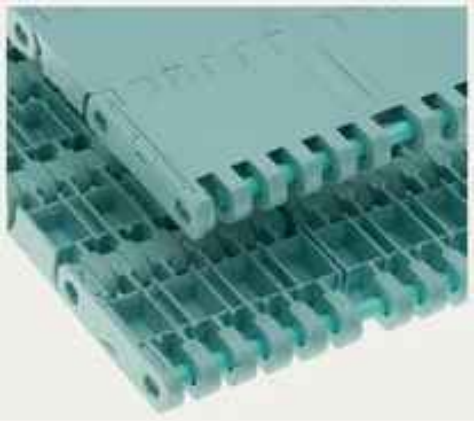
7005

AVAILABLE WIDTHS	AVAILABLE WIDTHS	TEMPERATURE RANGE GLA MATERIAL				WORKING LOAD		APPROXIMATE WEIGHT		BACKFLEX RADIUS	
		FAHRENHEIT		CELSIUS							
		MIN	MAX DRY/WET	MIN	MAX DRY/WET	LBS/FT	N/M	LBS/FT²	KG/M²	MM	INCH
6" upto 240" with increments of 3"	GLA, BWX	0°F	140°F	-18°C	60°C	2398	35.000	2.765	13,5	25	0.9843

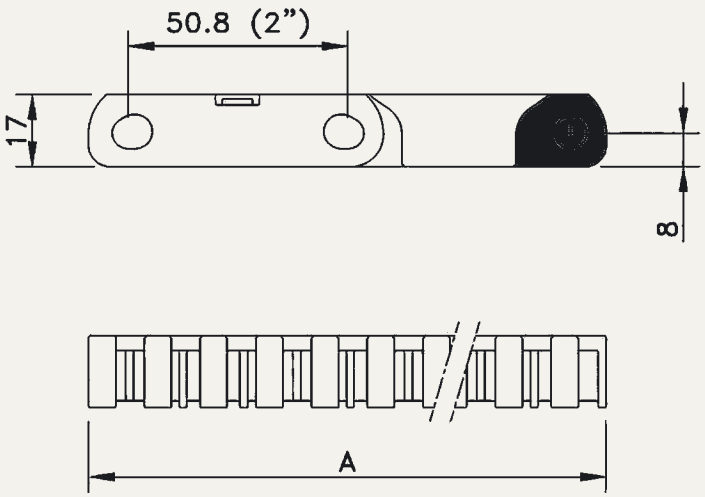
REXNORD

2000-SERIES

FLAT TOP 2000 & FLUSH GRID 2000



FLAT TOP 2000 BELT

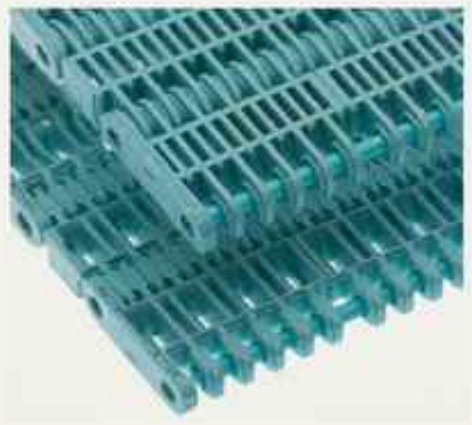


FLAT TOP 2000 – PITCH 50.8 (2"), THICKNESS 17, PIN 8, BELT WIDTH A

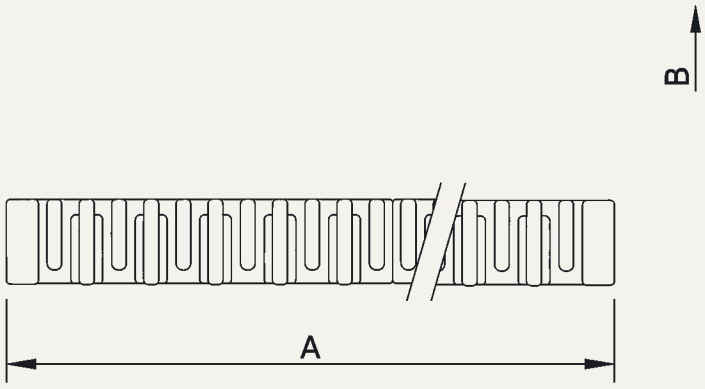
FLAT TOP 2000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XP-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	XP 2000 FT	838.30.xx	4 to 104	4 to 104	29500	8.20	45

** In code numbers xx corresponds with the belt width (A), starting with 10 for 3", 11 for 6" and so on in steps of 3". See also page 223.*



FLUSH GRID 2000 BELT



FLUSH GRID 2000 – PITCH 50.8 (2"), THICKNESS 17, PIN 8, BELT WIDTH A

FLUSH GRID 2000

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XP-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	XP2000FG	838.40.xx	4 to 104	4 to 104	29500	7.55	35

** In code numbers xx corresponds with the belt width (A), starting with 10 for 3", 11 for 6" and so on in steps of 3". See also page 223.*

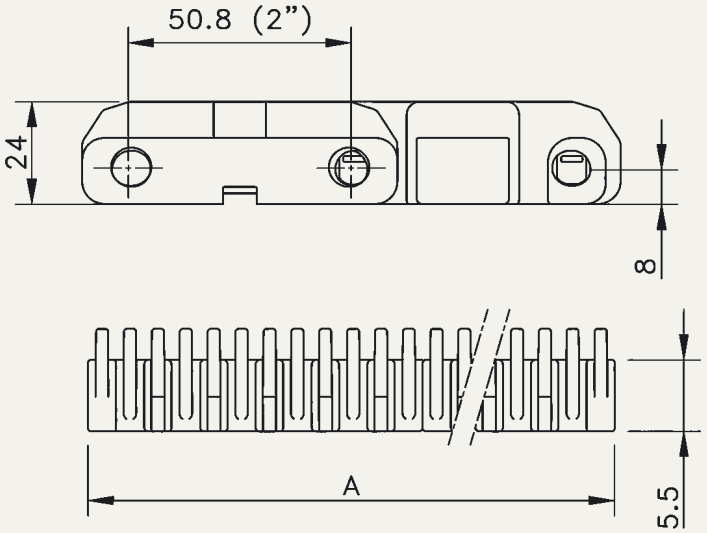
REXNORD

2000-SERIES

RAISED RIB 2000 HEAVY DUTY



RAISED RIB 2000 HEAVY DUTY XP BELT



RAISED RIB 2000 HEAVY DUTY – PITCH 50.8 (2"), RIB HEIGHT 24, PLATE 8, OVERALL 15.5, BELT WIDTH A

RAISED RIB 2000 HEAVY DUTY

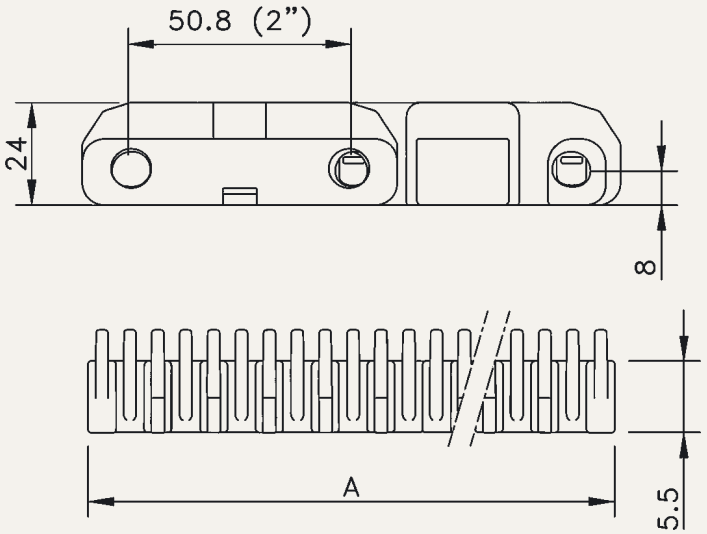
ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
XP-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	RRHD 2000 XP	838.10.xx	4 to 104	4 to 104	29500	10.60	75
Positrack	RRHDP 2000 XP	838.90.xx	4 to 104	4 to 104	29500	10.60	75

** In code numbers xx corresponds with the belt width (A), starting with 10 for 3", 11 for 6" and so on in steps of 3". 2000 Belts with Positrack start with 12 for 9". See also page 223.*

Chain assembly tool (chain tensioner) code 10361333.



RAISED RIB 2000 HEAVY DUTY USP BELT



RAISED RIB 2000 HEAVY DUTY – PITCH 50.8 (2"), RIB HEIGHT 24, PLATE 8, OVERALL 15.5, BELT WIDTH A

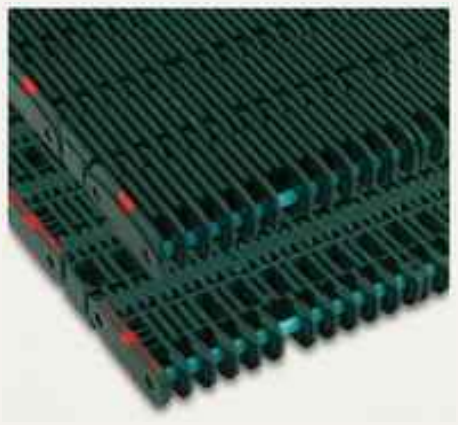
RAISED RIB 2000 HEAVY DUTY

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
USP-POLYPROPYLENE WITH POLYPROPYLENE PINS							

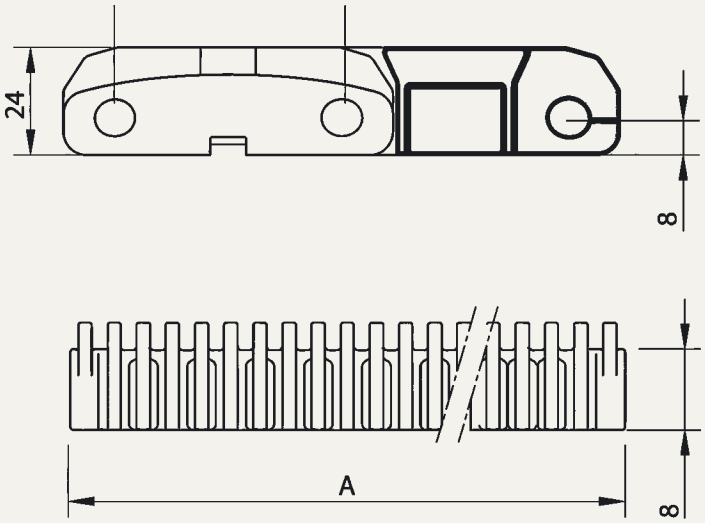
REXNORD

2000-SERIES

SUPER RIB 2000



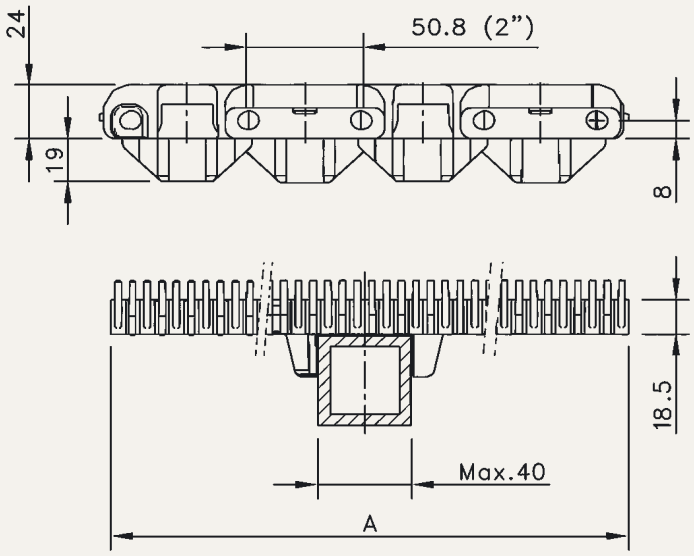
SUPER RIB 2000 BELT



SUPER RIB 2000 – PITCH 50.8 (2”), RIB HEIGHT 24, PLATE 8, OVERALL 18, BELT WIDTH A

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
USP-POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	USP2000SR	881.50.xx	4 to 104	4 to 104	29500	11.20	75
Positrack	USP2000SR-XXMM_PT	881.80.xx	4 to 104	4 to 104	29500	11.20	75

** In code numbers xx corresponds with the belt width (A), starting with 10 for 3”, 11 for 6” and so on in steps of 3”. 2000 Belts with Positrack start with 12 for 9”. See also page 208.*



SUPER RIB 2000 WITH POSITRACK – PITCH 50.8 (2”), 24, 8, 18.5, MAX. 40, BELT WIDTH A

Super rib 2000 belt with positrack in the center of the belt or 1.5” Offset, depending on the width.

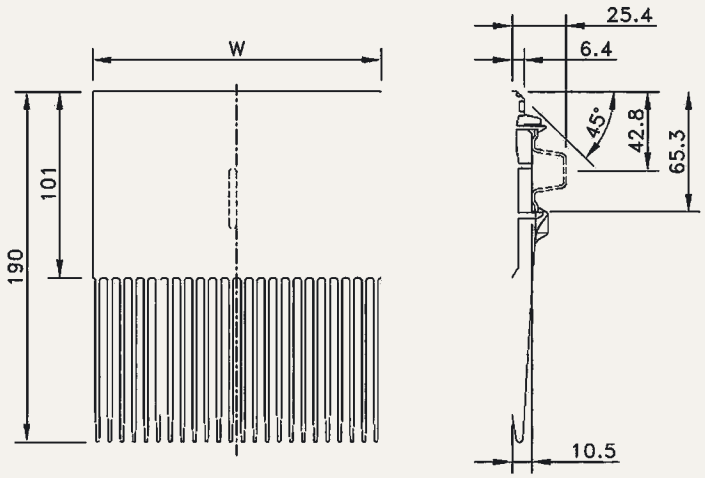
REXNORD

2000-SERIES

CLICK-COMB FINGERPLATES STANDARD



'CLICK-COMB' FINGERPLATE, STANDARD



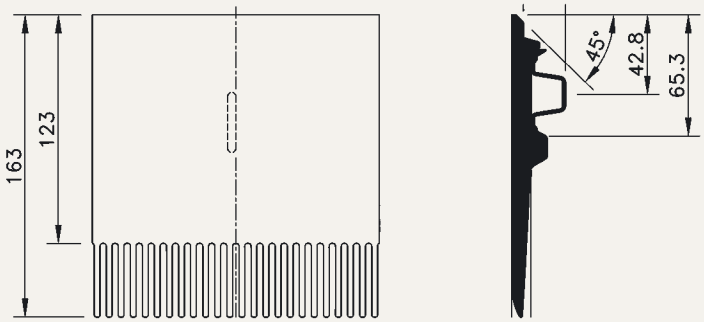
STANDARD FINGERPLATE – LENGTH 190, 101, WIDTH W; SECTION 25.4, 6.4, 42.8, 65.3, 45°, 10.5

'CLICK-COMB' FINGERPLATE TYPE	CODE NUMBER	LENGTH MM	WIDTH W MM	WEIGHT ≈ KG
XLG-ACETAL				
TRAN PLT COMB XLG2000 190X152MM_OMEGA	10147612	190	151	0.16

Standard fingerplates are not recommended to be used in combination with SR2000



'CLICK-COMB' FINGERPLATE FOR GLASS HANDLING



GLASS HANDLING FINGERPLATE – LENGTH 163, 123, WIDTH W; SECTION 25.4, 6.4, 42.8, 65.3, 45°, 10.5

CLICK-COMB FINGERPLATES FOR GLASS HANDLING

'CLICK-COMB' FINGERPLATE TYPE	CODE NUMBER	LENGTH MM	WIDTH W MM	WEIGHT ≈ KG
XLG-ACETAL				
TRAN PLT COMB XLG2000 163X152MM_GLASS	10147614	163.1	151	0.16

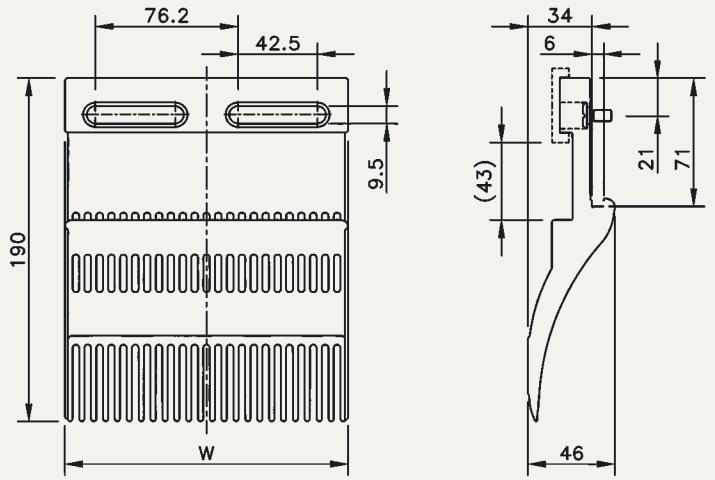
REXNORD

2000-SERIES

DTS-C® TRANSFER SYSTEM FOR PASTEURIZERS



DTS-C® TRANSFER PLATE



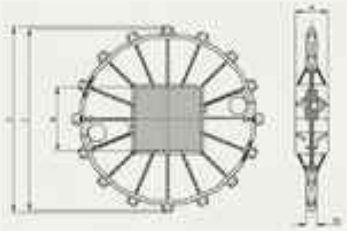
DTS-C® TRANSFER PLATE – 190 LONG, WIDTH W, 76.2, 42.5, 9.5;
SECTION 34, 6, (43), 21, 71, 46

PRODUCT	CODE NUMBER	LENGTH MM	WIDTH W MM	WEIGHT ≈ KG
REINFORCED POLYAMIDE				
TRAN PLT DTS-C 2000-1005 190X152MM WH	10296369	190	152	0.25
WEARSTRIP DTS-C 2000				
CHN GUIDE 362 C-PROF W41XT4MM BK 6.05M	10324496	6		

**DTS-C is optimized for 16 tooth sprocket size*



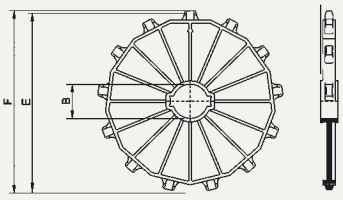
SPLIT SPROCKETS



SPLIT SPROCKET DIMENSIONS



CLASSIC SPROCKETS



CLASSIC SPROCKET DIMENSIONS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPLIT SPROCKETS						
SQUARE BORES						
NS2000-16T_65MM_S_POM	10298195	16	65	260.4	262.0	45
NS2000-16T_90MM_S_POM	10298196	16	90	260.4	262.0	45
NS2000-16T_120MM_S_POM	10334389	16	120	260.4	262.0	45
CLASSIC SPROCKETS						
ROUND BORES						
N2000-13T_65MM_2KW_POM	10334305	13	65	212.3	209.0	30
N2000-16T_90MM_2KW_POM	10148122	16	90	260.4	262.0	45
SQUARE BORES						
N2000-10T_40MM_S_POM	10334296	10	40	164.4	163.1	20

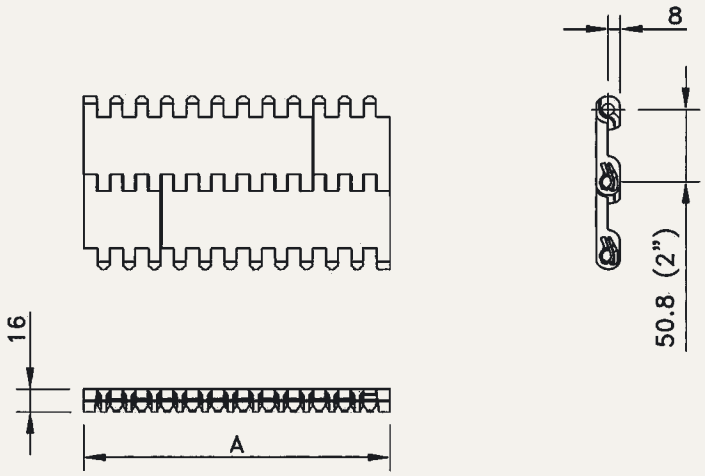
REXNORD

2010-SERIES

SOLID TOP 2015



SOLID TOP 2015



SOLID TOP 2015 – TOP AND SIDE VIEW (A = BELT WIDTH; 16, 8, 50.8 (2") MM)

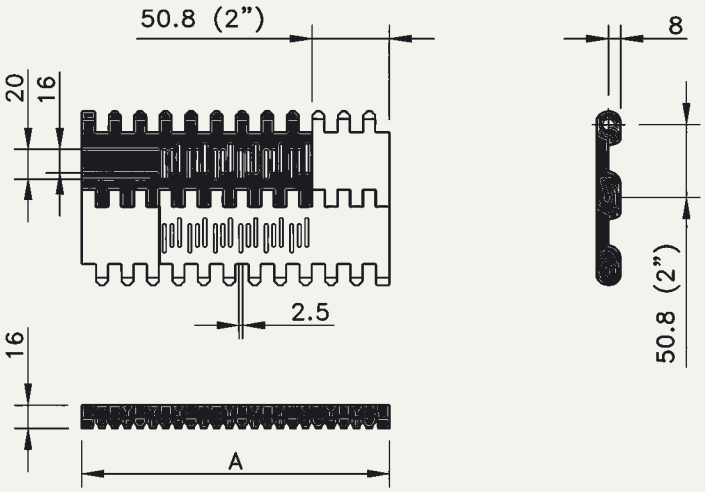
SOLID TOP 2015

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
POLYETHYLENE WITH POLYETHYLENE PINS							
Standard	WLT 2015	846.04.xx	-70 to +35	-70 to +35	7500	9.50	87
Standard	BLT 2015	846.05.xx	-70 to +35	-70 to +35	7500	9.50	87
POLYPROPYLENE WITH POLYPROPYLENE PINS							
Standard	WHT 2015	849.04.xx	4 to 104	4 to 104	15000	8.90	87
Standard	BHT 2015	849.03.6xx	4 to 104	4 to 104	15000	8.90	87
ACETAL WITH POLYPROPYLENE PINS							
Standard	WSM 2015	844.03.xx	4 to 80	4 to 65	20000	13.60	87

PERFORATED TOP 2016



PERFORATED TOP 2016



PERFORATED TOP 2016 – TOP AND SIDE VIEW (A = BELT WIDTH; 20, 16, 2.5, 8, 50.8 (2") MM)

PERFORATED TOP 2016

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C	WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)

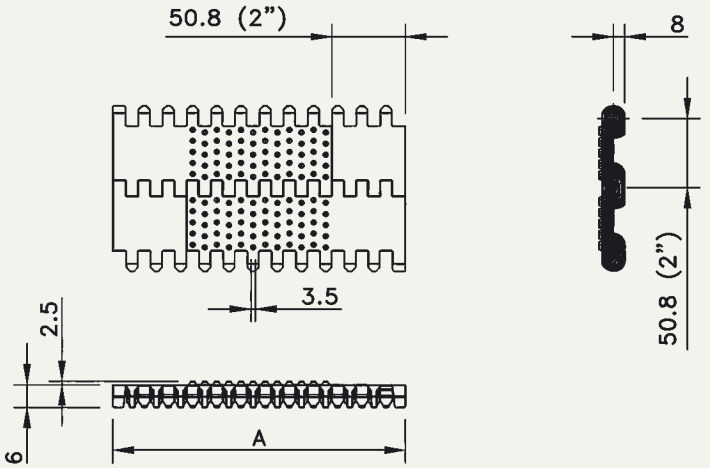
REXNORD

2010-SERIES

TEXTURED TOP 2011



TEXTURED TOP 2011



TEXTURED TOP 2011 – TOP AND SIDE VIEW (A = BELT WIDTH; 50.8 (2"), 3.5, 2.5, 16, 8 MM)

TEXTURED TOP 2011

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
POLYETHYLENE WITH POLYETHYLENE PINS							
Mould To Order	WLT 2011	846.07.xx	-70 to +35	-70 to +35	7500	9.50	87
Mould To Order	BLT 2011	846.09.xx	-70 to +35	-70 to +35	7500	9.50	87
POLYPROPYLENE WITH POLYPROPYLENE PINS							
Mould to order	WHT 2011	849.06.xx	4 to 104	4 to 104	15000	8.90	87
Mould to order	BHT 2011	849.02.xx	4 to 104	4 to 104	15000	8.90	87
ACETAL WITH POLYPROPYLENE PINS							
Mould to order	WSM 2011	844.04.xx	4 to 80	4 to 65	20000	13.60	87

** Code numbers in the table correspond with 6" wide belts. Code numbers go up with 1 (e.g. 846.07.52, 846.07.53 etc.) for each standard 2" increment (8", 10" etc.) up to 120". Optionally 2/3" increments possible. See also page 208.*

If you require flights or sideguards, please describe the belt by choosing from the options listed in the 2nd column of the table:

Material	WLT, BLT, WHT, BHT or WSM	
Belt type	2011, 2015 or 2016	
Width (A)	-XXIN	Belts with flights have a minimal width of 8"; smaller upon request
Flights	F1IN	Straight; standard height 1" to 4" or special in mm; all materials available
	F5IN	Straight; standard height 5" or 6"
	C4IN	Curved; height 4" or 6"
	DRF2IN	Ribbed straight; height 2", 3" or 4" or special in mm
	DRC4IN	Ribbed curved; height 4" or 6"
	B4IN	Bucket flight; height 4" or 6"
Pitch between flights	T..P	Flights on every ..th row
Flight side-indent	N.. (in inches)	Minimal 1-1/3" with 2/3" increments; sideguards are situated at 1/3" from the flight, reducing the indent by 2/3"; if side-indent is 1-1/3", sideguards are directly besides the flight, reducing the indent by 1/3"
Sideguards	SG3, SG4 or S2IN	Standard height of 2", 3" or 4"
Integrated Siderail	ISR4 or ISR6	Standard height of 4" or 6" Other sizes up on request. Side Indent in combination with ISR is always 2-2/3" to the flight. Flights are positioned directly against the Integrated Siderail (ISR).

** Flight materials can differ from the belt material in some flight / belt combinations. F5 and F6 are heavy duty flights. Ribbed flights can be double ribbed (both sides) or single rib depending on material and execution.*

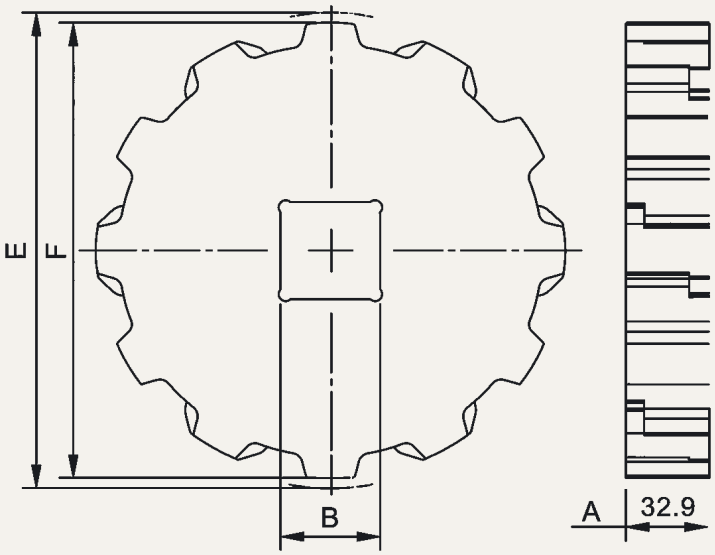
REXNORD

2010-SERIES

CLASSIC SPROCKETS



2010-SERIES CLASSIC SPROCKET, SQUARE BORE



SPROCKET DIMENSIONS: BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A (32.9)

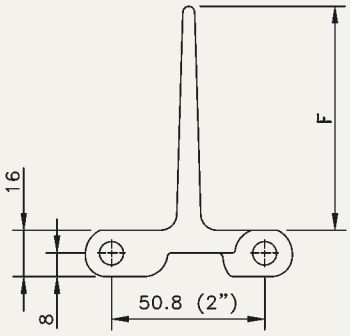
CLASSIC SPROCKETS

TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
CLASSIC SPROCKETS						
SQUARE BORES						
KU2010-8T_40MM_S_UH	10332105	8	40	132.8	121.0	33
KU2010-10T_40MM_S_UH	10332108	10	40	164.4	154.0	33
KU2010-10T_60MM_S_UH	10333216	10	60	164.4	154.0	33
KU2010-12T_40MM_S_UH	10332111	12	40	196.3	188.0	33
KU2010-12T_60MM_S_UH	10333219	12	60	196.3	188.0	33

ACCESSORY INFORMATION:



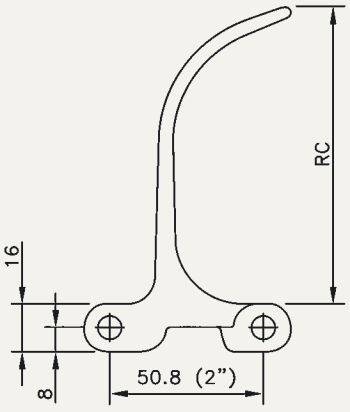
STRAIGHT FLIGHT FOR 2010-SERIES



STRAIGHT FLIGHT PROFILE – HEIGHT F, BASE 50.8 (2"), 16 AND 8 MM



CURVED RIBBED FLIGHT FOR 2010-SERIES



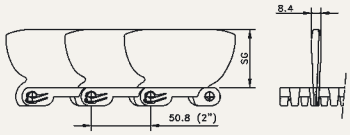
CURVED RIBBED FLIGHT PROFILE – RADIUS RC, BASE 50.8 (2"), 16 AND 8 MM

REXNORD

2010-SERIES (CONT.)



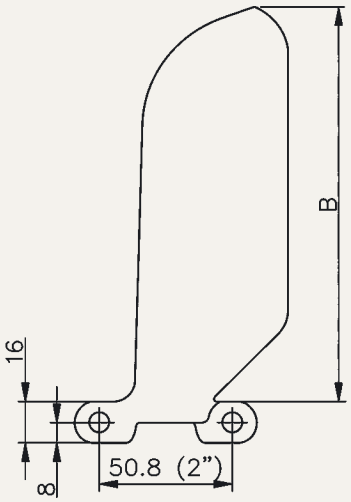
SIDEGUARDS FOR 2010-SERIES



SIDEGUARD PROFILE AND END VIEW – PITCH 50.8 (2"), 8.4 MM



BUCKET FLIGHT FOR 2010-SERIES



BUCKET FLIGHT PROFILE – BASE 50.8 (2"), 16 AND 8 MM

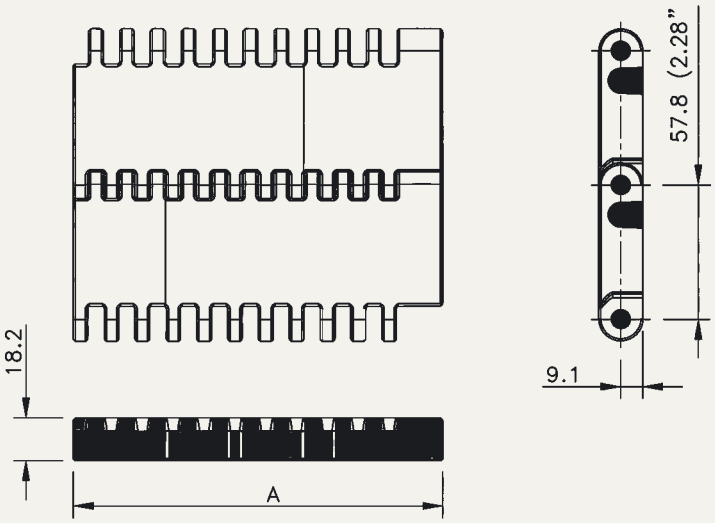
REXNORD

6990-SERIES

SOLID TOP 6995



SOLID TOP 6995 BELT



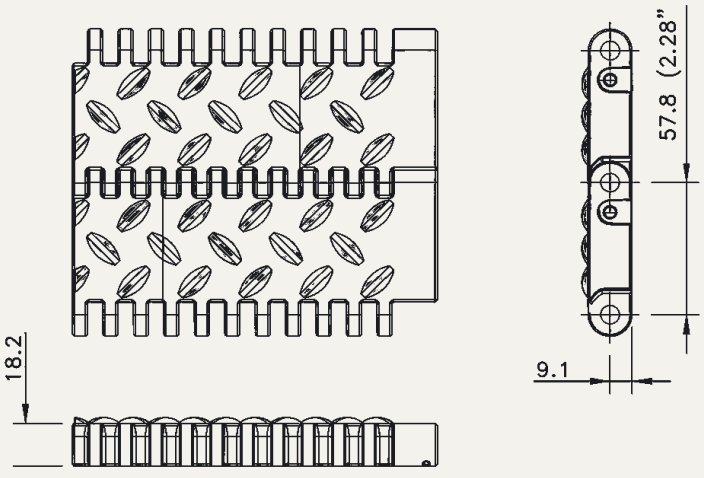
SOLID TOP 6995 DIMENSIONS – BELT WIDTH A, TOP PLATE THICKNESS 18.2, LINK HEIGHT 57.8 (2.28"), PIN 9.1

SOLID TOP 6995

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
BSM-ACETAL WITH POLYPROPYLENE PINS							
Standard	BSM 6995	I6995BSMKxx	4 to +80	4 to +65	51000	14.65	63.5
BYSM-ACETAL WITH POLYPROPYLENE PINS							
Standard	BYSM 6995	I6995BYSMKxx	4 to +80	4 to +65	51000	14.65	63.5



SAFETY TOP 6999 BELT



SAFETY TOP 6999 DIMENSIONS – BELT WIDTH A, TOP PLATE THICKNESS 18.2, LINK HEIGHT 57.8 (2.28"), PIN 9.1

SAFETY TOP 6999

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
BSM-ACETAL WITH POLYPROPYLENE PINS							
Standard	BSM 6999	I6999BSMKxx	4 to +80	4 to +65	51000	14.65	63.5
BYSM-ACETAL WITH POLYPROPYLENE PINS							
Standard	BYSM 6999	I6999BYSMKxx	4 to +80	4 to +65	51000	14.65	63.5

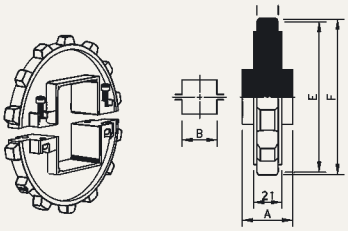
** In code numbers xx corresponds with the belt width (A). Standard widths of these belts begin at 9" with 6" increments up to 100"; special widths begin at 5" with ¼" increments. See also page 223.*

REXNORD

6990-SERIES



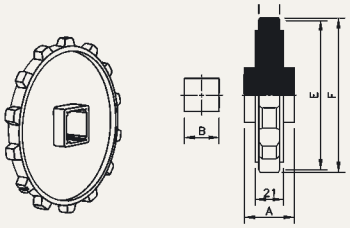
SPLIT SPROCKETS



SPLIT SPROCKET – SQUARE BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A, 15.7



CLASSIC SPROCKETS



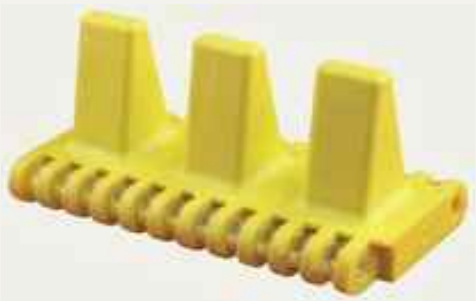
CLASSIC SPROCKET – SQUARE BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A, 15.7

SPROCKETS

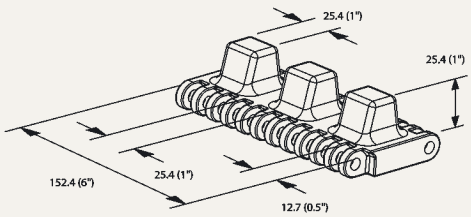
SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPLIT SPROCKETS						
SQUARE BORES						
NS5996-9T_90MM_S_PA	10027448	9	90	167.1	164.1	48
NS5996-12T_90MM_S_PA	10027449	12	90	220.8	221.0	48
NS5996-14T_90MM_S_PA	10028558	14	90	256.8	256.5	48
NS5996-14T_120MM_S_PA	10131451	14	120	256.8	256.5	48
CLASSIC SPROCKETS						
SQUARE BORES						
N5996-7T_40MM_S_POM	10013574	7	40	131.7	125.5	48
N5996-9T_40MM_S_HS	10012700	9	40	167.1	164.1	48
N5996-9T_50MM_S_HS	10071980	9	50	167.1	164.1	48
N5996-9T_65MM_S_HS	10070046	9	65	167.1	164.1	48
N5996-14T_50MM_S_HS	10070602	14	50	256.8	256.5	48
N5996-14T_65MM_S_HS	10069276	14	65	256.8	256.5	48
N5996-14T_90MM_S_HS	10012489	14	90	256.8	256.5	48

HS suitable for hot and humid applications. Box Order Quantity is 10 pieces.

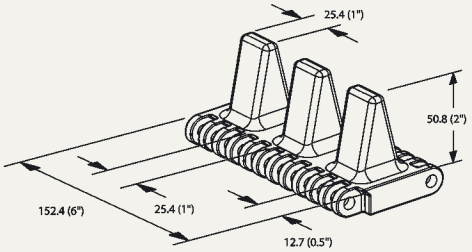
ACCESSORY



DIN STYLE PUSHER 6990

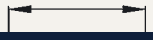


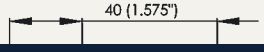
T1 DIMENSIONS – 152.4 (6"), 25.4 (1"), 12.7 (0.5"), PUSHER 25.4 (1") WIDE × 25.4 (1") HIGH



T2 DIMENSIONS – 152.4 (6"), 25.4 (1"), 12.7 (0.5"), PUSHER 25.4 (1") WIDE × 50.8 (2") HIGH







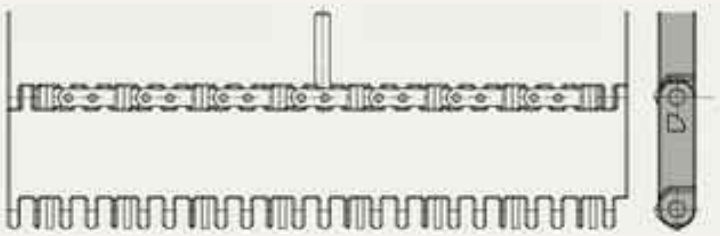
REXNORD

6990-SERIES HYBRID

SOLID TOP 6995 H8



SOLID TOP 6995 H8 BELT



SOLID TOP 6995 H8 – TOP, SIDE AND END VIEWS, BELT WIDTH A

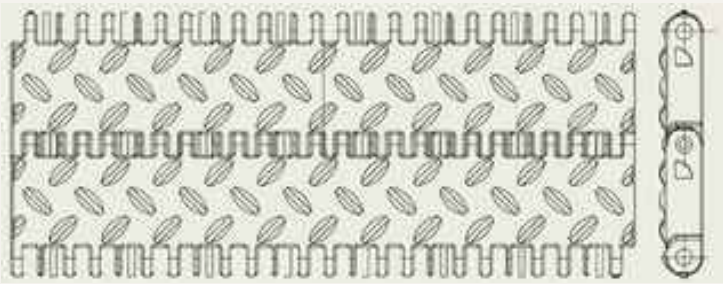
SOLID TOP 6995 H8

CHAIN TYPE	CODE NUMBER	WORKING LOAD (MAX) LBS/FT / N/M	WEIGHT LBS/FT2 / KG/M2	BACKFLEX RADIUS (MIN) IN / MM	CERTIFICATION
BM					
BSM6995H8	I6995H8BMKxx	11.645 / 170.000	6.2 / 30.2	1.75 / 45	NEN-EN-IEC 61340-4-5

Kxx indicated the chain width (K12, K14,.....K228). BM Chain width available starting at 12-inches (306 mm) up to 234,9 inch (5967 mm) actual width with increments of 3 inches (76,5 mm).



SAFETY TOP 6999 H8 BELT



SAFETY TOP 6999 H8 – TOP, SIDE AND END VIEWS, BELT WIDTH A

SAFETY TOP 6999 H8

CHAIN TYPE	CODE NUMBER	WORKING LOAD (MAX) LBS/FT	WORKING LOAD (MAX) N/M	WEIGHT LBS/FT2	WEIGHT KG/M2	BACKFLEX RADIUS (MIN) IN	BACKFLEX RADIUS (MIN) MM	CERTIFICATION
BM								
BSM6999H8	I6999H8BMKxx	11.645	170.000	6.3	30.6	1.75	45	NEN-EN-IEC 61340-4-5

Kxx indicated the chain width (K12, K14,.....K228). BM Chain width available starting at 12-inches (306 mm) up to 234,9 inch (5967 mm). actual width with increments of 3 inches (76,5 mm).

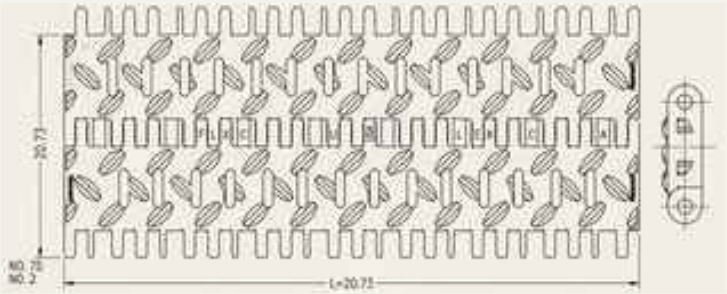
REXNORD

6990-SERIES HYBRID

PERFORATED TOP 6992 HYB H8



PERFORATED TOP 6992 HYB H8 BELT



PERFORATED TOP 6992 HYB H8 – TOP, SIDE AND END VIEWS

PERFORATED TOP 6992 HYB H8

CHAIN TYPE	CODE NUMBER	WORKING LOAD (MAX)		WEIGHT		BACKFLEX RADIUS (MIN)		CERTIFICATION
		LBS/FT	N/M	LBS/FT2	KG/M2	IN	MM	
BM - WITH STAINLESS STEEL PINS								
BSM6999H8	I6999H8BMKxx	6.850	100.000	5.2	25.4	3.00	76.2	NEN-EN-IEC 61340-4-5

Kxx indicated the chain width (K12, K14,.....K228). BM Chain width available starting at 12-inches (306 mm) up to 234,9 inch (5967 mm) actual width with increments of 3 inches (76,5 mm).

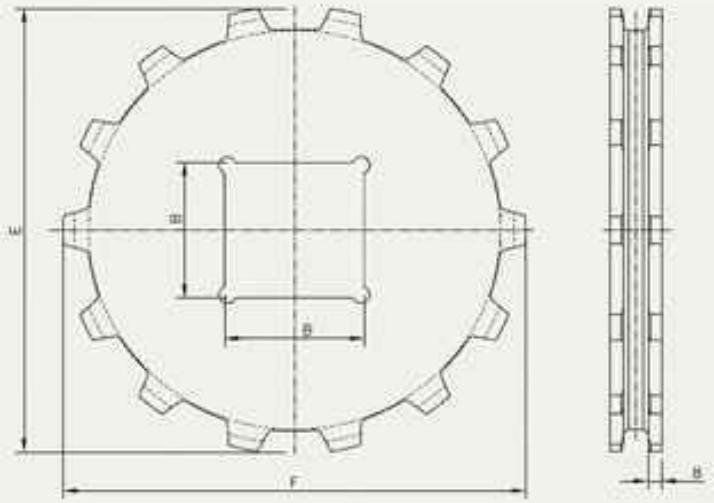
REXNORD

6990-SERIES HYBRID

KU6990 HYBRID



KU6990 HYBRID SPROCKET



KU6990 HYBRID SPROCKET DIMENSIONS – E, F, B, 30, 8

KU6990 HYBRID SPROCKETS

SPROCKET DESCRIPTION	NUMBER OF TEETH	PITCH CIRCLE DIAMETER INCH / MM	MAXIMUM SQUARE BORE SIZE INCH / MM	HUB WIDTH INCH / MM
SOLID				
KU6990 Hybrid T19	19	350,86	200	32
SPLIT				
KUS6990 Hybrid T19	19	350,86	200	32

Other bore sizes, teeth and round bores are available on request. Please consult our technical support department for more information.

REXNORD

3120-SERIES

SOLID TOP 3125



SOLID TOP 3125 BELT



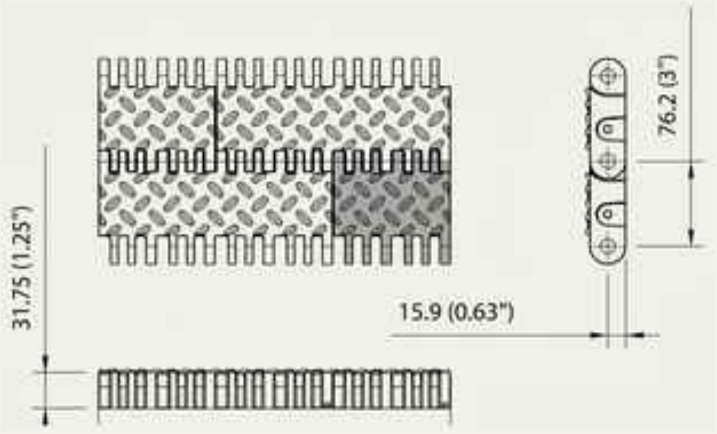
SOLID TOP 3125 DIMENSIONS – 31.75 (1.25"), 15.9 (0.63"), 76.2 (3"), BELT WIDTH A

SOLID TOP 3125

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3125	I3125BSMKxx	-30 to +80	up to 65	115000	31.10	76.2



SAFETYTOP 3129 BELT



SAFETYTOP 3129 DIMENSIONS – 31.75 (1.25"), 15.9 (0.63"), 76.2 (3"), BELT WIDTH A

SAFETYTOP 3129

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M²	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3129	I3129BSMKxx	-30 to +80	up to 65	115000	31.10	76.2

** In code numbers xx correspond with the belt width (A). Standard width of these belts begin at 4" with 2" increments up to 190"; 4" and 8" executions are mold-to-width executions. See page 223.*

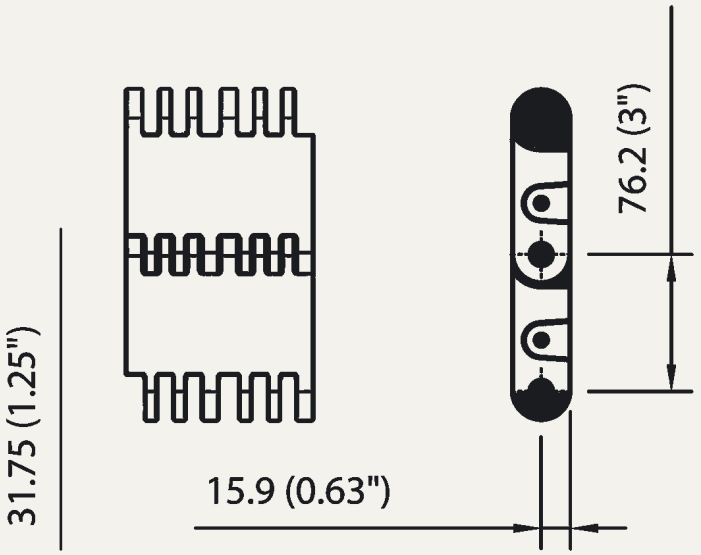
REXNORD

3120-SERIES

BSM3125-K4 MTW



BSM3125-K4 MTW BELT



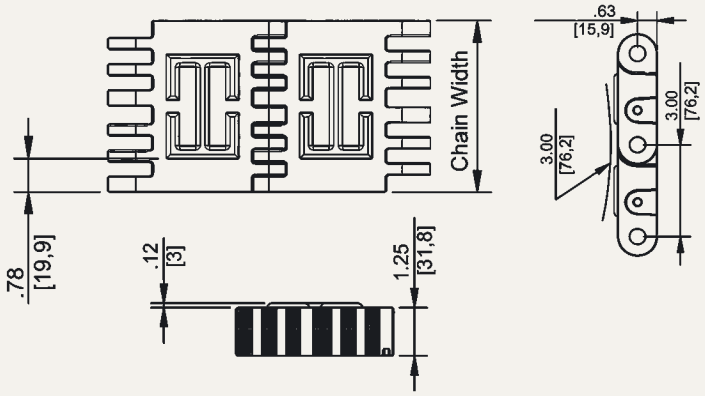
BSM3125-K4 MTW DIMENSIONS – 31.75 (1.25"), 15.9 (0.63"), 101.6 (4"), 76.2 (3")

BSM3125-K4 MTW

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N (21°C)	KG/M²	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3125 K4	I3125BSMK004	-30 to +80	up to 65	115000	31,10	76,2



RUBBER TOP 3125-K4 BELT



RUBBER TOP 3125-K4 DIMENSIONS – .78 [19,9], .12 [3], 1.25 [31,8], .63 [15,9], 3.00 [76,2], CHAIN WIDTH

RUBBER TOP 3125-K4

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N (21°C)	KG/M²	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3125 RT-K4 MTW	876.29.10	-30 to +80	up to 65	115000	31,10	76,2
Standard	BSM 3185 RT-K3.2 MTW	I3185BSM3.2 -30	-30 to +80	up to 65	115000	31,10	76,2

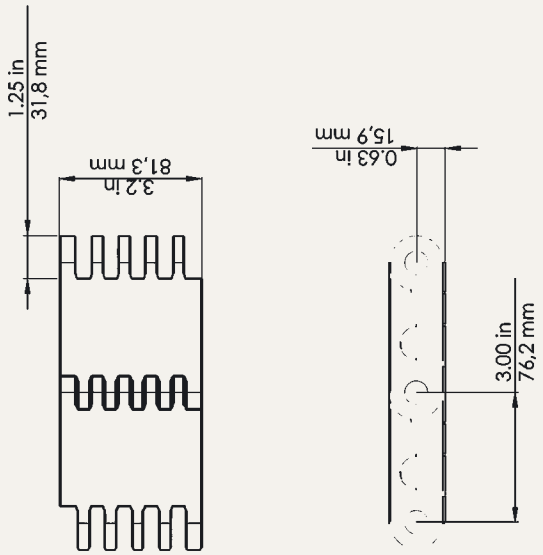
REXNORD

3185-SERIES

SOLID TOP 3185-K3.2 MTW



SOLID TOP 3185-K3.2 MTW CHAIN



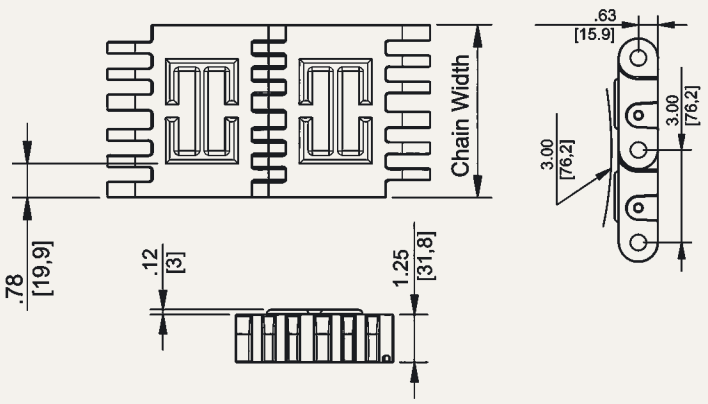
SOLID TOP 3185-K3.2 MTW DIMENSIONS – 31,8 MM (1.25 IN) CHAIN HEIGHT, 81.3 MM (3.2 IN), 15,9 MM (0.63 IN), 76,2 MM (3.00 IN) PITCH

SOLID TOP 3185-K3.2 MTW

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3185 K3.2	I3125BSMK004	-30 to +80	up to 65	115000	31.10	76.2



SAFETYTOP 3185-K3.2 RUBBER TOP



SAFETYTOP 3185-K3.2 RUBBER TOP DIMENSIONS – .78 [19,9], .12 [3], 1.25 [31,8], .63 [15,9], 3.00 [76,2] PITCH (AA), CHAIN WIDTH

SAFETYTOP 3185-K3.2 RUBBER TOP

ASSEMBLY	BELT TYPE	CODE NUMBER*	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)	WEIGHT	BACKFLEX RADIUS (MIN.)
			DRY	WET	N/M (21°C)	KG/M2	MM
ACETAL WITH POLYESTER PINS							
Standard	BSM 3185 RT-K3.2 MTW	I3185BSM3.2 -30	-30 to +80	up to 65	115000	31.10	76.2

REXNORD

3125-SERIES

3122HYB (MTW) MOLDED-TO-WIDTH MATTOP CHAIN

Designed for long runs and heavy loads, the Rexnord 3125-4IN MTW HYB Series MatTop Chain and the Rexnord 3122 HYB MatTop Chain are the preferred solution. The design includes solid stainless steel pins (rods) and 12 stainless steel tension plates per link. The construction provides superior stiffness and fatigue strength which improves running properties, mitigates pulsation and provides extended chain life.

OUR HEAVIEST DUTY CHAIN DESIGN FOR HEAVY LOAD CONVEYING

The Rexnord 3125-4IN MTW HYB Series MatTop Chain is designed for 4-inch (101mm) skid conveyors. The Rexnord 3125-4IN MTW SolidTop surface allows the skids to be aligned mechanically before transferring to the next conveyor. The RubberTop® feature ensures proper skid position in frequent start-stop operations; for example, buffer systems between the paint shop and the assembly department.

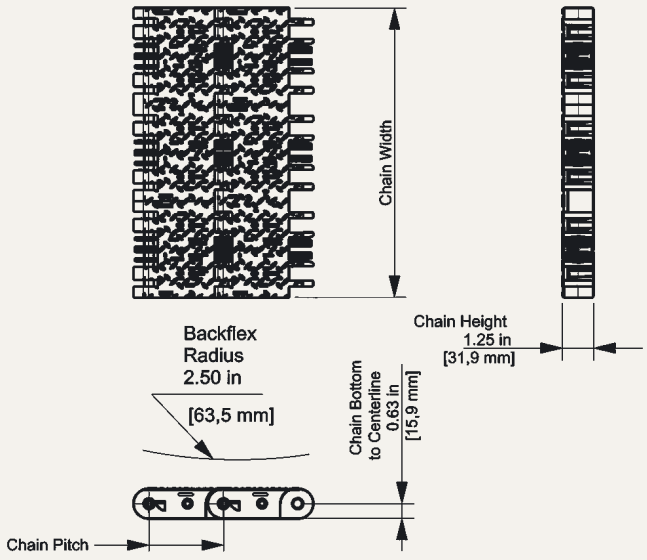
The Rexnord 3122- HYB MatTop Chain Series is offered in anti-slip safety top surface execution with perforations for drainage in wet environments and ventilation in inspection areas.



CONVEYOR EQUIPPED WITH REXNORD 3125 HYB 12 SERIES MATTOP CHAIN.



3122HYB (MTW)



REXNORD 3122HYB MOLDED-TO-WIDTH (MTW) MATTOP CHAIN – DIRECTION OF TRAVEL, CHAIN WIDTH, CHAIN HEIGHT 1.25 IN [31,8 MM], BACKFLEX RADIUS 2.50 IN [63,5 MM], CHAIN BOTTOM TO CENTERLINE 0.63 IN [15,9 MM], CHAIN PITCH 3.00 IN [76,2 MM]

CHAIN INFORMATION

CHAIN WIDTH			NUMBER OF SPROCKETS	CHAIN STRENGTH	
DESC	IN	MM		LBS	N
4	4.0	101.6	1	6,000	26689

AVAILABLE MATERIALS

PREFIX	CHAIN MATERIAL	STANDARD PIN MATERIAL	TEMPERATURE				APPROXIMATE WEIGHT
			FAHRENHEIT		CELSIUS		
			MIN	MAX	MIN	MAX	

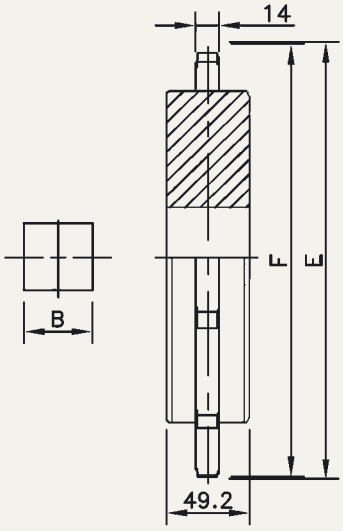
REXNORD

3125-SERIES

SPROCKETS AND ACCESSORIES



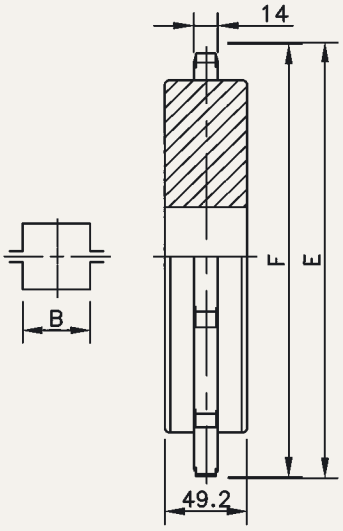
CLASSIC SPROCKETS



CLASSIC SPROCKET – SQUARE BORE AND SECTION



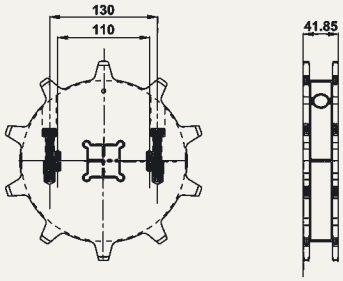
SPLIT SPROCKETS



SPLIT SPROCKET – SQUARE BORE AND SECTION



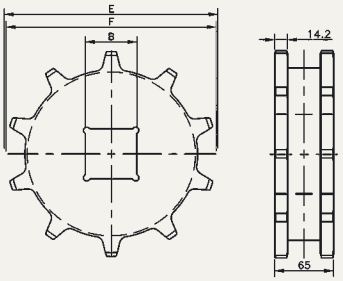
H-STYLE 3180 SPROCKETS



H-STYLE 3180 SPROCKET – 130 / 110 / 41.85 MM



H-STYLE 3120 SPROCKETS



H-STYLE 3120 SPROCKET – FACE AND SIDE VIEW

SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
CLASSIC SPROCKET						
SQUARE BORE						
KU3120-9T_60MM_S_PA	10333226	9	60	222.8	218.9	47.8
KU3120-9T_90MM_S_PA	10334667	9	90	222.8	218.9	47.8
KU3120-10T_60MM_S_PA	10333227	10	60	246.6	244.1	47.8
KU3120-10T_90MM_S_PA	10334668	10	90	246.6	244.1	47.8
KU3120-11T_60MM_S_PA	10333228	11	60	270.5	269.1	47.8
KU3120-11T_90MM_S_PA	10334669	11	90	270.5	269.1	47.8
SPLIT SPROCKETS						
SQUARE BORE						
KUS3120-9T_60MM_S_PA	10333329	9	60	222.8	218.9	47.8
KUS3120-9T_90MM_S_PA	10334701	9	90	222.8	218.9	47.8
KUS3120-10T_60MM_S_PA	10333330	10	60	246.6	244.1	47.8

Other bores sizes (square and round) and number of teeth are available on request. Smallest possible sprocket has 8 teeth.
Stainless steel sprockets available upon request.

REXNORD

3125-SERIES (CONT.)

SPROCKETS (CONT.)

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
KUS3120-10T_90MM_S_PA	10334702	10	90	246.6	244.1	47.8
KUS3120-11T_60MM_S_PA	10333331	11	60	270.5	269.1	47.8
KUS3120-11T_90MM_S_PA	10334703	11	90	270.5	269.1	47.8
H-STYLE 3180 SPROCKETS						
SQUARE BORE						
KU3180-9T_60MM_S_PA_H	10328851	9	90	223	218.9	42
KU3180-10T_60MM_S_PA_H	10328845	10	60	246	244.1	42
KU3180-11T_60MM_S_PA_H	10328839	11	90	270	269.1	42
H-STYLE 3120 SPROCKET						
SQUARE BORE						
KU3120-8T_60MM_S_PA_H-HUB	10334885	8	60	199.1	193.5	65
KU3120-9T_60MM_S_PA_H-HUB	10363526	9	60	222.8	218.9	65
KU3120-10T_60MM_S_PA_H-HUB	10383669	10	60	246.6	244.1	65
KU3120-11T_60MM_S_PA_H-HUB	10328782	11	60	270.5	269.1	65



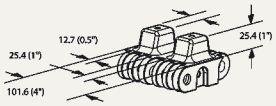
DIN STYLE SIDEGUARD 3120



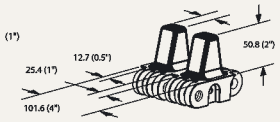
H40 DIMENSIONS – 47.75 (1.88"), 20 (0.787"), 40 (1.575")



DIN STYLE PUSHER 3120



T1 DIMENSIONS – 25.4 (1"), 12.7 (0.5"), 25.4 (1"), 101.6 (4")

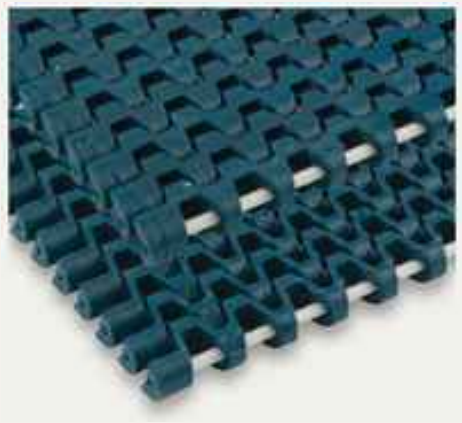


T2 DIMENSIONS – 12.7 (0.5"), 25.4 (1"), 50.8 (2"), 101.6 (4")

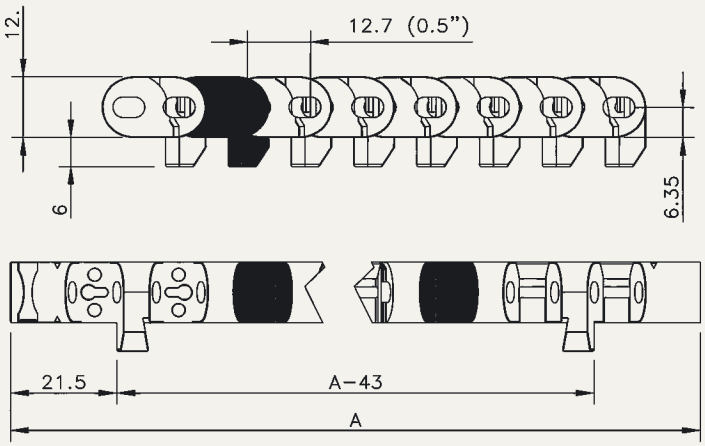
REXNORD

505-SERIES

RADIUS 505



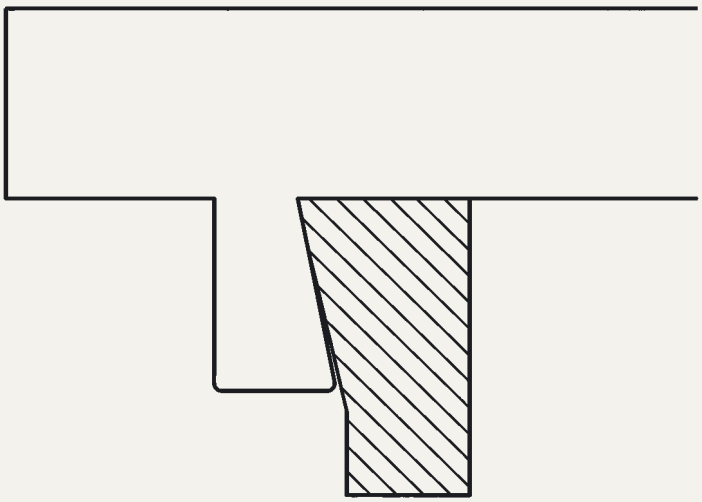
RADIUS 505 BELT



RADIUS 505 DIMENSIONS – 12.7, 6, 6.35, 12.7 (0.5"), 21.5, A–43, A

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS INSIDE (MIN.)	WORKING LOAD (MAX.)		TEMPERATURE RANGE °C		WEIGHT	BACKFLEX RADIUS (MIN.)
					STRAIGHT	IN CURVE				
			MM	MM	N/M	N	DRY	WET	KG/M2	MM
XLG-ACETAL WITH REINFORCED PLASTIC PINS										
Positrack Two Sides	RBP 505 XLG 255	867.30.12	255	510	15000	1300	-40 TO +80	-40 TO +65	10.0	15
Positrack Two Sides	RBP 505 XLG 340	867.30.13	340	680	15000	1300	-40 TO +80	-40 TO +65	10.0	15
Positrack Two Sides	RBP 505 XLG 425	867.30.14	425	850	15000	1300	-40 TO +80	-40 TO +65	10.0	15
Positrack Two Sides	RBP 505 XLG 510	867.30.15	510	1020	15000	1300	-40 TO +80	-40 TO +65	10.0	15
Positrack Two Sides	RBP 505 XLG 595	867.30.16	595	1190	15000	1300	-40 TO +80	-40 TO +65	10.0	15
Positrack Two Sides	RBP 505 XLG 680	867.30.17	680	1360	15000	1300	-40 TO +80	-40 TO +65	10.0	15

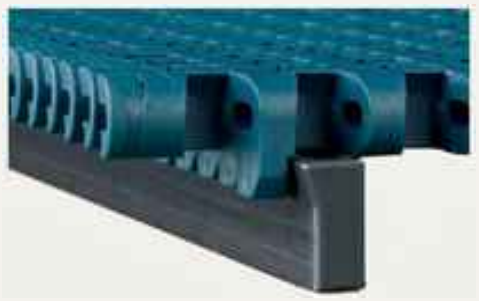
** In code numbers xx corresponds with the belt width (A), starting with 12 for 255 mm, 13 for 340 mm and so on with 85 mm increments up to 680 mm; wider belts available upon request. See also page 208.*



POSITRACK TWO SIDES – LUG PROFILE

REXNORD

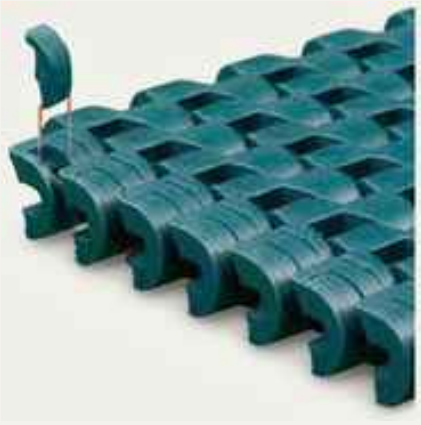
505-SERIES (CONT.)



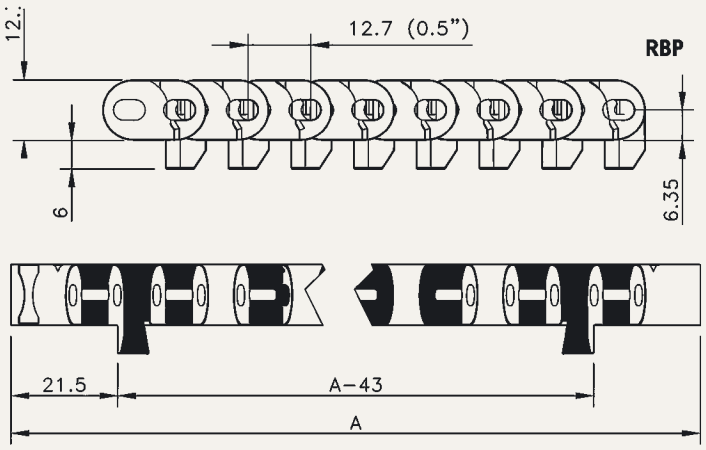
CURVE GUIDING PROFILE FOR 505



STANDARD POSITRACK LUGS ON BOTH SIDES



PIN RETENTION CLIPS FOR EASY (DIS)ASSEMBLY



RBP – 12.7, 6, 6.35, 12.7 (0.5"), 21.5, A–43, A

The curve guiding profile for the 505 has a standard length of 1.8 meters; it is made of MCC 3600 polyester for direct food contact, code nr. 800.00.13, ULF-profile: 10383606

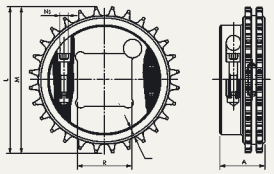
REXNORD

505-SERIES

SPROCKETS & POSITRACK CURVES



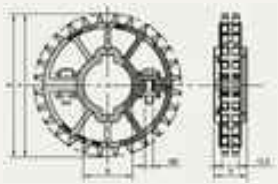
SPLIT SPROCKETS MACHINED



SPLIT SPROCKETS MACHINED – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A, M6



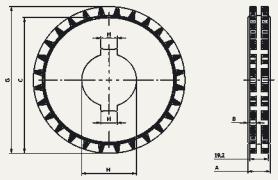
SPLIT SPROCKETS INJECTION MOULDED



SPLIT SPROCKETS INJECTION MOULDED – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A



CLASSIC SPROCKETS



CLASSIC SPROCKETS – BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F, HUB WIDTH A

505-SERIES SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPLIT SPROCKETS MACHINED						
ROUND BORES						
KUS505-28T_25MM_2KW_PA	10331058	28	25 mm	113.4	113.4	33.5
KUS505-28T_30MM_2KW_PA	10331458	28	30 mm	113.4	113.4	33.5
KUS505-28T_35MM_2KW_PA	10331811	28	35 mm	113.4	113.4	33.5
KUS505-28T_1IN_2KW_PA	10326599	28	1.0″	113.4	113.4	33.5
SQUARE BORES						
KUS505-28T_25MM_S_PA	10331057	28	25 mm	113.4	113.4	33.5
KUS505-28T_30MM_S_PA	10331457	28	30 mm	113.4	113.4	33.5
KUS505-28T_1IN_S_PA	10326598	28	1.0″	113.4	113.4	33.5
SPLIT SPROCKETS INJECTION MOULDED						
ROUND BORES						
NS505-28T_40MM_2KW_PA	10332337	28	40 mm	113.4	113.4	25.5
SQUARE BORES						
NS505-28T_40MM_S_PA	10148171	28	40 mm	113.4	113.4	25.5
CLASSIC SPROCKETS						
ROUND BORES						
KU505-28T_25MM_2KW_PA	10330882	28	25 mm	113.4	113.4	16.5
KU505-28T_30MM_2KW_PA	10331285	28	30 mm	113.4	113.4	16.5
KU505-28T_35MM_2KW_PA	10331678	28	35 mm	113.4	113.4	16.5
KU505-28T_40MM_2KW_PA	10332008	28	40 mm	113.4	113.4	16.5
KU505-28T_1IN_2KW_PA	10325158	28	1.0″	113.4	113.4	16.5
KU505-28T_1-1/2IN_2KW_PA	10325583	28	1.5″	113.4	113.4	16.5
SQUARE BORES						
KU505-28T_25MM_S_PA	10330883	28	25 mm	113.4	113.4	16.5

REXNORD

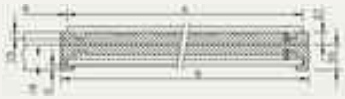
505-SERIES (CONT.)

505-SERIES SPROCKETS (CONT.)

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
KU505-28T_30MM_S_PA	10331286	28	30 mm	113.4	113.4	16.5
KU505-28T_40MM_S_PA	10148125	28	40 mm	113.4	113.4	16.5
KU505-28T_1IN_S_PA	10325159	28	1.0″	113.4	113.4	16.5
KU505-28T_1-1/2IN_S_PA	10325584	28	1.5″	113.4	113.4	16.5



POSITRACK CURVE



POSITRACK CURVE CROSS-SECTION: R, A, B, 22, 15, 18, 10, 6.5

POSITRACK CURVES

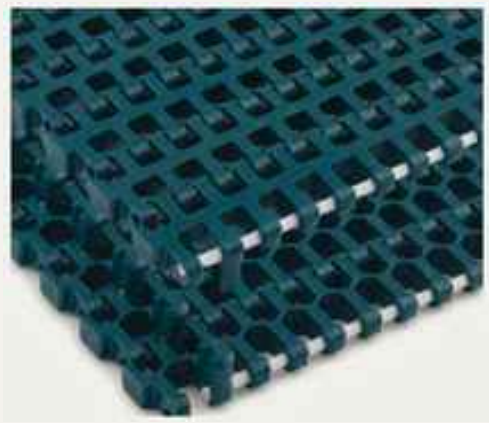
CODE NUMBER	RADIUS R MM	BELT WIDTH A MM	HEIGHT MM	CURVE WIDTH B MM	ANGLE
POSITRACK CURVES FOR 505					
804.02.02	510	255	27 + 55	281	90°
804.02.03	680	340	27 + 55	366	90°
804.02.04	850	425	27 + 55	451	90°
804.02.05	1020	510	27 + 55	536	90°
804.02.06	1190	595	27 + 55	621	90°
804.02.07	1360	680	27 + 55	706	90°

Other angles and non-standard positrack curves on request; these curves include a curve guiding profile. Including 100 mm long straight sections at upper part.

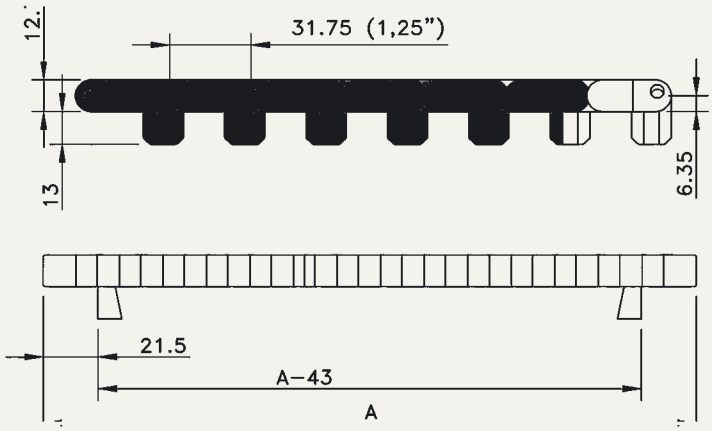
REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR)

RADIUS 1255



RADIUS 1255 BELT



RADIUS 1255 BELT SECTION: 12.7, 13, 6.35, 31.75 (1,25"), 21.5, A–43, A

RADIUS 1255

ASSEMBLY	BELT TYPE	CODE NUMBER*	SIDEFLEX RADIUS (MIN.)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
						STRAIGHT	IN CURVE		
			MM	DRY	WET	N/M	N	KG/M²	MM
XLG-ACETAL WITH PBT PINS									
Positrack Two Sides	RBP 1255 XLG	867.40.xx	2 x belt width	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	RB 1255 XLG	867.70.xx	2 x belt width	-40 to +80	-40 to +65	22000	2000	8.00	25
Supergrip Positrack	SG 1255 XLG RBP	867.53.xx	2 x belt width	-40 to +65	-40 to +65	22000	2000	8.00	30
WHT-POLYPROPYLENE WITH PBT PINS									
Positrack Two Sides	WHT 1255 RBP	869.40.xx	2 x belt width	4 to 80	4 to 65	11000	1200	5.20	25
Flat	WHT 1255 RB	869.90.xx	2 x belt width	4 to 80	4 to 65	11000	1200	5.20	25
Supergrip Positrack	SG 1255 WHT RBP	869.53.xx	2 x belt width	4 to 65	4 to 65	11000	1200	5.20	30
WSM-ACETAL WITH PBT PINS									
Positrack Two Sides	WSM 1255 RBP	868.40.xx	2x belt width	-40 to +80	up to 65	22000	2000	8.00	25
Flat	WSM 1255 RB	869.00.xx	2x belt width	-40 to +80	up to 65	22000	2000	8.00	25
Supergrip Positrack	SG 1255 WSM RBP	868.63.xx	2x belt width	-40 to +65	up to 65	22000	2000	8.00	30
SMB-ACETAL WITH PBT PINS									
Positrack Two Sides	SMB 1255 RBP	868.70.xx	2x belt width	-40 to +80	up to 65	22000	2000	8.00	25
Flat	SMB 1255 RB	869.10.xx	2x belt width	-40 to +80	up to 65	22000	2000	8.00	25

** In code numbers xx corresponds with the belt width (A), starting with 12 for 255 mm, 13 for 340 mm.*

If you need flights, describe the belt by choosing from the required options listed in the 2nd column of the table:

Material	WHT or WSM or SMB	
Belt type	**1255 RBP** or **1255 RBT** or **1255 RB**	RBP for Positrack (only in WHT, WSM and SMB), RBT for Tabs (only in WSM and SMB), RB for Flat
Width (A)	KM - in mm	
Flights	F3	Standard height of 3" (76.2 mm) or special height in mm
Pitch between flights	T..P	Flights on every ..th row
Flight side-indent	N.. (in mm)	Minimal 51 mm with 17 mm increments

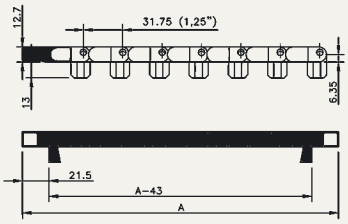
code nr. for special polyamide MCC3500 profile of 1.8 meters is 10609192, code for FDA approved MCC3600 polyester profile of 1.8 meters is 10361335.

REXNORD

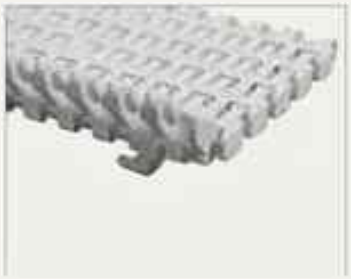
1200-SERIES REGINA CHAINS (MATVEYOR) (CONT.)



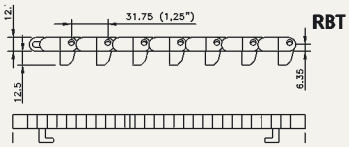
POSITRACK LUGS ON BOTH SIDES



RBP – POSITRACK LUGS ON BOTH SIDES: 12.7, 13, 6.35, 31.75 (1,25"), 21.5, A-43, A



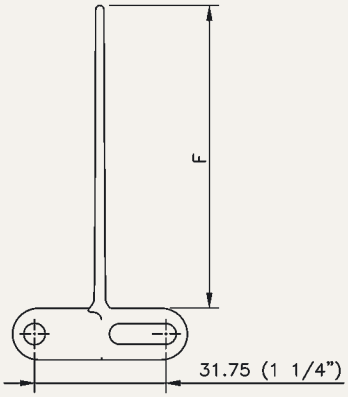
TABS ON BOTH SIDES



RBT – TABS ON BOTH SIDES: 12.7, 12.5, 31.75 (1,25"), 22.75, A-45.5, A



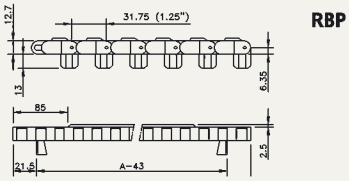
FLIGHT FOR ELEVATING – NOT FOR USE IN THE U.S.A.



FLIGHT PROFILE: F, 31.75 (1 1/4")



SUPERGRIP FOR INCLINED CONVEYING; STANDARD 100% RUBBER.

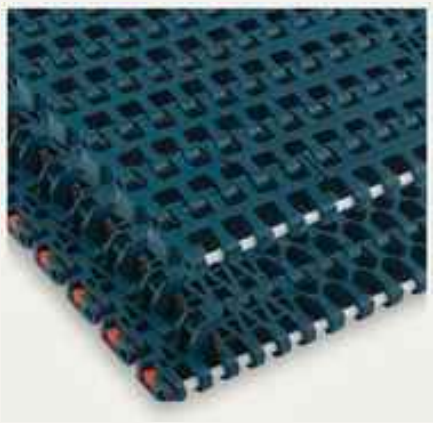


RBP – SUPERGRIP SECTION: 12.7, 13, 31.75 (1,25"), 85, 21.5, A-43, A

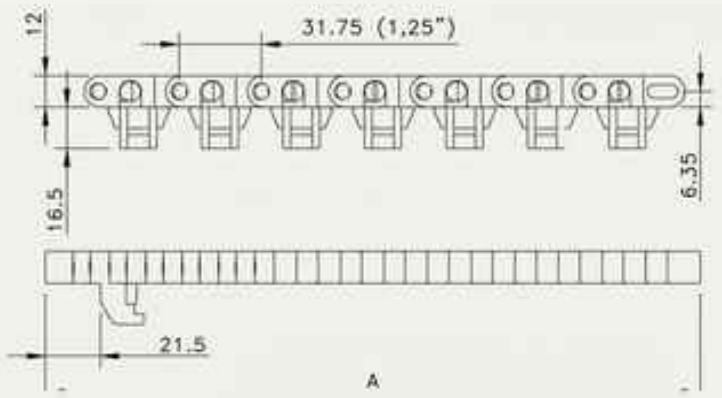
REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR)

RADIUS 1265 REINFORCED OUTER MODULES



RADIUS 1265 BELT WITH REINFORCED OUTER MODULES



RADIUS 1265 BELT SECTION: 12.7, 16.5, 6.35, 31.75 (1,25"), 21.5, A

RADIUS 1265 REINFORCED OUTER MODULES

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			MM	MM	DRY	WET	N/M (21°C)	N	KG/M²	MM
XLG-ACETAL WITH PBT PINS										
Tabs/Flat	RBT 1265 RB XLG/B 255	864.60.12	255	510	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 340	864.60.13	340	680	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 425	864.60.14	425	850	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 510	864.60.15	510	1020	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 595	864.60.16	595	1190	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 680	864.60.17	680	1360	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 765	864.60.18	765	1530	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 850	864.60.19	850	1700	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 935	864.60.20	935	1870	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	RBT 1265 RB XLG/B 1020	864.60.21	1020	2040	-40 to 80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B255	864.00.12	255	510	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B340	864.00.13	340	680	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B425	864.00.14	425	850	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B510	864.00.15	510	1020	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B595	864.00.16	595	1190	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B680	864.00.17	680	1360	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B765	864.00.18	765	1530	-40 to +80	-40 to +65	22000	3000	8.00	25

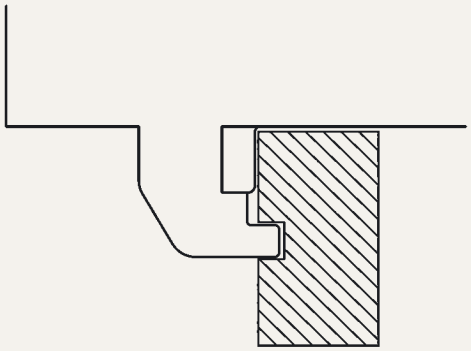
Other widths (17 mm increments from standard) available upon request.

REXNORD

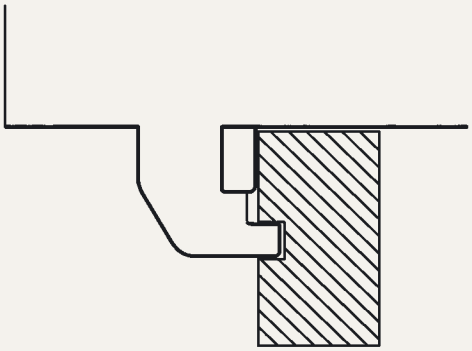
1200-SERIES REGINA CHAINS (MATVEYOR) (CONT.)

RADIUS 1265 REINFORCED OUTER MODULES (CONT.)

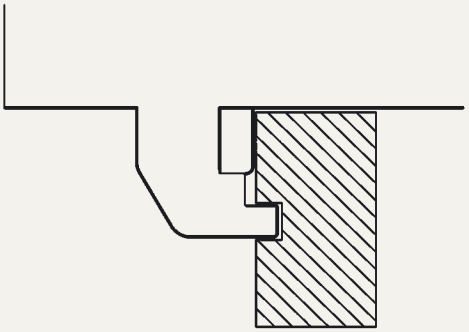
ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			MM	MM	DRY	WET	N/M (21°C)	N	KG/M²	MM
Tabs/Positrack	RBT 1265 RBP XLG/B850	864.00.19	850	1700	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B935	864.00.20	935	1870	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Positrack	RBT 1265 RBP XLG/B1020	864.00.21	1020	2040	-40 to +80	-40 to +65	22000	3000	8.00	25
WSM-ACETAL WITH PBT PINS										
Tabs/Flat	WSM/B 1265 RBT RB 255	864.90.12	255	510	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 340	864.90.13	340	680	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 425	864.90.14	425	850	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 510	864.90.15	510	1020	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 595	864.90.16	595	1190	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 680	864.90.17	680	1360	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 765	864.90.18	765	1530	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 850	864.90.19	850	1700	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 935	864.90.20	935	1870	-40 to +80	-40 to +65	22000	3000	8.00	25
Tabs/Flat	WSM/B 1265 RBT RB 1020	864.90.21	1020	2040	-40 to +80	-40 to +65	22000	3000	8.00	25



TABS/FLAT – XLG CROSS-SECTION



TABS/POSITRACK – XLG CROSS-SECTION

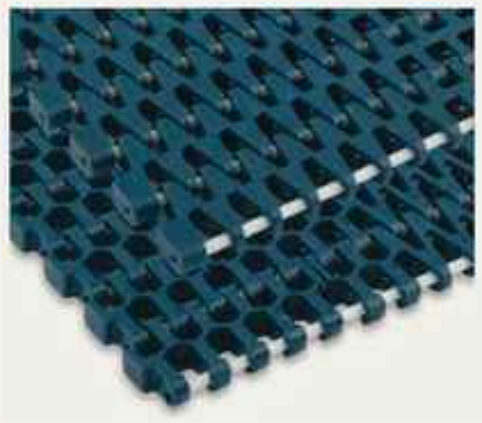


TABS/FLAT – WSM CROSS-SECTION

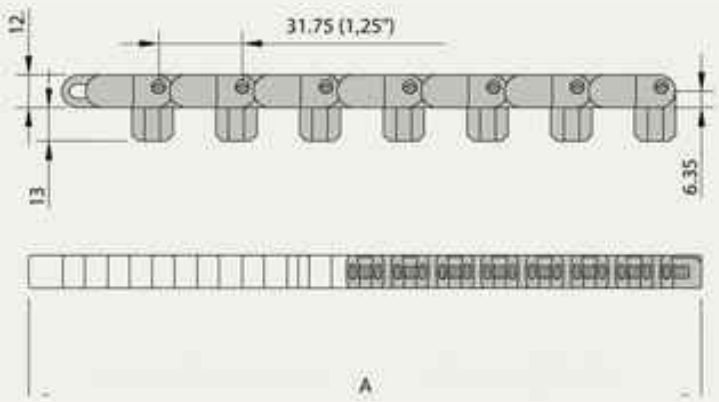
REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR)

RADIUS 1275 TIGHT RADIUS INNER MODULES



RADIUS 1275 BELT WITH TIGHT RADIUS INNER MODULES



RADIUS 1275 BELT SECTION: 12.7, 13, 6.35, 31.75 (1,25"), A

RADIUS 1275 TIGHT RADIUS INNER MODULES

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			MM	MM	DRY	WET	N/M (21°C)	N	KG/M²	MM
XLG-ACETAL WITH PBT PINS										
Flat	XLG 1275 RB-RB 255	860.90.12	255	300	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 340	860.90.13	340	400	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 425	860.90.14	425	500	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 510	860.90.15	510	600	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 595	860.90.16	595	720	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 680	860.90.17	680	880	-40 to +80	-40 to +65	22000	2000	8.00	25
Flat	XLG 1275 RB-RB 765	860.90.18	765	1040	-40 to +80	-40 to +65	22000	2000	8.00	25
XLG-ACETAL WITH PBT PINS										
Positrack/Flat	XLG 1275 RBP-RB 255	864.70.12	255	300	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 340	864.70.13	340	400	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 425	864.70.14	425	500	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 510	864.70.15	510	600	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 595	864.70.16	595	720	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 680	864.70.17	680	880	-40 to +80	-40 to +65	22000	2000	8.00	25
Positrack/Flat	XLG 1275 RBP-RB 765	864.70.18	765	1040	-40 to +80	-40 to +65	22000	2000	8.00	25
XLG-ACETAL WITH PBT PINS										
Tabs/Flat	XLG 1275 RBT-RB 255	876.11.36	255	300	-40 to +80	-40 to +65	22000	2000	8.00	25
Tabs/Flat	XLG 1275 RBT-RB 340	876.15.31	340	400	-40 to +80	-40 to +65	22000	2000	8.00	25

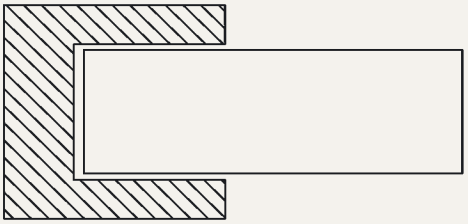
Other widths (17 mm increments from standard) and materials available upon request.

REXNORD

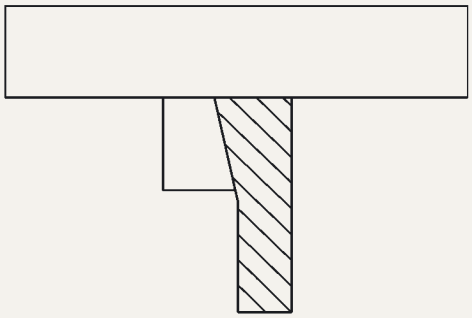
1200-SERIES REGINA CHAINS (MATVEYOR) (CONT.)

RADIUS 1275 TIGHT RADIUS INNER MODULES (CONT.)

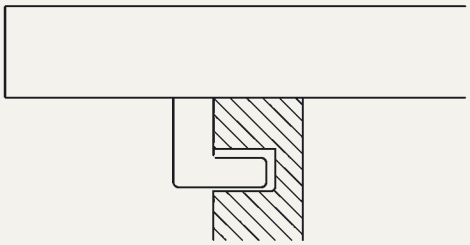
ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			MM	MM	DRY	WET	N/M (21°C)	N	KG/M²	MM
Tabs/Flat	XLG 1275 RBT-RB 425	876.13.59	425	500	-40 to +80	-40 to +65	22000	2000	8.00	25
Tabs/Flat	XLG 1275 RBT-RB 510	876.20.20	510	600	-40 to +80	-40 to +65	22000	2000	8.00	25
Tabs/Flat	XLG 1275 RBT-RB 595	876.38.49	595	720	-40 to +80	-40 to +65	22000	2000	8.00	25
Tabs/Flat	XLG 1275 RBT-RB 680	876.17.92	680	880	-40 to +80	-40 to +65	22000	2000	8.00	25
Tabs/Flat	XLG 1275 RBT-RB 765	876.38.50	765	1040	-40 to +80	-40 to +65	22000	2000	8.00	25



FLAT – CROSS-SECTION



POSITRACK/FLAT – CROSS-SECTION



TABS/FLAT – CROSS-SECTION

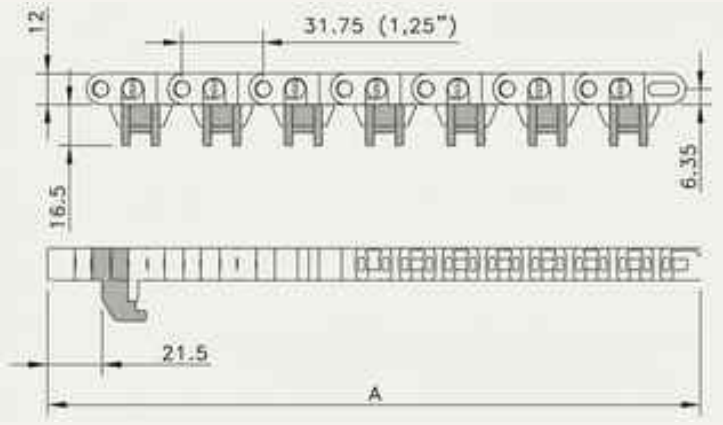
REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR)

RADIUS 1285 REINFORCED OUTER AND TIGHT FIT INNER MODULES



RADIUS 1285 BELT WITH REINFORCED OUTER AND TIGHT FIT INNER MODULES



BELT CROSS-SECTION AND SIDE VIEW – PITCH 31.75 (1,25"), 12.7, 16.5, 6.35, 21.5, WIDTH A

RADIUS 1285 REINFORCED OUTER AND TIGHT FIT INNER MODULES

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			MM	MM	DRY	WET	N/M (21°C)	N	KG/M2	MM
XLG-ACETAL WITH PBT PINS										
Tabs/Flat	RBT 1285 RB XLG/B 425	863.60.14	425	500	-40 to +80	-40 to +65	22000	3000	8.00	25
	RBT 1285 RB XLG/B 510	863.60.15	510	600						
	RBT 1285 RB XLG/B 595	863.60.16	595	720						
	RBT 1285 RB XLG/B 680	863.60.17	680	880						
	RBT 1285 RB XLG/B 765	863.60.18	765	1040						
	RBT 1285 RB XLG/B 850	863.60.19	850	1200						
	RBT 1285 RB XLG/B 935	863.60.20	935	1350						
	RBT 1285 RB XLG/B 1020	863.60.21	1020	1500						
WSM-ACETAL WITH PBT PINS										
Tabs/Flat	WSM/B 1285 RBT RB 425	865.10.14	425	500	-40 to +80	-40 to +65	22000	3000	8.00	25
	WSM/B 1285 RBT RB 510	865.10.15	510	600						
	WSM/B 1285 RBT RB 595	865.10.16	595	720						
	WSM/B 1285 RBT RB 680	865.10.17	680	880						
	WSM/B 1285 RBT RB 765	865.10.18	765	1040						
	WSM/B 1285 RBT RB 850	865.10.19	850	1200						
	WSM/B 1285 RBT RB 935	865.10.20	935	1350						
	WSM/B 1285 RBT RB 1020	865.10.21	1020	1500						

Other widths (17 mm increments from standard) available upon request.
For 1285 belts with Positrack, please contact Customer Service.

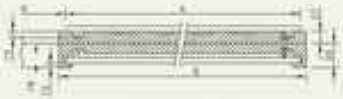
REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR)

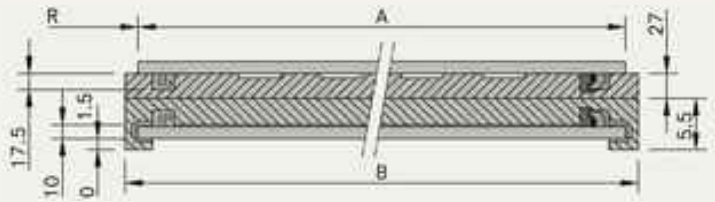
CURVES AND SPROCKETS



90° CURVE



CURVE PLAN VIEW – RADIUS R, BELT WIDTH A, CURVE WIDTH B



CURVE SECTION – R, A, B, HEIGHT 27, 17.5, 15, 10, 5.5

CURVES

These curves include a curve guiding profile. Including 100 mm long straight sections at upper part.

Other angles and non-standard tab curves on request.

CURVES

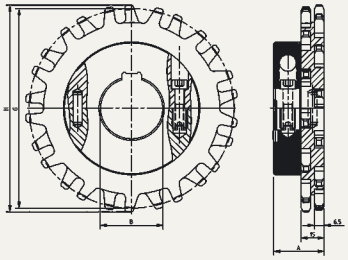
CODE NUMBER	RADIUS R MM	BELT WIDTH A MM	CURVE WIDTH B MM	HEIGHT MM	ANGLE
FOR 1255 RBP					
805.02.02	510	255	281	27 + 55	90°
805.02.03	680	340	366		
805.02.04	850	425	451		
805.02.05	1020	510	536		
805.02.06	1190	595	621		
805.02.07	1360	680	706		
FOR 1275 RBP					
805.22.61	300	255	281	27+55	90°
805.22.62	400	340	366		
805.22.63	500	425	451		
805.22.64	600	510	536		
805.22.65	720	595	621		
805.22.66	880	680	706		
FOR 1265 RBT					
806.40.13	510	255	281	27+55	90°
806.40.14	680	340	366		
806.40.15	850	425	451		
806.40.16	1020	510	536		
806.40.17	1190	595	621		
806.40.18	1360	680	706		
FOR 1285 RBT					
806.40.19	500	425	451	27+55	90°
806.40.20	600	510	536		
806.40.21	720	595	621		
806.40.22	880	680	706		

REXNORD

1200-SERIES REGINA CHAINS (MATVEYOR) (CONT.)



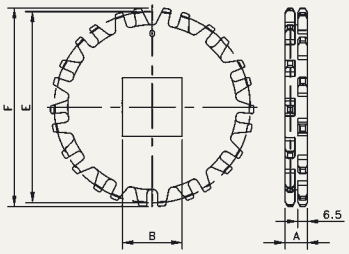
ROUND BORE SPROCKET



ROUND BORE SPROCKET – FACE AND SIDE VIEW



SQUARE BORE SPROCKET



SQUARE BORE SPROCKET – FACE AND SIDE VIEW WITH BORE B, PITCH DIAMETER E, OUTSIDE DIAMETER F

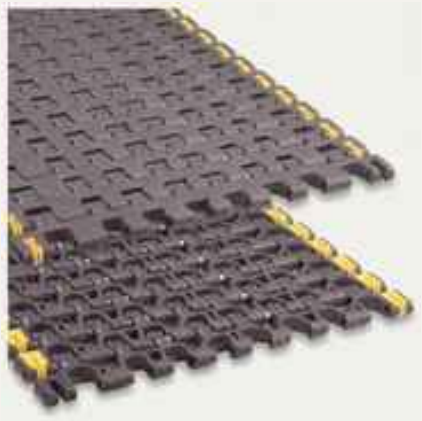
SPROCKETS

SPROCKET TYPE	CODE NUMBER	NUMBER OF TEETH	BORE B MM/INCH	PITCH DIAMETER E MM	OUTSIDE DIAMETER F MM	HUB WIDTH A MM
SPLIT SPROCKETS						
ROUND BORES						
KUS1200-10T_30MM_1KW_PA	10331532	10	30	102.8	106.6	32.5
KUS1200-13T_40MM_1KW_PA	10332246	13	40	132.7	137.5	
KUS1200-15T_40MM_1KW_PA	10362432	15	40	152.7	158.1	
KUS1200-16T_40MM_1KW_PA	10332249	16	40	162.8	168.3	
SQUARE BORES						
KUS1200-10T_30MM_S_PA	10331531	10	30	102.8	106.6	32.5
KUS1200-13T_40MM_S_PA	10332245	13	40	132.7	137.5	
KUS1200-15T_40MM_S_PA	10332248	15	40	152.7	158.1	
KUS1200-16T_40MM_S_PA	10362435	16	40	162.8	168.3	
CLASSIC SPROCKETS						
ROUND BORES						
KU1200-10T_30MM_1KW_PA	10331347	10	30	102.8	106.6	15.0
KU1200-13T_40MM_1KW_PA	10332071	13	40	132.7	137.5	
KU1200-15T_40MM_1KW_PA	10332074	15	40	152.7	158.1	
KU1200-16T_40MM_1KW_PA	10332077	16	40	162.8	168.3	
SQUARE BORES						
KU1200-10T_40MM_S_PA	10332070	10	40	102.8	106.6	15.0
KU1200-13T_40MM_S_PA	10332073	13	40	132.7	137.5	
KU1200-15T_40MM_S_PA	10332076	15	40	152.7	158.1	
KU1200-16T_40MM_S_PA	10332079	16	40	162.8	168.3	

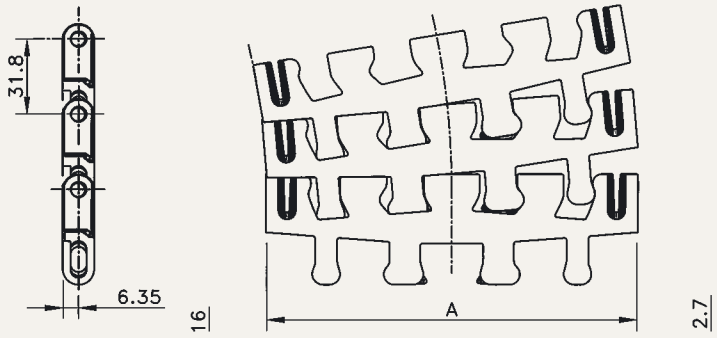
REXNORD

7956-SERIES

RADIUS 7956



RADIUS 7956 BELT



BELT SIDE VIEW, TOP VIEW AND SECTION – 31.8, 6.35, 16, 12.7, WIDTH A

RADIUS 7956

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			INCH	INCH	DRY	WET	N/M (21°C)	N	KG/M2	MM
HP-ACETAL WITH POLYPROPYLENE PINS										
Flat	HP 7956 NT-K6	81417101	6	12	-40 to + 80	-40 to +65	2000	2000	11.7	152
	HP 7956 NT-K12	81429711	12	24			3560	3560		
	HP 7956 NT-K15	81427901	15	30			4000	4000		
	HP 7956 NT-K18	81427911	18	36			4225	4225		
	HP 7956 NT-K24	81428241	24	48			5300	5300		
	HP 7956 NT-K30	81428631	30	60			5780	5780		
Tabs Two Sides (Hold-Down)	HP 7956 TAB-K6	81417091	6	12			2000	2000		
	HP 7956 TAB-K12	81429671	12	24			3560	3560		
	HP 7956 TAB-K15	81415631	15	30			4000	4000		
	HP 7956 TAB-K18	81421801	18	36			4225	4225		
	HP 7956 TAB-K24	81419711	24	48			5300	5300		
	HP 7956 TAB-K30	81427261	30	60			5780	5780		
Tabs Two Sides (GT)	HP7956 GT-K6	81436441	6	12	-40 to + 80	-40 to +65	2000	2000	11.7	152
	HP7956 GT-K12	81436471	12	24			3560	3560		
	HP7956 GT-K15	81436501	15	30			4000	4000		
	HP7956 GT-K18	81436531	18	36			4225	4225		
	HP7956 GT-K24	81436561	24	48			5300	5300		
	HP7956 GT-K30	81436591	30	60			5780	5780		
Bearing (Every 2nd Row)	HP7956 B-K6 · CCW	81437471	6	12	-40 to + 80	-40 to +65	2000	2000	11.7	152
	HP7956 B-K6 · CW	81437461								
	HP7956 B-K6 · STURN	81437481								

REXNORD

7956-SERIES (CONT.)

RADIUS 7956 (CONT.)

ASSEMBLY	BELT TYPE	CODE NUMBER*	WIDTH A	SIDEFLEX RADIUS (MIN)	TEMPERATURE RANGE °C		WORKING LOAD (MAX.)		WEIGHT	BACKFLEX RADIUS (MIN.)
							STRAIGHT	IN CURVE		
			INCH	INCH	DRY	WET	N/M (21°C)	N	KG/M2	MM
	HP7956 B-K12 · CCW	81437491	12	24			3560	3560		
	HP7956 B-K12 · CW	81433641								
	HP7956 B-K12 · STURN	81437501								
	HP7956 B-K15 · CCW	81437521	15	30			4000	4000		
	HP7956 B-K15 · CW	81437511								
	HP7956 B-K15 · STURN	81437531								
	HP7956 B-K18 · CCW	81433441	18	36			4225	4225		
	HP7956 B-K18 · CW	81433691								
	HP7956 B-K18 · STURN	81437541								
	HP7956 B-K24 · CCW	81433611	24	48			5300	5300		
	HP7956 B-K24 · CW	81437551								
	HP7956 B-K24 · STURN	81437561								
	HP7956 B-K30 · CCW	81437581	30	60			5780	5780		
	HP7956 B-K30 · CW	81437571								
	HP7956 B-K30 · STURN	81437591								

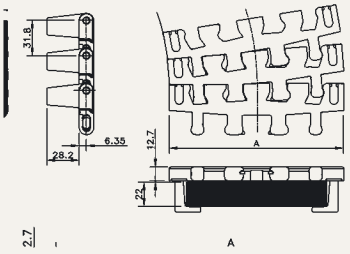
REXNORD

7956-SERIES

CURVES



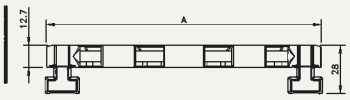
HOLD-DOWN TABS



HOLD-DOWN TAB BELT SECTION – 31.8, 28.2, 6.35, 12.7, 22, WIDTH A (MM)



GT TABS

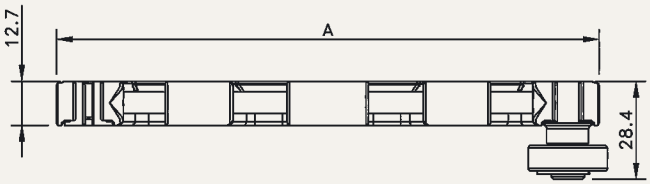


GT TAB BELT SECTION – 12.7, 28, WIDTH A (MM)

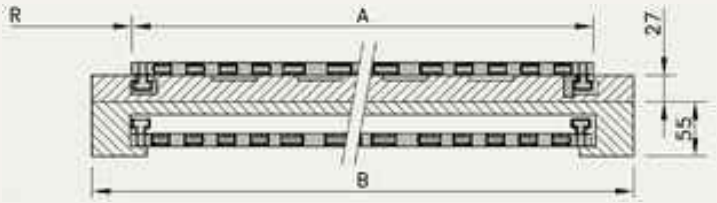


BEARINGS

GT



BEARING BELT SECTION – 12.7, 28.4, WIDTH A (MM)



CURVE DIMENSIONS – RADIUS R, BELT WIDTH A, CURVE WIDTH B, HEIGHT 27 + 55 (MM)

Curves for 7956 GT include a special curve guiding profile.

Other angles and non-standard tab curves on request.

CURVES

CODE NUMBER	RADIUS R MM	BELT WIDTH A MM	CURVE WIDTH B MM	HEIGHT MM	ANGLE
CURVES					
FOR 7956 B					
808.40.00	305	6	196	27+55	90°
808.40.01	610	12	366	27+55	90°
808.40.02	762	15	451	27+55	90°
808.40.03	915	18	536	27+55	90°
808.40.04	1220	24	706	27+55	90°
808.40.05	1524	30	791	27+55	90°
FOR 7956 GT					
808.40.06	305	6	196	27+55	90°
808.40.07	610	12	366	27+55	90°
808.40.08	762	15	451	27+55	90°
808.40.09	915	18	536	27+55	90°
808.40.10	1220	24	706	27+55	90°

REXNORD

7956-SERIES

BRAND

SYSTEM PLAST

MODULAR BELTS & CHAINBELT

507 Series 2080
516 Series 2120
562 Series 2190
576 Series 2124
577 Series 2250
623 Series 2253
629 Series 2251
665 Series 2500 (Raised Rib)
669 Series 2508
672 Series 2630
675 Chainbelt (2250/2251/2260)
680 Additional Information

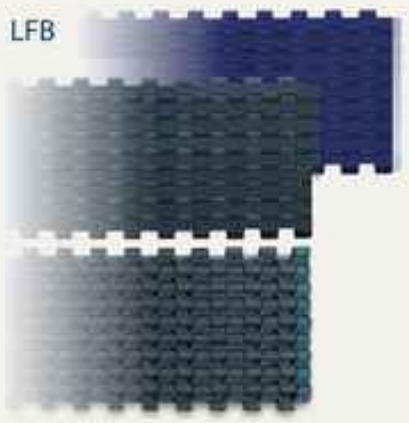
SYSTEM PLAST

SERIES 2080

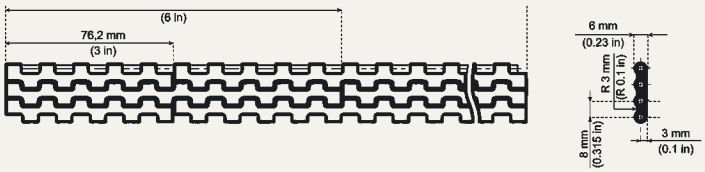
8 MM (1/3") MODULAR BELTS 2080 - MICROPITCH

FLAT TOP VERSION

8 mm (1/3 in) modular belts 2080 – Micropitch, flat top version.



LFB



BELT WIDTH W, MODULE LENGTHS 152,4 MM (6 IN) AND 76,2 MM (3 IN); BELT SECTION 6 MM (0.23 IN), 8 MM (0.315 IN), 3 MM (0.1 IN), R 3 MM (R 0.1 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 10 mm (0.39 in)

Max load capacity: 12500 N/m (850 lbs/ft.)

Weight: 5,5 Kg/m² (1.12 lbs/ft².)

Pin material: PBT (white)

Standard length: width ≤ 15 in: 3,040m (380 rows); width > 15 in ≤ 66 in: 1,520m (190 rows); width > 66 in: on request



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS

Information about this product is only available on our Smart Guide® website.

Standard materials: NGE (GREY BLUE) – New Generation®; LFB (BLUE) – Low friction acetal resin.

Also available into POM-AS (BLACK) – Anti-static acetal.

FLAT TOP VERSION - BELT WIDTHS

WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFB (BLUE)
76	3.00	NGE2080FT-K300	LFB2080FT-K300
152	6.00	NGE2080FT-K600	LFB2080FT-K600
229	9.00	NGE2080FT-K900	LFB2080FT-K900
305	12.00	NGE2080FT-K1200	LFB2080FT-K1200
381	15.00	NGE2080FT-K1500	LFB2080FT-K1500
457	18.00	NGE2080FT-K1800	LFB2080FT-K1800
533	21.00	NGE2080FT-K2100	LFB2080FT-K2100
610	24.00	NGE2080FT-K2400	LFB2080FT-K2400
686	27.00	NGE2080FT-K2700	LFB2080FT-K2700
762	30.00	NGE2080FT-K3000	LFB2080FT-K3000

Other widths available on request.

FLAT TOP VERSION - BELT WIDTHS (CONT.)

WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFB (BLUE)
838	33.00	NGE2080FT-K3300	LFB2080FT-K3300
914	36.00	NGE2080FT-K3600	LFB2080FT-K3600
991	39.00	NGE2080FT-K3900	LFB2080FT-K3900
1067	42.00	NGE2080FT-K4200	LFB2080FT-K4200
1143	45.00	NGE2080FT-K4500	LFB2080FT-K4500
1219	48.00	NGE2080FT-K4800	LFB2080FT-K4800
1295	51.00	NGE2080FT-K5100	LFB2080FT-K5100
1372	54.00	NGE2080FT-K5400	LFB2080FT-K5400
1448	57.00	NGE2080FT-K5700	LFB2080FT-K5700
1524	60.00	NGE2080FT-K6000	LFB2080FT-K6000
1600	63.00	NGE2080FT-K6300	LFB2080FT-K6300
1676	66.00	NGE2080FT-K6600	LFB2080FT-K6600

SYSTEM PLAST

SERIES 2080

DRIVE SPROCKETS

DRIVE SPROCKETS

For belt 2080.



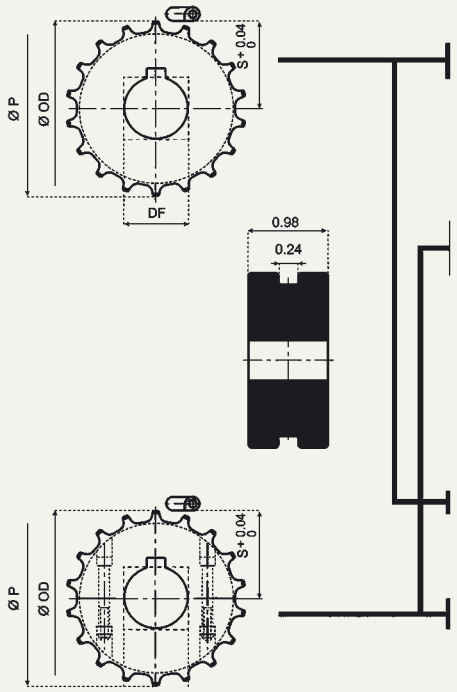
DRIVE SPROCKET FOR BELT 2080

FEATURES

- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
18	1.79	1.81	0.83
24	2.39	2.41	1.10
32	3.19	3.21	1.50
36	3.56	3.61	1.71



DRIVE SPROCKET DIMENSIONS – Ø OD, Ø P, DF, S +0.04/0, 0.98, 0.24 (ROUND BORE AND SQUARE BORE VERSIONS)

MACHINED DRIVE SPROCKETS - ONE PIECE, TIGHT

Z	Ø 1
	ITEM DESCRIPTION
18	2080-18R1-DM-SS

MACHINED DRIVE SPROCKETS - SPLIT, FIXED

Z	Ø 20 (MM)	Ø 1	Ø 1¼
	ITEM DESCRIPTION		
24	2080-24R20M-DMS	-	2080-24R1.25-DMS-SS
32	-	2080-32R1-DMS-SS	2080-32R1.25-DMS-SS
36	-	2080-36R1-DMS-SS	2080-36R1.25-DMS-SS

Material: polyamide (natural white).

MACHINED DRIVE SPROCKETS SQUARE BORE - ONE PIECE, FLOATING

MACHINED DRIVE SPROCKETS SQUARE BORE - SPLIT, FLOATING

SYSTEM PLAST

SERIES 2080

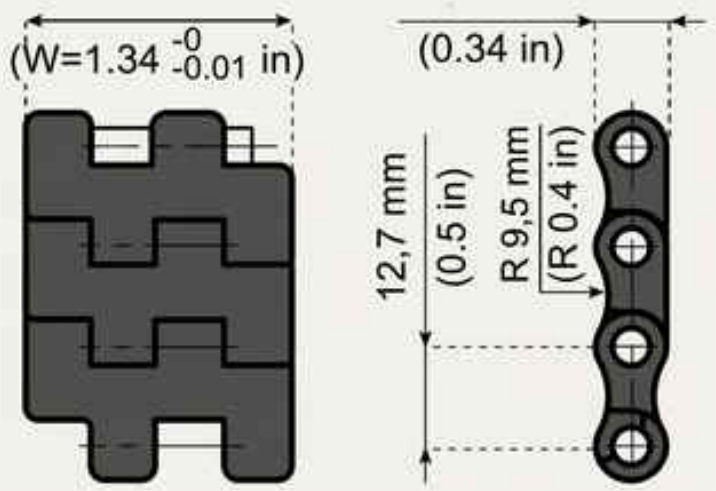
12,7 MM (½") MODULAR BELTS – SINGLE TRACK FLAT TOP

NEW NG® EVO

NG® evo conveyor components made from engineered plastic resin

FEATURES

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

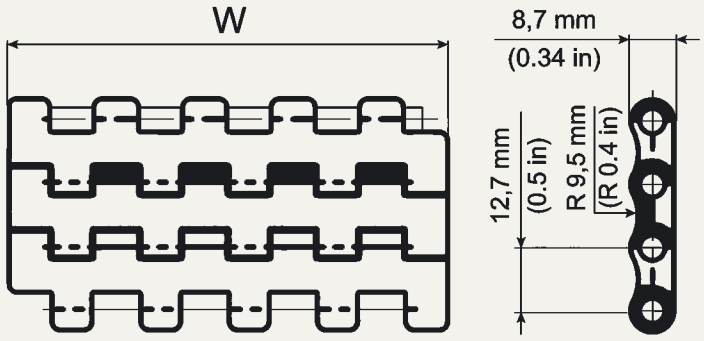


2124 VERSIONS: 34 MM (1.34 IN) WIDE – W=34 -0/-0.3 MM (W=1.34 -0/-0.01 IN), 12,7 MM (0.5 IN) PITCH, 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 4,35 MM (0.17 IN), K 134

2124 VERSIONS: 34 MM (1.34 IN) WIDE

ITEM DESCRIPTION	MATERIAL	WIDTH W		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2124FT-K134	NGE Grey Blue	34	1.34	10	0.39	300	65	0,3	0.2

Pin material: PBT (white)
Standard length: 240 pitches (3,048 m - 10 ft.)



2120/2121 VERSIONS: 51-190,5 MM (2 - 7.5 IN) WIDE – WIDTH W, 12,7 MM (0.5 IN) PITCH, 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 4,35 MM (0.17 IN), K 200 TO K750

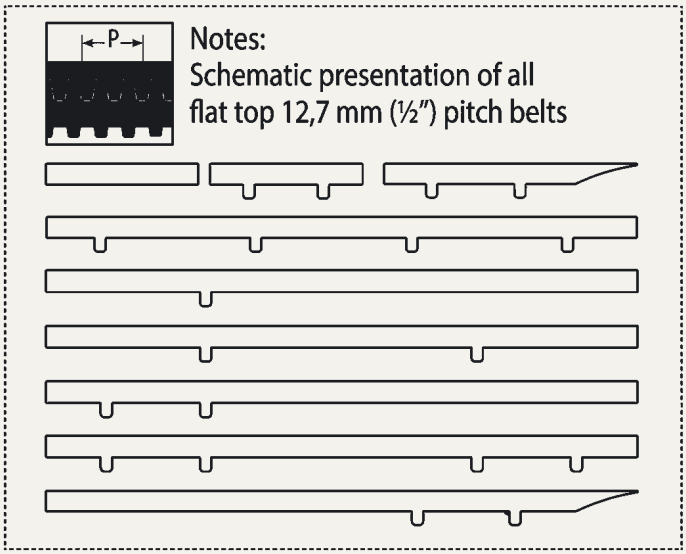
SYSTEM PLAST

SERIES 2080 (CONT.)

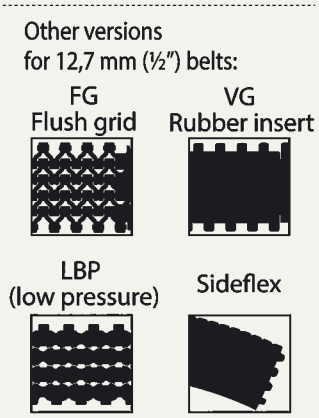
2120/2121 VERSIONS: 51-190,5 MM (2 - 7.5 IN) WIDE

ITEM DESCRIPTION	MATERIAL	WIDTH W		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2121FT-K200	NGE Grey Blue	51	2	10	0.39	680	150	0,45	0.30
NGE2121FT-K300	NGE Grey Blue	76,2	3	10	0.39	1370	300	0,7	0.47
NGE2121FT-K325	NGE Grey Blue	82,6	3.25	10	0.39	1490	330	0,7	0.47
NGE2120FT-K330	NGE Grey Blue	83,8	3.3	10	0.39	1490	330	0,7	0.47
NGE2121FT-K450	NGE Grey Blue	114,3	4.5	10	0.39	2060	460	1	0.67
NGE2121FT-K600	NGE Grey Blue	152,4	6	10	0.39	2750	610	1,3	0.87
NGE2121FT-K750	NGE Grey Blue	190,5	7.50	10	0.39	3430	760	1,7	1.14

Pin material: PBT (white)
Standard length: 240 pitches (3,048 m - 10 ft.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS

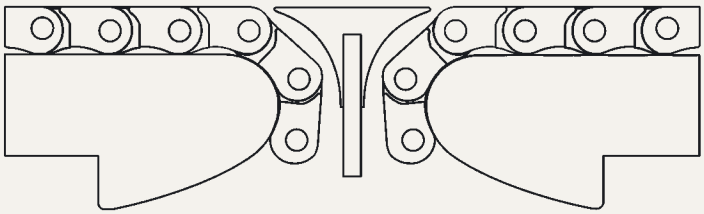


OTHER VERSIONS FOR 12,7 MM (½") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE), SIDEFLEX

STANDARD MATERIAL

Information about this product is only available on our Smart Guide® website.

NGE (GREY BLUE) — New Generation®



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS

SYSTEM PLAST

SERIES 2080

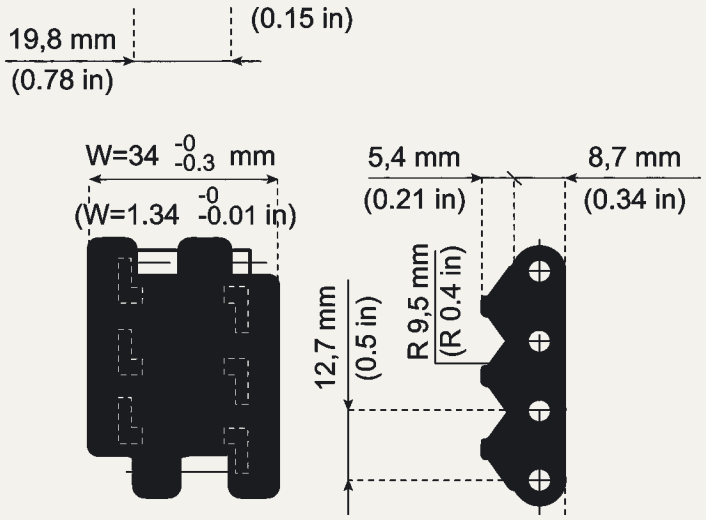
12,7 MM (½") MODULAR BELTS – SINGLE TRACK FLAT TOP WITH POSITIONERS

NEW NG® EVO

NG® evo conveyor components made from engineered plastic resin

FEATURES

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



2124 VERSIONS: 34 MM (1.34 IN) WIDE – POSITIONER 19,8 MM (0.78 IN) AND 3,9 MM (0.15 IN); W=34 -0/-0.3 MM (W=1.34 -0/-0.01 IN), 12,7 MM (0.5 IN), 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 4,35 MM (0.17 IN), K 134

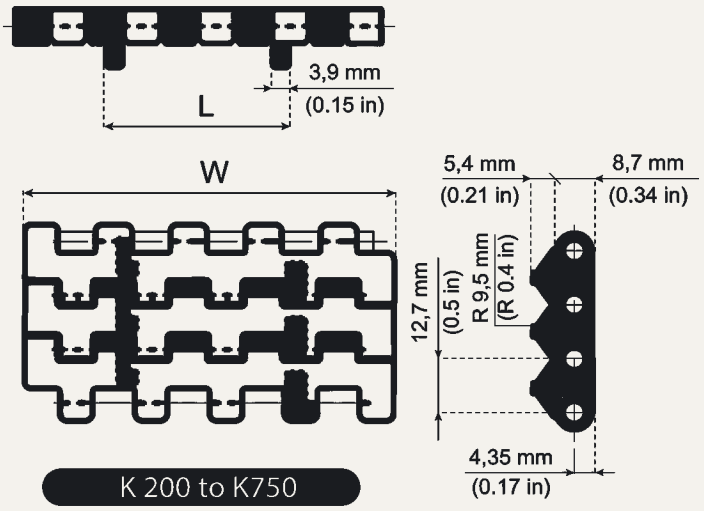
2124 VERSIONS: 34 MM (1.34 IN) WIDE

ITEM DESCRIPTION	MATERIAL	WIDTH W		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2124FT-PT-K134	NGE Grey Blue	34	1.34	10	0.39	300	65	0,3	0.2

Pin material: PBT (white)
Standard length: 240 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2080 (CONT.)

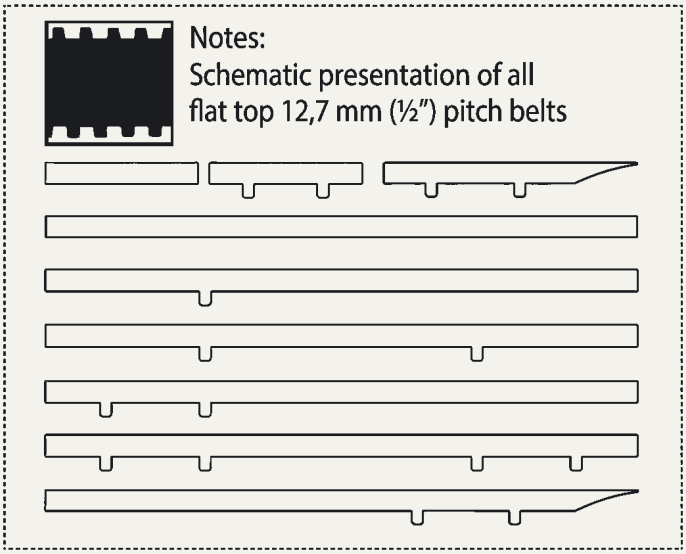


2120/2121 VERSIONS: 51-190,5 MM (2 & 7.5 IN) WIDE – POSITIONER PITCH L AND 3,9 MM (0.15 IN); WIDTH W, 12,7 MM (0.5 IN), 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 4,35 MM (0.17 IN), K 200 TO K750

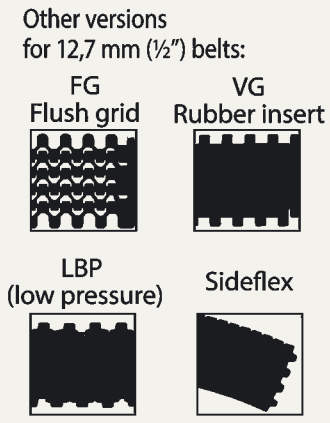
2120/2121 VERSIONS: 51-190,5 MM (2 & 7.5 IN) WIDE

ITEM DESCRIPTION	MATERIAL	L		WIDTH W		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2121FT-PT-K200	NGE Grey Blue	35,8	1.41	51	2	10	0.39	680	150	0,45	0.3
NGE2121FT-PT-K300	NGE Grey Blue	43,1	1.7	76,2	3	10	0.39	1370	300	0,7	0.47
NGE2121FT-PT-K325	NGE Grey Blue	43,1	1.7	82,6	3.25	10	0.39	1490	330	0,7	0.47
NGE2120FT-PT-K330	NGE Grey Blue	42,1	1.66	83,8	3.3	10	0.39	1490	330	0,7	0.47
NGE2121FT-PT-K450	NGE Grey Blue	43,1	1.7	114,3	4.5	10	0.39	2060	460	1	0.67
NGE2121FT-PT-K600	NGE Grey Blue	43,1	1.7	152,4	6	10	0.39	2750	610	1,3	0.87
NGE2121FT-PT-K750	NGE Grey Blue	43,1	1.7	190,5	7.5	10	0.39	3430	760	1,7	1.14

Pin material: PBT (white)
Standard length: 240 pitches (3,048 m - 10 ft.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS



OTHER VERSIONS FOR 12,7 MM (½") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE), SIDEFLEX

STANDARD MATERIAL

NGE (GREY BLUE) — New Generation®

SYSTEM PLAST

SERIES 2080

12,7 MM (½") 2120 WITH TRANSFER WING



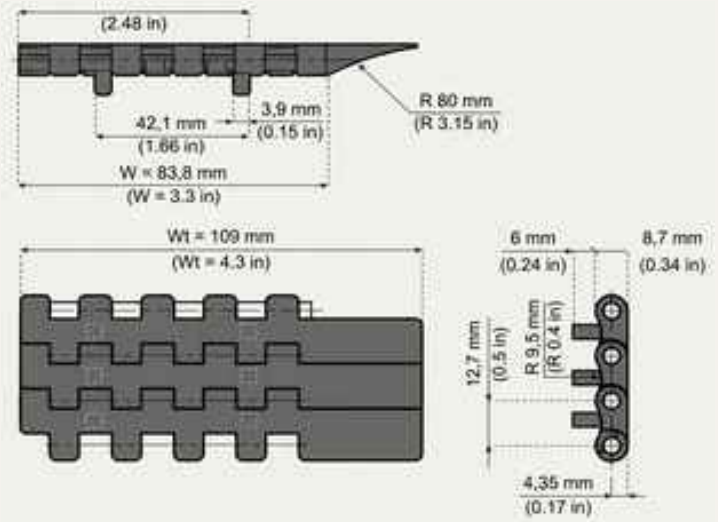
SERIES 2120 BELT WITH TRANSFER WING

NEW NG® EVO

NG® evo conveyor components made from engineered plastic resin

FEATURES

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



SINGLE TRACK – 63 MM (2.48 IN), 42,1 MM (1.66 IN), 3,9 MM (0.15 IN), W = 83,8 MM (W = 3.3 IN), R 80 MM (R 3.15 IN), WT = 109 MM (WT = 4.3 IN), 6 MM (0.24 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2120FT-PT-K330T	NGE Grey Blue	83,8	3.3	12,7	0.5	15	0.59	1490	330	0,9	0.6

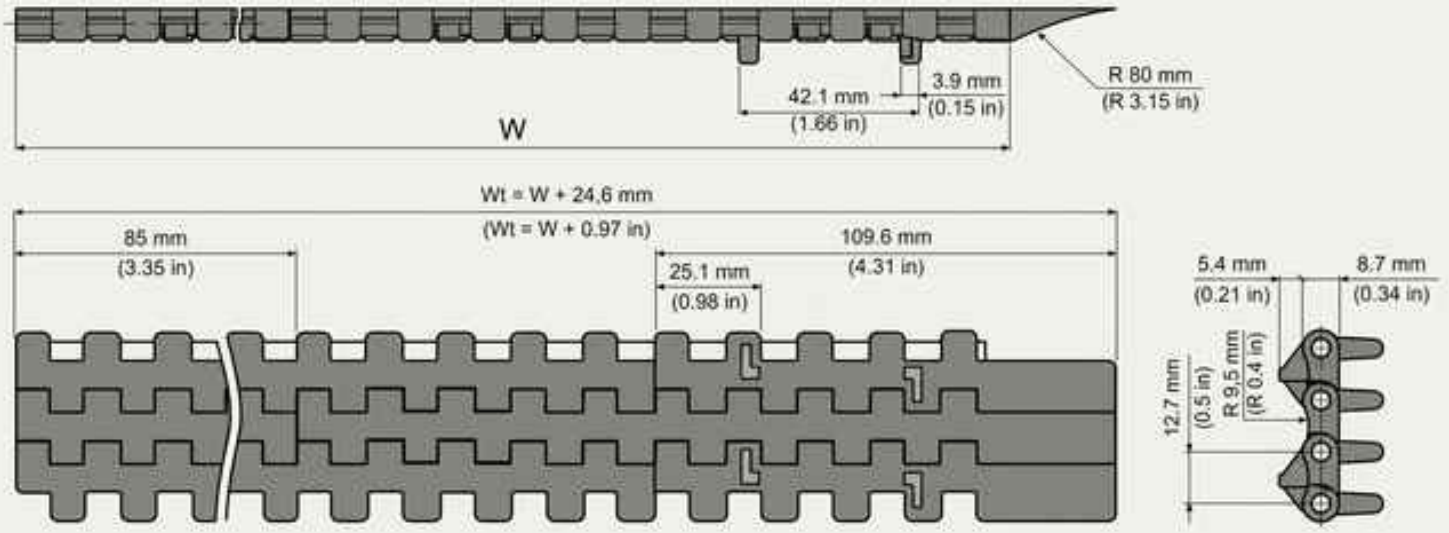
Pin material: PBT (white)
Standard length: 240 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2080 (CONT.)



WIDER VERSION BELT WITH TRANSFER WING



WIDER VERSIONS – W, 42,1 MM (1.66 IN), 3,9 MM (0.15 IN), R 80 MM (R 3.15 IN), WT = W + 24,6 MM (WT = W + 0.97 IN), 85 MM (3.35 IN), 25,1 MM (0.98 IN), 109,6 MM (4.31 IN), 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

WIDER VERSIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2120FT-PT-M0085T
170	6.69	NGE2120FT-PT-M0170T
255	10.04	NGE2120FT-PT-M0255T
340	13.39	NGE2120FT-PT-M0340T
425	16.73	NGE2120FT-PT-M0425T
510	20.08	NGE2120FT-PT-M0510T

Other widths available on request.

WIDER VERSIONS - TECHNICAL DATA

Backflex radius: 15 mm (0.59 in)

Max load capacity: 18000 N/m (1260 lbs/ft.)

Weight: 8,6 Kg/m^2 (1.75 lbs/ft^2.)

Pin material: PBT (white)

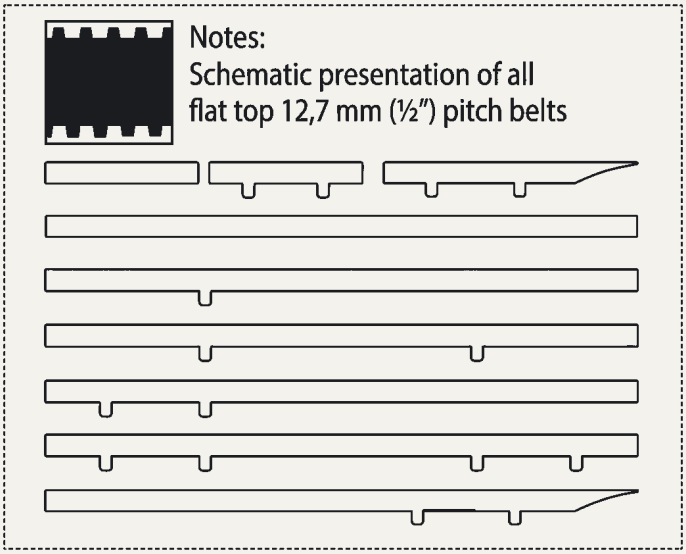
Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

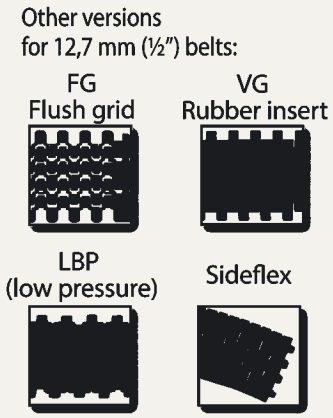
width > 340 mm (13.39 in): 1,524 m (5 ft.)

SYSTEM PLAST

SERIES 2080 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS



OTHER VERSIONS FOR 12,7 MM (½") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE), SIDEFLEX

STANDARD MATERIAL

NGE (GREY BLUE) — New Generation®

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS 2120 – FLAT TOP VERSION



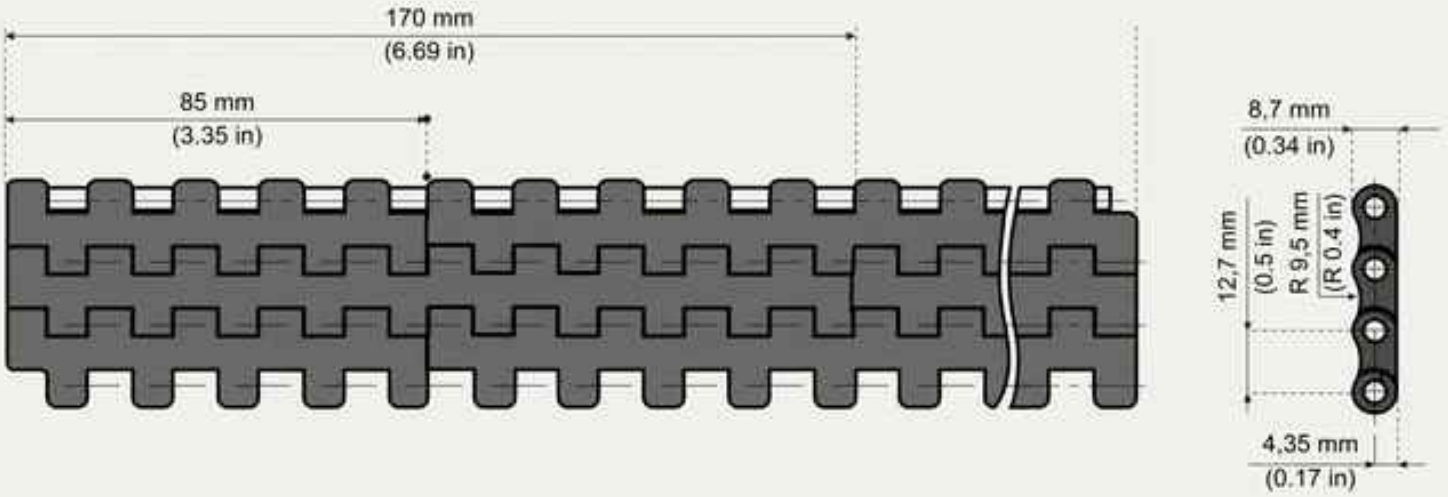
LFG AND NGE FLAT TOP BELT VERSIONS

NEW NG® EVO

NG® evo conveyor components made from engineered plastic resin

FEATURES

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



FLAT TOP VERSION – WIDTH W, 85 MM (3.35 IN), 170 MM (6.69 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2120 (CONT.)

TECHNICAL DATA

Backflex radius: 10 mm (0.39 in)

Max load capacity (LFG): 20000 N/m (1400 lbs/ft.)

Weight: 8,6 Kg/m^2 (1.75 lbs/ft^2.)

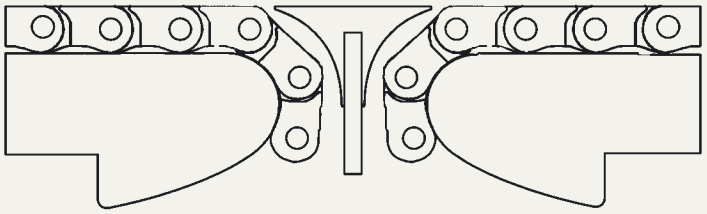
Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS

STANDARD MATERIALS

NGE (GREY BLUE)	LFG (GREY)
New Generation®	Low friction acetal resin

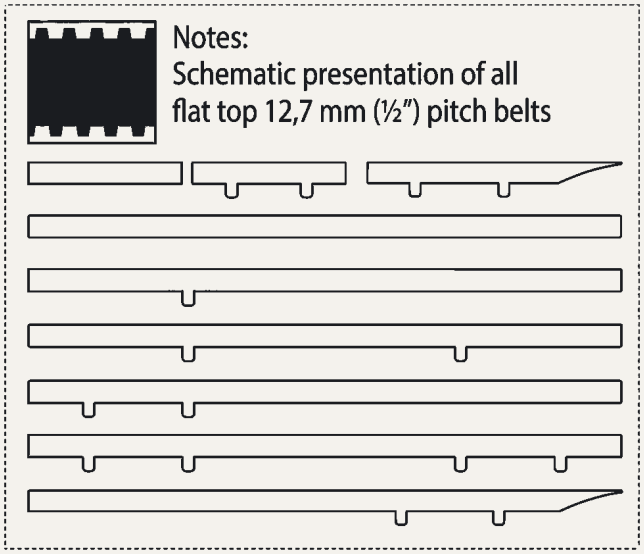
FLAT TOP VERSION - WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2120FT-M0085	LFG2120FT-M0085
170	6.69	NGE2120FT-M0170	LFG2120FT-M0170
255	10.04	NGE2120FT-M0255	LFG2120FT-M0255
340	13.39	NGE2120FT-M0340	LFG2120FT-M0340
425	16.73	NGE2120FT-M0425	LFG2120FT-M0425
510	20.08	NGE2120FT-M0510	LFG2120FT-M0510
595	23.43	NGE2120FT-M0595	LFG2120FT-M0595
680	26.77	NGE2120FT-M0680	LFG2120FT-M0680
765	30.12	NGE2120FT-M0765	LFG2120FT-M0765
850	33.46	NGE2120FT-M0850	LFG2120FT-M0850
935	36.81	NGE2120FT-M0935	LFG2120FT-M0935
1020	40.16	NGE2120FT-M1020	LFG2120FT-M1020
1105	43.50	NGE2120FT-M1105	LFG2120FT-M1105
1190	46.85	NGE2120FT-M1190	LFG2120FT-M1190
1275	50.20	NGE2120FT-M1275	LFG2120FT-M1275
1360	53.54	NGE2120FT-M1360	LFG2120FT-M1360
1445	56.89	NGE2120FT-M1445	LFG2120FT-M1445
1530	60.24	NGE2120FT-M1530	LFG2120FT-M1530
1615	63.58	NGE2120FT-M1615	LFG2120FT-M1615
1700	66.93	NGE2120FT-M1700	LFG2120FT-M1700
1785	70.28	NGE2120FT-M1785	LFG2120FT-M1785
1870	73.62	NGE2120FT-M1870	LFG2120FT-M1870
1955	76.97	NGE2120FT-M1955	LFG2120FT-M1955
2040	80.31	NGE2120FT-M2040	LFG2120FT-M2040
2125	83.66	NGE2120FT-M2125	LFG2120FT-M2125
2210	87.01	NGE2120FT-M2210	LFG2120FT-M2210
2295	90.35	NGE2120FT-M2295	LFG2120FT-M2295

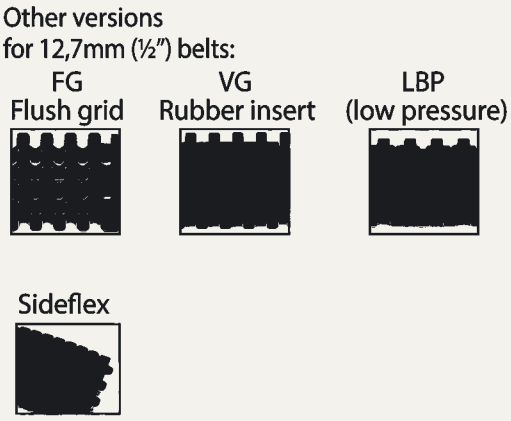
Other widths available on request.

SYSTEM PLAST

SERIES 2120 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS



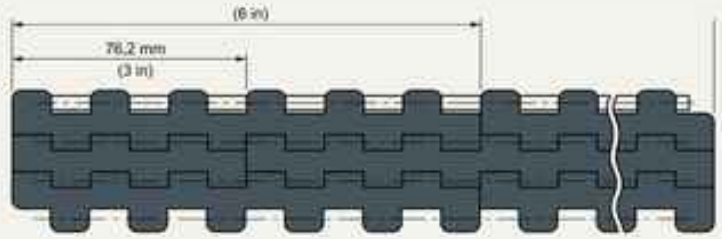
OTHER VERSIONS FOR 12,7 MM (½") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE), SIDEFLEX

Information about this product is only available on our Smart Guide® website.

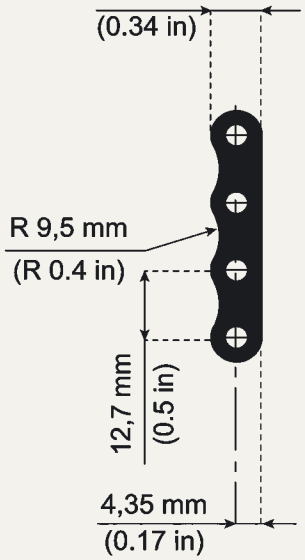
SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS 2121 – FLAT TOP VERSION, 76,2 MM (3") MODULES



BELT TOP VIEW – W, 152,4 MM (6 IN), 76,2 MM (3 IN)



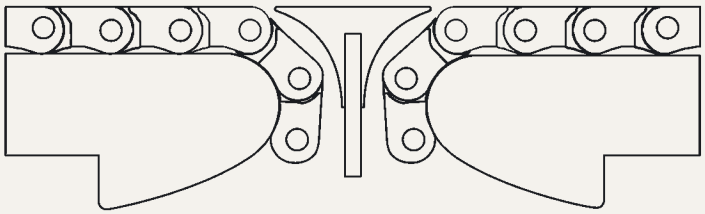
SECTION – 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Usually used on short conveyors with a Nose Bar to create extremely short transfers

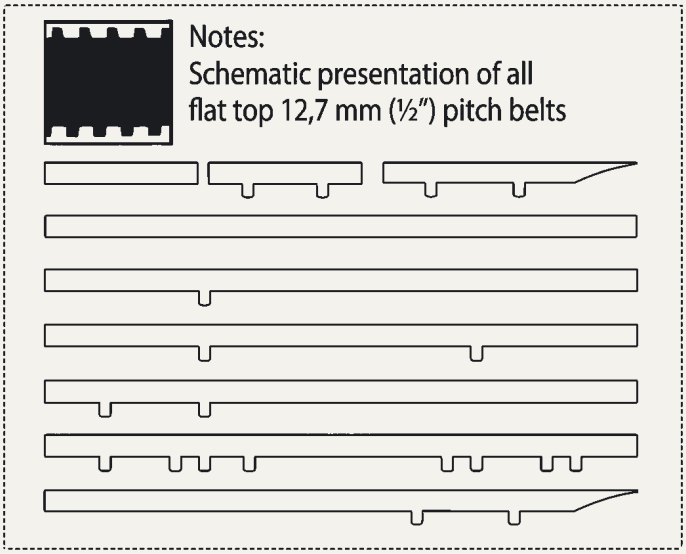
- **Backflex radius:** 10 mm (0.4 in)
- **Max load capacity:** 18000 N/m (1260 lbs/ft.)
- **Weight:** 8,8 Kg/m² (1.8 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 15 in: 3,048 m (10 ft.); width > 15 in ≤ 66 in: 1,524 m (5 ft.); width > 66 in: on request



NOSE BAR TRANSFER

SYSTEM PLAST

SERIES 2120 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

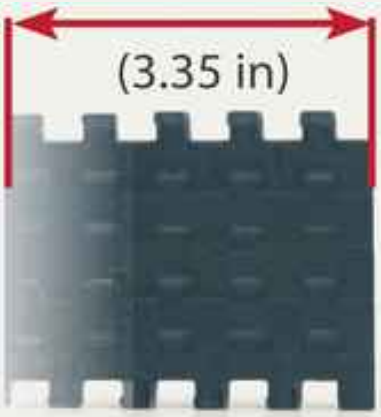
FG – Flush grid; VG – Rubber insert; LBP – (low pressure); Sideflex



FG FLUSH GRID



VG RUBBER INSERT



85 MM (3.35 IN) MODULE VERSION



LBP (LOW PRESSURE)



SIDEFLEX

Also available with 85 mm (3.35 in) modules. Go to:

Information about this product is only available on our Smart Guide® website.

Standard material
NGE (GREY BLUE) – New Generation®

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION - SERIES 2121 FLAT TOP

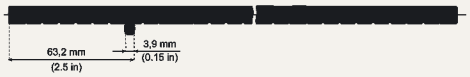
WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	Go to: 40030a
152	6.00	
229	9.00	NGE2121FT-K900
305	12.00	NGE2121FT-K1200
381	15.00	NGE2121FT-K1500
457	18.00	NGE2121FT-K1800
533	21.00	NGE2121FT-K2100
610	24.00	NGE2121FT-K2400
686	27.00	NGE2121FT-K2700
762	30.00	NGE2121FT-K3000
838	33.00	NGE2121FT-K3300
914	36.00	NGE2121FT-K3600
991	39.00	NGE2121FT-K3900
1067	42.00	NGE2121FT-K4200
1143	45.00	NGE2121FT-K4500
1219	48.00	NGE2121FT-K4800
1295	51.00	NGE2121FT-K5100
1372	54.00	NGE2121FT-K5400
1448	57.00	NGE2121FT-K5700
1524	60.00	NGE2121FT-K6000
1600	63.00	NGE2121FT-K6300
1676	66.00	NGE2121FT-K6600
1753	69.00	NGE2121FT-K6900
1829	72.00	NGE2121FT-K7200
1905	75.00	NGE2121FT-K7500
1981	78.00	NGE2121FT-K7800
2057	81.00	NGE2121FT-K8100
2134	84.00	NGE2121FT-K8400

Other widths available on request.

SYSTEM PLAST

SERIES 2120

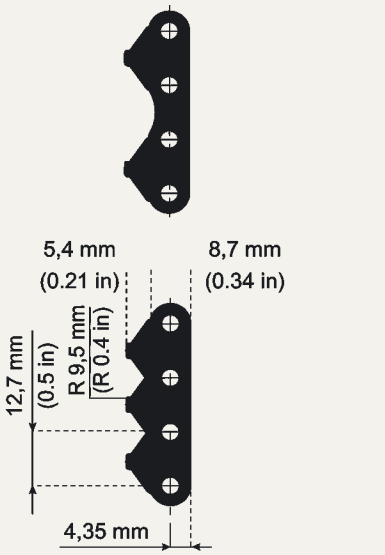
12,7 MM (½") MODULAR BELTS 2120 – FLAT TOP VERSION WITH POSITIONERS



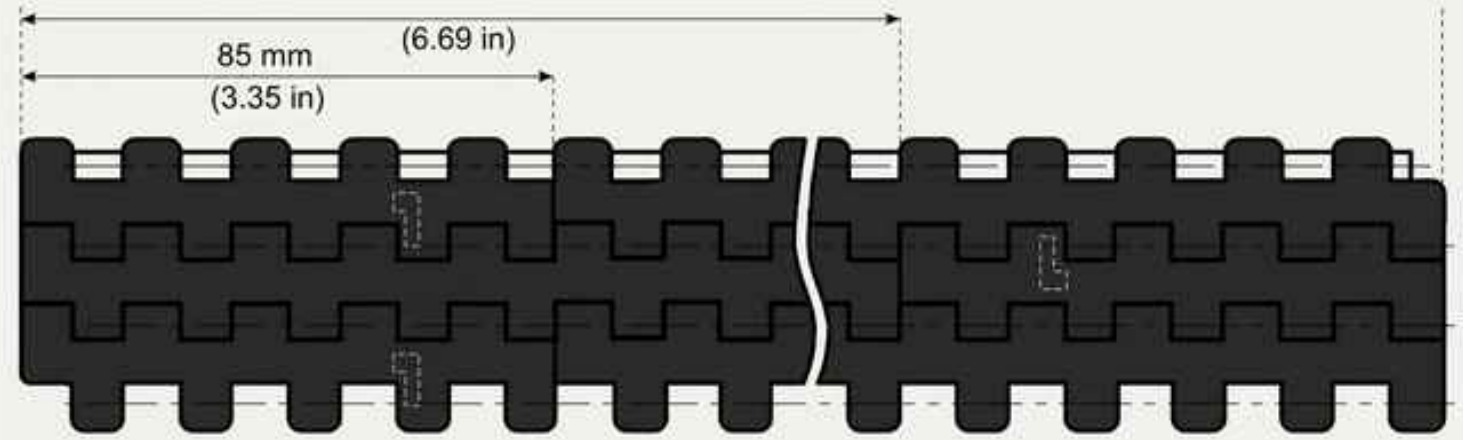
2120 FT-P – 63,2 MM (2.5 IN), 3,9 MM (0.15 IN)



2120 FT-P2 – 63,2 MM (2.5 IN), 3,9 MM (0.15 IN)



SECTION – 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)



BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)

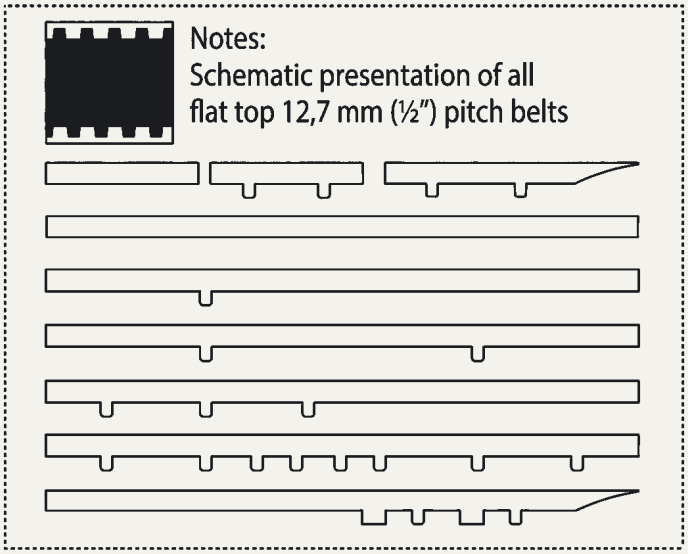
NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

- **Backflex radius:** 10 mm (0.4 in)
- **Max load capacity:** 20000 N/m (1400 lbs/ft.)
- **Weight:** 8,6 Kg/m² (1.75 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request

SYSTEM PLAST

SERIES 2120 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS



FG FLUSH GRID



VG RUBBER INSERT



LBP (LOW PRESSURE)



SIDEFLEX

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FG – Flush grid; VG – Rubber insert; LBP – (low pressure); Sideflex

Information about this product is only available on our Smart Guide® website.

Standard material

NGE (GREY BLUE) – New Generation®

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION - SERIES 2120 FLAT TOP WITH POSITIONERS

WIDTH W		ITEM DESCRIPTION	ITEM DESCRIPTION
MM	IN		
85	3.35	NGE2120FT-P-M0085	-
170	6.69	NGE2120FT-P-M0170	NGE2120FT-P2-M0170
255	10.04	NGE2120FT-P-M0255	NGE2120FT-P2-M0255
340	13.39	NGE2120FT-P-M0340	NGE2120FT-P2-M0340
425	16.73	NGE2120FT-P-M0425	NGE2120FT-P2-M0425
510	20.08	NGE2120FT-P-M0510	NGE2120FT-P2-M0510
595	23.43	NGE2120FT-P-M0595	NGE2120FT-P2-M0595
680	26.77	NGE2120FT-P-M0680	NGE2120FT-P2-M0680
765	30.12	NGE2120FT-P-M0765	NGE2120FT-P2-M0765
850	33.46	NGE2120FT-P-M0850	NGE2120FT-P2-M0850
935	36.81	NGE2120FT-P-M0935	NGE2120FT-P2-M0935
1020	40.16	NGE2120FT-P-M1020	NGE2120FT-P2-M1020
1105	43.50	NGE2120FT-P-M1105	NGE2120FT-P2-M1105
1190	46.85	NGE2120FT-P-M1190	NGE2120FT-P2-M1190
1275	50.20	NGE2120FT-P-M1275	NGE2120FT-P2-M1275
1360	53.54	NGE2120FT-P-M1360	NGE2120FT-P2-M1360
1445	56.89	NGE2120FT-P-M1445	NGE2120FT-P2-M1445
1530	60.24	NGE2120FT-P-M1530	NGE2120FT-P2-M1530
1615	63.58	NGE2120FT-P-M1615	NGE2120FT-P2-M1615
1700	66.93	NGE2120FT-P-M1700	NGE2120FT-P2-M1700
1785	70.28	NGE2120FT-P-M1785	NGE2120FT-P2-M1785
1870	73.62	NGE2120FT-P-M1870	NGE2120FT-P2-M1870

Other widths available on request.

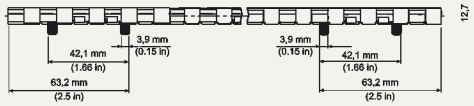
SYSTEM PLAST

SERIES 2120

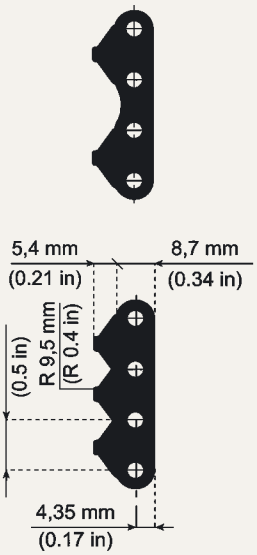
12,7 MM (½") MODULAR BELTS 2120 – FLAT TOP VERSION WITH TWIN POSITIONERS



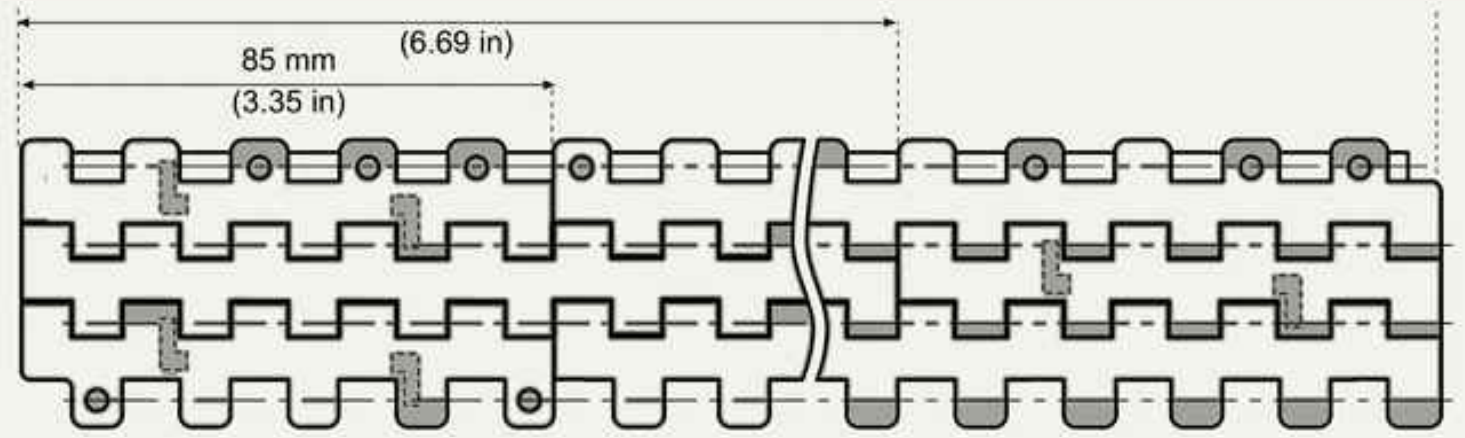
2120 FT-PT – 42,1 MM (1.66 IN), 63,2 MM (2.5 IN), 3,9 MM (0.15 IN)



2120FT-PT2 – 42,1 MM (1.66 IN), 63,2 MM (2.5 IN), 3,9 MM (0.15 IN)



SECTION – 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)



BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FG – Flush grid; VG – Rubber insert; LBP – (low pressure); Sideflex

- **Backflex radius:** 10 mm (0.4 in)
- **Max load capacity (LFG):** 20000 N/m (1400 lbs/ft.)
- **Weight:** 8,6 Kg/m² (1.75 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request

SYSTEM PLAST

SERIES 2120 (CONT.)



FG FLUSH GRID



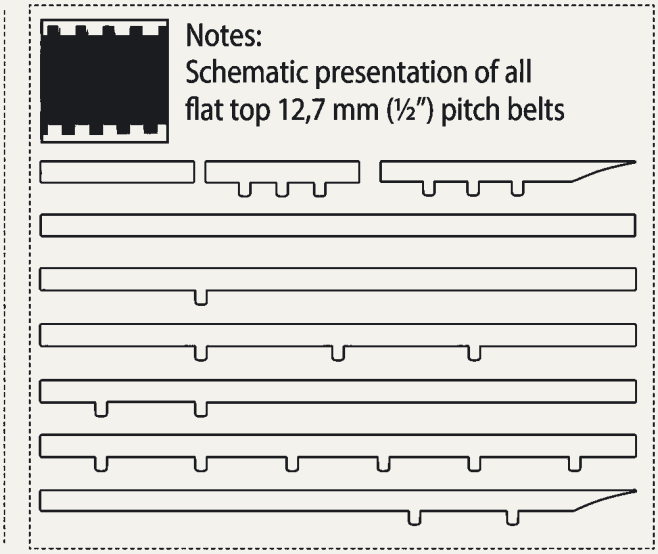
VG RUBBER INSERT



LBP (LOW PRESSURE)



SIDEFLEX



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 12,7 MM (½") PITCH BELTS

Information about this product is only available on our Smart Guide® website.

Standard material
NGE (GREY BLUE) – New Generation®
LFG (GREY) – Low friction acetal resin

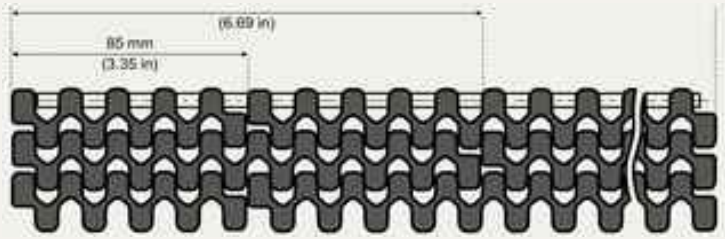
ITEM DESCRIPTION - SERIES 2120 FLAT TOP WITH TWIN POSITIONERS

WIDTH W		ITEM DESCRIPTION		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2120FT-PT-M0085	LFG2120FT-PT-M0085	-	-
170	6.69	NGE2120FT-PT-M0170	LFG2120FT-PT-M0170	NGE2120FT-PT2-M0170	LFG2120FT-PT2-M0170
255	10.04	NGE2120FT-PT-M0255	LFG2120FT-PT-M0255	NGE2120FT-PT2-M0255	LFG2120FT-PT2-M0255
340	13.39	NGE2120FT-PT-M0340	LFG2120FT-PT-M0340	NGE2120FT-PT2-M0340	LFG2120FT-PT2-M0340
425	16.73	NGE2120FT-PT-M0425	LFG2120FT-PT-M0425	NGE2120FT-PT2-M0425	LFG2120FT-PT2-M0425
510	20.08	NGE2120FT-PT-M0510	LFG2120FT-PT-M0510	NGE2120FT-PT2-M0510	LFG2120FT-PT2-M0510
595	23.43	NGE2120FT-PT-M0595	LFG2120FT-PT-M0595	NGE2120FT-PT2-M0595	LFG2120FT-PT2-M0595
680	26.77	NGE2120FT-PT-M0680	LFG2120FT-PT-M0680	NGE2120FT-PT2-M0680	LFG2120FT-PT2-M0680
765	30.12	NGE2120FT-PT-M0765	LFG2120FT-PT-M0765	NGE2120FT-PT2-M0765	LFG2120FT-PT2-M0765
850	33.46	NGE2120FT-PT-M0850	LFG2120FT-PT-M0850	NGE2120FT-PT2-M0850	LFG2120FT-PT2-M0850
935	36.81	NGE2120FT-PT-M0935	LFG2120FT-PT-M0935	NGE2120FT-PT2-M0935	LFG2120FT-PT2-M0935
1020	40.16	NGE2120FT-PT-M1020	LFG2120FT-PT-M1020	NGE2120FT-PT2-M1020	LFG2120FT-PT2-M1020
1105	43.50	NGE2120FT-PT-M1105	LFG2120FT-PT-M1105	NGE2120FT-PT2-M1105	LFG2120FT-PT2-M1105
1190	46.85	NGE2120FT-PT-M1190	LFG2120FT-PT-M1190	NGE2120FT-PT2-M1190	LFG2120FT-PT2-M1190
1275	50.20	NGE2120FT-PT-M1275	LFG2120FT-PT-M1275	NGE2120FT-PT2-M1275	LFG2120FT-PT2-M1275
1360	53.54	NGE2120FT-PT-M1360	LFG2120FT-PT-M1360	NGE2120FT-PT2-M1360	LFG2120FT-PT2-M1360
1445	56.89	NGE2120FT-PT-M1445	LFG2120FT-PT-M1445	NGE2120FT-PT2-M1445	LFG2120FT-PT2-M1445
1530	60.24	NGE2120FT-PT-M1530	LFG2120FT-PT-M1530	NGE2120FT-PT2-M1530	LFG2120FT-PT2-M1530
1615	63.58	NGE2120FT-PT-M1615	LFG2120FT-PT-M1615	NGE2120FT-PT2-M1615	LFG2120FT-PT2-M1615
1700	66.93	NGE2120FT-PT-M1700	LFG2120FT-PT-M1700	NGE2120FT-PT2-M1700	LFG2120FT-PT2-M1700

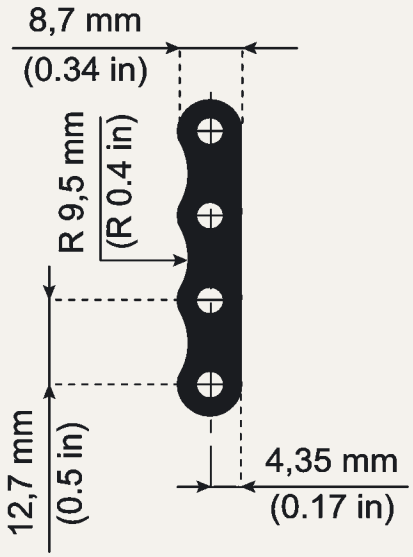
SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS 2120 – FLUSH GRID VERSION, 85 MM (3.35 IN) MODULES



BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)



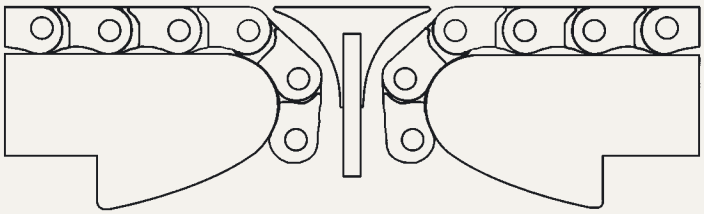
SECTION – 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Can be used with a nose bar to create extremely short transfers.

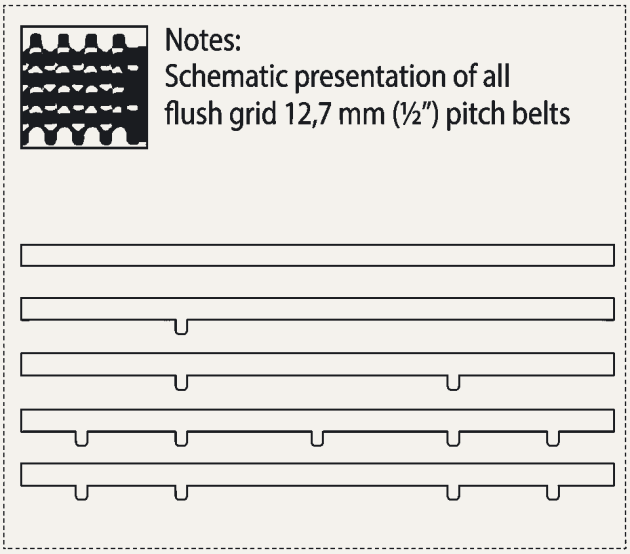
- **Backflex radius:** 10 mm (0.39 in)
- **Max load capacity (LFG):** 20000 N/m (1400 lbs/ft.)
- **Weight:** 7,4 Kg/m² (1.51 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request
- **Open surface:** 21%



NOSE BAR TRANSFER

SYSTEM PLAST

SERIES 2120 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 12,7 MM (½") PITCH BELTS



FT FLAT TOP



VG RUBBER INSERT



LBP (LOW PRESSURE)



SIDEFLEX

STANDARD MATERIALS

NGE (GREY BLUE)	LFG (GREY)
New Generation®	Low friction acetal resin

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; VG – Rubber insert; LBP – (low pressure); Sideflex

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION - SERIES 2120 FLUSH GRID

WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2120FG-M0085	LFG2120FG-M0085
170	6.69	NGE2120FG-M0170	LFG2120FG-M0170
255	10.04	NGE2120FG-M0255	LFG2120FG-M0255
340	13.39	NGE2120FG-M0340	LFG2120FG-M0340
425	16.73	NGE2120FG-M0425	LFG2120FG-M0425
510	20.08	NGE2120FG-M0510	LFG2120FG-M0510
595	23.43	NGE2120FG-M0595	LFG2120FG-M0595
680	26.77	NGE2120FG-M0680	LFG2120FG-M0680
765	30.12	NGE2120FG-M0765	LFG2120FG-M0765
850	33.46	NGE2120FG-M0850	LFG2120FG-M0850
935	36.81	NGE2120FG-M0935	LFG2120FG-M0935
1020	40.16	NGE2120FG-M1020	LFG2120FG-M1020
1105	43.50	NGE2120FG-M1105	LFG2120FG-M1105
1190	46.85	NGE2120FG-M1190	LFG2120FG-M1190
1275	50.20	NGE2120FG-M1275	LFG2120FG-M1275
1360	53.54	NGE2120FG-M1360	LFG2120FG-M1360
1445	56.89	NGE2120FG-M1445	LFG2120FG-M1445
1530	60.24	NGE2120FG-M1530	LFG2120FG-M1530
1615	63.58	NGE2120FG-M1615	LFG2120FG-M1615
1700	66.93	NGE2120FG-M1700	LFG2120FG-M1700
1785	70.28	NGE2120FG-M1785	LFG2120FG-M1785
1870	73.62	NGE2120FG-M1870	LFG2120FG-M1870
1955	76.97	NGE2120FG-M1955	LFG2120FG-M1955
2040	80.31	NGE2120FG-M2040	LFG2120FG-M2040
2125	83.66	NGE2120FG-M2125	LFG2120FG-M2125
2210	87.01	NGE2120FG-M2210	LFG2120FG-M2210
2295	90.35	NGE2120FG-M2295	LFG2120FG-M2295

Other widths available on request.

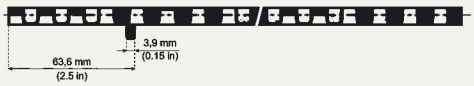
SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS 2120 – FLUSH GRID VERSION WITH POSITIONERS



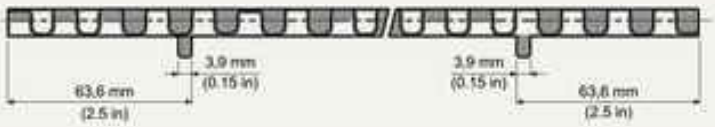
NG® EVO FLUSH GRID BELT WITH POSITIONERS



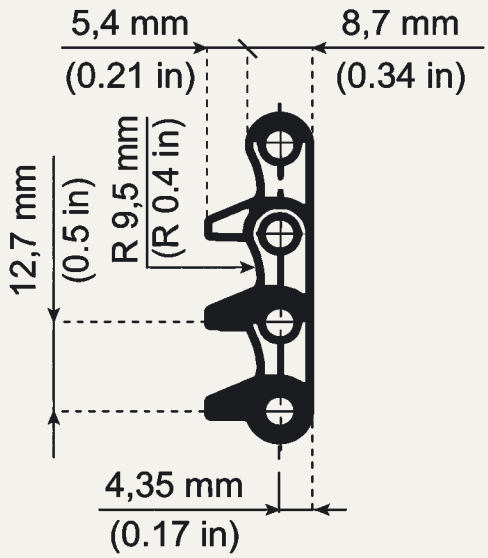
2120FG-P SIDE VIEW – 63,6 MM (2.5 IN), 3,9 MM (0.15 IN)



2120FG-P END VIEW



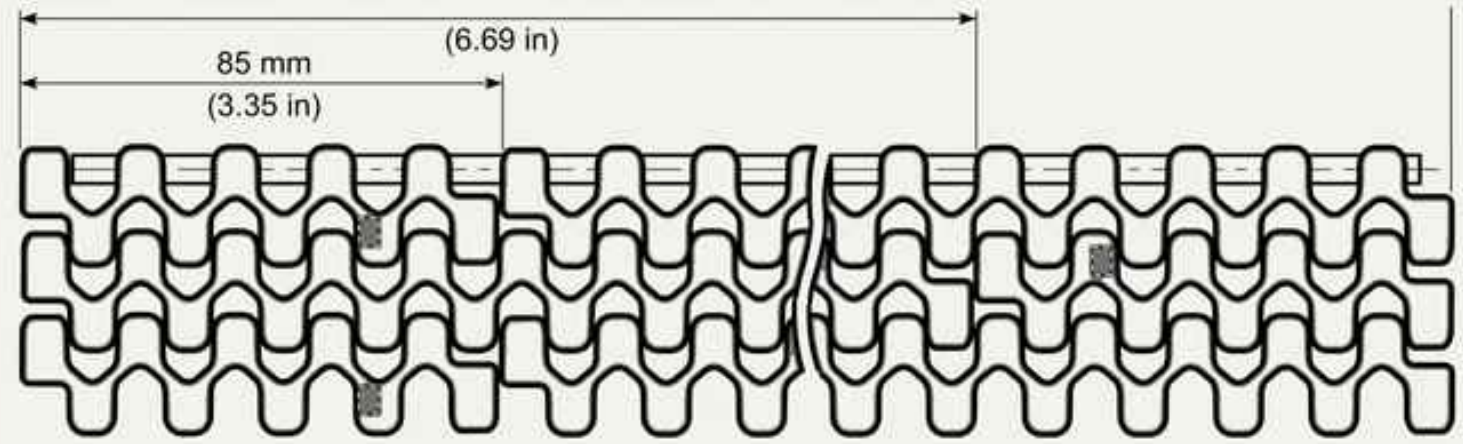
2120FG-P2 SIDE VIEW – 63,6 MM (2.5 IN), 3,9 MM (0.15 IN), 3,9 MM (0.15 IN), 63,6 MM (2.5 IN)



BELT SECTION – 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2120 (CONT.)

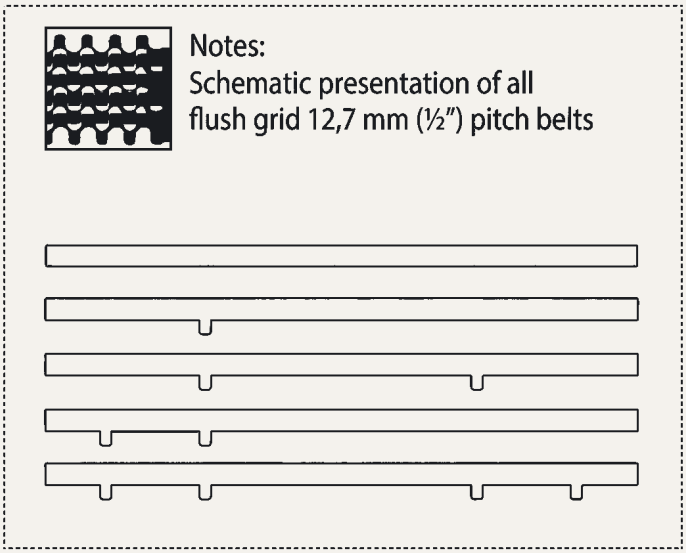


BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

- **Backflex radius:** 10 mm (0.39 in)
- **Max load capacity:** 18000 N/m (1260 lbs/ft.)
- **Weight:** 7,4 Kg/m² (1.51 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request
- **Open surface:** 21%



NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; VG – Rubber insert; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT FLAT TOP



VG RUBBER INSERT



LBP (LOW PRESSURE)



SIDEFLEX

Information about this product is only available on our Smart Guide® website.

Standard material
NGE (GREY BLUE) – New Generation®

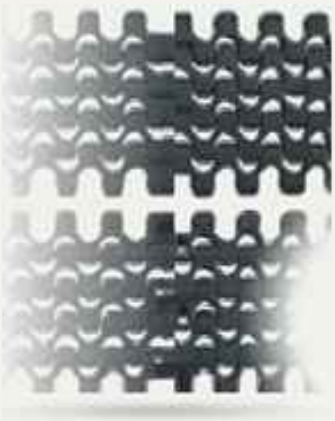
ITEM DESCRIPTION - SERIES 2120 FLUSH GRID WITH POSITIONERS

WIDTH W		2120FG-P	2120FG-P2
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	NGE2120FG-P-M0085	-
170	6.69	NGE2120FG-P-M0170	NGE2120FG-P2-M0170
255	10.04	NGE2120FG-P-M0255	NGE2120FG-P2-M0255
340	13.39	NGE2120FG-P-M0340	NGE2120FG-P2-M0340
425	16.73	NGE2120FG-P-M0425	NGE2120FG-P2-M0425
510	20.08	NGE2120FG-P-M0510	NGE2120FG-P2-M0510
595	23.43	NGE2120FG-P-M0595	NGE2120FG-P2-M0595
680	26.77	NGE2120FG-P-M0680	NGE2120FG-P2-M0680
765	30.12	NGE2120FG-P-M0765	NGE2120FG-P2-M0765
850	33.46	NGE2120FG-P-M0850	NGE2120FG-P2-M0850
935	36.81	NGE2120FG-P-M0935	NGE2120FG-P2-M0935
1020	40.16	NGE2120FG-P-M1020	NGE2120FG-P2-M1020
1105	43.50	NGE2120FG-P-M1105	NGE2120FG-P2-M1105
1190	46.85	NGE2120FG-P-M1190	NGE2120FG-P2-M1190
1275	50.20	NGE2120FG-P-M1275	NGE2120FG-P2-M1275
1360	53.54	NGE2120FG-P-M1360	NGE2120FG-P2-M1360
1445	56.89	NGE2120FG-P-M1445	NGE2120FG-P2-M1445
1530	60.24	NGE2120FG-P-M1530	NGE2120FG-P2-M1530
1615	63.58	NGE2120FG-P-M1615	NGE2120FG-P2-M1615
1700	66.93	NGE2120FG-P-M1700	NGE2120FG-P2-M1700
1785	70.28	NGE2120FG-P-M1785	NGE2120FG-P2-M1785
1870	73.62	NGE2120FG-P-M1870	NGE2120FG-P2-M1870

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS 2120 – FLUSH GRID VERSION WITH TWIN POSITIONERS



NG® EVO FLUSH GRID BELT WITH TWIN POSITIONERS



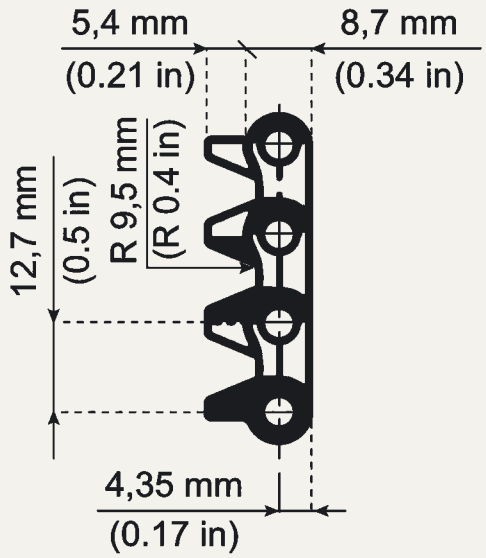
2120FG-PT SIDE VIEW – 63,6 MM (2.5 IN), 42,1 MM (1.66 IN), 3,9 MM (0.15 IN)



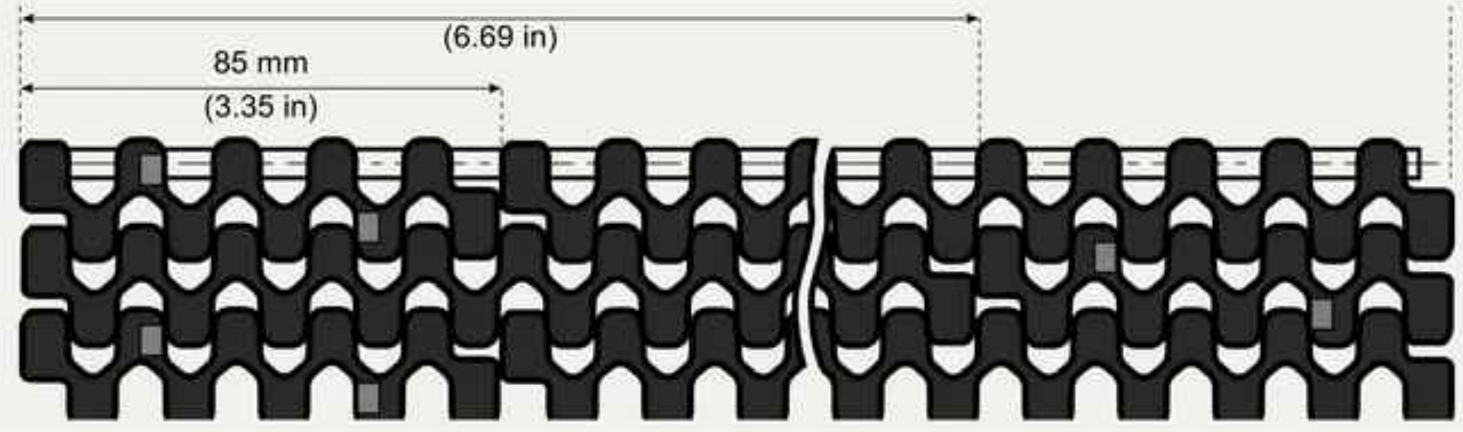
2120FG-PT END VIEW



2120FG-PT2 SIDE VIEW – 63,6 MM (2.5 IN), 42,1 MM (1.66 IN), 3,9 MM (0.15 IN)



BELT SECTION – 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)



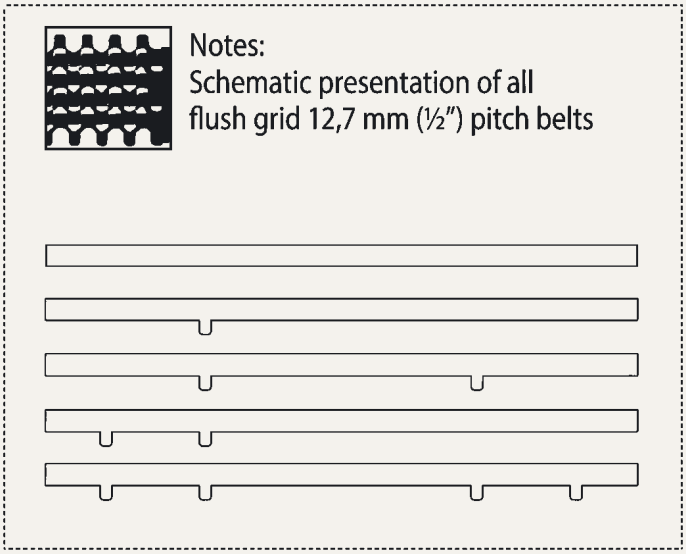
BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)

SYSTEM PLAST

SERIES 2120 (CONT.)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 12,7 MM (½") PITCH BELTS

- **Backflex radius:** 10 mm (0.39 in)
- **Max load capacity:** 18000 N/m (1260 lbs/ft.)
- **Weight:** 7,4 Kg/m² (1.51 lbs/ft².)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request
- **Open surface:** 21%

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; VG – Rubber insert; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT FLAT TOP



VG RUBBER INSERT



LBP (LOW PRESSURE)



SIDEFLEX

Information about this product is only available on our Smart Guide® website.

Standard material
NGE (GREY BLUE) – New Generation®

ITEM DESCRIPTION - SERIES 2120 FLUSH GRID WITH TWIN POSITIONERS

WIDTH W		2120FG-PT	2120FG-PT2
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	NGE2120FG-PT-M0085	-
170	6.69	NGE2120FG-PT-M0170	NGE2120FG-PT2-M0170
255	10.04	NGE2120FG-PT-M0255	NGE2120FG-PT2-M0255
340	13.39	NGE2120FG-PT-M0340	NGE2120FG-PT2-M0340
425	16.73	NGE2120FG-PT-M0425	NGE2120FG-PT2-M0425
510	20.08	NGE2120FG-PT-M0510	NGE2120FG-PT2-M0510
595	23.43	NGE2120FG-PT-M0595	NGE2120FG-PT2-M0595
680	26.77	NGE2120FG-PT-M0680	NGE2120FG-PT2-M0680
765	30.12	NGE2120FG-PT-M0765	NGE2120FG-PT2-M0765
850	33.46	NGE2120FG-PT-M0850	NGE2120FG-PT2-M0850
935	36.81	NGE2120FG-PT-M0935	NGE2120FG-PT2-M0935
1020	40.16	NGE2120FG-PT-M1020	NGE2120FG-PT2-M1020
1105	43.50	NGE2120FG-PT-M1105	NGE2120FG-PT2-M1105
1190	46.85	NGE2120FG-PT-M1190	NGE2120FG-PT2-M1190
1275	50.20	NGE2120FG-PT-M1275	NGE2120FG-PT2-M1275
1360	53.54	NGE2120FG-PT-M1360	NGE2120FG-PT2-M1360
1445	56.89	NGE2120FG-PT-M1445	NGE2120FG-PT2-M1445
1530	60.24	NGE2120FG-PT-M1530	NGE2120FG-PT2-M1530
1615	63.58	NGE2120FG-PT-M1615	NGE2120FG-PT2-M1615
1700	66.93	NGE2120FG-PT-M1700	NGE2120FG-PT2-M1700
1785	70.28	NGE2120FG-PT-M1785	NGE2120FG-PT2-M1785
1870	73.62	NGE2120FG-PT-M1870	NGE2120FG-PT2-M1870

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS – RUBBER INSERT



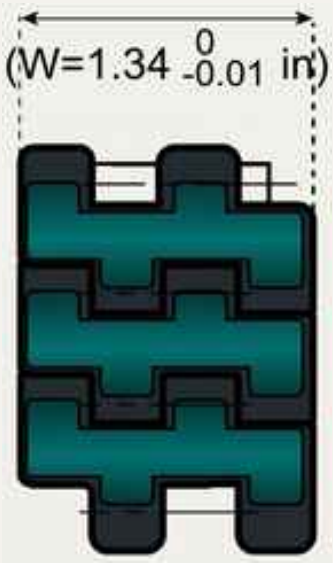
NG® EVO RUBBER INSERT BELT

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

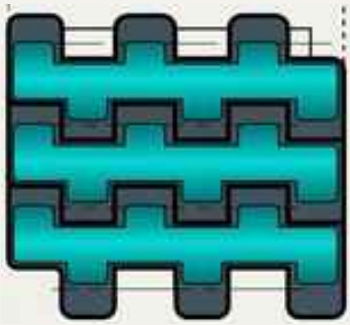
- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

SINGLE TRACK

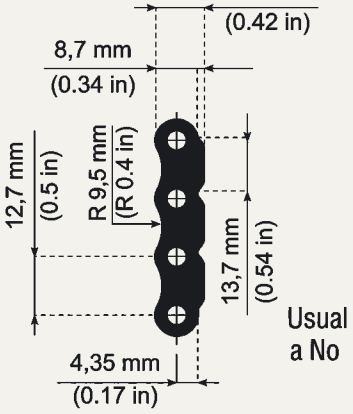
Belt widths W=34 -0/-0.3 mm (W=1.34 -0/-0.01 in) and W=51 -0/-0.3 mm (W=2 -0/-0.01 in).



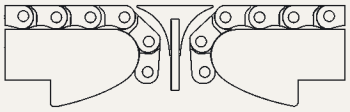
K 134 – W=34 -0/-0.3 MM (W=1.34 -0/-0.01 IN)



K 200 – W=51 -0/-0.3 MM (W=2 -0/-0.01 IN)



BELT SECTION – 10,7 MM (0.42 IN), 8,7 MM (0.34 IN), 12,7 MM (0.5 IN), R 9,5 MM (R 0.4 IN), 13,7 MM (0.54 IN), 4,35 MM (0.17 IN)



NOSE BAR TRANSFER

Usually used on short conveyors with a Nose Bar to create extremely short transfers

Rubber material: thermoplastic rubber, water blue color, 75 shore A.

Pin material: PBT (white)

SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2124FT-K134VG	NGE Grey Blue	34	1.34	12,7	0.5	20	0.79	300	65	0,4	0.27
NGE2121FT-K200VG	NGE Grey Blue	51	2	12,7	0.5	20	0.79	680	150	0,55	0.37

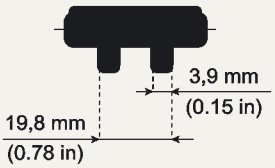
Standard length: 240 pitches (3,048 m - 5 ft.)

SINGLE TRACK WITH POSITIONERS

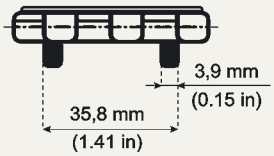
Positioner spacing 19,8 mm (0.78 in) on K 134 and 35,8 mm (1.41 in) on K 200; positioner thickness 3,9 mm (0.15 in).

SYSTEM PLAST

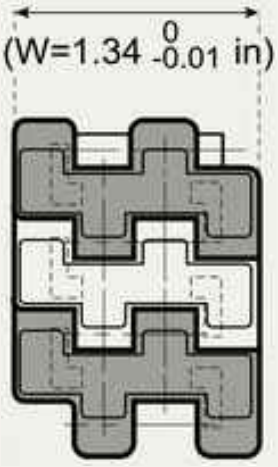
SERIES 2120 (CONT.)



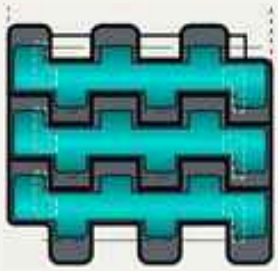
K 134 SIDE VIEW – 19,8 MM (0.78 IN), 3,9 MM (0.15 IN)



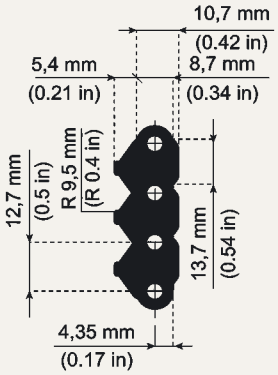
K 200 SIDE VIEW – 35,8 MM (1.41 IN), 3,9 MM (0.15 IN)



K 134 – W=34 -0/-0.3 MM (W=1.34 -0/-0.01 IN)



K 200 – W=51 -0/-0.3 MM (W=2 -0/-0.01 IN)

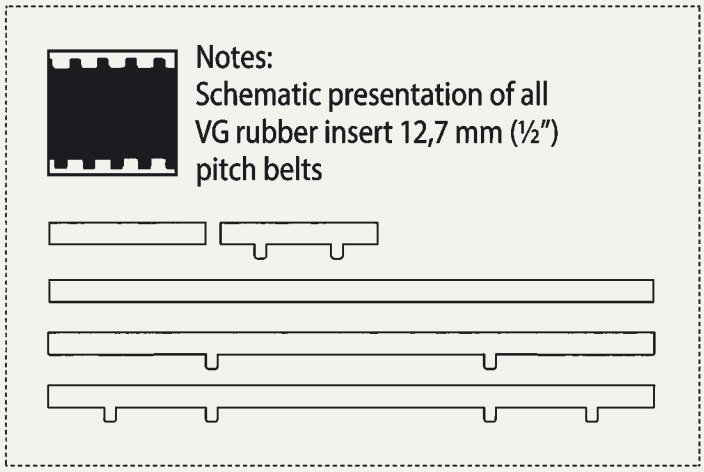


BELT SECTION WITH POSITIONERS – 10,7 MM (0.42 IN), 5,4 MM (0.21 IN), 8,7 MM (0.34 IN), 12,7 MM (0.5 IN), R 9,5 MM (R 0.4 IN), 13,7 MM (0.54 IN), 4,35 MM (0.17 IN)

SINGLE TRACK WITH POSITIONERS

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2124FT-PT-K134VG	NGE Grey Blue	34	1.34	12,7	0.5	20	0.79	300	65	0,4	0.27
NGE2121FT-PT-K200VG	NGE Grey Blue	51	2	12,7	0.5	20	0.79	680	150	0,55	0.37

Standard length: 240 pitches (3,048 m - 5 ft.)



NOTES: SCHEMATIC PRESENTATION OF ALL VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex



FT FLAT TOP



FG FLUSH GRID

Standard material

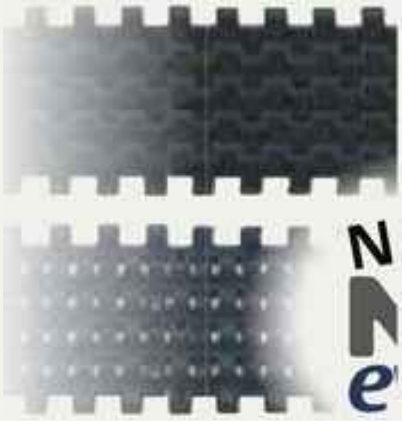
NGE (GREY BLUE) – New Generation®
TPR (WATER BLUE) – Thermoplastic rubber

...product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2120

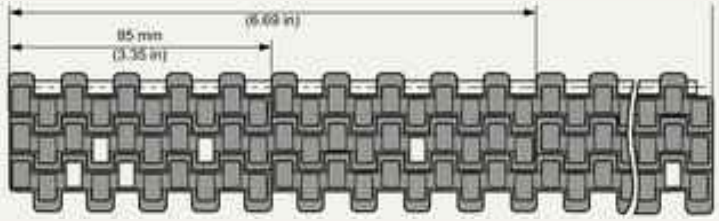
12,7 MM (½") MODULAR BELTS – RUBBER INSERT EVERY PITCH



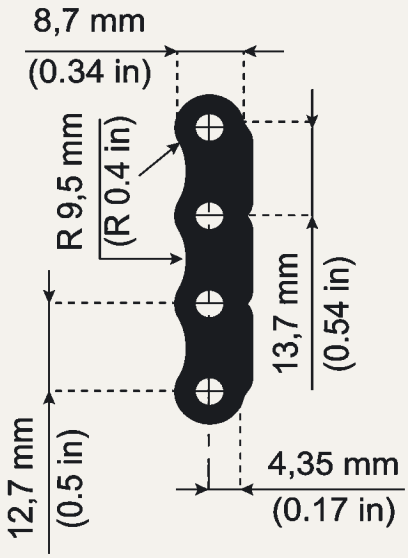
NG® EVO RUBBER INSERT BELT



BELT SIDE VIEW – 2 MM (0.08 IN), 10,7 MM (0.42 IN)



BELT TOP VIEW – W, 170 MM (6.69 IN), 85 MM (3.35 IN)



BELT SECTION – 8,7 MM (0.34 IN), R 9,5 MM (R 0.4 IN), 13,7 MM (0.54 IN), 12,7 MM (0.5 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

- **Belt material:** grey blue colour
- **Rubber material:** thermoplastic rubber, black colour, 50 shore A.
- **Backflex radius:** 20 mm (0.8 in)
- **Max load capacity:** 18000 N/m (1260 lbs/ft.)
- **Pin material:** PBT (white)
- **Standard length:** width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.); width > 1700 mm (66.93 in): on request

SYSTEM PLAST

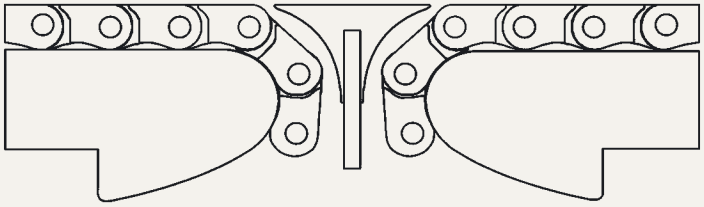
SERIES 2120 (CONT.)



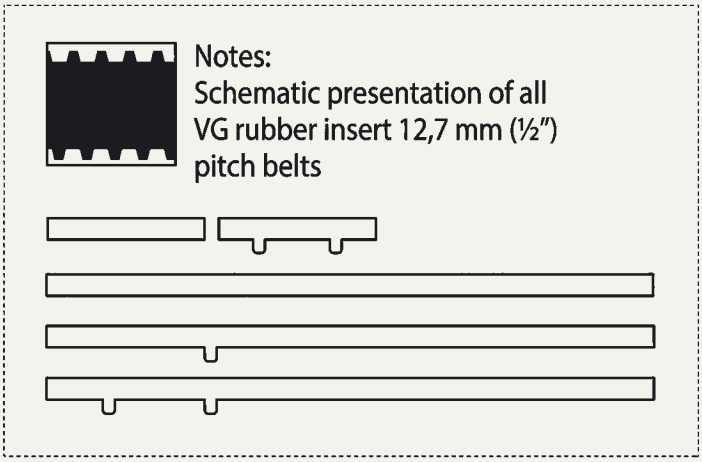
VG 2120 – INSERT EVERY PITCH

Usually used on short conveyors with a Nose Bar to create extremely short transfers

Weight: 9,7 Kg/m² (1.98 lbs/ft².)



NOSE BAR TRANSFER



NOTES: SCHEMATIC PRESENTATION OF ALL VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT FLAT TOP



FG FLUSH GRID

Information about this product is only available on our Smart Guide® website.



LBP (LOW PRESSURE)



SIDEFLEX



INSERT EVERY 2ND PITCH



INSERT EVERY 3RD PITCH

For insert every 2nd or 3th pitch, go to:



BELT WITH SIDE INDENT

Also available with side indent. Go to:

Standard material
NGE (GREY BLUE) – New Generation®
TPR (BLACK) – Thermoplastic rubber

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION - VG 2120 INSERT EVERY PITCH

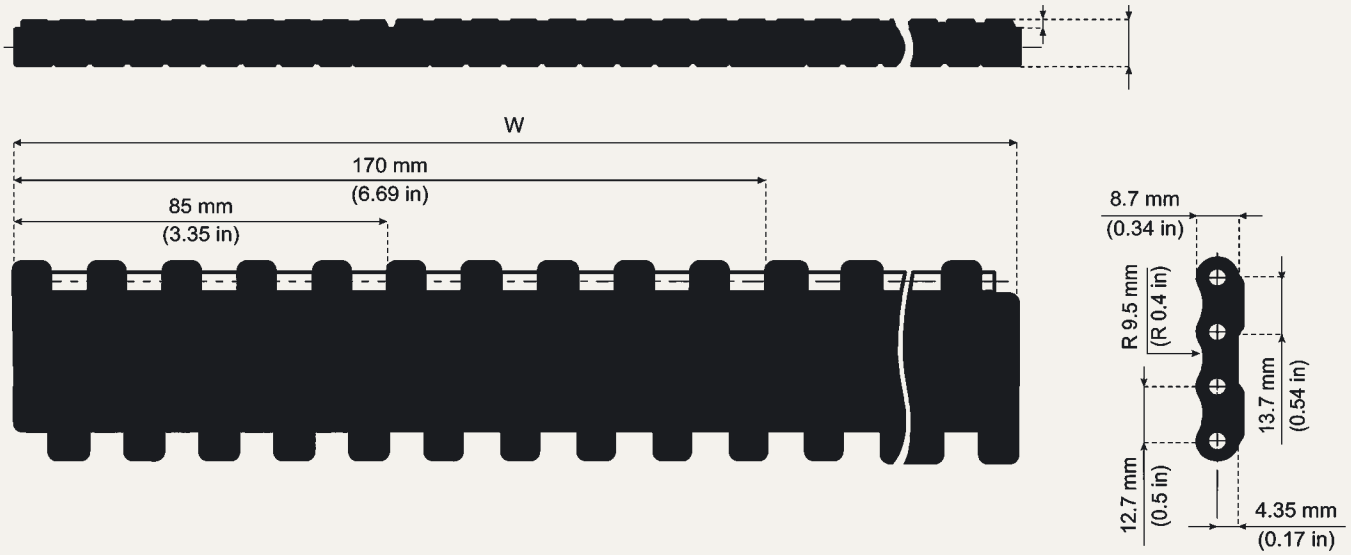
WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2120FT-M0085VG50
170	6.69	NGE2120FT-M0170VG50
255	10.04	NGE2120FT-M0255VG50
340	13.39	NGE2120FT-M0340VG50
425	16.73	NGE2120FT-M0425VG50
510	20.08	NGE2120FT-M0510VG50
595	23.43	NGE2120FT-M0595VG50
680	26.77	NGE2120FT-M0680VG50
765	30.12	NGE2120FT-M0765VG50
850	33.46	NGE2120FT-M0850VG50
935	36.81	NGE2120FT-M0935VG50
1020	40.16	NGE2120FT-M1020VG50
1105	43.50	NGE2120FT-M1105VG50
1190	46.85	NGE2120FT-M1190VG50
1275	50.20	NGE2120FT-M1275VG50
1360	53.54	NGE2120FT-M1360VG50
1445	56.89	NGE2120FT-M1445VG50
1530	60.24	NGE2120FT-M1530VG50
1615	63.58	NGE2120FT-M1615VG50
1700	66.93	NGE2120FT-M1700VG50
1785	70.28	NGE2120FT-M1785VG50
1870	73.62	NGE2120FT-M1870VG50
1955	76.97	NGE2120FT-M1955VG50
2040	80.31	NGE2120FT-M2040VG50

Other widths available on request.

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS – RUBBER INSERT EVERY 2ND & 3TH PITCH



SERIES 2120 VG BELT – TOP AND SIDE VIEW WITH CROSS-SECTION; W = BELT WIDTH, PITCH 12,7 MM (0.5 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Information about this product is only available on our Smart Guide ® website.

Belt material: grey blue colour

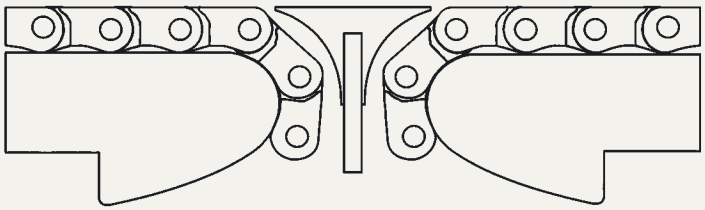
Rubber material: thermoplastic rubber, black colour, 50 shore A.

Backflex radius: 20 mm (0.8 in)

Max load capacity: 18000 N/m (1260 lbs/ft.)

Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)
width > 1700 mm (66.93 in): on request



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS

STANDARD MATERIAL

MATERIAL CODE	DESCRIPTION
NGE (GREY BLUE)	New Generation ®
TPR (BLACK)	Thermoplastic rubber

NOTES

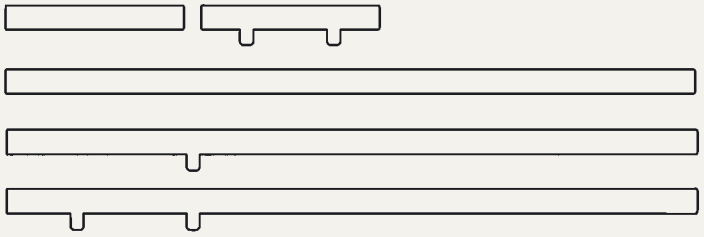
Schematic presentation of all VG rubber insert 12,7 mm (½") pitch belts

SYSTEM PLAST

SERIES 2120 (CONT.)



VG rubber insert 12,7 mm (½") pitch belts



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex



FT – FLAT TOP



FG – FLUSH GRID



LBP – (LOW PRESSURE)



SIDEFLEX



FOR EVERY INSERT, GO TO:



ALSO AVAILABLE WITH SIDE INDENT. GO TO:



VG2 2120 – INSERT EVERY 2ND PITCH. WEIGHT: 9,2 KG/M² (1.88 LBS/FT².)



VG3 2120 – INSERT EVERY 3TH PITCH. WEIGHT: 9,0 KG/M² (1.84 LBS/FT².)

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION

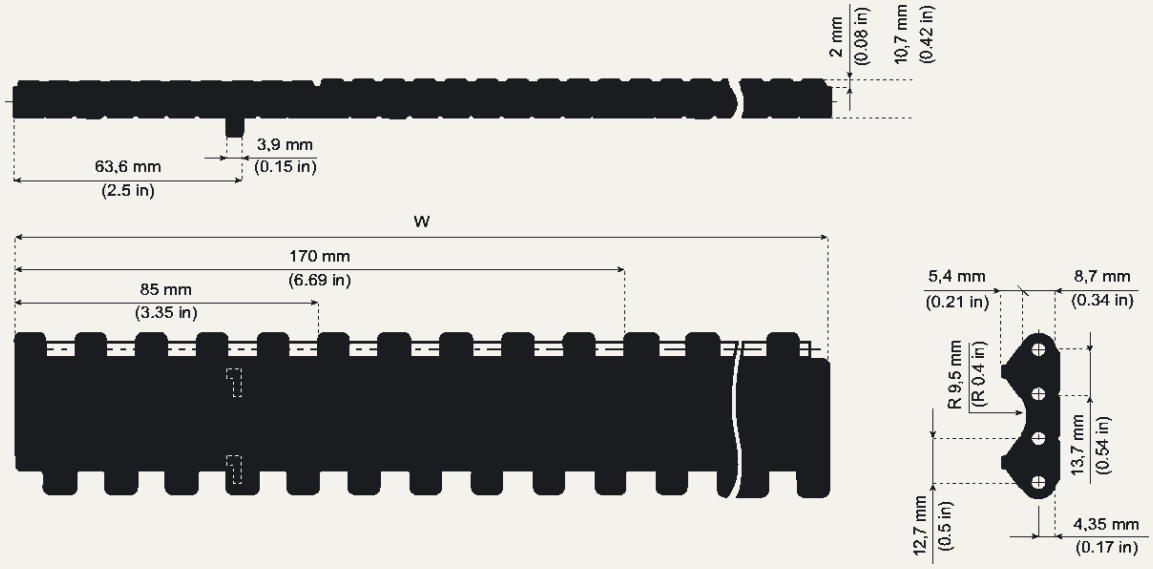
WIDTH W		VG2 2120 – INSERT EVERY 2ND PITCH	VG3 2120 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	NGE2120FT-M0085VG50-2	NGE2120FT-M0085VG50-3
170	6.69	NGE2120FT-M0170VG50-2	NGE2120FT-M0170VG50-3
255	10.04	NGE2120FT-M0255VG50-2	NGE2120FT-M0255VG50-3
340	13.39	NGE2120FT-M0340VG50-2	NGE2120FT-M0340VG50-3
425	16.73	NGE2120FT-M0425VG50-2	NGE2120FT-M0425VG50-3
510	20.08	NGE2120FT-M0510VG50-2	NGE2120FT-M0510VG50-3
595	23.43	NGE2120FT-M0595VG50-2	NGE2120FT-M0595VG50-3
680	26.77	NGE2120FT-M0680VG50-2	NGE2120FT-M0680VG50-3
765	30.12	NGE2120FT-M0765VG50-2	NGE2120FT-M0765VG50-3
850	33.46	NGE2120FT-M0850VG50-2	NGE2120FT-M0850VG50-3
935	36.81	NGE2120FT-M0935VG50-2	NGE2120FT-M0935VG50-3
1020	40.16	NGE2120FT-M1020VG50-2	NGE2120FT-M1020VG50-3
1105	43.50	NGE2120FT-M1105VG50-2	NGE2120FT-M1105VG50-3
1190	46.85	NGE2120FT-M1190VG50-2	NGE2120FT-M1190VG50-3
1275	50.20	NGE2120FT-M1275VG50-2	NGE2120FT-M1275VG50-3
1360	53.54	NGE2120FT-M1360VG50-2	NGE2120FT-M1360VG50-3
1445	56.89	NGE2120FT-M1445VG50-2	NGE2120FT-M1445VG50-3
1530	60.24	NGE2120FT-M1530VG50-2	NGE2120FT-M1530VG50-3
1615	63.58	NGE2120FT-M1615VG50-2	NGE2120FT-M1615VG50-3
1700	66.93	NGE2120FT-M1700VG50-2	NGE2120FT-M1700VG50-3
1785	70.28	NGE2120FT-M1785VG50-2	NGE2120FT-M1785VG50-3
1870	73.62	NGE2120FT-M1870VG50-2	NGE2120FT-M1870VG50-3
1955	76.97	NGE2120FT-M1955VG50-2	NGE2120FT-M1955VG50-3
2040	80.31	NGE2120FT-M2040VG50-2	NGE2120FT-M2040VG50-3

Other widths available on request.

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS – VERSIONS WITH POSITIONERS / RUBBER INSERT



SERIES 2120-P BELT WITH POSITIONERS – TOP AND SIDE VIEW WITH CROSS-SECTION; W = BELT WIDTH, POSITIONER PITCH 63,6 MM (2.5 IN), PITCH 12,7 MM (0.5 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Belt material: grey blue colour

Rubber material: thermoplastic rubber, black colour, 50 shore A.

Backflex radius: 20 mm (0.8 in)

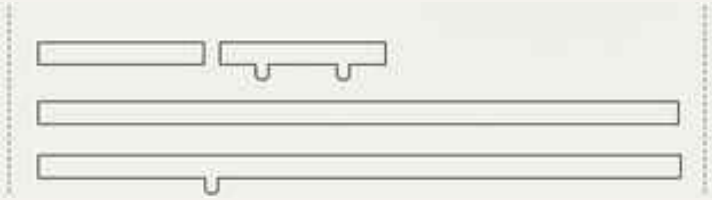
Max load capacity: 18000 N/m (1260 lbs/ft.)

Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)
belt width > 1700 mm (66.93 in): on request

NOTES

Schematic presentation of all VG rubber insert 12,7 mm (½") pitch belts



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID



LBP – (LOW PRESSURE)



SIDEFLEX



ALSO AVAILABLE WITH SIDE INDENT. GO TO:



VG 2120-P – INSERT EVERY PITCH. WEIGHT: 9,7 KG/M² (1.98 LBS/FT².)

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

MATERIAL CODE	DESCRIPTION
NGE (GREY BLUE)	New Generation ®
TPR (BLACK)	Thermoplastic rubber

VG 2120-P - INSERT EVERY PITCH

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2120FT-P-M0085VG50
170	6.69	NGE2120FT-P-M0170VG50
255	10.04	NGE2120FT-P-M0255VG50
340	13.39	NGE2120FT-P-M0340VG50
425	16.73	NGE2120FT-P-M0425VG50
510	20.08	NGE2120FT-P-M0510VG50
595	23.43	NGE2120FT-P-M0595VG50
680	26.77	NGE2120FT-P-M0680VG50
765	30.12	NGE2120FT-P-M0765VG50
850	33.46	NGE2120FT-P-M0850VG50

Other widths available on request.

SYSTEM PLAST

SERIES 2120 (CONT.)

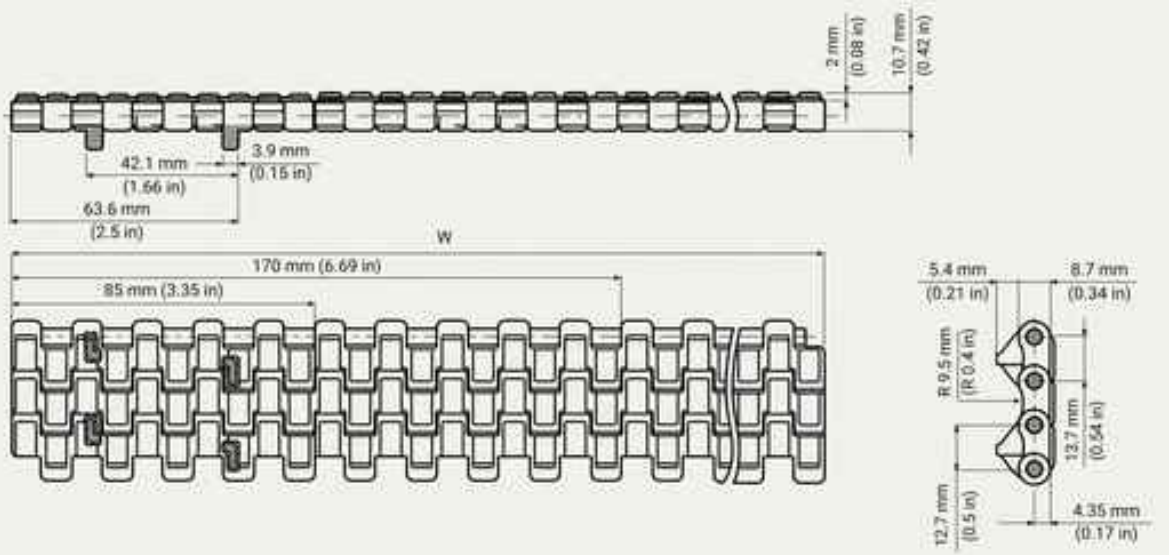
VG 2120-P - INSERT EVERY PITCH (CONT.)

WIDTH W		ITEM DESCRIPTION
MM	IN	
935	36.81	NGE2120FT-P-M0935VG50
1020	40.16	NGE2120FT-P-M1020VG50
1105	43.50	NGE2120FT-P-M1105VG50
1190	46.85	NGE2120FT-P-M1190VG50
1275	50.20	NGE2120FT-P-M1275VG50
1360	53.54	NGE2120FT-P-M1360VG50
1445	56.89	NGE2120FT-P-M1445VG50
1530	60.24	NGE2120FT-P-M1530VG50
1615	63.58	NGE2120FT-P-M1615VG50
1700	66.93	NGE2120FT-P-M1700VG50
1785	70.28	NGE2120FT-P-M1785VG50
1870	73.62	NGE2120FT-P-M1870VG50
1955	76.97	NGE2120FT-P-M1955VG50
2040	80.31	NGE2120FT-P-M2040VG50

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS – VERSIONS WITH TWIN POSITIONERS / RUBBER INSERT



SERIES 2120-PT BELT WITH TWIN POSITIONERS – TOP AND SIDE VIEW WITH CROSS-SECTION; W = BELT WIDTH, POSITIONER SPACING 42,1 MM (1.66 IN) / 63,6 MM (2.5 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Belt material: grey blue colour

Rubber material: thermoplastic rubber, black colour, 50 shore A.

Backflex radius: 20 mm (0.8 in)

Max load capacity: 18000 N/m (1260 lbs/ft.)

Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)
width > 1700 mm (66.93 in): on request

NOTES

Schematic presentation of all VG rubber insert 12,7 mm (½") pitch belts



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID



LBP – (LOW PRESSURE)



SIDEFLEX



ALSO AVAILABLE WITH SIDE INDENT. GO TO:



VG 2120-PT – INSERT EVERY PITCH. WEIGHT: 9,7 KG/M² (1.98 LBS/FT².)

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

MATERIAL CODE	DESCRIPTION
NGE (GREY BLUE)	New Generation ®
TPR (BLACK)	Thermoplastic rubber

VG 2120-PT - INSERT EVERY PITCH

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2120FT-PT-M0085VG50
170	6.69	NGE2120FT-PT-M0170VG50
255	10.04	NGE2120FT-PT-M0255VG50
340	13.39	NGE2120FT-PT-M0340VG50
425	16.73	NGE2120FT-PT-M0425VG50
510	20.08	NGE2120FT-PT-M0510VG50
595	23.43	NGE2120FT-PT-M0595VG50
680	26.77	NGE2120FT-PT-M0680VG50
765	30.12	NGE2120FT-PT-M0765VG50

Other widths available on request.

SYSTEM PLAST

SERIES 2120 (CONT.)

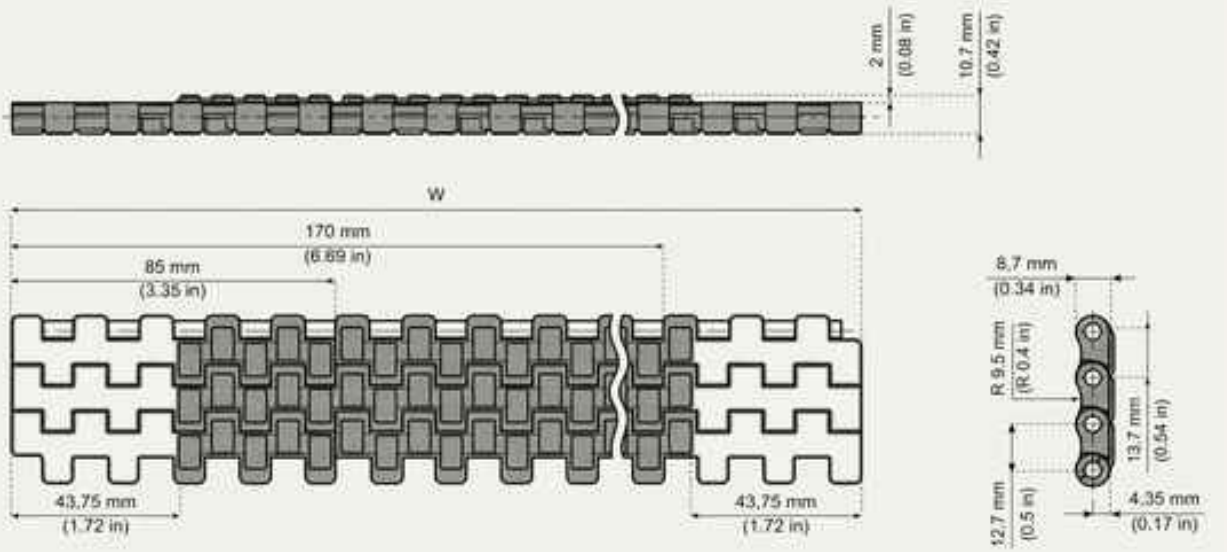
VG 2120-PT - INSERT EVERY PITCH (CONT.)

WIDTH W		ITEM DESCRIPTION
MM	IN	
850	33.46	NGE2120FT-PT-M0850VG50
935	36.81	NGE2120FT-PT-M0935VG50
1020	40.16	NGE2120FT-PT-M1020VG50
1105	43.50	NGE2120FT-PT-M1105VG50
1190	46.85	NGE2120FT-PT-M1190VG50
1275	50.20	NGE2120FT-PT-M1275VG50
1360	53.54	NGE2120FT-PT-M1360VG50
1445	56.89	NGE2120FT-PT-M1445VG50
1530	60.24	NGE2120FT-PT-M1530VG50
1615	63.58	NGE2120FT-PT-M1615VG50
1700	66.93	NGE2120FT-PT-M1700VG50
1785	70.28	NGE2120FT-PT-M1785VG50
1870	73.62	NGE2120FT-PT-M1870VG50
1955	76.97	NGE2120FT-PT-M1955VG50
2040	80.31	NGE2120FT-PT-M2040VG50

SYSTEM PLAST

SERIES 2120

12,7 MM (½") MODULAR BELTS – RUBBER INSERT EVERY PITCH WITH SIDE INDENT



SERIES 2120 VGS BELT WITH SIDE INDENT – TOP AND SIDE VIEW WITH CROSS-SECTION; W = BELT WIDTH, SIDE INDENT 43,75 MM (1.72 IN) EACH SIDE

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Belt material: grey blue colour

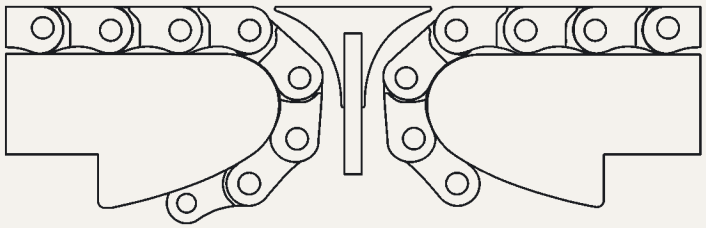
Rubber material: thermoplastic rubber, black colour, 50 shore A.

Backflex radius: 20 mm (0.8 in)

Max load capacity: 18000 N/m (1260 lbs/ft.)

Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)
width > 1700 mm (66.93 in): on request



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 12,7 MM (½") PITCH BELTS

NOTES

Schematic presentation of all VG rubber insert 12,7 mm (½") pitch belts

OTHER VERSIONS FOR 12,7 MM (½") BELTS

FT – Flat top; FG – Flush grid; LBP – (low pressure); Sideflex

SYSTEM PLAST

SERIES 2120 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID



LBP – (LOW PRESSURE)



SIDEFLEX

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

MATERIAL CODE	DESCRIPTION
NGE (GREY BLUE)	New Generation ®
TPR (BLACK)	Thermoplastic rubber



VGS 2120 – INSERT EVERY PITCH. WEIGHT: 9,7 KG/M² (1.98 LBS/FT².)

VGS 2120 - INSERT EVERY PITCH

WIDTH W		ITEM DESCRIPTION
MM	IN	
255	10.04	NGE2120FT-M0255VGS50
340	13.39	NGE2120FT-M0340VGS50
425	16.73	NGE2120FT-M0425VGS50
510	20.08	NGE2120FT-M0510VGS50
595	23.43	NGE2120FT-M0595VGS50
680	26.77	NGE2120FT-M0680VGS50
765	30.12	NGE2120FT-M0765VGS50

Other widths available on request.

VGS 2120 - INSERT EVERY PITCH (CONT.)

WIDTH W		ITEM DESCRIPTION
MM	IN	
850	33.46	NGE2120FT-M0850VGS50
935	36.81	NGE2120FT-M0935VGS50
1020	40.16	NGE2120FT-M1020VGS50
1105	43.50	NGE2120FT-M1105VGS50
1190	46.85	NGE2120FT-M1190VGS50
1275	50.20	NGE2120FT-M1275VGS50
1360	53.54	NGE2120FT-M1360VGS50
1445	56.89	NGE2120FT-M1445VGS50
1530	60.24	NGE2120FT-M1530VGS50

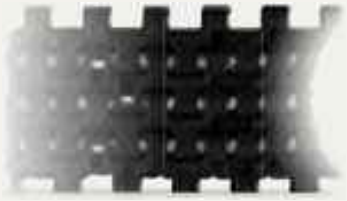
SYSTEM PLAST

SERIES 2120

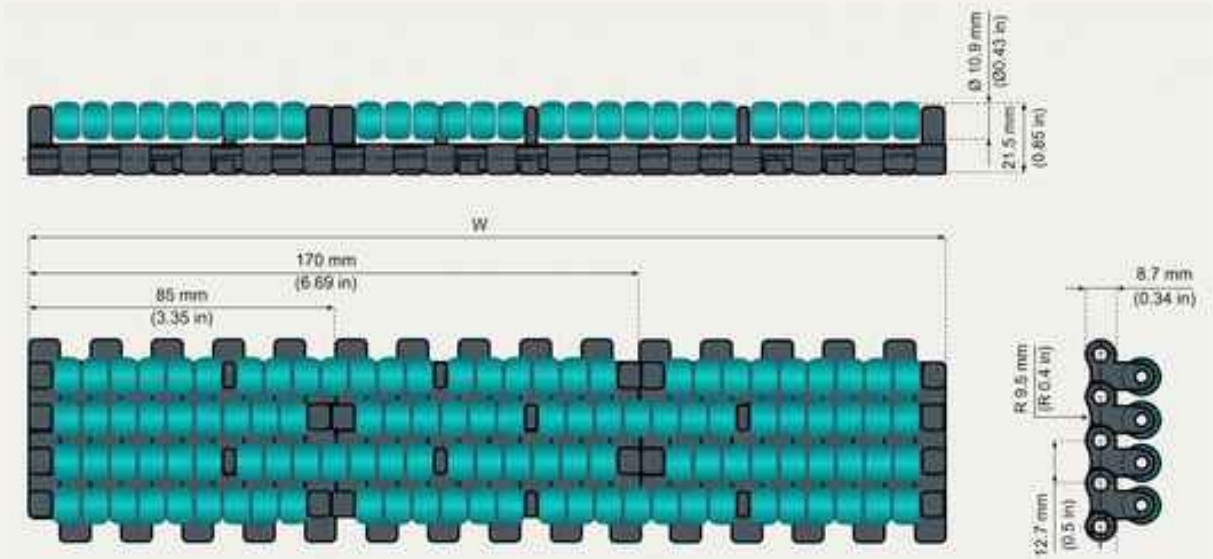
12,7 MM (½") MODULAR BELTS 2120-LBP – LOW NOISE ACCUMULATION ROLLERS



ROLLER TOP SURFACE



BELT UNDERSIDE



2120-LBP BELT DIMENSIONS: PITCH 12,7 MM (0.5 IN), OVERALL HEIGHT 21,5 MM (0.85 IN), ROLLER Ø 10,9 MM (Ø0.43 IN), 8,7 MM (0.34 IN), 4,35 MM (0.17 IN), R 9,5 MM (R 0.4 IN); WIDTHS W, 170 MM (6.69 IN), 85 MM (3.35 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Information about this product is only available on our Smart Guide ® website.

Backflex radius: 65 mm (2.56 in)

Max load capacity: 18000 N/m (1260 lbs/ft.)

Weight: 23,2 Kg/m 2 (4.73 lbs/ft 2.)

Pin material: PBT (white)

Roller shaft material: Stainless Steel AISI 304

Standard length:

width ≤ 340 mm (13.39 in): 1,524 m (5 ft.)

width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 0,762 m (0.03 in)

width > 935 mm (36.81 in): on request

STANDARD MATERIAL

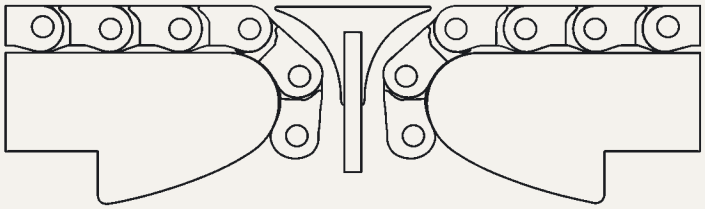
NGE (GREY BLUE)
New Generation ®

SYSTEM PLAST

SERIES 2120 (CONT.)



ACCUMULATION ROLLERS CARRYING CANS ON THE BELT SURFACE



USUALLY USED ON SHORT CONVEYORS WITH A NOSE BAR TO CREATE EXTREMELY SHORT TRANSFERS

OTHER VERSIONS FOR 12,7 MM (½") BELTS:

FT – Flat top; FG – Flush grid; VG – Rubber insert; Sideflex



FT – FLAT TOP



FG – FLUSH GRID



VG – RUBBER INSERT



SIDEFLEX

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2120LBP-M0085
170	6.69	NGE2120LBP-M0170
255	10.04	NGE2120LBP-M0255
340	13.39	NGE2120LBP-M0340
425	16.73	NGE2120LBP-M0425
510	20.08	NGE2120LBP-M0510
595	23.43	NGE2120LBP-M0595
680	26.77	NGE2120LBP-M0680
765	30.12	NGE2120LBP-M0765
850	33.46	NGE2120LBP-M0850
935	36.81	NGE2120LBP-M0935
1020	40.16	NGE2120LBP-M1020
1105	43.50	NGE2120LBP-M1105

Wider widths available upon request. LBP belts cannot be cut-to-width.

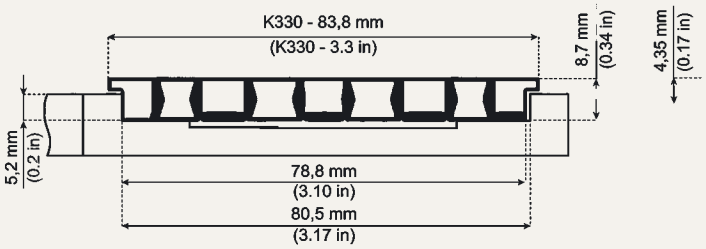
SYSTEM PLAST

SERIES 2120

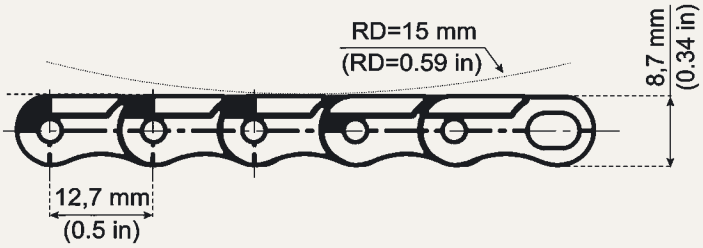
12,7 MM (½") MODULAR BELTS 2120M – SIDEFLEXING BELT FOR MAGNETIC CURVES



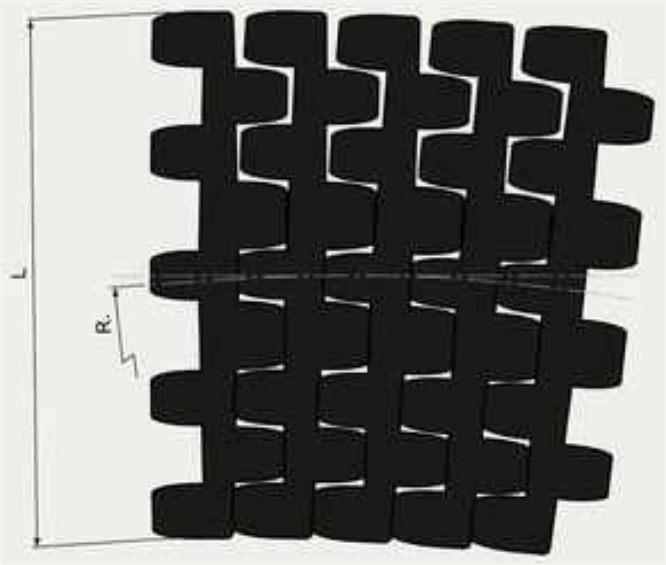
2120M SIDEFLEXING BELT – REDUCE NOISE LEVEL BY 12 DB



BELT CROSS SECTION: K330 – 83,8 MM (K330 – 3.3 IN), 78,8 MM (3.10 IN), 80,5 MM (3.17 IN), 5,2 MM (0.2 IN), 8,7 MM (0.34 IN); MAGNETIC CURVE



BELT SIDE VIEW: PITCH 12,7 MM (0.5 IN), 4,35 MM (0.17 IN), 8,7 MM (0.34 IN), RD=15 MM (RD=0.59 IN)



BELT TOP VIEW SHOWING WIDTH L AND RADIUS R

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

FEATURES:

This system offers a unique solution for sideflexing applications in plants with modular conveyors.

APPLICATIONS:

- To be used in the dry end of the line where bottles or cans run in lanes separated by guides.
- The short pitch makes in-line transfers possible.

Weight: 13,7 kg/m 2 (2.8 lbs/ft 2.)

Pin material: Ferritic Stainless Steel

SYSTEM PLAST

SERIES 2120 (CONT.)

ITEM DESCRIPTION	MATERIAL	WIDTH L		R MIN.	MAX LOAD CAPACITY		WEIGHT	
		MM	IN		N	LBS	KG/M	LBS/FT.
NGE2120M-SFF-K330	NGE Grey Blue	83,8	3.30	500	1900	420	1,1	0.74

Standard length: 240 pitches (3,05 m - 10 ft.)

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

NGE (GREY BLUE)
New Generation ®

OTHER VERSIONS FOR 12,7 MM (½") BELTS:

FT – Flat top; FG – Flush grid; LBP – (Low pressure); VG – Rubber insert



FT – FLAT TOP



FG – FLUSH GRID



LBP – (LOW PRESSURE)



VG – RUBBER INSERT

SYSTEM PLAST

SERIES 2120

DRIVE AND RETURN SPROCKETS – FOR BELTS 2120 - 2120M - 2121

NOTES:

Sprockets with 'fixed' bores (standard split types) do not follow the expansion or contraction of a belt and therefore can be used only for belts widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).

For all other applications we recommend using floating sprockets. Sprockets that normally have a 'fixed' or 'tight' bore can be made 'floating' on request. In that case just add the letter P to the standard item description. For example, code **2120-24R1.25-DPS**

Sprockets with 'tight' bores (standard one piece types) can be a cost effective solution for many applications; but if the belt is wider than 680 mm (27-in) and large temperature fluctuations (> 30°C - 86°F) occur, we recommend using the floating versions. 'Tight' and 'floating' bore sprockets are recommended to be kept in position with set collars or with help of the positioners of the belt.



MOLDED SPLIT SPROCKET

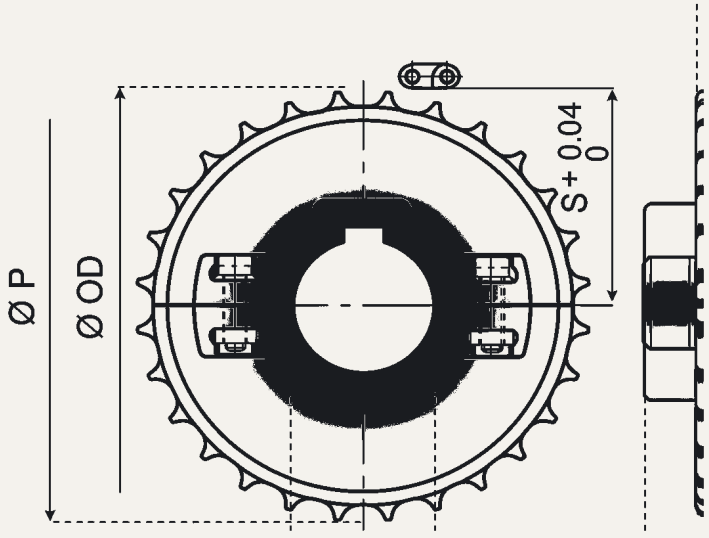
FEATURES:

- New design with snap-assembly system included.
- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Excellent wear and chemical resistance.
- Recyclable.

Z	Ø OD (IN)	Ø P (IN)	S (IN)
24	3.83	3.80	1.74
28	4.46	4.43	2.05

NOT SUITABLE FOR 2122 FG !

Reference EU Smart Guide



SPROCKET DIMENSIONS – Ø P, Ø OD, DF, S + 0.04/0, 0.91, 0.47, 1.87

Z	Ø 1 ¼	Ø 1 ½
	ITEM DESCRIPTION	
MOLDED DRIVE SPROCKETS - SPLIT / FIXED		
24	2120-24R1.25-DS-SS	2120-24R1.5-DS-SS
28	2120-28R1.25-DS-SS	2120-28R1.5-DS-SS
MOLDED RETURN SPROCKETS - SPLIT		
24	2120-24R1.25-RS	2120-24R1.5-RS
28	2120-28R1.25-RS	2120-28R1.5-RS

Material: reinforced polyamide (black), screws in stainless steel, nuts in nickel plated brass.

Information about this product is only available on our Smart Guide ® website.

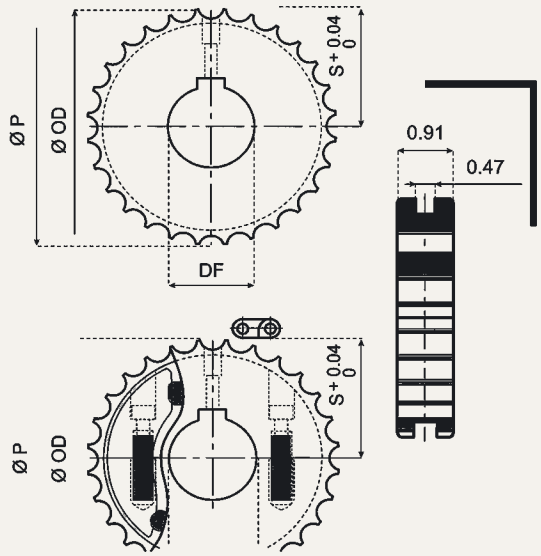
SYSTEM PLAST

SERIES 2120

DRIVE AND RETURN SPROCKETS – FOR BELTS 2120 - 2120M - 2121



MACHINED ONE-PIECE SPROCKET, POLYAMIDE (NATURAL WHITE)



MACHINED DRIVE SPROCKETS – ONE PIECE (TIGHT) AND SPLIT (FIXED): Ø P, Ø OD, DF, S + 0.04/0, 0.91, 0.47

FEATURES:

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

Z	Ø 1	Ø 1 ¼	Ø 1 ½
	ITEM DESCRIPTION		
MACHINED DRIVE SPROCKETS - ONE PIECE / TIGHT			
16	2120-16R1-DM-SS	2120-16R1.25-DM-SS	-
20	2120-20R1-DM-SS	2120-20R1.25-DM-SS	2120-20R1.5-DM-SS
24	2120-24R1-DM-SS	2120-24R1.25-DM-SS	2120-24R1.5-DM-SS
MACHINED DRIVE SPROCKETS - SPLIT / FIXED			
28	2120-28R1-DMS-SS	2120-28R1.25-DMS-SS	2120-28R1.5-DMS-SS
36	2120-36R1-DMS-SS	2120-36R1.25-DMS-SS	2120-36R1.5-DMS-SS
38	2120-38R1-DMS-SS	2120-38R1.25-DMS-SS	2120-38R1.5-DMS-SS
40	2120-40R1-DMS-SS	2120-40R1.25-DMS-SS	2120-40R1.5-DMS-SS

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

SYSTEM PLAST

SERIES 2120 (CONT.)

Z	Ø OD (IN)	Ø P (IN)	S (IN)
16	2.54	2.54	1.11
20	3.17	3.17	1.42
24	3.83	3.80	1.74
28	4.46	4.43	2.05
36	5.72	4.51	2.69
38	6.06	6.01	2.85
40	6.37	6.32	3.00

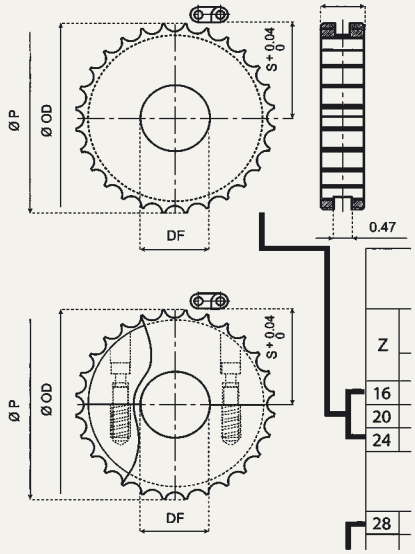
NOTES:

Sprockets with 'fixed' bores (standard split types) do not follow the expansion or contraction of a belt and therefore can be used only for belts widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).

For all other applications we recommend using floating sprockets. Sprockets that normally have a 'fixed' or 'tight' bore can be made 'floating' on request. In that case just add the letter P to the standard item description. For example, code **2120-14R1-DPS**

Sprockets with 'tight' bores (standard one piece types) can be a cost effective solution for many applications, but if the belt is wider than 680 mm (27-in) and large temperature fluctuations (> 30°C - 86°F) occur, we recommend using the floating versions. 'Tight' and 'floating' bore sprockets are recommended to be kept in position with set collars or with help of the positioners of the belt.

Information about this product is only available on our Smart Guide ® website.



MACHINED RETURN SPROCKETS – ONE PIECE AND SPLIT: Ø P, Ø OD, DF, S + 0.04/0, 0.91, 0.47

Z	Ø 18* (R18M)(MM) / Ø 23* (R23M)(MM)	Ø 1	Ø 1 ¼	Ø 1 ½
	ITEM DESCRIPTION			
MACHINED RETURN SPROCKETS - ONE PIECE				
16	2120-16R18M-RM	2120-16R1-RM	2120-16R1.25-RM	-
20	2120-20R18M-RM	2120-20R1-RM	2120-20R1.25-RM	2120-20R1.5-RM
24	2120-24R18M-RM	2120-24R1-RM	2120-24R1.25-RM	2120-24R1.5-RM
MACHINED RETURN SPROCKETS - SPLIT				
28	2120-28R23M-RMS	2120-28R1-RMS	2120-28R1.25-RMS	2120-28R1.5-RMS
36	2120-36R23M-RMS	2120-36R1-RMS	2120-36R1.25-RMS	2120-36R1.5-RMS
38	2120-38R23M-RMS	2120-38R1-RMS	2120-38R1.25-RMS	2120-38R1.5-RMS
40	2120-40R23M-RMS	2120-40R1-RMS	2120-40R1.25-RMS	2120-40R1.5-RMS

*Material: polyamide (natural white), screws in stainless steel, bushings in brass. *Plain bore*

SYSTEM PLAST

SERIES 2120

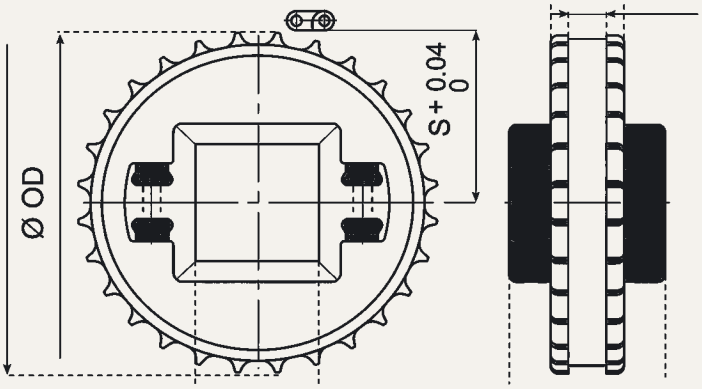
DRIVE SPROCKETS FOR BELTS 2120 - 2120M - 2121



MOLDED DRIVE SPROCKET, SQUARE BORE - SPLIT

FEATURES

- New design with snap-assembly system included.
- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Excellent wear and chemical resistance.
- Recyclable.



MOLDED DRIVE SPROCKET – Ø OD, Ø P, SQ, S + 0.04/0, 0.91, 0.47, 1.87

MOLDED DRIVE SPROCKETS SQUARE BORE - SPLIT / FLOATING

Z	Ø 1-1/2 X 1-1/2 ITEM DESCRIPTION
28	2120-28S1.5-DS

Material: reinforced polyamide (black), screws in stainless steel, nuts in nickel plated brass.



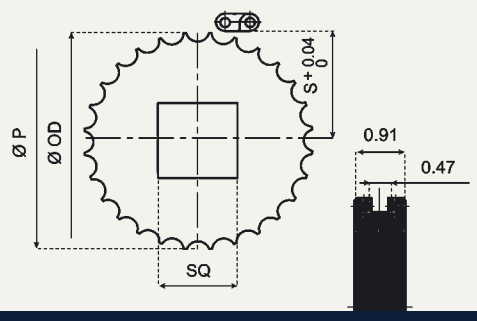
MACHINED DRIVE SPROCKET, SQUARE BORE

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
16	2.54	2.54	1.11
20	3.17	3.17	1.42
24	3.83	3.80	1.74
28	4.46	4.43	2.05
36	5.72	4.51	2.69
38	6.06	6.01	2.85



SYSTEM PLAST

SERIES 2120

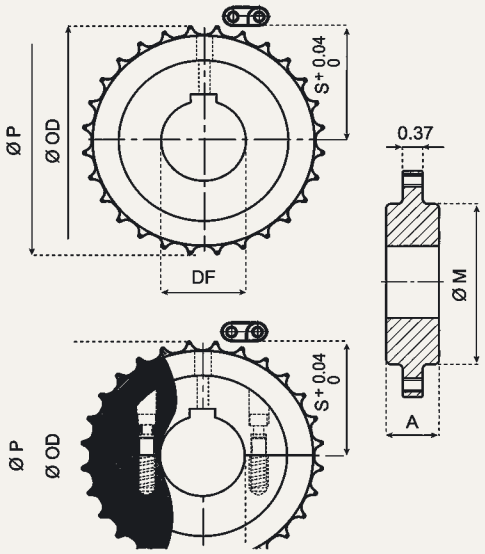
DRIVE AND RETURN SPROCKETS FOR BELT 2124

Item descriptions for drive sprockets are manufactured for a tight fit on the shaft.

Drive sprockets capable of floating freely on the shaft, just add the letter “P” (=plus) to the existing Item description. For example, code **2124-16R1-DPMS**



MACHINED SPROCKET FOR BELT 2124



MACHINED DRIVE SPROCKETS, ONE PIECE AND SPLIT – Ø OD, Ø P, Ø M, DF, A, S + 0.04/0, 0.37

FEATURES

- Increased strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easier to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

MACHINED DRIVE SPROCKETS - ONE PIECE / TIGHT

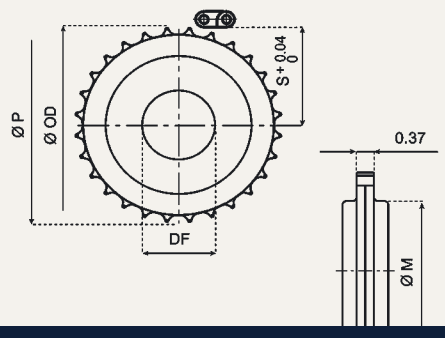
Z	Ø 1	Ø 1-1/4	Ø 1-1/2
	ITEM DESCRIPTION		
A = 0.98			
16	2124-16R1-DM-SS	2124-16R1.25-DM-SS	-
MACHINED DRIVE SPROCKETS – SPLIT / FIXED			
A = 1.34			
28	2124-28R1-DMS-SS	2124-28R1.25-DMS-SS	2124-28R1.5-DMS-SS

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	Ø M (IN)	S (IN)
16	2.50	2.54	1.69	1.11
28	4.48	4.43	3.62	2.06

Information about this product is only available on our Smart Guide ® website.



MACHINED RETURN SPROCKETS - ONE PIECE

Z	Ø 1	Ø 1-1/4	Ø 1-1/2
	ITEM DESCRIPTION		
A = 0.98			
16	2124-16R1-RM	2124-16R1.25-RM	-
MACHINED RETURN SPROCKETS – SPLIT			
A = 1.34			
28	2124-28R1-	2124-28R1.25-	2124-28R1.5-

SYSTEM PLAST

SERIES 2190

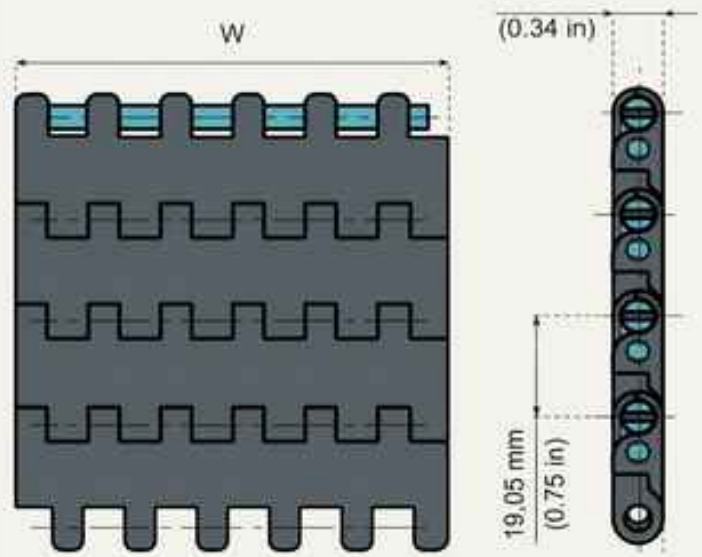
19,05 MM (¾") MODULAR BELTS 2190

FLAT TOP VERSION

Single track.



NG® EVO FLAT TOP BELT



SINGLE TRACK – W, 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

STANDARD MATERIAL

NGE (GREY BLUE)

New Generation ®

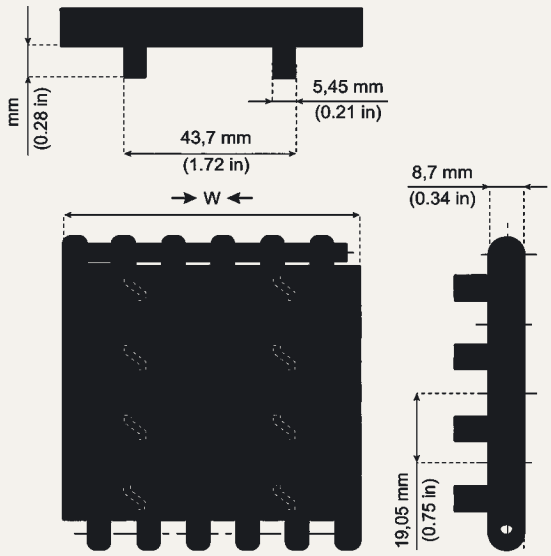
SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2190FT-K300	NGE Grey Blue	76,2	3	19,05	0.75	20	0.79	2070	460	0,6	0.4
NGE2190FT-K325	NGE Grey Blue	82,6	3.25	19,05	0.75	20	0.79	2250	500	0,6	0.4
NGE2190FT-K450	NGE Grey Blue	114,3	4.5	19,05	0.75	20	0.79	3060	680	0,8	0.54
NGE2190FT-K600	NGE Grey Blue	152,4	6	19,05	0.75	20	0.79	4150	910	1,1	0.74
NGE2190FT-K750	NGE Grey Blue	190,5	7.5	19,05	0.75	20	0.79	5150	1140	1,4	0.94

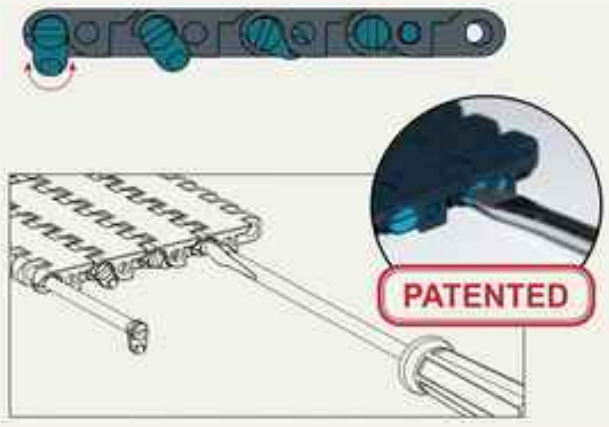
Standard length: 160 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2190 (CONT.)



SINGLE TRACK WITH POSITIONER – 7 MM (0.28 IN), 5,45 MM (0.21 IN), 43,7 MM (1.72 IN), W, 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)



PATENTED POSITIONER PIN

Pin material: PBT (water blue)

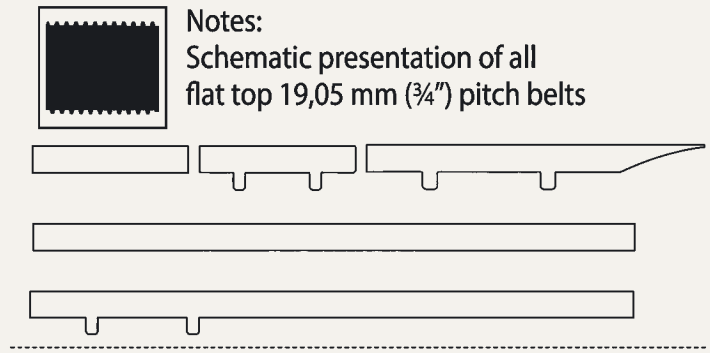
SINGLE TRACK WITH POSITIONER

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2190FT-PT-K300	NGE Grey Blue	76,2	3	19,05	0.75	20	0.79	2070	460	0,6	0.4
NGE2190FT-PT-K325	NGE Grey Blue	82,6	3.25	19,05	0.75	20	0.79	2250	500	0,6	0.4
NGE2190FT-PT-K450	NGE Grey Blue	114,3	4.5	19,05	0.75	20	0.79	3060	680	0,8	0.54
NGE2190FT-PT-K600	NGE Grey Blue	152,4	6	19,05	0.75	20	0.79	4150	910	1,1	0.74
NGE2190FT-PT-K750	NGE Grey Blue	190,5	7.5	19,05	0.75	20	0.79	5150	1140	1,4	0.94

Standard length: 160 pitches (3,048 m - 10 ft.)

OTHER VERSION FOR 19,05 MM (¾") BELTS

2190 FG



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 19,05 MM (¾") PITCH BELTS

Information about this product is only available on our Smart Guide ® website.

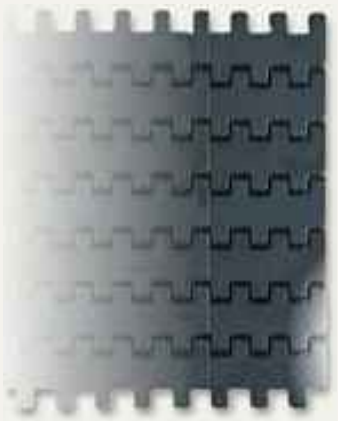
SYSTEM PLAST

SERIES 2190

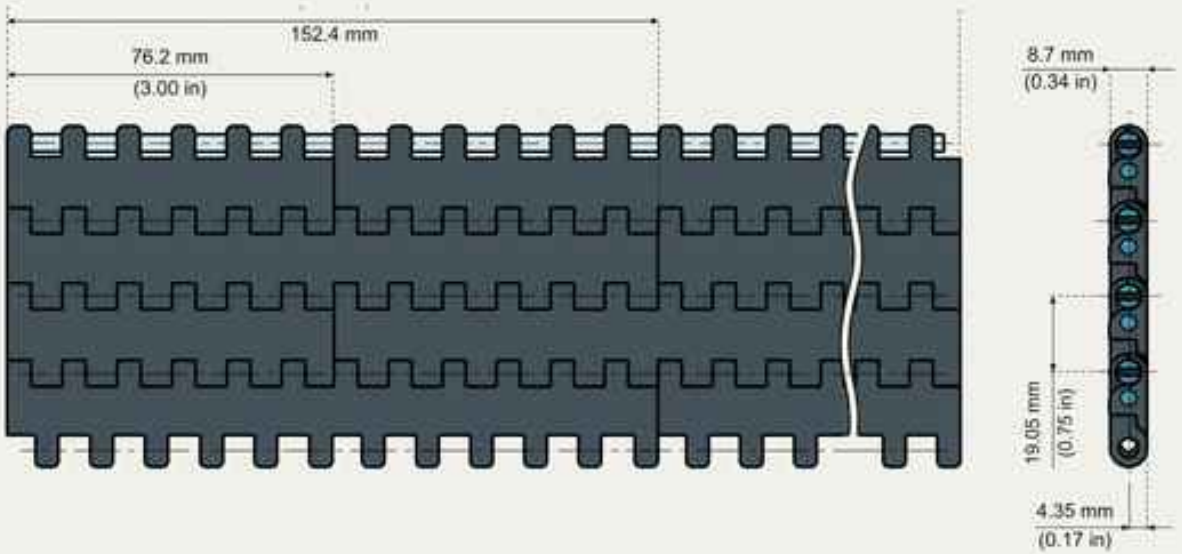
19,05 MM (¾") MODULAR BELTS 2190

FLAT TOP VERSION

Wide belt widths, 19,05 mm (¾") pitch.



NG® EVO FLAT TOP BELT



FLAT TOP BELT – W, 76,2 MM (3.00 IN), 152,4 MM (6.00 IN), 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 20 mm (0.79 in)

Max load capacity: 27000 N/m (1800 lbs/ft.)

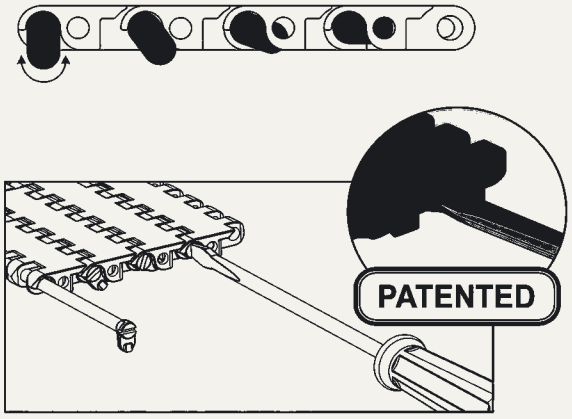
Weight: 8,2 Kg/m² (1.67 lbs/ft².)

Pin material: PBT (water blue)

Standard length: width ≤ 15 in: 3,048 m (10 ft.); width > 15 in ≤ 66 in: 1,524 m (5 ft.); width > 66 in: on request

SYSTEM PLAST

SERIES 2190 (CONT.)



PATENTED POSITIONER PIN

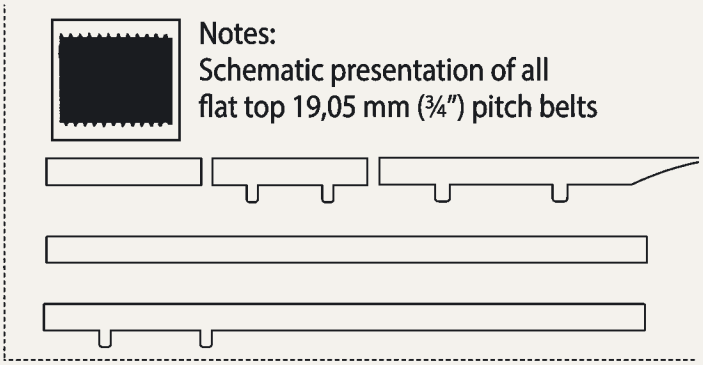
STANDARD MATERIAL

NGE (GREY BLUE)

New Generation ®

OTHER VERSION FOR 19,05 MM (¾") BELTS

2190 FG



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 19,05 MM (¾") PITCH BELTS

Information about this product is only available on our Smart Guide ® website.

BELT WIDTHS

WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	Go to: 40200a
152	6.00	Go to: 40200a
229	9.00	NGE2190FT-K900
305	12.00	NGE2190FT-K1200
381	15.00	NGE2190FT-K1500
457	18.00	NGE2190FT-K1800
533	21.00	NGE2190FT-K2100
610	24.00	NGE2190FT-K2400
686	27.00	NGE2190FT-K2700
762	30.00	NGE2190FT-K3000
838	33.00	NGE2190FT-K3300
914	36.00	NGE2190FT-K3600
991	39.00	NGE2190FT-K3900
1067	42.00	NGE2190FT-K4200
1143	45.00	NGE2190FT-K4500
1219	48.00	NGE2190FT-K4800
1295	51.00	NGE2190FT-K5100
1372	54.00	NGE2190FT-K5400
1448	57.00	NGE2190FT-K5700
1524	60.00	NGE2190FT-K6000

SYSTEM PLAST

SERIES 2190

19,05 MM (¾") MODULAR BELTS 2190

FLAT TOP VERSION WITH TWIN POSITIONERS

NG® evo conveyor components made from engineered plastic resin.



2190 FLAT TOP BELT WITH TWIN POSITIONERS

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

TECHNICAL DATA

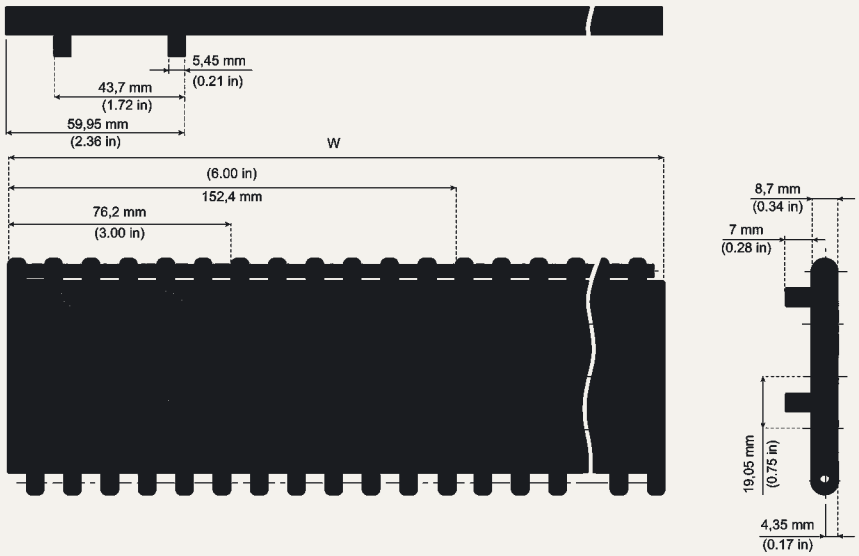
Backflex radius: 20 mm (0.79 in)

Max load capacity: 27000 N/m (1800 lbs/ft.)

Weight: 8,2 Kg/m^2 (1.67 lbs/ft^2.)

Pin material: PBT (water blue)

Standard length:
width ≤ 15 in: 3,048 m (10 ft.)
width > 15 in ≤ 66 in: 1,524 m (5 ft.)
width > 66 in: on request



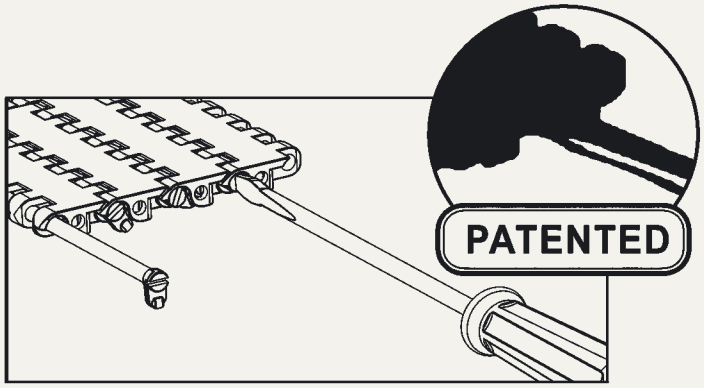
BELT DIMENSIONS – TOP, PLAN AND CROSS-SECTION VIEWS: 5,45 MM (0.21 IN), 43,7 MM (1.72 IN), 59.95 MM (2.36 IN), 76,2 MM (3.00 IN), 152,4 MM (6.00 IN), WIDTH W, 8,7 MM (0.34 IN), 7 MM (0.28 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2190 (CONT.)



HINGE ROD DETAIL



PATENTED ROD INSERTION/EXTRACTION SYSTEM

STANDARD MATERIAL

NGE (GREY BLUE)
New Generation®

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
229	9.00	NGE2190FT-PT-K900
305	12.00	NGE2190FT-PT-K1200
381	15.00	NGE2190FT-PT-K1500
457	18.00	NGE2190FT-PT-K1800
533	21.00	NGE2190FT-PT-K2100
610	24.00	NGE2190FT-PT-K2400
686	27.00	NGE2190FT-PT-K2700
762	30.00	NGE2190FT-PT-K3000
838	33.00	NGE2190FT-PT-K3300
914	36.00	NGE2190FT-PT-K3600
991	39.00	NGE2190FT-PT-K3900
1067	42.00	NGE2190FT-PT-K4200
1143	45.00	NGE2190FT-PT-K4500
1219	48.00	NGE2190FT-PT-K4800
1295	51.00	NGE2190FT-PT-K5100
1372	54.00	NGE2190FT-PT-K5400
1448	57.00	NGE2190FT-PT-K5700
1524	60.00	NGE2190FT-PT-K6000
1600	63.00	NGE2190FT-PT-K6300
1676	66.00	NGE2190FT-PT-K6600
1753	69.00	NGE2190FT-PT-K6900
1829	72.00	NGE2190FT-PT-K7200
1905	75.00	NGE2190FT-PT-K7500
1981	78.00	NGE2190FT-PT-K7800
2057	81.00	NGE2190FT-PT-K8100
2134	84.00	NGE2190FT-PT-K8400
2210	87.00	NGE2190FT-PT-K8700
2286	90.00	NGE2190FT-PT-K9000

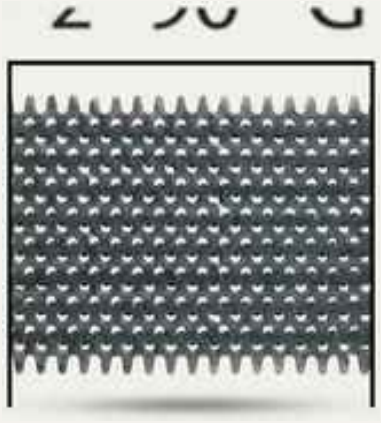
Other widths available on request.

OTHER VERSION FOR 19,05 MM (¾") BELTS

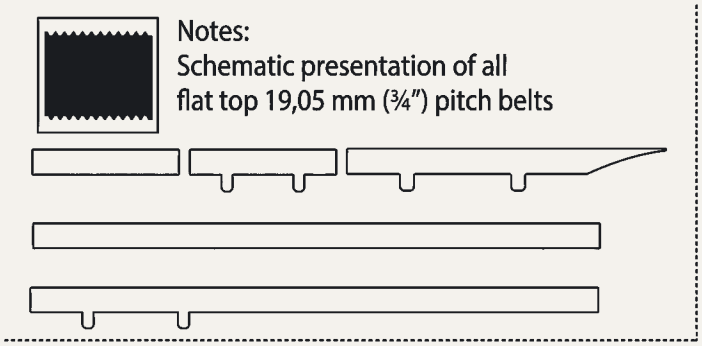
2190 FG

SYSTEM PLAST

SERIES 2190 (CONT.)



2190 FG



SCHEMATIC PRESENTATION OF ALL FLAT TOP 19,05 MM (¾") PITCH BELTS

NOTES

Schematic presentation of all flat top 19,05 mm (¾") pitch belts.

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2190

SINGLE TRACK 19,05 MM (¾") 2190 WITH TRANSFER WING



SINGLE TRACK 2190 BELT WITH TRANSFER WING

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

TECHNICAL DATA

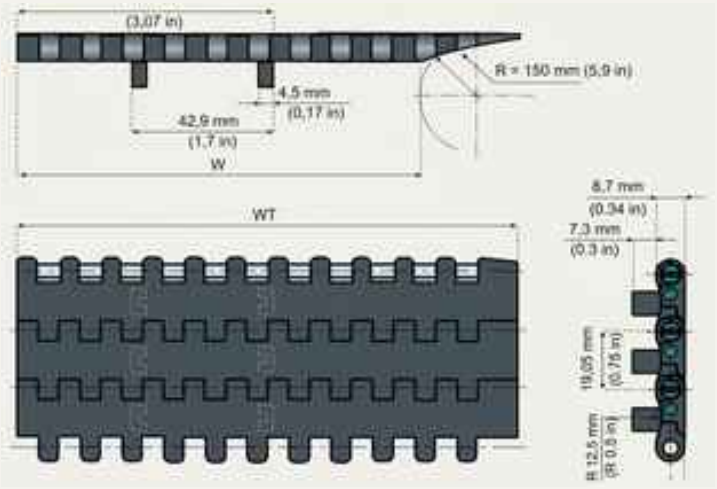
Backflex radius: 20 mm (0.79 in)

Max load capacity:
K480T: 3300 N (730 lbs)
K510T: 3500 N (780 lbs)

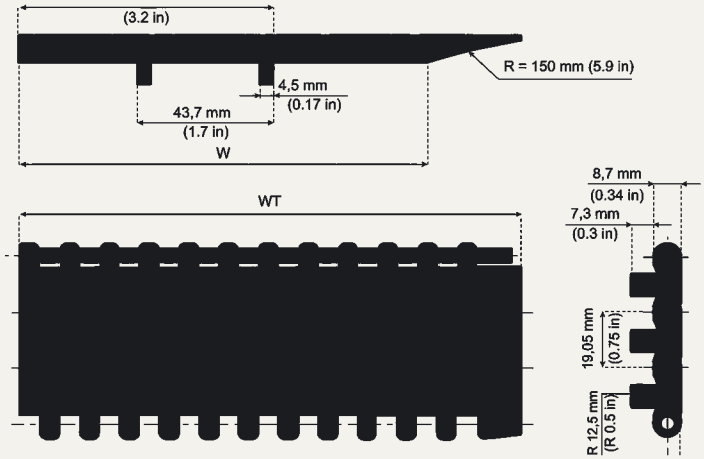
Weight: 1,2 Kg/m (0,85 lbs/ft)

Pin material: PBT (water blue)

Standard length: 3,048 m (10 ft)



VERSION 4.8 INCHES (TOTAL WIDTH 6 INCHES) – 78 MM (3.07 IN), 42,9 MM (1.7 IN), 4,5 MM (0.17 IN), WIDTH W, WIDTH WT, R = 150 MM (5.9 IN), 8,7 MM (0.34 IN), 7,3 MM (0.3 IN), 19,05 MM (0.75 IN), R 12,5 MM (R 0.5 IN), 4,35 MM (0.17 IN)



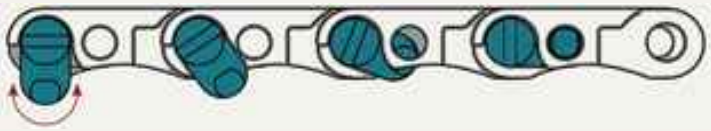
VERSION 5.1 INCHES (TOTAL WIDTH 6.3 INCHES) – 81 MM (3.2 IN), 43,7 MM (1.7 IN), 4,5 MM (0.17 IN), WIDTH W, WIDTH WT, R = 150 MM (5.9 IN), 8,7 MM (0.34 IN), 7,3 MM (0.3 IN), 19,05 MM (0.75 IN), R 12,5 MM (R 0.5 IN), 4,35 MM (0.17 IN)

STANDARD MATERIAL

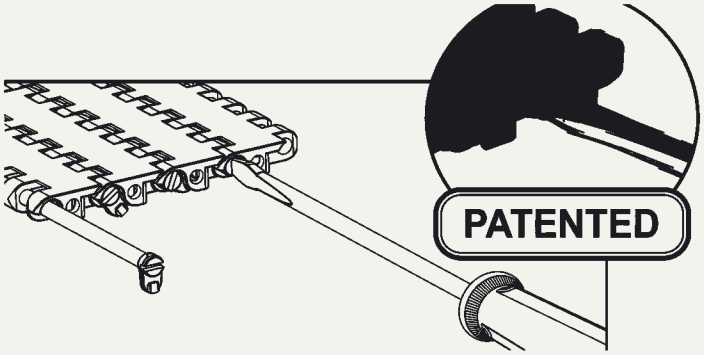
NGE (GREY BLUE)
New Generation®

SYSTEM PLAST

SERIES 2190 (CONT.)



HINGE ROD DETAIL



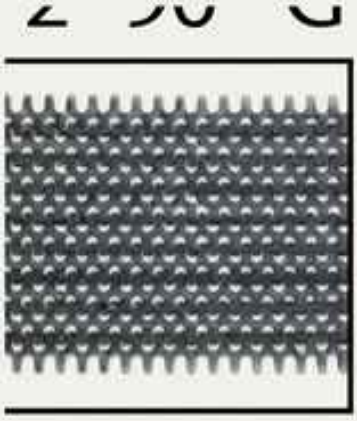
PATENTED ROD INSERTION/EXTRACTION SYSTEM

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		WIDTH WT		ITEM DESCRIPTION
MM	IN	MM	IN	
122	4.8	152,4	6.0	NGE2190FT-PT-K480T
130	5.1	160,0	6.3	NGE2190FT-PT-K510T

OTHER VERSION FOR 19,05 MM (¾") BELTS

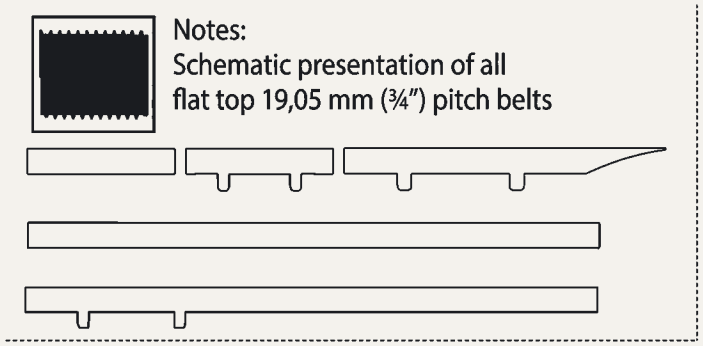
2190 FG



2190 FG

NOTES

Schematic presentation of all flat top 19,05 mm (¾") pitch belts.



SCHEMATIC PRESENTATION OF ALL FLAT TOP 19,05 MM (¾") PITCH BELTS

SYSTEM PLAST

SERIES 2190

19,05 MM (¾") MODULAR BELTS 2190

FLUSH GRID VERSION

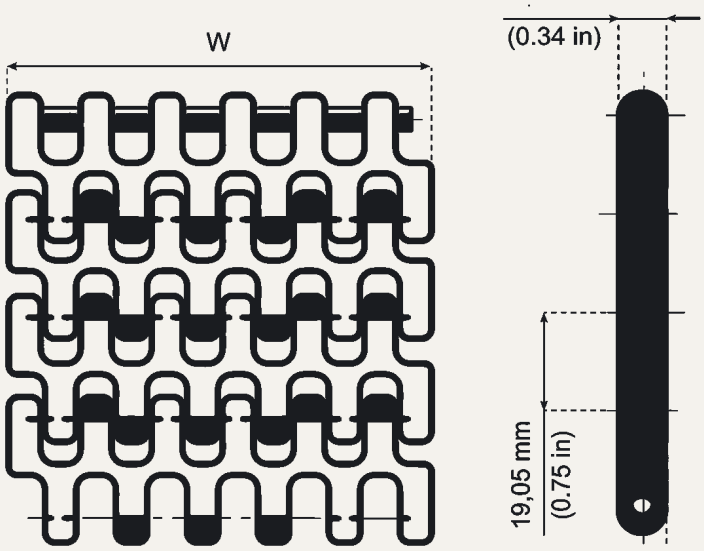
NG® evo conveyor components made from engineered plastic resin.



2190 FLUSH GRID BELT

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



SINGLE TRACK – WIDTH W, 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

STANDARD MATERIAL

NGE (GREY BLUE)
New Generation®

SINGLE TRACK

Pin material: PBT (water blue) **Open surface:** 19%

SINGLE TRACK - BELT DATA

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2190FG-K300	NGE Grey Blue	76,2	3	19,05	0.75	20	0.79	2070	460	0,5	0.34
NGE2190FG-K325	NGE Grey Blue	82,6	3.25	19,05	0.75	20	0.79	2250	500	0,5	0.34
NGE2190FG-K450	NGE Grey Blue	114,3	4.5	19,05	0.75	20	0.79	3060	680	0,7	0.47
NGE2190FG-K600	NGE Grey Blue	152,4	6	19,05	0.75	20	0.79	4150	910	1	0.67
NGE2190FG-K750	NGE Grey Blue	190,5	7.5	19,05	0.75	20	0.79	5150	1140	1,2	0.81

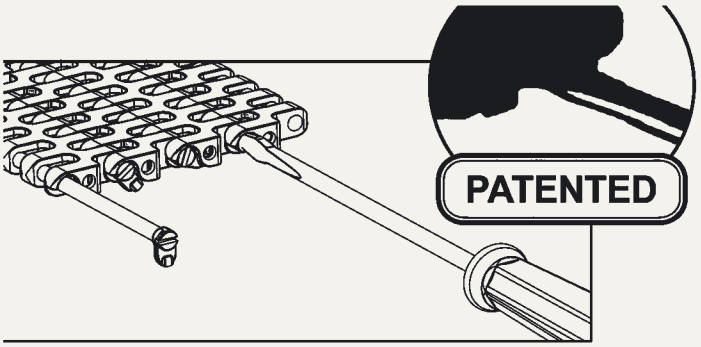
Standard length: 160 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

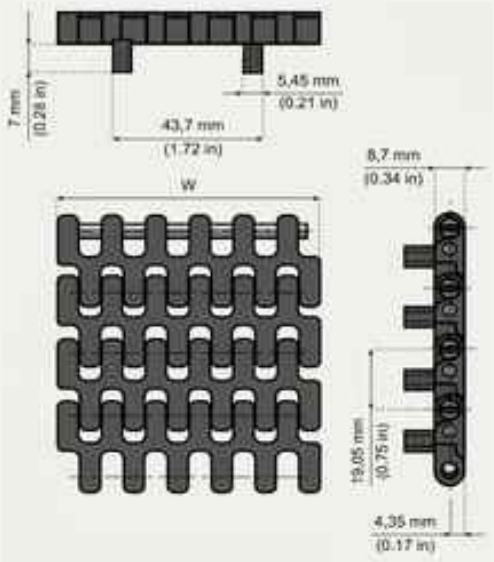
SERIES 2190 (CONT.)



HINGE ROD DETAIL



PATENTED ROD INSERTION/EXTRACTION SYSTEM



SINGLE TRACK WITH POSITIONER – 7 MM (0.28 IN), 43,7 MM (1.72 IN), 5,45 MM (0.21 IN), WIDTH W, 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

SINGLE TRACK WITH POSITIONER

Pin material: PBT (water blue) **Open surface:** 19%

SINGLE TRACK WITH POSITIONER - BELT DATA

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2190FG-PT-K300	NGE Grey Blue	76,2	3	19,05	0.75	20	0.79	2070	460	0,5	0.34
NGE2190FG-PT-K325	NGE Grey Blue	82,6	3.25	19,05	0.75	20	0.79	2250	500	0,5	0.34
NGE2190FG-PT-K450	NGE Grey Blue	114,3	4.5	19,05	0.75	20	0.79	3060	680	0,7	0.47
NGE2190FG-PT-K600	NGE Grey Blue	152,4	6	19,05	0.75	20	0.79	4150	910	1	0.67
NGE2190FG-PT-K750	NGE Grey Blue	190,5	7.5	19,05	0.75	20	0.79	5150	1140	1,2	0.81

Standard length: 160 pitches (3,048 m - 10 ft.)

OTHER VERSION FOR 19,05 MM (¾") BELTS

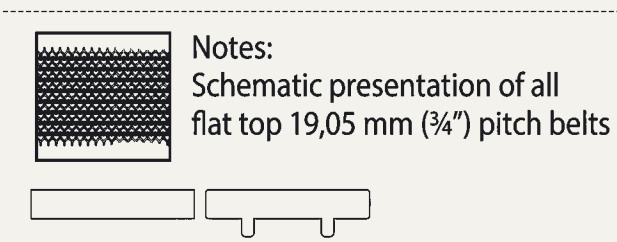
2190 FT

SYSTEM PLAST

SERIES 2190 (CONT.)



2190 FT



SCHEMATIC PRESENTATION OF ALL FLAT TOP 19,05 MM (¾") PITCH BELTS

NOTES

Schematic presentation of all flat top 19,05 mm (¾") pitch belts.

SYSTEM PLAST

SERIES 2190

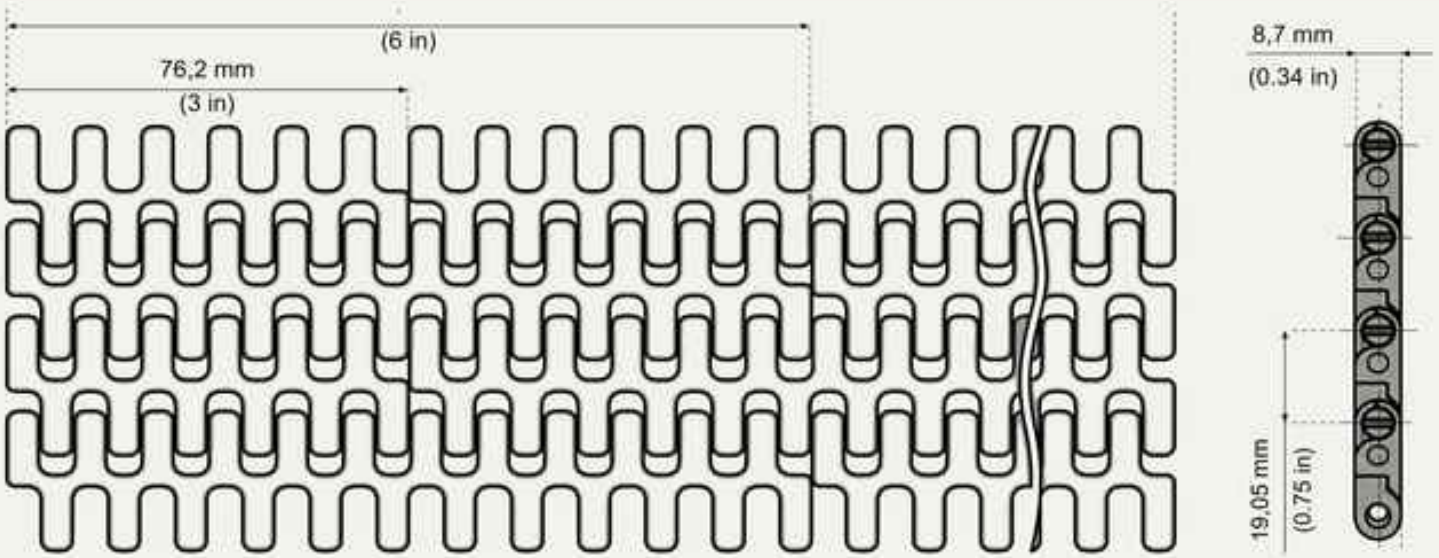
19,05 MM (¾") MODULAR BELTS 2190 – FLUSH GRID VERSION



2190 FLUSH GRID BELT SURFACE

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



BELT TOP VIEW AND SECTION – W, 152,4 MM (6 IN), 76,2 MM (3 IN), 8,7 MM (0.34 IN), 19,05 MM (0.75 IN), 4,35 MM (0.17 IN)

TECHNICAL DATA

Backflex radius: 20 mm (0.79 in)

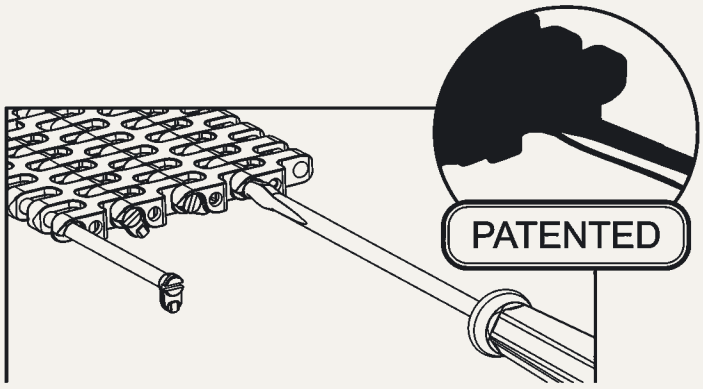
Max load capacity: 27000 N/m (1800 lbs/ft.)

Weight: 7,7 Kg/m² (1.57 lbs/ft².)

Pin material: PBT (water blue)

Open surface: 19%

Standard length: width ≤ 15 in: 3,048 m (10 ft.); width > 15 in ≤ 66 in: 1,524 m (5 ft.); width > 66 in: on request



PATENTED PIN RETENTION SYSTEM

STANDARD MATERIAL

NGE (GREY BLUE)

New Generation®

SYSTEM PLAST

SERIES 2190 (CONT.)

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	Go to: 40220a
152	6.00	
229	9.00	NGE2190FG-K900
305	12.00	NGE2190FG-K1200
381	15.00	NGE2190FG-K1500
457	18.00	NGE2190FG-K1800
533	21.00	NGE2190FG-K2100
610	24.00	NGE2190FG-K2400
686	27.00	NGE2190FG-K2700
762	30.00	NGE2190FG-K3000
838	33.00	NGE2190FG-K3300
914	36.00	NGE2190FG-K3600
991	39.00	NGE2190FG-K3900
1067	42.00	NGE2190FG-K4200
1143	45.00	NGE2190FG-K4500
1219	48.00	NGE2190FG-K4800
1295	51.00	NGE2190FG-K5100
1372	54.00	NGE2190FG-K5400
1448	57.00	NGE2190FG-K5700
1524	60.00	NGE2190FG-K6000
1600	63.00	NGE2190FG-K6300
1676	66.00	NGE2190FG-K6600
1753	69.00	NGE2190FG-K6900
1829	72.00	NGE2190FG-K7200
1905	75.00	NGE2190FG-K7500
1981	78.00	NGE2190FG-K7800
2057	81.00	NGE2190FG-K8100
2134	84.00	NGE2190FG-K8400
2210	87.00	NGE2190FG-K8700
2286	90.00	NGE2190FG-K9000

Other widths available on request.



2190 FT

OTHER VERSION FOR 19,05 MM (¾") BELTS

2190 FT

NOTES

Schematic presentation of all flat top 19,05 mm (¾") pitch belts.

Notes:

SYSTEM PLAST

SERIES 2124

DRIVE AND RETURN SPROCKETS FOR BELT 2190

NOTE

Sprockets with 'fixed' bores (standard split types) do not follow the expansion or contraction of a belt and therefore can be used only for belts widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).

For all other applications we recommend using floating sprockets. Sprockets that normally have a 'fixed' or 'tight' bore can be made 'floating' on request. In that case just add the letter P to the standard item description. For example, code 2190-17R1-D**P**MS

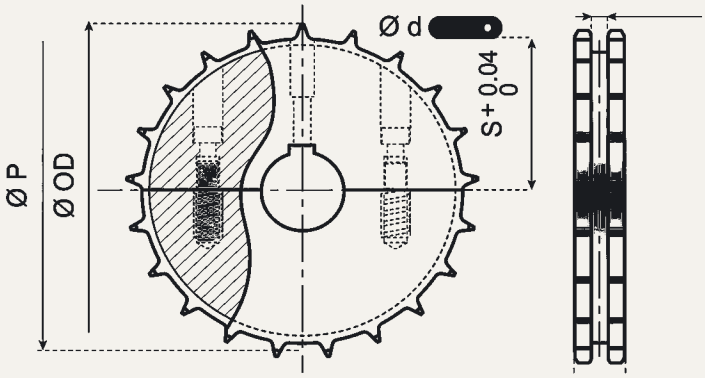
Sprockets with 'tight' bores (standard one piece types) can be a cost effective solution for many applications, but if the belt is wider than 680 mm (27-in) and large temperature fluctuations (> 30°C - 86°F) occur, we recommend using the floating versions. 'Tight' and 'floating' bore sprockets are recommended to be kept in position with set collars or with help of the positioners of the belt.

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



MACHINED SPROCKET



SPROCKET DIMENSIONS – Ø P, Ø OD, S +0.04/0, 0.28, 0.71

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
17	4.07	3.96	1.81
21	5.07	5.03	2.31
24	5.73	5.63	2.64
25	5.97	5.87	2.76

MACHINED DRIVE SPROCKETS - SPLIT / FIXED

Z	Ø 1	Ø 1-1/4	Ø 1-1/2
	ITEM DESCRIPTION		
17	2190-17R1-DMS-SS	2190-17R1.25-DMS-SS	-
21	2190-21R1-DMS-SS	2190-21R1.25-DMS-SS	2190-21R1.5-DMS-SS
24	2190-24R1-DMS-SS	2190-24R1.25-DMS-SS	2190-24R1.5-DMS-SS
25	2190-25R1-DMS-SS	2190-25R1.25-DMS-SS	2190-25R1.5-DMS-SS

MACHINED RETURN SPROCKETS - SPLIT

Z	Ø 1	Ø 1-1/4	Ø 1-1/2
17	2190-17R1-RMS	2190-17R1.25-RMS	-
21	2190-21R1-RMS	2190-21R1.25-RMS	2190-21R1.5-RMS
24	2190-24R1-RMS	2190-24R1.25-RMS	2190-24R1.5-RMS
25	2190-25R1-RMS	2190-25R1.25-RMS	2190-25R1.5-RMS

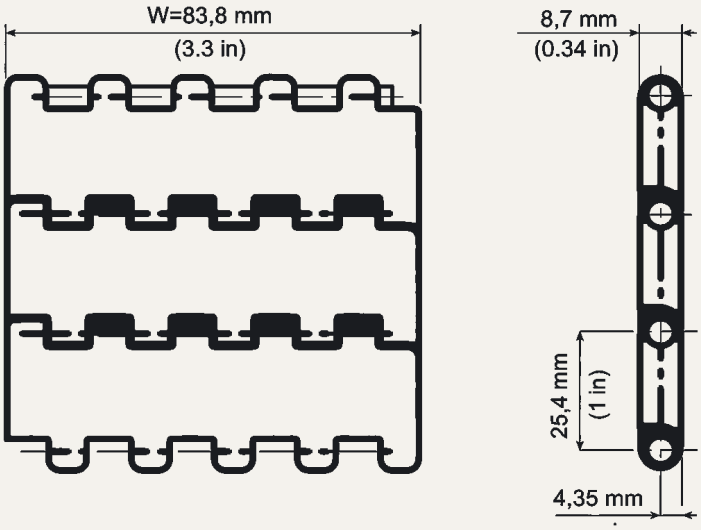
SYSTEM PLAST

SERIES 2250

25,4 MM (1”) 2250 MODULAR BELTS – FLAT TOP VERSION – THICKNESS: 8,7 MM (0.34 IN)



2250 FLAT TOP BELT



SINGLE TRACK – W=83,8 MM (3.3 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

SINGLE TRACK

Pin material: PBT (white)

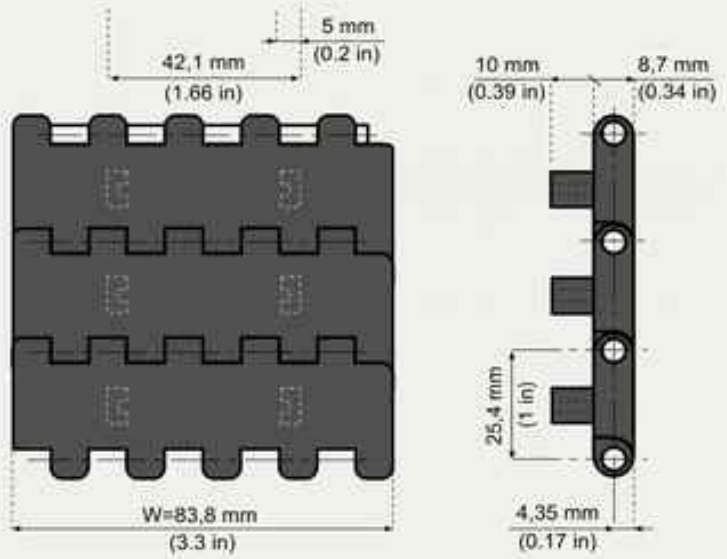
SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2250FT-K330	NGE Grey Blue	83,8	3.3	25,4	1	25	0.98	1890	425	0,6	0.4
LFG2250FT-K330	LFG Grey	83,8	3.3	25,4	1	25	0.98	2100	470	0,6	0.4

Standard length: 120 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2250 (CONT.)



SINGLE TRACK WITH POSITIONER – 42,1 MM (1.66 IN), 5 MM (0.2 IN), 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), W=83,8 MM (3.3 IN), 4,35 MM (0.17 IN)

SINGLE TRACK WITH POSITIONER

Pin material: PBT (white)

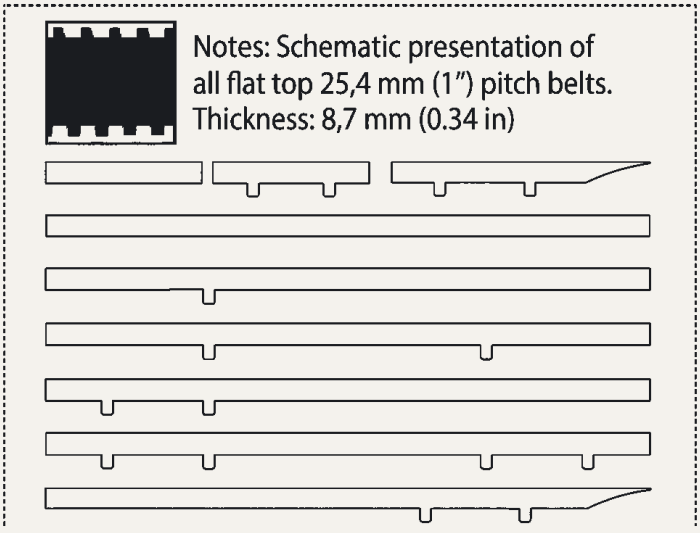
SINGLE TRACK WITH POSITIONER

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2250FT-PT-K330	NGE Grey Blue	83,8	3.3	25,4	1	25	0.98	1890	425	0,6	0.4
LFG2250FT-PT-K330	LFG Grey	83,8	3.3	25,4	1	25	0.98	2100	470	0,6	0.4

Standard length: 120 pitches (3,048 m - 10 ft.)

NOTES

Schematic presentation of all flat top 25,4 mm (1") pitch belts. Thickness: 8,7 mm (0.34 in)



SCHEMATIC PRESENTATION OF FLAT TOP 25,4 MM (1") PITCH BELTS

OTHER VERSIONS FOR 25,4 MM (1") BELTS

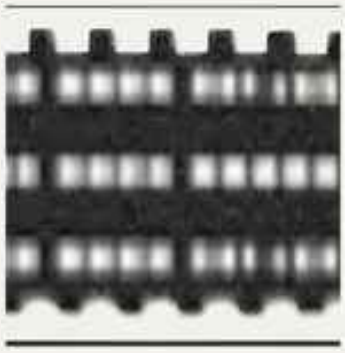
FG – Flush grid

VG – Rubber insert

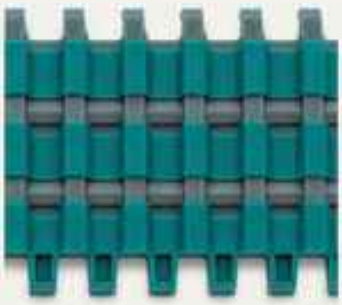
RTC – Roller top

SYSTEM PLAST

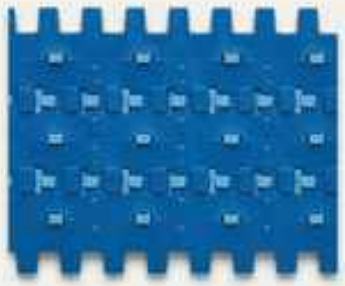
SERIES 2250 (CONT.)



FG – FLUSH GRID



VG – RUBBER INSERT



RTC – ROLLER TOP

STANDARD MATERIALS

NGE (GREY BLUE) – New Generation®

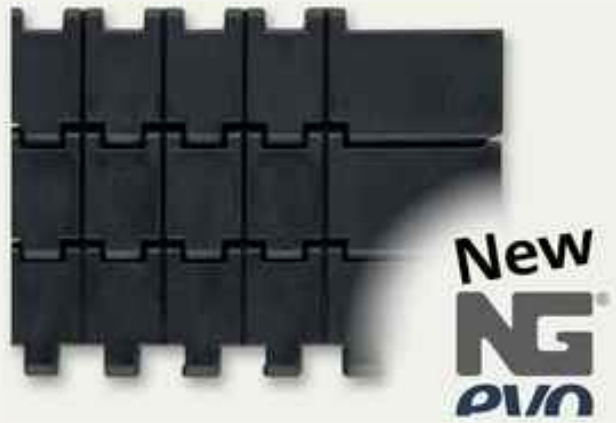
LFG (GREY) – Low friction acetal resin

Information about this product is only available on our Smart Guide® website.

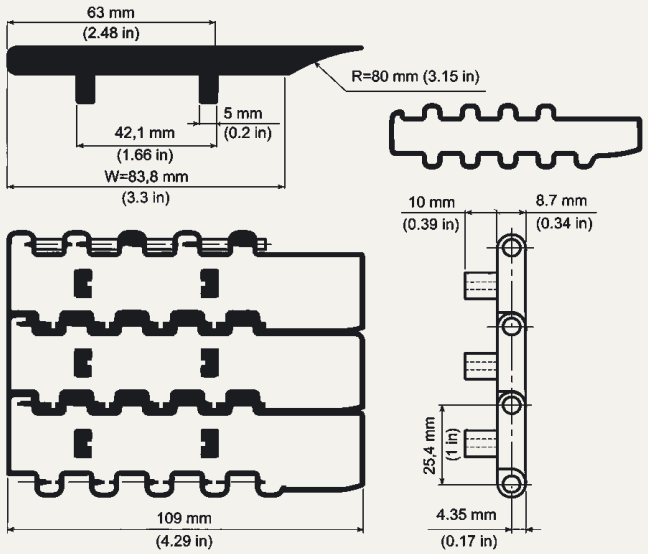
SYSTEM PLAST

SERIES 2250

25,4 MM (1") 2250 WITH TRANSFER WING – THICKNESS: 8,7 MM (0.34 IN)



2250 FLAT TOP BELT WITH TRANSFER WING



SINGLE TRACK – 63 MM (2.48 IN), 42,1 MM (1.66 IN), 5 MM (0.2 IN), W=83,8 MM (3.3 IN), R=80 MM (3.15 IN), 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 109 MM (4.29 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

STANDARD MATERIAL

NGE (GREY BLUE)

New Generation®

SINGLE TRACK

Pin material: PBT (white)

SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2250FT-PT-K330T	NGE Grey Blue	83,8	3.3	25,4	1	30	1.18	1890	425	0,7	0.47

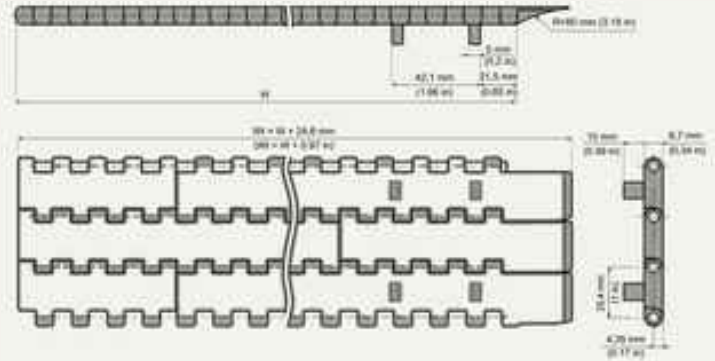
Standard length: 120 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2250 (CONT.)



WIDER VERSIONS



WIDER VERSIONS – W, WT = W + 24,6 MM (WT = W + 0.97 IN), R=80 MM (3.15 IN), 42,1 MM (1.66 IN), 21,5 MM (0.85 IN), 5 MM (0.2 IN), 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

WIDER VERSIONS - TECHNICAL DATA

Backflex radius: 30 mm (1.18 in)

Max load capacity: 22500 N/m (1530 lbs/ft)

Weight: 7,4 Kg/m² (1.51 lbs/ft².)

Pin material: PBT (white)

Standard length: width ≤ 340 mm: 3,048 m; width > 340 mm ≤ 1700 mm: 1,524 m; width > 1700 mm: on request

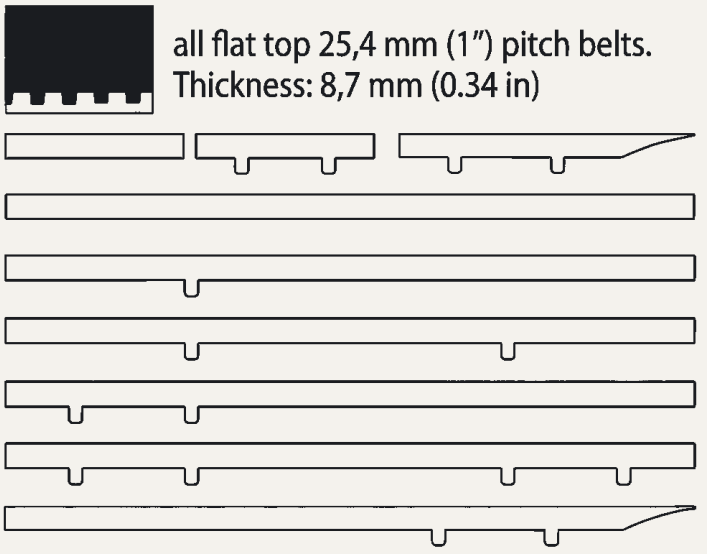
WIDER VERSIONS - BELT WIDTHS

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2250FT-PT-M0085T
170	6.69	NGE2250FT-PT-M0170T
255	10.04	NGE2250FT-PT-M0255T
340	13.39	NGE2250FT-PT-M0340T
425	16.73	NGE2250FT-PT-M0425T
510	20.08	NGE2250FT-PT-M0510T

Other widths available on request.
Information about this product is only available on our Smart Guide® website.

NOTES

Schematic presentation of all flat top 25,4 mm (1") pitch belts. Thickness: 8,7 mm (0.34 in)



SCHEMATIC PRESENTATION OF FLAT TOP 25,4 MM (1") PITCH BELTS

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FG – Flush grid

VG – Rubber insert

RTC – Roller top

SYSTEM PLAST

SERIES 2250 (CONT.)



FG – FLUSH GRID



VG – RUBBER INSERT



RTC – ROLLER TOP

SYSTEM PLAST

SERIES 2250

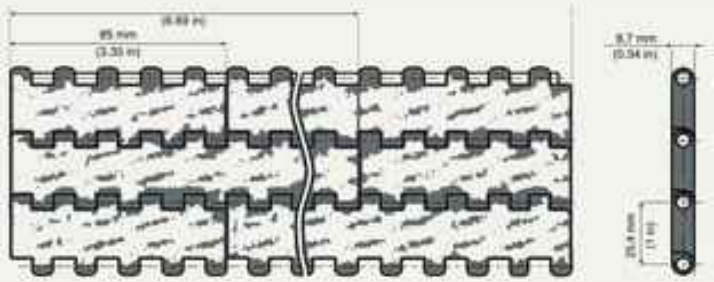
25,4 MM (1") 2250 MODULAR BELTS – FLAT TOP VERSION, THICKNESS 8,7 MM (0.34 IN)

25,4 mm (1") 2250 MODULAR BELTS - THICKNESS: 8,7 mm (0.34 in)

FLAT TOP VERSION



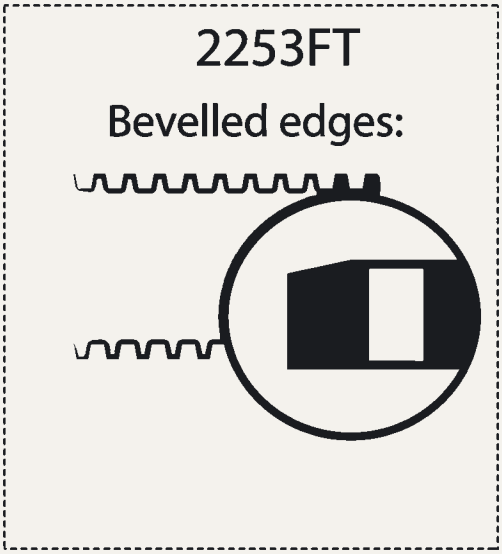
LFG AND LFB FLAT TOP BELT VERSIONS



FLAT TOP BELT – PLAN VIEW (W, 170 MM / 6.69 IN, 85 MM / 3.35 IN) AND SECTION (8,7 MM / 0.34 IN, 25,4 MM / 1 IN, 4,35 MM / 0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



2253FT – BEVELLED EDGES



BELTS WITH FLIGHTS

Backflex radius: 25 mm (0.98 in)

Max load capacity (LFG & LFB): 25000 N/m (1700 lbs/ft.)

Weight: 7,4 Kg/m² (1.51 lbs/ft².)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIALS

NGE (GREY BLUE)	LFG (GREY)	LFB (BLUE)
New Generation ®	Low friction acetal resin	

SYSTEM PLAST

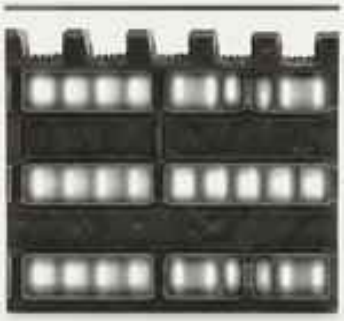
SERIES 2250 (CONT.)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

FG – Flush grid

VG – Rubber insert

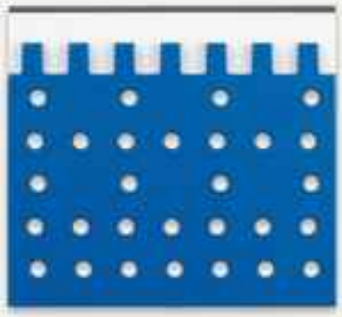
RTC – Roller top



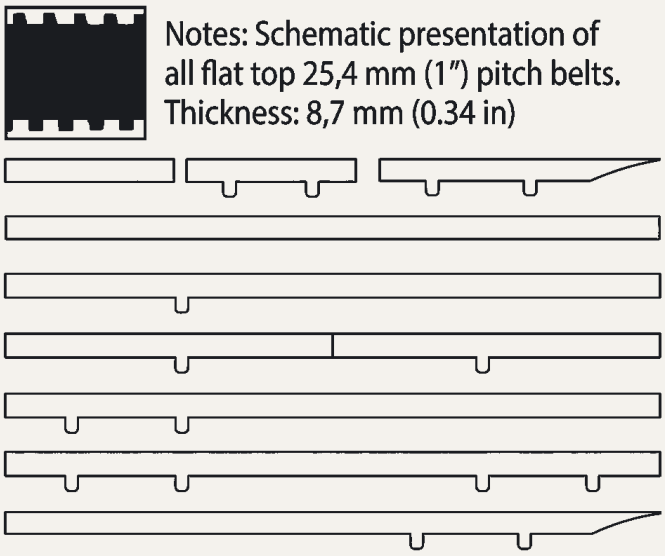
FG – FLUSH GRID



VG – RUBBER INSERT



RTC – ROLLER TOP



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

FLAT TOP BELTS - WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION		
MM	IN	NGE (GREY BLUE)	LFG (GREY)	LFB (BLUE)
85	3.35	NGE2250FT-M0085	LFG2250FT-M0085	LFB2250FT-M0085
170	6.69	NGE2250FT-M0170	LFG2250FT-M0170	LFB2250FT-M0170
255	10.04	NGE2250FT-M0255	LFG2250FT-M0255	LFB2250FT-M0255
340	13.39	NGE2250FT-M0340	LFG2250FT-M0340	LFB2250FT-M0340
425	16.73	NGE2250FT-M0425	LFG2250FT-M0425	LFB2250FT-M0425
510	20.08	NGE2250FT-M0510	LFG2250FT-M0510	LFB2250FT-M0510
595	23.43	NGE2250FT-M0595	LFG2250FT-M0595	LFB2250FT-M0595
680	26.77	NGE2250FT-M0680	LFG2250FT-M0680	LFB2250FT-M0680
765	30.12	NGE2250FT-M0765	LFG2250FT-M0765	LFB2250FT-M0765
850	33.46	NGE2250FT-M0850	LFG2250FT-M0850	LFB2250FT-M0850
935	36.81	NGE2250FT-M0935	LFG2250FT-M0935	LFB2250FT-M0935
1020	40.16	NGE2250FT-M1020	LFG2250FT-M1020	LFB2250FT-M1020
1105	43.50	NGE2250FT-M1105	LFG2250FT-M1105	LFB2250FT-M1105
1190	46.85	NGE2250FT-M1190	LFG2250FT-M1190	LFB2250FT-M1190
1275	50.20	NGE2250FT-M1275	LFG2250FT-M1275	LFB2250FT-M1275
1360	53.54	NGE2250FT-M1360	LFG2250FT-M1360	LFB2250FT-M1360
1445	56.89	NGE2250FT-M1445	LFG2250FT-M1445	LFB2250FT-M1445
1530	60.24	NGE2250FT-M1530	LFG2250FT-M1530	LFB2250FT-M1530
1615	63.58	NGE2250FT-M1615	LFG2250FT-M1615	LFB2250FT-M1615
1700	66.93	NGE2250FT-M1700	LFG2250FT-M1700	LFB2250FT-M1700
1785	70.28	NGE2250FT-M1785	LFG2250FT-M1785	LFB2250FT-M1785
1870	73.62	NGE2250FT-M1870	LFG2250FT-M1870	LFB2250FT-M1870
1955	76.97	NGE2250FT-M1955	LFG2250FT-M1955	LFB2250FT-M1955
2040	80.31	NGE2250FT-M2040	LFG2250FT-M2040	LFB2250FT-M2040
2125	83.66	NGE2250FT-M2125	LFG2250FT-M2125	LFB2250FT-M2125

SYSTEM PLAST

SERIES 2250

25,4 MM (1") 2250 MODULAR BELTS – FLAT TOP VERSION WITH POSITIONERS, THICKNESS 8,7 MM (0.34 IN)

25,4 mm (1") 2250 MODULAR BELTS - THICKNESS: 8,7 mm (0.34 in)

FLAT TOP VERSION WITH POSITIONERS



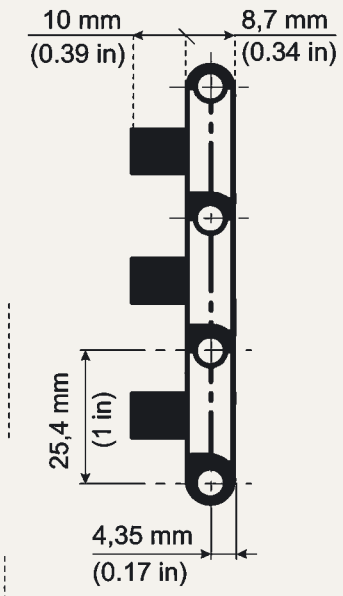
NG® EVO FLAT TOP BELT WITH POSITIONERS



2250FT-P – SINGLE POSITIONER: 63,6 MM (2.5 IN), 5 MM (0.2 IN)



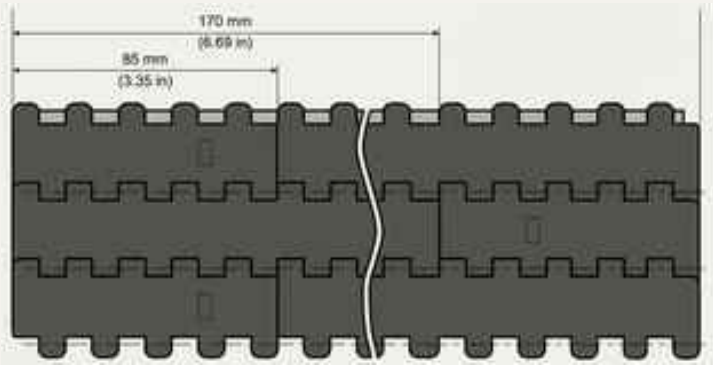
2250FT-P2 – TWO POSITIONERS: 63,6 MM (2.5 IN), 5 MM (0.2 IN)



BELT SECTION: 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2250 (CONT.)



BELT PLAN VIEW – WIDTH W, 170 MM (6.69 IN), 85 MM (3.35 IN)

Backflex radius: 25 mm (0.98 in)

Max load capacity: 22500 N/m (1530 lbs/ft.)

Weight: 7,4 Kg/m² (1.51 lbs/ft².)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

FG – Flush grid

VG – Rubber insert

RTC – Roller top



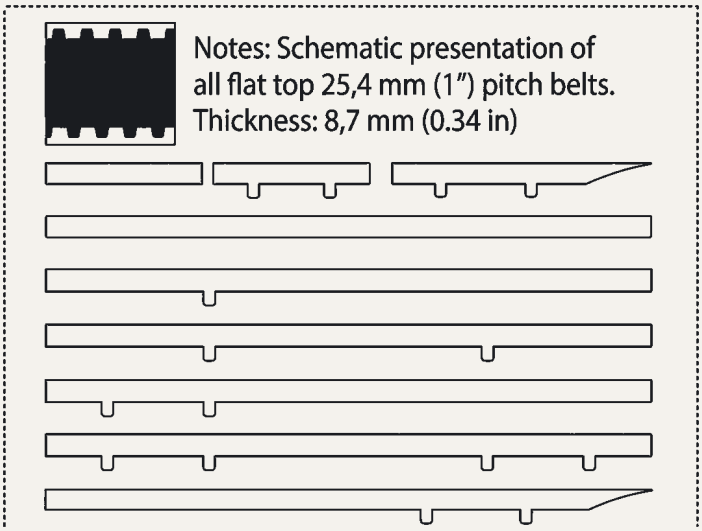
FG – FLUSH GRID



VG – RUBBER INSERT



RTC – ROLLER TOP



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL
NGE (GREY BLUE)
New Generation ®

SYSTEM PLAST

SERIES 2250 (CONT.)

FLAT TOP BELTS WITH POSITIONERS - WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION	ITEM DESCRIPTION
MM	IN		
85	3.35	NGE2250FT-P-M0085	Go to: 40335b
170	6.69	NGE2250FT-P-M0170	NGE2250FT-P2-M0170
255	10.04	NGE2250FT-P-M0255	NGE2250FT-P2-M0255
340	13.39	NGE2250FT-P-M0340	NGE2250FT-P2-M0340
425	16.73	NGE2250FT-P-M0425	NGE2250FT-P2-M0425
510	20.08	NGE2250FT-P-M0510	NGE2250FT-P2-M0510
595	23.43	NGE2250FT-P-M0595	NGE2250FT-P2-M0595
680	26.77	NGE2250FT-P-M0680	NGE2250FT-P2-M0680
765	30.12	NGE2250FT-P-M0765	NGE2250FT-P2-M0765
850	33.46	NGE2250FT-P-M0850	NGE2250FT-P2-M0850
935	36.81	NGE2250FT-P-M0935	NGE2250FT-P2-M0935
1020	40.16	NGE2250FT-P-M1020	NGE2250FT-P2-M1020
1105	43.50	NGE2250FT-P-M1105	NGE2250FT-P2-M1105
1190	46.85	NGE2250FT-P-M1190	NGE2250FT-P2-M1190
1275	50.20	NGE2250FT-P-M1275	NGE2250FT-P2-M1275
1360	53.54	NGE2250FT-P-M1360	NGE2250FT-P2-M1360
1445	56.89	NGE2250FT-P-M1445	NGE2250FT-P2-M1445
1530	60.24	NGE2250FT-P-M1530	NGE2250FT-P2-M1530
1615	63.58	NGE2250FT-P-M1615	NGE2250FT-P2-M1615
1700	66.93	NGE2250FT-P-M1700	NGE2250FT-P2-M1700
1785	70.28	NGE2250FT-P-M1785	NGE2250FT-P2-M1785
1870	73.62	NGE2250FT-P-M1870	NGE2250FT-P2-M1870

Other widths available on request.

SYSTEM PLAST

SERIES 2250

25,4 MM (1") 2250 MODULAR BELTS – FLAT TOP VERSION WITH TWIN POSITIONERS, THICKNESS 8,7 MM (0.34 IN)

25,4 mm (1") 2250 MODULAR BELTS - THICKNESS: 8,7 mm (0.34 in)

FLAT TOP VERSION WITH TWIN POSITIONERS



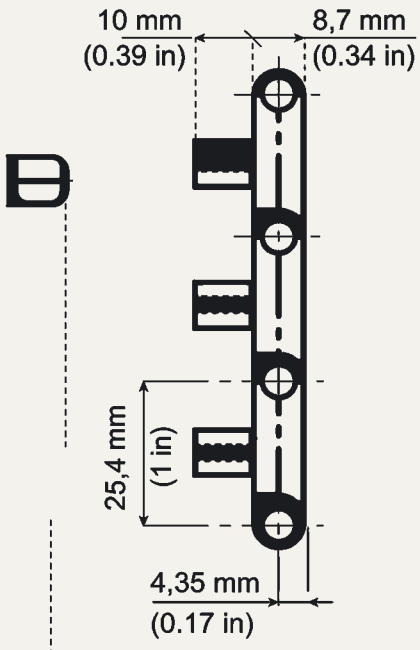
LFG FLAT TOP BELT WITH TWIN POSITIONERS



2250FT-PT2 – 21,5 MM (0.85 IN), 42,1 MM (1.66 IN), 63,6 MM (2.5 IN), 5 MM (0.2 IN)



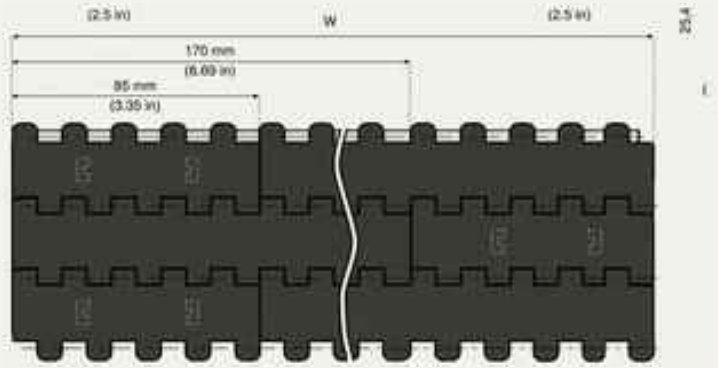
2250FT-PT – 21,5 MM (0.85 IN), 42,1 MM (1.66 IN), 63,6 MM (2.5 IN), 5 MM (0.2 IN)



BELT SECTION: 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2250 (CONT.)



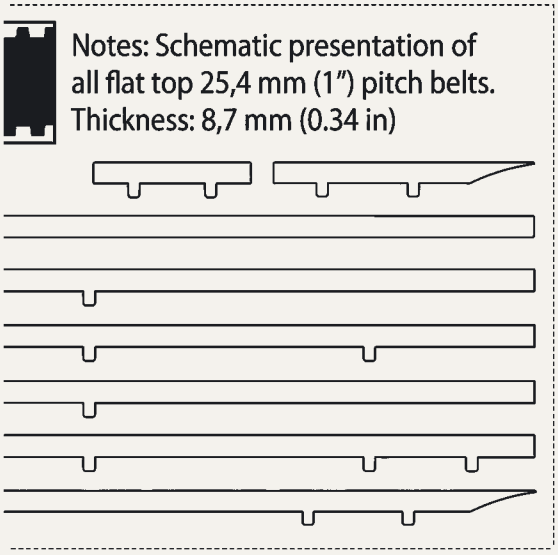
BELT PLAN VIEW – WIDTH W, 170 MM (6.69 IN), 85 MM (3.35 IN)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

FG – Flush grid

VG – Rubber insert

RTC – Roller top



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



FG – FLUSH GRID



VG – RUBBER INSERT



RTC – ROLLER TOP

Backflex radius: 25 mm (0.98 in)

Max load capacity (LFG): 25000 N/m (1700 lbs/ft.)

Weight: 7,4 Kg/m² (1.51 lbs/ft².)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

SYSTEM PLAST

SERIES 2250 (CONT.)

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIALS

NGE (GREY BLUE)	LFG (GREY)
New Generation ®	Low friction acetal resin

FLAT TOP BELTS WITH TWIN POSITIONERS - WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2250FT-PT-M0085	LFG2250FT-PT-M0085		
170	6.69	NGE2250FT-PT-M0170	LFG2250FT-PT-M0170		
255	10.04	NGE2250FT-PT-M0255	LFG2250FT-PT-M0255		
340	13.39	NGE2250FT-PT-M0340	LFG2250FT-PT-M0340		
425	16.73	NGE2250FT-PT-M0425	LFG2250FT-PT-M0425		
510	20.08	NGE2250FT-PT-M0510	LFG2250FT-PT-M0510		
595	23.43	NGE2250FT-PT-M0595	LFG2250FT-PT-M0595		
680	26.77	NGE2250FT-PT-M0680	LFG2250FT-PT-M0680		
765	30.12	NGE2250FT-PT-M0765	LFG2250FT-PT-M0765		
850	33.46	NGE2250FT-PT-M0850	LFG2250FT-PT-M0850		
935	36.81	NGE2250FT-PT-M0935	LFG2250FT-PT-M0935		
1020	40.16	NGE2250FT-PT-M1020	LFG2250FT-PT-M1020		
1105	43.50	NGE2250FT-PT-M1105	LFG2250FT-PT-M1105		
1190	46.85	NGE2250FT-PT-M1190	LFG2250FT-PT-M1190		
1275	50.20	NGE2250FT-PT-M1275	LFG2250FT-PT-M1275		
1360	53.54	NGE2250FT-PT-M1360	LFG2250FT-PT-M1360		
1445	56.89	NGE2250FT-PT-M1445	LFG2250FT-PT-M1445		
1530	60.24	NGE2250FT-PT-M1530	LFG2250FT-PT-M1530		
1615	63.58	NGE2250FT-PT-M1615	LFG2250FT-PT-M1615		
1700	66.93	NGE2250FT-PT-M1700	LFG2250FT-PT-M1700		
1785	70.28	NGE2250FT-PT-M1785	LFG2250FT-PT-M1785		
1870	73.62	NGE2250FT-PT-M1870	LFG2250FT-PT-M1870		

Other widths available on request.
The second ITEM DESCRIPTION group is left blank on the legacy page.

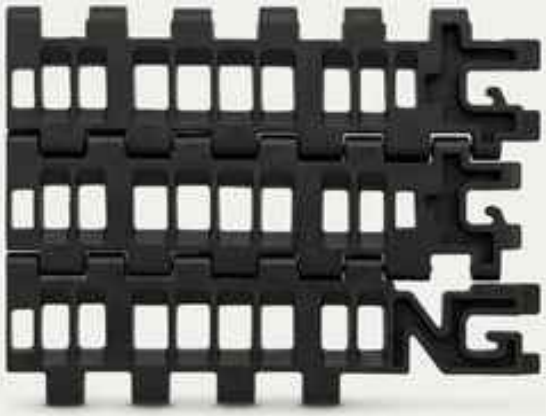
SYSTEM PLAST

SERIES 2250

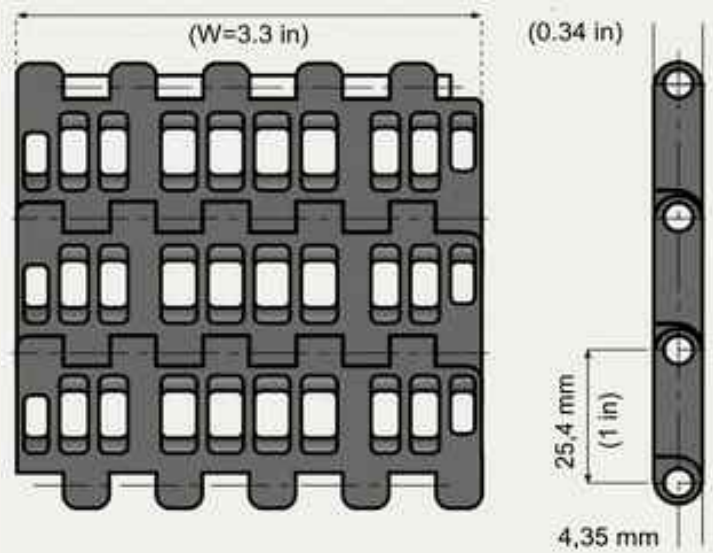
25,4 MM (1") 2250 MODULAR BELTS – SINGLE TRACK FLUSH GRID, THICKNESS 8,7 MM (0.34 IN)

25,4 mm (1") 2250 MODULAR BELTS - THICKNESS: 8,7 mm (0.34 in)

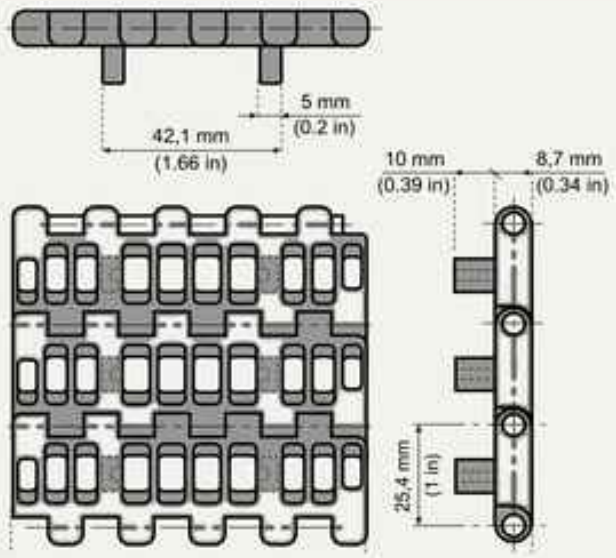
SINGLE TRACK FLUSH GRID



NG® EVO SINGLE TRACK FLUSH GRID BELT



2250FG-K330 – W=83,8 MM (W=3.3 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)



2250FG-PT-K330 – W=83,8 MM (3.3 IN), 42,1 MM (1.66 IN), 5 MM (0.2 IN), 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Pin material: PBT (white)

Open surface: 23%

SINGLE TRACK FLUSH GRID BELTS

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2250FG-K330	NGE Grey Blue	83,8	3.3	25,4	1	25	0.98	1890	425	0,5	0.34
NGE2250FG-PT-K330											

Standard length: 120 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2250 (CONT.)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

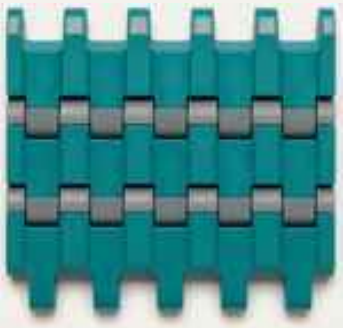
FT – Flat top

VG – Rubber insert

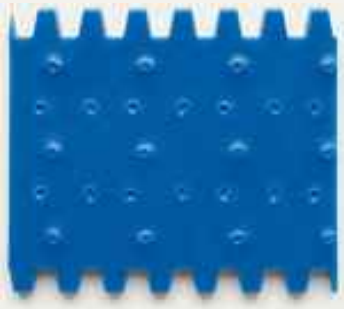
RTC – Roller top



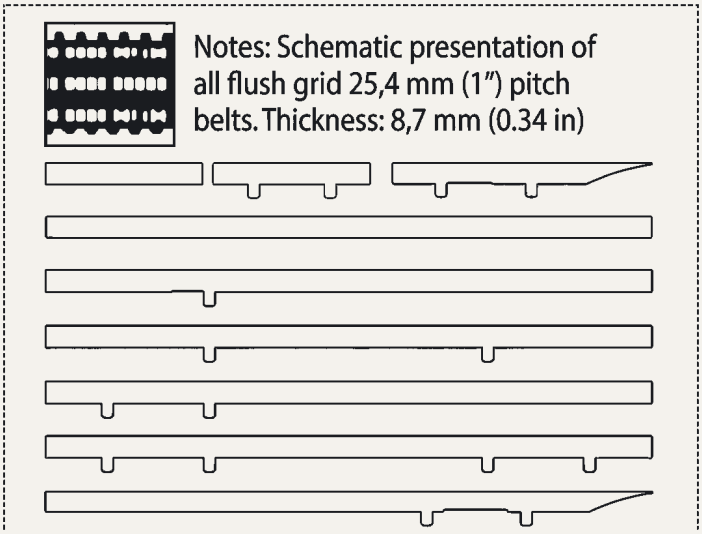
FT – FLAT TOP



VG – RUBBER INSERT



RTC – ROLLER TOP



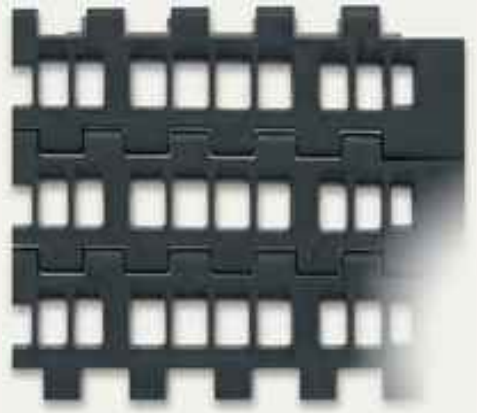
NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

STANDARD MATERIAL
NGE (GREY BLUE)
New Generation ®

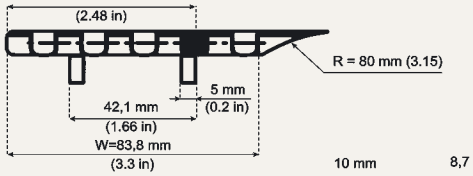
SYSTEM PLAST

SERIES 2250

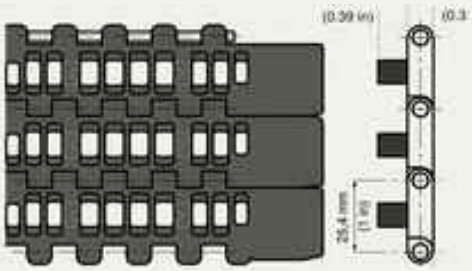
25,4 MM (1”) 2250 MODULAR BELTS – FLUSH GRID VERSION, THICKNESS 8,7 MM (0.34 IN)



NG® EVO 2250 FLUSH GRID BELT – SINGLE TRACK



SINGLE TRACK – SIDE VIEW: 63 MM (2.48 IN), 42,1 MM (1.66 IN), 5 MM (0.2 IN), W = 83,8 MM (3.3 IN), R = 80 MM (3.15)



SINGLE TRACK – TOP VIEW 109 MM (4.29 IN) AND END VIEW: 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Open surface: 23%

STANDARD MATERIAL

NGE (GREY BLUE)

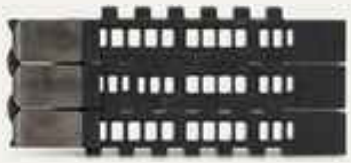
New Generation ®

SINGLE TRACK - 25,4 MM (1”) FLUSH GRID

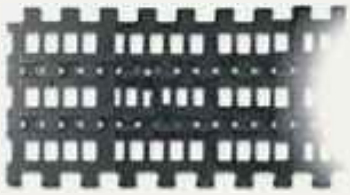
ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH P		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2250FG-PT-K330T	NGE Grey Blue	83,8	3.3	25,4	1	30	1.18	1890	425	0,7	0.47

Standard length: 120 pitches (3,048 m - 10 ft)

WIDER VERSIONS



WIDER VERSION FLUSH GRID BELT



NG® EVO WIDER VERSION FLUSH GRID BELT



WIDER VERSION – SIDE VIEW: WIDTH W, 42,1 MM (1.66 IN), 21,5 MM (0.85 IN), 5 MM (0.5 IN), R = 80 MM (3.15 IN)



WIDER VERSION – TOP VIEW WT = W + 24,6 MM (WT = W + 0.97 IN) AND END VIEW: 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2250 (CONT.)

Backflex radius: 30 mm (1.18)

Max load capacity: 22500 N/m (1530 lbs/ft.)

Weight: 7,5 Kg/m² (1.53 lbs/ft².)

Pin material: PBT (white)

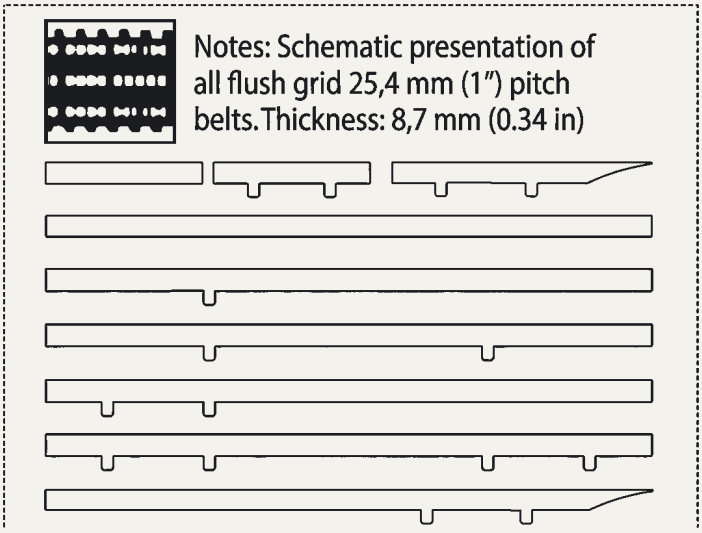
Open surface: 23%

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request



NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:



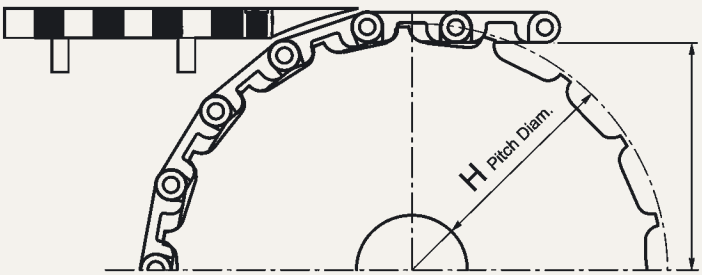
FT – FLAT TOP



VG – RUBBER INSERT



RTC – ROLLER TOP



EXAMPLE INSTALLATION – H PITCH DIAM.

WIDER VERSIONS - ITEM DESCRIPTIONS

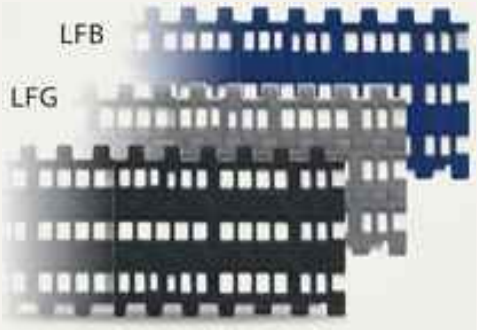
WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2250FG-PT-M0085T
170	6.69	NGE2250FG-PT-M0170T
255	10.04	NGE2250FG-PT-M0255T
340	13.39	NGE2250FG-PT-M0340T
425	16.73	NGE2250FG-PT-M0425T
510	20.08	NGE2250FG-PT-M0510T

Other widths available on request.

SYSTEM PLAST

SERIES 2250

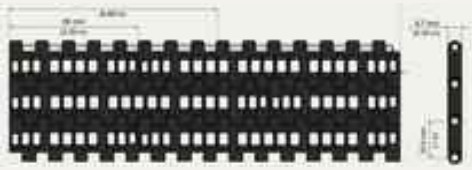
25,4 MM (1") 2250 MODULAR BELTS – FLUSH GRID VERSION, THICKNESS 8,7 MM (0.34 IN)



LFB AND LFG FLUSH GRID BELTS



NG® EVO FLUSH GRID BELT



FLUSH GRID BELT – TOP VIEW WITH WIDTH W, 170 MM (6.69 IN), 85 MM (3.35 IN); END VIEW 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



BELTS WITH FLIGHTS

Information about this product is only available on our Smart Guide ® website.

Backflex radius: 25 mm (0.98 in)

Max load capacity (LFG & LFB): 25000 N/m (1700 lbs/ft.)

Weight: 7,4 Kg/m² (1.48 lbs/ft².)

Pin material: PBT (white)

Open surface: 23%

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

STANDARD MATERIALS

NGE (GREY BLUE)	LFG (GREY) / LFB (BLUE)
New Generation ®	Low friction acetal resin

FLUSH GRID BELTS - ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION		
MM	IN	NGE (GREY BLUE)	LFG (GREY)	LFB (BLUE)
85	3.35	NGE2250FG-M0085	LFG2250FG-M0085	LFB2250FG-M0085
170	6.69	NGE2250FG-M0170	LFG2250FG-M0170	LFB2250FG-M0170
255	10.04	NGE2250FG-M0255	LFG2250FG-M0255	LFB2250FG-M0255
340	13.39	NGE2250FG-M0340	LFG2250FG-M0340	LFB2250FG-M0340
425	16.73	NGE2250FG-M0425	LFG2250FG-M0425	LFB2250FG-M0425
510	20.08	NGE2250FG-M0510	LFG2250FG-M0510	LFB2250FG-M0510

Other widths available on request.

SYSTEM PLAST

SERIES 2250 (CONT.)

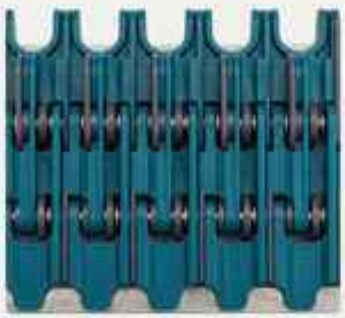
FLUSH GRID BELTS - ITEM DESCRIPTIONS (CONT.)

WIDTH W		ITEM DESCRIPTION		
MM	IN	NGE (GREY BLUE)	LFG (GREY)	LFB (BLUE)
595	23.43	NGE2250FG-M0595	LFG2250FG-M0595	LFB2250FG-M0595
680	26.77	NGE2250FG-M0680	LFG2250FG-M0680	LFB2250FG-M0680
765	30.12	NGE2250FG-M0765	LFG2250FG-M0765	LFB2250FG-M0765
850	33.46	NGE2250FG-M0850	LFG2250FG-M0850	LFB2250FG-M0850
935	36.81	NGE2250FG-M0935	LFG2250FG-M0935	LFB2250FG-M0935
1020	40.16	NGE2250FG-M1020	LFG2250FG-M1020	LFB2250FG-M1020
1105	43.50	NGE2250FG-M1105	LFG2250FG-M1105	LFB2250FG-M1105
1190	46.85	NGE2250FG-M1190	LFG2250FG-M1190	LFB2250FG-M1190
1275	50.20	NGE2250FG-M1275	LFG2250FG-M1275	LFB2250FG-M1275
1360	53.54	NGE2250FG-M1360	LFG2250FG-M1360	LFB2250FG-M1360
1445	56.89	NGE2250FG-M1445	LFG2250FG-M1445	LFB2250FG-M1445
1530	60.24	NGE2250FG-M1530	LFG2250FG-M1530	LFB2250FG-M1530
1615	63.58	NGE2250FG-M1615	LFG2250FG-M1615	LFB2250FG-M1615
1700	66.93	NGE2250FG-M1700	LFG2250FG-M1700	LFB2250FG-M1700
1785	70.28	NGE2250FG-M1785	LFG2250FG-M1785	LFB2250FG-M1785
1870	73.62	NGE2250FG-M1870	LFG2250FG-M1870	LFB2250FG-M1870
1955	76.97	NGE2250FG-M1955	LFG2250FG-M1955	LFB2250FG-M1955
2040	80.31	NGE2250FG-M2040	LFG2250FG-M2040	LFB2250FG-M2040
2125	83.66	NGE2250FG-M2125	LFG2250FG-M2125	LFB2250FG-M2125
2210	87.01	NGE2250FG-M2210	LFG2250FG-M2210	LFB2250FG-M2210
2295	90.35	NGE2250FG-M2295	LFG2250FG-M2295	LFB2250FG-M2295

OTHER VERSIONS FOR 25,4 MM (1") BELTS:



FT – FLAT TOP



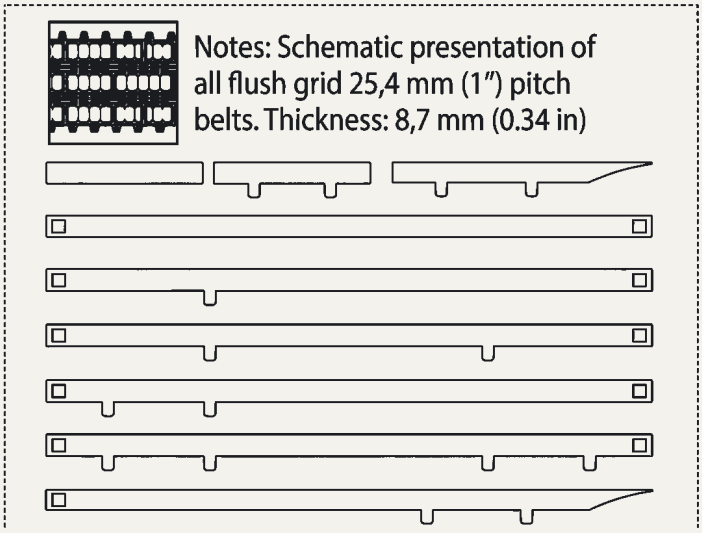
VG – RUBBER INSERT



RTC – ROLLER TOP

SYSTEM PLAST

SERIES 2250 (CONT.)

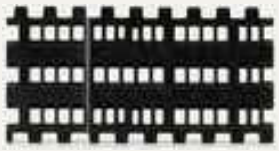


NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

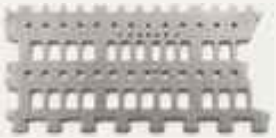
SYSTEM PLAST

SERIES 2250

25,4 MM (1”) 2250 MODULAR BELTS – FLUSH GRID VERSION WITH POSITIONERS, THICKNESS 8,7 MM (0.34 IN)



2250 FLUSH GRID BELT WITH POSITIONERS



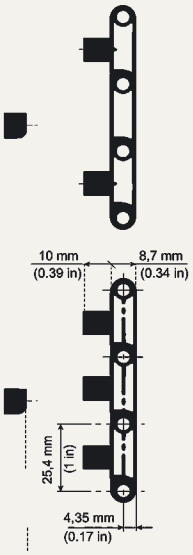
NG® EVO FLUSH GRID BELT WITH POSITIONERS



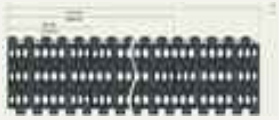
2250FG-P – SIDE VIEW: 63,6 MM (2.5 IN), 5 MM (0.2 IN)



2250FG-P2 – SIDE VIEW: 63,6 MM (2.5 IN), 5 MM (0.2 IN) AT EACH POSITIONER



END VIEWS: 10 MM (0.39 IN), 8,7 MM (0.34 IN), 25,4 MM (1 IN), 4,35 MM (0.17 IN)



TOP VIEW – WIDTH W, 170 MM (6.69 IN), 85 MM (3.35 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 25 mm (0.98 in)

Max load capacity: 22500 N/m (1530 lbs/ft.)

Weight: 7,4 Kg/m² (1.48 lbs/ft².)

Pin material: PBT (white)

Open surface: 23%

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request



2250FG-P BELT PROFILE (ONE POSITIONER)



2250FG-P2 BELT PROFILE (TWO POSITIONERS)

SYSTEM PLAST

SERIES 2250 (CONT.)

FLUSH GRID WITH POSITIONERS - ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION	ITEM DESCRIPTION
MM	IN		
85	3.35	NGE2250FG-P-M0085	-
170	6.69	NGE2250FG-P-M0170	NGE2250FG-P2-M0170
255	10.04	NGE2250FG-P-M0255	NGE2250FG-P2-M0255
340	13.39	NGE2250FG-P-M0340	NGE2250FG-P2-M0340
425	16.73	NGE2250FG-P-M0425	NGE2250FG-P2-M0425
510	20.08	NGE2250FG-P-M0510	NGE2250FG-P2-M0510
595	23.43	NGE2250FG-P-M0595	NGE2250FG-P2-M0595
680	26.77	NGE2250FG-P-M0680	NGE2250FG-P2-M0680
765	30.12	NGE2250FG-P-M0765	NGE2250FG-P2-M0765
850	33.46	NGE2250FG-P-M0850	NGE2250FG-P2-M0850
935	36.81	NGE2250FG-P-M0935	NGE2250FG-P2-M0935
1020	40.16	NGE2250FG-P-M1020	NGE2250FG-P2-M1020
1105	43.50	NGE2250FG-P-M1105	NGE2250FG-P2-M1105
1190	46.85	NGE2250FG-P-M1190	NGE2250FG-P2-M1190
1275	50.20	NGE2250FG-P-M1275	NGE2250FG-P2-M1275
1360	53.54	NGE2250FG-P-M1360	NGE2250FG-P2-M1360
1445	56.89	NGE2250FG-P-M1445	NGE2250FG-P2-M1445
1530	60.24	NGE2250FG-P-M1530	NGE2250FG-P2-M1530
1615	63.58	NGE2250FG-P-M1615	NGE2250FG-P2-M1615
1700	66.93	NGE2250FG-P-M1700	NGE2250FG-P2-M1700
1785	70.28	NGE2250FG-P-M1785	NGE2250FG-P2-M1785
1870	73.62	NGE2250FG-P-M1870	NGE2250FG-P2-M1870

Other widths available on request.

OTHER VERSIONS FOR 25,4 MM (1") BELTS:



FT – FLAT TOP



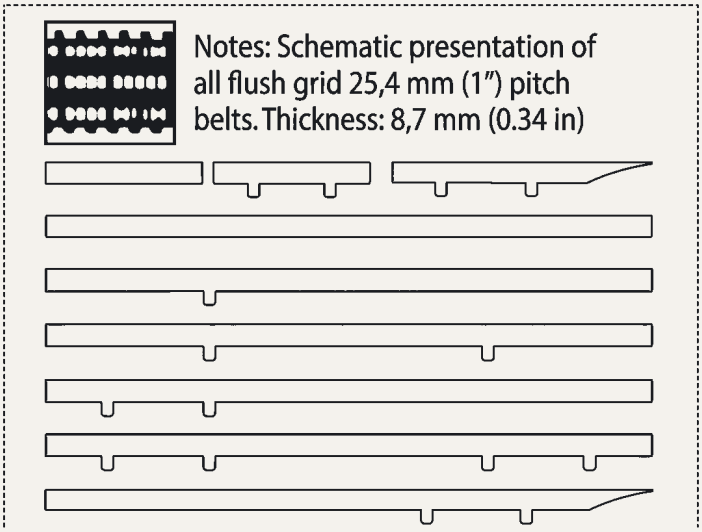
VG – RUBBER INSERT



RTC – ROLLER TOP

SYSTEM PLAST

SERIES 2250 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLUSH GRID 25,4 MM (1") PITCH BELTS. THICKNESS: 8,7 MM (0.34 IN)

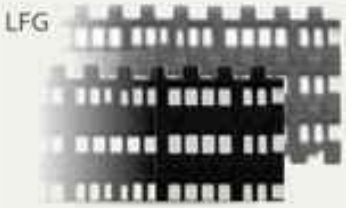
STANDARD MATERIAL
NGE (GREY BLUE)
New Generation ®

Information about this product is only available on our Smart Guide ® website.

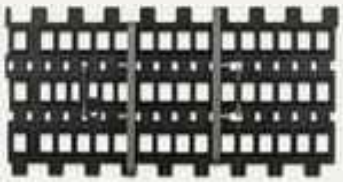
SYSTEM PLAST

SERIES 2250

25,4 MM (1 IN) BELTS, THICKNESS 8,7 MM (0.34 IN) – FLUSH GRID VERSION WITH TWIN POSITIONERS



LFG (GREY)



NGE – NEW GENERATION EVO

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 25 mm (0.98 in)

Max load capacity (LFG): 25000 N/m (1700 lbs/ft.)

Weight: 7,4 Kg/m² (1.48 lbs/ft².)

Pin material: PBT (white)

Open surface: 23%

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

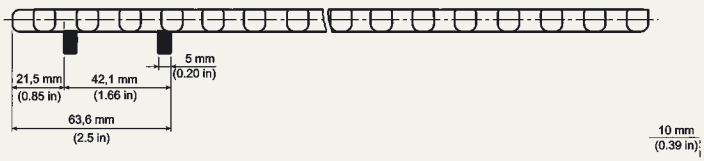
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIALS

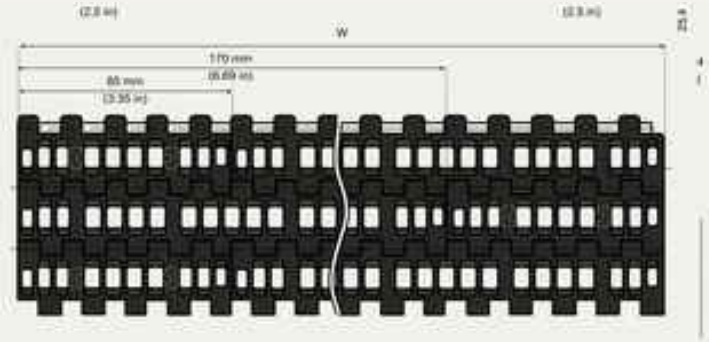
MATERIAL	DESCRIPTION
NGE (GREY BLUE)	New Generation ®
LFG (GREY)	Low friction acetal resin



2250FG-PT – 21,5 MM (0.85 IN), 42,1 MM (1.66 IN), 63,6 MM (2.5 IN), POSITIONER 5 MM (0.20 IN)



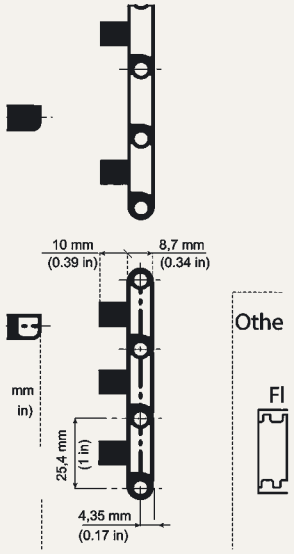
2250FG-PT2 – 21,5 MM (0.85 IN), 42,1 MM (1.66 IN), 63,6 MM (2.5 IN), POSITIONERS 5 MM (0.2 IN)



TOP VIEW – WIDTH W, 85 MM (3.35 IN) AND 170 MM (6.69 IN) MODULE WIDTHS

SYSTEM PLAST

SERIES 2250 (CONT.)



SECTION – 10 MM (0.39 IN), 8,7 MM (0.34 IN), PITCH 25,4 MM (1 IN), 4,35 MM (0.17 IN)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

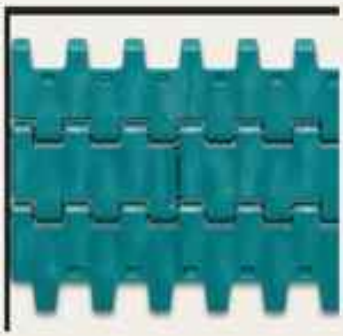
FT – Flat top

VG – Rubber insert

RTC – Roller top



FT FLAT TOP



VG RUBBER INSERT



FLUSH GRID BELT

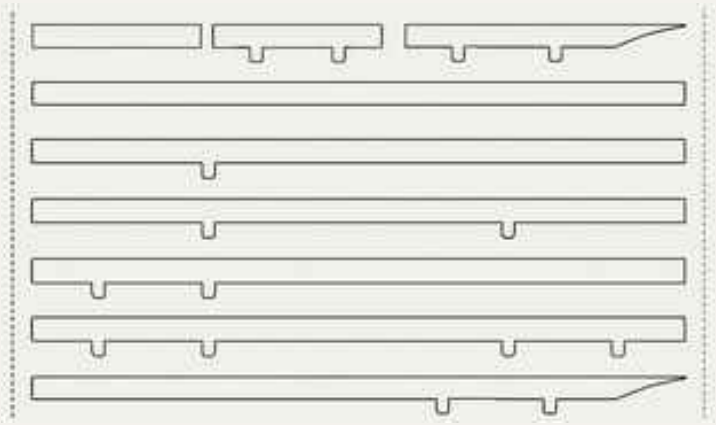


RTC ROLLER TOP

Notes: Schematic presentation of all flush grid 25,4 mm (1") pitch belts.
Thickness: 8,7 mm (0.34 in)

SYSTEM PLAST

SERIES 2250 (CONT.)



SCHEMATIC PRESENTATION OF THE FLUSH GRID 25,4 MM (1") PITCH BELT VERSIONS

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION – 2250FG-PT		ITEM DESCRIPTION – 2250FG-PT2	
MM	IN	NGE (GREY BLUE)	LFG (GREY)	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2250FG-PT-M0085	LFG2250FG-PT-M0085	-	-
170	6.69	NGE2250FG-PT-M0170	LFG2250FG-PT-M0170	NGE2250FG-PT2-M0170	LFG2250FG-PT2-M0170
255	10.04	NGE2250FG-PT-M0255	LFG2250FG-PT-M0255	NGE2250FG-PT2-M0255	LFG2250FG-PT2-M0255
340	13.39	NGE2250FG-PT-M0340	LFG2250FG-PT-M0340	NGE2250FG-PT2-M0340	LFG2250FG-PT2-M0340
425	16.73	NGE2250FG-PT-M0425	LFG2250FG-PT-M0425	NGE2250FG-PT2-M0425	LFG2250FG-PT2-M0425
510	20.08	NGE2250FG-PT-M0510	LFG2250FG-PT-M0510	NGE2250FG-PT2-M0510	LFG2250FG-PT2-M0510
595	23.43	NGE2250FG-PT-M0595	LFG2250FG-PT-M0595	NGE2250FG-PT2-M0595	LFG2250FG-PT2-M0595
680	26.77	NGE2250FG-PT-M0680	LFG2250FG-PT-M0680	NGE2250FG-PT2-M0680	LFG2250FG-PT2-M0680
765	30.12	NGE2250FG-PT-M0765	LFG2250FG-PT-M0765	NGE2250FG-PT2-M0765	LFG2250FG-PT2-M0765
850	33.46	NGE2250FG-PT-M0850	LFG2250FG-PT-M0850	NGE2250FG-PT2-M0850	LFG2250FG-PT2-M0850
935	36.81	NGE2250FG-PT-M0935	LFG2250FG-PT-M0935	NGE2250FG-PT2-M0935	LFG2250FG-PT2-M0935
1020	40.16	NGE2250FG-PT-M1020	LFG2250FG-PT-M1020	NGE2250FG-PT2-M1020	LFG2250FG-PT2-M1020
1105	43.50	NGE2250FG-PT-M1105	LFG2250FG-PT-M1105	NGE2250FG-PT2-M1105	LFG2250FG-PT2-M1105
1190	46.85	NGE2250FG-PT-M1190	LFG2250FG-PT-M1190	NGE2250FG-PT2-M1190	LFG2250FG-PT2-M1190
1275	50.20	NGE2250FG-PT-M1275	LFG2250FG-PT-M1275	NGE2250FG-PT2-M1275	LFG2250FG-PT2-M1275
1360	53.54	NGE2250FG-PT-M1360	LFG2250FG-PT-M1360	NGE2250FG-PT2-M1360	LFG2250FG-PT2-M1360
1445	56.89	NGE2250FG-PT-M1445	LFG2250FG-PT-M1445	NGE2250FG-PT2-M1445	LFG2250FG-PT2-M1445
1530	60.24	NGE2250FG-PT-M1530	LFG2250FG-PT-M1530	NGE2250FG-PT2-M1530	LFG2250FG-PT2-M1530
1615	63.58	NGE2250FG-PT-M1615	LFG2250FG-PT-M1615	NGE2250FG-PT2-M1615	LFG2250FG-PT2-M1615
1700	66.93	NGE2250FG-PT-M1700	LFG2250FG-PT-M1700	NGE2250FG-PT2-M1700	LFG2250FG-PT2-M1700
1785	70.28	NGE2250FG-PT-M1785	LFG2250FG-PT-M1785	NGE2250FG-PT2-M1785	LFG2250FG-PT2-M1785
1870	73.62	NGE2250FG-PT-M1870	LFG2250FG-PT-M1870	NGE2250FG-PT2-M1870	LFG2250FG-PT2-M1870

Other widths available on request.

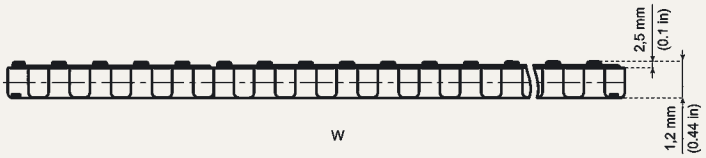
SYSTEM PLAST

SERIES 2250

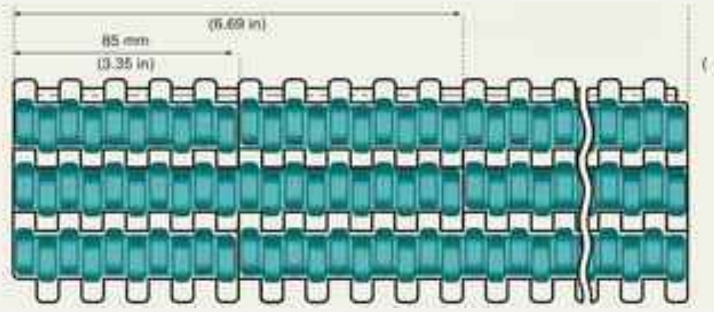
25,4 MM (1 IN) BELTS, THICKNESS 8,7 MM (0.34 IN) – RUBBER INSERT EVERY PITCH



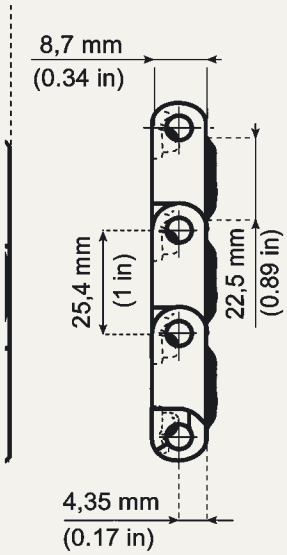
VG 2250 BELT WITH RUBBER INSERT



SIDE VIEW – 2,5 MM (0.1 IN) RUBBER INSERT HEIGHT, 11,2 MM (0.44 IN) OVERALL



TOP VIEW – WIDTH W, 85 MM (3.35 IN) AND 170 MM (6.69 IN) MODULE WIDTHS



SECTION – 8,7 MM (0.34 IN) THICKNESS, PITCH 25,4 MM (1 IN), 22,5 MM (0.89 IN), 4,35 MM (0.17 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Backflex radius: 30 mm (1.18 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

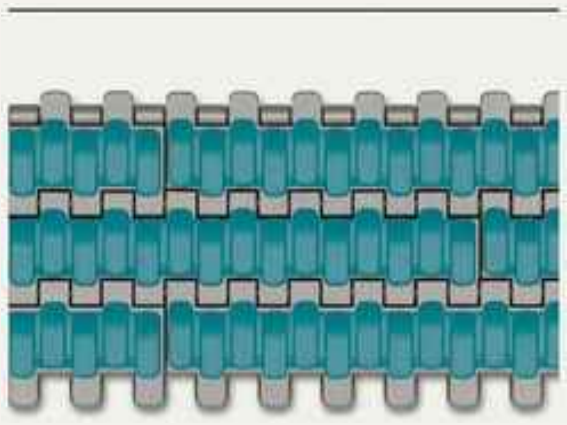
Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

SYSTEM PLAST

SERIES 2250 (CONT.)



VG 2250 – INSERT EVERY PITCH

VG 2250 – Insert every pitch

Weight: 8,7 Kg/m² (1.77 lbs/ft².)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

FT – Flat top

FG – Flush grid

RTC – Roller top



FT FLAT TOP



FG FLUSH GRID



RTC ROLLER TOP

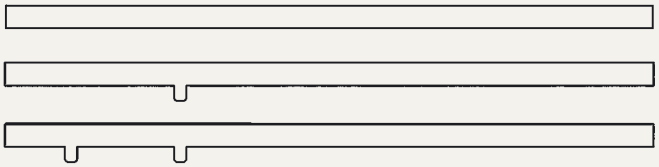
Notes: Schematic presentation of all VG rubber insert 25,4 mm (1") pitch belts.
Thickness: 8,7 mm (0.34 in)



VG RUBBER INSERT BELT

SYSTEM PLAST

SERIES 2250 (CONT.)



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 25,4 MM (1”) PITCH BELT VERSIONS

VG 2250 - INSERT EVERY PITCH

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	LFG2250FT-M0085VG
170	6.69	LFG2250FT-M0170VG
255	10.04	LFG2250FT-M0255VG
340	13.39	LFG2250FT-M0340VG
425	16.73	LFG2250FT-M0425VG
510	20.08	LFG2250FT-M0510VG
595	23.43	LFG2250FT-M0595VG
680	26.77	LFG2250FT-M0680VG
765	30.12	LFG2250FT-M0765VG
850	33.46	LFG2250FT-M0850VG
935	36.81	LFG2250FT-M0935VG
1020	40.16	LFG2250FT-M1020VG
1105	43.50	LFG2250FT-M1105VG
1190	46.85	LFG2250FT-M1190VG
1275	50.20	LFG2250FT-M1275VG
1360	53.54	LFG2250FT-M1360VG
1445	56.89	LFG2250FT-M1445VG
1530	60.24	LFG2250FT-M1530VG
1615	63.58	LFG2250FT-M1615VG
1700	66.93	LFG2250FT-M1700VG
1785	70.28	LFG2250FT-M1785VG
1870	73.62	LFG2250FT-M1870VG
1955	76.97	LFG2250FT-M1955VG
2040	80.31	LFG2250FT-M2040VG

Other widths available on request.

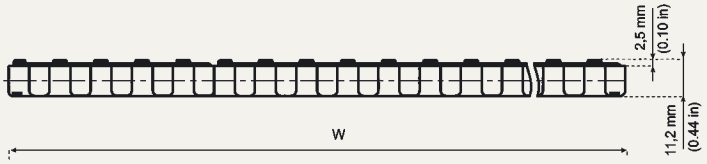
SYSTEM PLAST

SERIES 2250

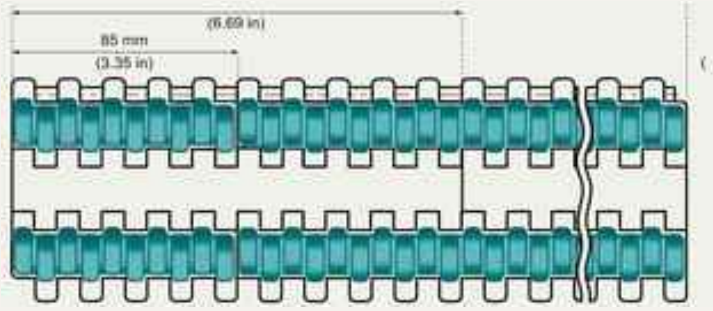
25,4 MM (1 IN) BELTS, THICKNESS 8,7 MM (0.34 IN) – RUBBER INSERT EVERY 2ND & 3TH PITCH



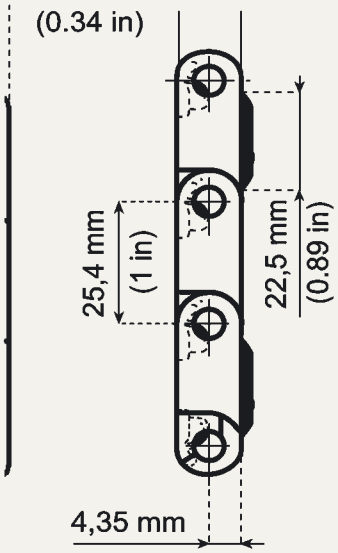
VG2 / VG3 2250 BELT WITH RUBBER INSERT



SIDE VIEW – 2,5 MM (0.10 IN) RUBBER INSERT HEIGHT, 11,2 MM (0.44 IN) OVERALL



TOP VIEW – WIDTH W, 85 MM (3.35 IN) AND 170 MM (6.69 IN) MODULE WIDTHS



SECTION – 8,7 MM (0.34 IN) THICKNESS, PITCH 25,4 MM (1 IN), 22,5 MM (0.89 IN), 4,35 MM (0.17 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Backflex radius: 30 mm (1.18 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

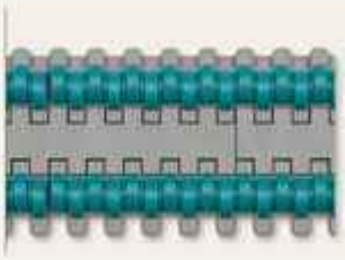
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

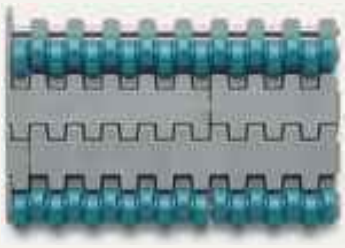
width > 1700 mm (66.93 in): on request

VG2 2250 – Insert every 2nd pitch. Weight: 8,1 Kg/m² (1.66 lbs/ft².)

VG3 2250 – Insert every 3th pitch. Weight: 7,8 Kg/m² (1.59 lbs/ft².)



VG2 2250 – INSERT EVERY 2ND PITCH



VG3 2250 – INSERT EVERY 3TH PITCH

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

FT – Flat top

FG – Flush grid

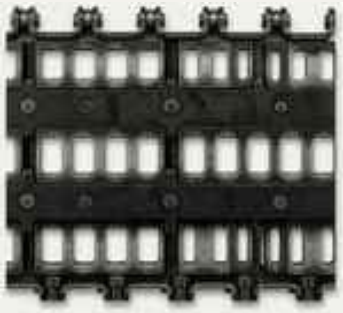
RTC – Roller top

SYSTEM PLAST

SERIES 2250 (CONT.)



FT FLAT TOP



FG FLUSH GRID



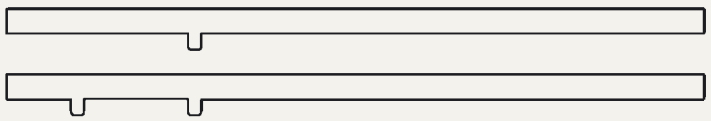
RTC ROLLER TOP

Information about this product is only available on our Smart Guide ® website.



VG RUBBER INSERT BELT

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1") pitch belts.
Thickness: 8,7 mm (0.34 in)



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 25,4 MM (1") PITCH BELT VERSIONS

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

SYSTEM PLAST

SERIES 2250 (CONT.)

BELT WIDTHS AND ITEM DESCRIPTIONS

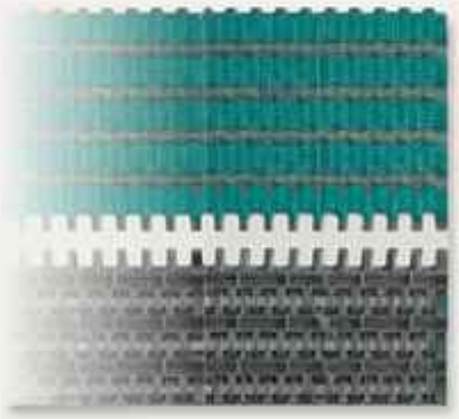
WIDTH W		ITEM DESCRIPTION – VG2 2250 (INSERT EVERY 2ND PITCH)	ITEM DESCRIPTION – VG3 2250 (INSERT EVERY 3TH PITCH)
MM	IN		
85	3.35	LFG2250FT-M0085VG-2	LFG2250FT-M0085VG-3
170	6.69	LFG2250FT-M0170VG-2	LFG2250FT-M0170VG-3
255	10.04	LFG2250FT-M0255VG-2	LFG2250FT-M0255VG-3
340	13.39	LFG2250FT-M0340VG-2	LFG2250FT-M0340VG-3
425	16.73	LFG2250FT-M0425VG-2	LFG2250FT-M0425VG-3
510	20.08	LFG2250FT-M0510VG-2	LFG2250FT-M0510VG-3
595	23.43	LFG2250FT-M0595VG-2	LFG2250FT-M0595VG-3
680	26.77	LFG2250FT-M0680VG-2	LFG2250FT-M0680VG-3
765	30.12	LFG2250FT-M0765VG-2	LFG2250FT-M0765VG-3
850	33.46	LFG2250FT-M0850VG-2	LFG2250FT-M0850VG-3
935	36.81	LFG2250FT-M0935VG-2	LFG2250FT-M0935VG-3
1020	40.16	LFG2250FT-M1020VG-2	LFG2250FT-M1020VG-3
1105	43.50	LFG2250FT-M1105VG-2	LFG2250FT-M1105VG-3
1190	46.85	LFG2250FT-M1190VG-2	LFG2250FT-M1190VG-3
1275	50.20	LFG2250FT-M1275VG-2	LFG2250FT-M1275VG-3
1360	53.54	LFG2250FT-M1360VG-2	LFG2250FT-M1360VG-3
1445	56.89	LFG2250FT-M1445VG-2	LFG2250FT-M1445VG-3
1530	60.24	LFG2250FT-M1530VG-2	LFG2250FT-M1530VG-3
1615	63.58	LFG2250FT-M1615VG-2	LFG2250FT-M1615VG-3
1700	66.93	LFG2250FT-M1700VG-2	LFG2250FT-M1700VG-3
1785	70.28	LFG2250FT-M1785VG-2	LFG2250FT-M1785VG-3
1870	73.62	LFG2250FT-M1870VG-2	LFG2250FT-M1870VG-3
1955	76.97	LFG2250FT-M1955VG-2	LFG2250FT-M1955VG-3
2040	80.31	LFG2250FT-M2040VG-2	LFG2250FT-M2040VG-3

Other widths available on request.

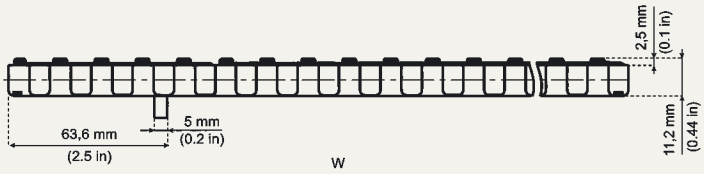
SYSTEM PLAST

SERIES 2250

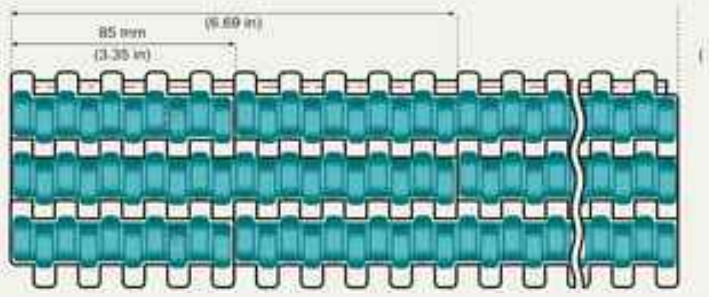
25,4 MM (1 IN) BELTS, THICKNESS 8,7 MM (0.34 IN) – VERSIONS WITH POSITIONERS / RUBBER INSERTS



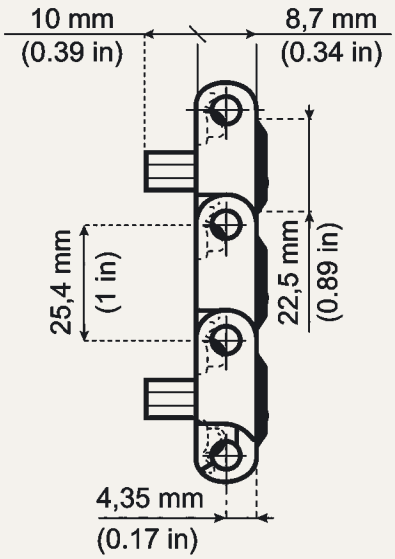
2250 BELT WITH POSITIONERS AND RUBBER INSERTS



SIDE VIEW – 63,6 MM (2.5 IN) POSITIONER SPACING, POSITIONER 5 MM (0.2 IN), 2,5 MM (0.1 IN) INSERT HEIGHT, 11,2 MM (0.44 IN) OVERALL



TOP VIEW – WIDTH W, 85 MM (3.35 IN) AND 170 MM (6.69 IN) MODULE WIDTHS



SECTION – 10 MM (0.39 IN), 8,7 MM (0.34 IN), PITCH 25,4 MM (1 IN), 22,5 MM (0.89 IN), 4,35 MM (0.17 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

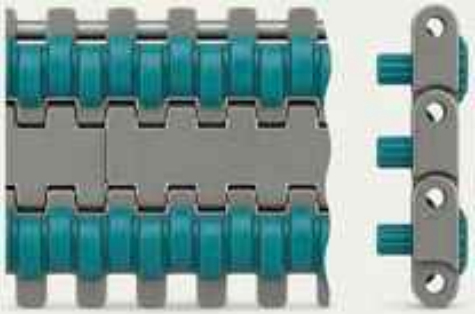
MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

SYSTEM PLAST

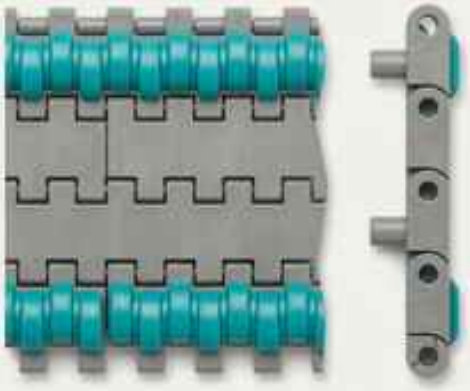
SERIES 2250 (CONT.)



VG 2250 P1 – INSERT EVERY PITCH



VG2 2250 P1 – INSERT EVERY 2ND PITCH



VG3 2250 P1 – INSERT EVERY 3TH PITCH

VG 2250 P1 – Insert every pitch. Weight: 8,7 Kg/m² (1.77 lbs/ft².)

VG2 2250 P1 – Insert every 2nd pitch. Weight: 8,1 Kg/m² (1.66 lbs/ft².)

VG3 2250 P1 – Insert every 3th pitch. Weight: 7,8 Kg/m² (1.59 lbs/ft².)

OTHER VERSIONS FOR 25,4 MM (1") BELTS:

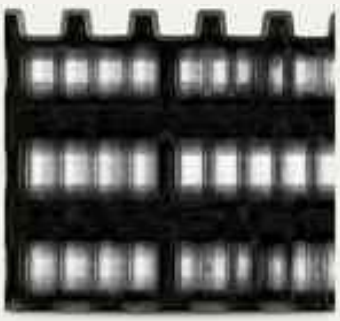
FT – Flat top

FG – Flush grid

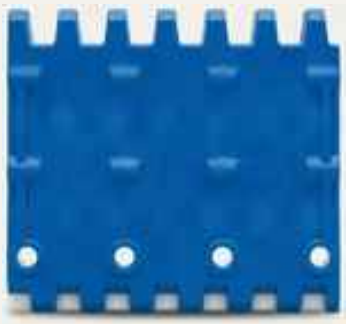
RTC – Roller top



FT FLAT TOP



FG FLUSH GRID



RTC ROLLER TOP



VG RUBBER INSERT BELT

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1") pitch belts.
Thickness: 8,7 mm (0.34 in)



SCHEMATIC PRESENTATION OF THE VG RUBBER INSERT 25,4 MM (1") PITCH BELT VERSIONS

SYSTEM PLAST

SERIES 2250 (CONT.)

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION – VG 2250 P1 (INSERT EVERY PITCH)	ITEM DESCRIPTION – VG2 2250 P1 (INSERT EVERY 2ND PITCH)	ITEM DESCRIPTION – VG3 2250 P1 (INSERT EVERY 3TH PITCH)
MM	IN			
85	3.35	LFG2250FT-P-M0085VG	LFG2250FT-P-M0085VG-2	LFG2250FT-P-M0085VG-3
170	6.69	LFG2250FT-P-M0170VG	LFG2250FT-P-M0170VG-2	LFG2250FT-P-M0170VG-3
255	10.04	LFG2250FT-P-M0255VG	LFG2250FT-P-M0255VG-2	LFG2250FT-P-M0255VG-3
340	13.39	LFG2250FT-P-M0340VG	LFG2250FT-P-M0340VG-2	LFG2250FT-P-M0340VG-3
425	16.73	LFG2250FT-P-M0425VG	LFG2250FT-P-M0425VG-2	LFG2250FT-P-M0425VG-3
510	20.08	LFG2250FT-P-M0510VG	LFG2250FT-P-M0510VG-2	LFG2250FT-P-M0510VG-3
595	23.43	LFG2250FT-P-M0595VG	LFG2250FT-P-M0595VG-2	LFG2250FT-P-M0595VG-3
680	26.77	LFG2250FT-P-M0680VG	LFG2250FT-P-M0680VG-2	LFG2250FT-P-M0680VG-3
765	30.12	LFG2250FT-P-M0765VG	LFG2250FT-P-M0765VG-2	LFG2250FT-P-M0765VG-3
850	33.46	LFG2250FT-P-M0850VG	LFG2250FT-P-M0850VG-2	LFG2250FT-P-M0850VG-3
935	36.81	LFG2250FT-P-M0935VG	LFG2250FT-P-M0935VG-2	LFG2250FT-P-M0935VG-3
1020	40.16	LFG2250FT-P-M1020VG	LFG2250FT-P-M1020VG-2	LFG2250FT-P-M1020VG-3
1105	43.50	LFG2250FT-P-M1105VG	LFG2250FT-P-M1105VG-2	LFG2250FT-P-M1105VG-3
1190	46.85	LFG2250FT-P-M1190VG	LFG2250FT-P-M1190VG-2	LFG2250FT-P-M1190VG-3
1275	50.20	LFG2250FT-P-M1275VG	LFG2250FT-P-M1275VG-2	LFG2250FT-P-M1275VG-3
1360	53.54	LFG2250FT-P-M1360VG	LFG2250FT-P-M1360VG-2	LFG2250FT-P-M1360VG-3
1445	56.89	LFG2250FT-P-M1445VG	LFG2250FT-P-M1445VG-2	LFG2250FT-P-M1445VG-3
1530	60.24	LFG2250FT-P-M1530VG	LFG2250FT-P-M1530VG-2	LFG2250FT-P-M1530VG-3
1615	63.58	LFG2250FT-P-M1615VG	LFG2250FT-P-M1615VG-2	LFG2250FT-P-M1615VG-3
1700	66.93	LFG2250FT-P-M1700VG	LFG2250FT-P-M1700VG-2	LFG2250FT-P-M1700VG-3
1785	70.28	LFG2250FT-P-M1785VG	LFG2250FT-P-M1785VG-2	LFG2250FT-P-M1785VG-3
1870	73.62	LFG2250FT-P-M1870VG	LFG2250FT-P-M1870VG-2	LFG2250FT-P-M1870VG-3
1955	76.97	LFG2250FT-P-M1955VG	LFG2250FT-P-M1955VG-2	LFG2250FT-P-M1955VG-3
2040	80.31	LFG2250FT-P-M2040VG	LFG2250FT-P-M2040VG-2	LFG2250FT-P-M2040VG-3

Other widths available on request.

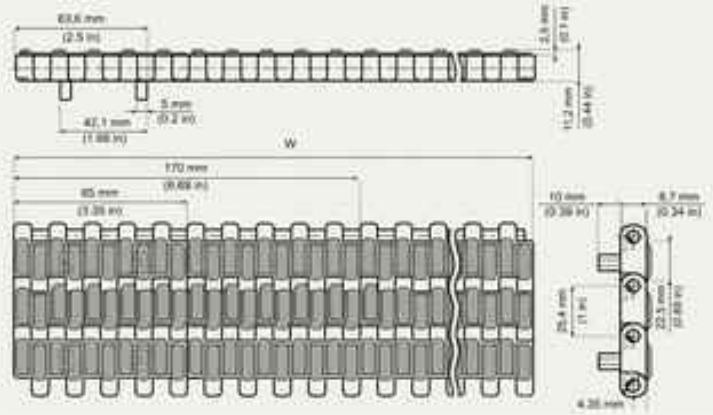
SYSTEM PLAST

SERIES 2250

25,4 MM (1”) BELTS, THICKNESS 8,7 MM (0.34 IN) – VERSIONS WITH TWIN POSITIONERS / RUBBER INSERT



2250 BELT WITH TWIN POSITIONERS / RUBBER INSERT



BELT DIMENSIONS – 63,6 MM (2.5 IN); 42,1 MM (1.66 IN); 5 MM (0.2 IN); 2,5 MM (0.1 IN); 11,2 MM (0.44 IN); 85 MM (3.35 IN); 170 MM (6.69 IN); WIDTH W; 10 MM (0.39 IN); 8,7 MM (0.34 IN); 25,4 MM (1 IN); 22,5 MM (0.89 IN); 4,35 MM (0.17 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Backflex radius: 30 mm (1.18 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

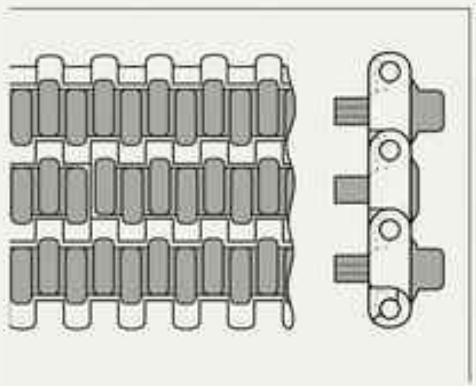
width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

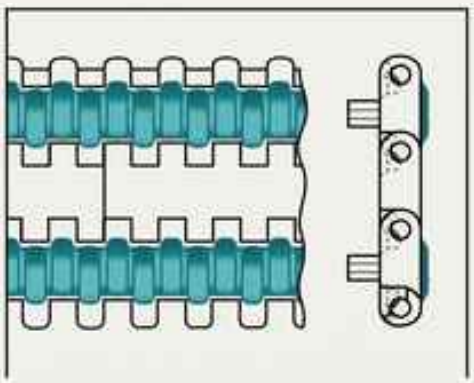
Information about this product is only available on our Smart Guide ® website.

STANDARD MATERIAL

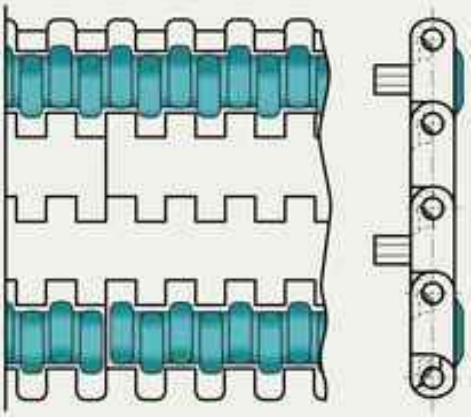
MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber



VG 2250 P2 – INSERT EVERY PITCH



VG2 2250 P2 – INSERT EVERY 2ND PITCH



VG3 2250 P2 – INSERT EVERY 3TH PITCH

SYSTEM PLAST

SERIES 2250 (CONT.)

25,4 MM (1") 2250 MODULAR BELTS - VERSIONS WITH TWIN POSITIONERS / RUBBER INSERT

WIDTH W		VG 2250 P2 – INSERT EVERY PITCH	VG2 2250 P2 – INSERT EVERY 2ND PITCH	VG3 2250 P2 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	LFG2250FT-PT-M0085VG	LFG2250FT-PT-M0085VG-2	LFG2250FT-PT-M0085VG-3
170	6.69	LFG2250FT-PT-M0170VG	LFG2250FT-PT-M0170VG-2	LFG2250FT-PT-M0170VG-3
255	10.04	LFG2250FT-PT-M0255VG	LFG2250FT-PT-M0255VG-2	LFG2250FT-PT-M0255VG-3
340	13.39	LFG2250FT-PT-M0340VG	LFG2250FT-PT-M0340VG-2	LFG2250FT-PT-M0340VG-3
425	16.73	LFG2250FT-PT-M0425VG	LFG2250FT-PT-M0425VG-2	LFG2250FT-PT-M0425VG-3
510	20.08	LFG2250FT-PT-M0510VG	LFG2250FT-PT-M0510VG-2	LFG2250FT-PT-M0510VG-3
595	23.43	LFG2250FT-PT-M0595VG	LFG2250FT-PT-M0595VG-2	LFG2250FT-PT-M0595VG-3
680	26.77	LFG2250FT-PT-M0680VG	LFG2250FT-PT-M0680VG-2	LFG2250FT-PT-M0680VG-3
765	30.12	LFG2250FT-PT-M0765VG	LFG2250FT-PT-M0765VG-2	LFG2250FT-PT-M0765VG-3
850	33.46	LFG2250FT-PT-M0850VG	LFG2250FT-PT-M0850VG-2	LFG2250FT-PT-M0850VG-3
935	36.81	LFG2250FT-PT-M0935VG	LFG2250FT-PT-M0935VG-2	LFG2250FT-PT-M0935VG-3
1020	40.16	LFG2250FT-PT-M1020VG	LFG2250FT-PT-M1020VG-2	LFG2250FT-PT-M1020VG-3
1105	43.50	LFG2250FT-PT-M1105VG	LFG2250FT-PT-M1105VG-2	LFG2250FT-PT-M1105VG-3
1190	46.85	LFG2250FT-PT-M1190VG	LFG2250FT-PT-M1190VG-2	LFG2250FT-PT-M1190VG-3
1275	50.20	LFG2250FT-PT-M1275VG	LFG2250FT-PT-M1275VG-2	LFG2250FT-PT-M1275VG-3
1360	53.54	LFG2250FT-PT-M1360VG	LFG2250FT-PT-M1360VG-2	LFG2250FT-PT-M1360VG-3
1445	56.89	LFG2250FT-PT-M1445VG	LFG2250FT-PT-M1445VG-2	LFG2250FT-PT-M1445VG-3
1530	60.24	LFG2250FT-PT-M1530VG	LFG2250FT-PT-M1530VG-2	LFG2250FT-PT-M1530VG-3
1615	63.58	LFG2250FT-PT-M1615VG	LFG2250FT-PT-M1615VG-2	LFG2250FT-PT-M1615VG-3
1700	66.93	LFG2250FT-PT-M1700VG	LFG2250FT-PT-M1700VG-2	LFG2250FT-PT-M1700VG-3
1785	70.28	LFG2250FT-PT-M1785VG	LFG2250FT-PT-M1785VG-2	LFG2250FT-PT-M1785VG-3
1870	73.62	LFG2250FT-PT-M1870VG	LFG2250FT-PT-M1870VG-2	LFG2250FT-PT-M1870VG-3
1955	76.97	LFG2250FT-PT-M1955VG	LFG2250FT-PT-M1955VG-2	LFG2250FT-PT-M1955VG-3
2040	80.31	LFG2250FT-PT-M2040VG	LFG2250FT-PT-M2040VG-2	LFG2250FT-PT-M2040VG-3

Weight: VG 2250 P2 – 8,7 Kg/m² (1.77 lbs/ft².); VG2 2250 P2 – 8,1 Kg/m² (1.66 lbs/ft².); VG3 2250 P2 – 7,8 Kg/m² (1.59 lbs/ft².)
Other widths available on request.

Other versions for 25,4 mm (1") belts:



FT – FLAT TOP



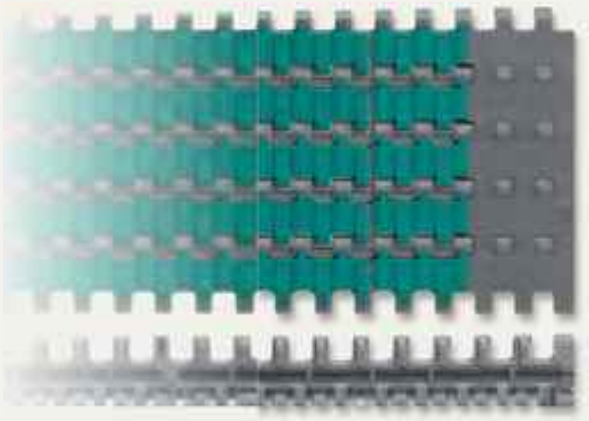
FG – FLUSH GRID



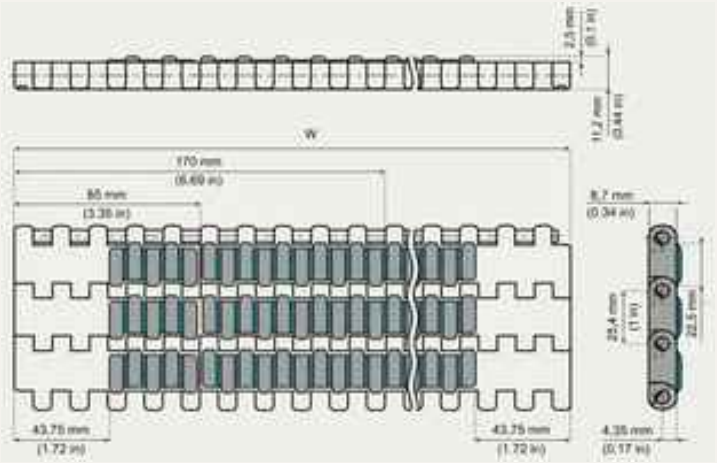
SYSTEM PLAST

SERIES 2250

25,4 MM (1") BELTS, THICKNESS 8,7 MM (0.34 IN) – RUBBER INSERT EVERY PITCH WITH SIDE INDENT



2250 BELT, RUBBER INSERT EVERY PITCH WITH SIDE INDENT



BELT DIMENSIONS – 2,5 MM (0.1 IN); 11,2 MM (0.44 IN); 85 MM (3.35 IN); 170 MM (6.69 IN); WIDTH W; 43,75 MM (1.72 IN); 8,7 MM (0.34 IN); 25,4 MM (1 IN); 22,5 MM (0.89 IN); 4,35 MM (0.17 IN)

VERSION WITH SIDE INDENT

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Backflex radius: 30 mm (1.18 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

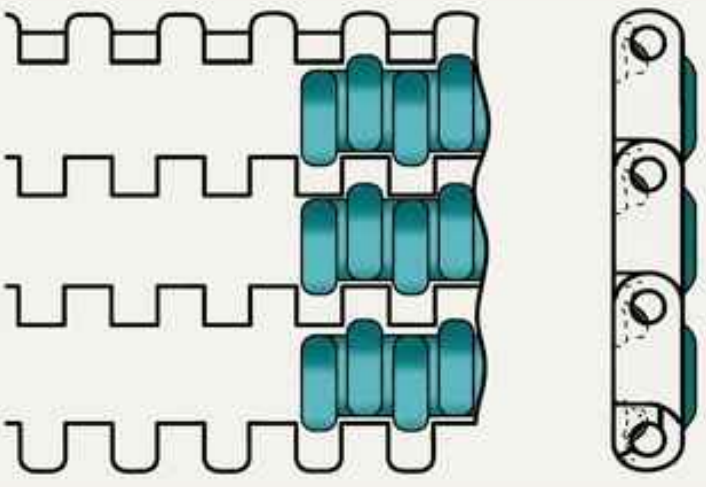
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

width > 1700 mm (66.93 in): on request

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber



VGS 2250 – INSERT EVERY PITCH

25,4 MM (1") 2250 MODULAR BELTS - RUBBER INSERT EVERY PITCH WITH SIDE INDENT

WIDTH W		VGS 2250 – INSERT EVERY PITCH
MM	IN	ITEM DESCRIPTION
255	10.04	LFG2250FT-M0255VGS
340	13.39	LFG2250FT-M0340VGS
425	16.73	LFG2250FT-M0425VGS
510	20.08	LFG2250FT-M0510VGS
595	23.43	LFG2250FT-M0595VGS
680	26.77	LFG2250FT-M0680VGS
765	30.12	LFG2250FT-M0765VGS
850	33.46	LFG2250FT-M0850VGS
935	36.81	LFG2250FT-M0935VGS
1020	40.16	LFG2250FT-M1020VGS
1105	43.50	LFG2250FT-M1105VGS
1190	46.85	LFG2250FT-M1190VGS
1275	50.20	LFG2250FT-M1275VGS
1360	53.54	LFG2250FT-M1360VGS

Weight: 8,7 Kg/m² (1.77 lbs/ft².)
Other widths available on request.

SYSTEM PLAST

SERIES 2250 (CONT.)

25,4 MM (1") 2250 MODULAR BELTS - RUBBER INSERT EVERY PITCH WITH SIDE INDENT (CONT.)

WIDTH W		VGS 2250 – INSERT EVERY PITCH
MM	IN	ITEM DESCRIPTION
1445	56.89	LFG2250FT-M1445VGS
1530	60.24	LFG2250FT-M1530VGS
1615	63.58	LFG2250FT-M1615VGS
1700	66.93	LFG2250FT-M1700VGS
1785	70.28	LFG2250FT-M1785VGS
1870	73.62	LFG2250FT-M1870VGS
1955	76.97	LFG2250FT-M1955VGS
2040	80.31	LFG2250FT-M2040VGS

Other versions for 25,4 mm (1") belts:



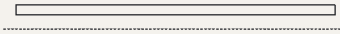
FT – FLAT TOP



FG – FLUSH GRID



VG RUBBER INSERT BELT SURFACE



SCHEMATIC PRESENTATION OF VG RUBBER INSERT BELTS



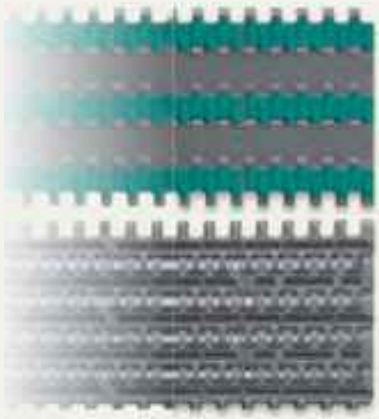
RTC – ROLLER TOP

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1") pitch belts.
Thickness: 8,7 mm (0.34 in)

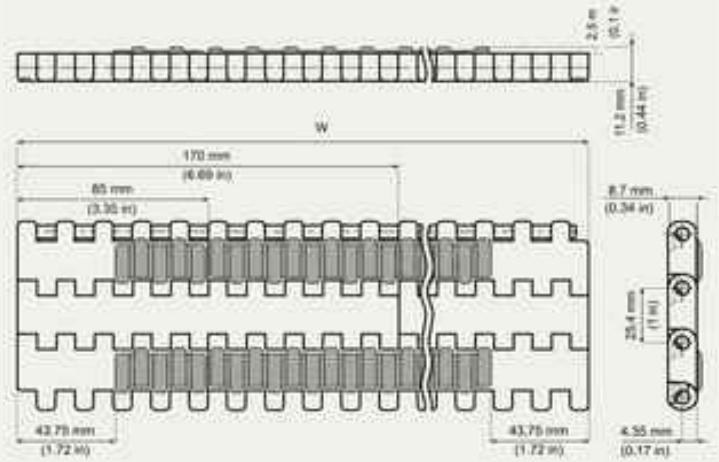
SYSTEM PLAST

SERIES 2250

25,4 MM (1”) BELTS, THICKNESS 8,7 MM (0.34 IN) – RUBBER INSERT EVERY 2ND & 3TH PITCH WITH SIDE INDENT



2250 BELT, RUBBER INSERT EVERY 2ND & 3TH PITCH WITH SIDE INDENT



BELT DIMENSIONS – 2,5 MM (0.1 IN); 11,2 MM (0.44 IN); 85 MM (3.35 IN); 170 MM (6.69 IN); WIDTH W; 43,75 MM (1.72 IN); 8,7 MM (0.34 IN); 25,4 MM (1 IN); 22,5 MM (0.89 IN); 4,35 MM (0.17 IN)

VERSION WITH SIDE INDENT

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour, 70 shore A.

Backflex radius: 30 mm (1.18 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Pin material: PBT (white)

Standard length:

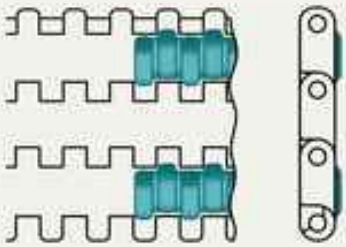
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)

width > 340 mm (13.39 in) ≤ 1700 mm (66.93 in): 1,524 m (5 ft.)

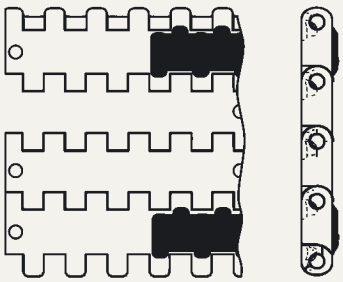
width > 1700 mm (66.93 in): on request

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber



VGS2 2250 – INSERT EVERY 2ND PITCH



VGS3 2250 – INSERT EVERY 3TH PITCH

SYSTEM PLAST

SERIES 2250 (CONT.)

25,4 MM (1") 2250 MODULAR BELTS - RUBBER INSERT EVERY 2ND & 3TH PITCH WITH SIDE INDENT

WIDTH W		VGS2 2250 – INSERT EVERY 2ND PITCH	VGS3 2250 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
170	6.69	LFG2250FT-M0170VGS-2	LFG2250FT-M0170VGS-3
255	10.04	LFG2250FT-M0255VGS-2	LFG2250FT-M0255VGS-3
340	13.39	LFG2250FT-M0340VGS-2	LFG2250FT-M0340VGS-3
425	16.73	LFG2250FT-M0425VGS-2	LFG2250FT-M0425VGS-3
510	20.08	LFG2250FT-M0510VGS-2	LFG2250FT-M0510VGS-3

Weight: VGS2 2250 – 8,1 Kg/m² (1.66 lbs/ft².); VGS3 2250 – 7,8 Kg/m² (1.59 lbs/ft².)
Other widths available on request.

25,4 MM (1") 2250 MODULAR BELTS - RUBBER INSERT EVERY 2ND & 3TH PITCH WITH SIDE INDENT (CONT.)

WIDTH W		VGS2 2250 – INSERT EVERY 2ND PITCH	VGS3 2250 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
595	23.43	LFG2250FT-M0595VGS-2	LFG2250FT-M0595VGS-3
680	26.77	LFG2250FT-M0680VGS-2	LFG2250FT-M0680VGS-3
765	30.12	LFG2250FT-M0765VGS-2	LFG2250FT-M0765VGS-3
850	33.46	LFG2250FT-M0850VGS-2	LFG2250FT-M0850VGS-3
935	36.81	LFG2250FT-M0935VGS-2	LFG2250FT-M0935VGS-3
1020	40.16	LFG2250FT-M1020VGS-2	LFG2250FT-M1020VGS-3
1105	43.50	LFG2250FT-M1105VGS-2	LFG2250FT-M1105VGS-3
1190	46.85	LFG2250FT-M1190VGS-2	LFG2250FT-M1190VGS-3
1275	50.20	LFG2250FT-M1275VGS-2	LFG2250FT-M1275VGS-3
1360	53.54	LFG2250FT-M1360VGS-2	LFG2250FT-M1360VGS-3
1445	56.89	LFG2250FT-M1445VGS-2	LFG2250FT-M1445VGS-3
1530	60.24	LFG2250FT-M1530VGS-2	LFG2250FT-M1530VGS-3
1615	63.58	LFG2250FT-M1615VGS-2	LFG2250FT-M1615VGS-3
1700	66.93	LFG2250FT-M1700VGS-2	LFG2250FT-M1700VGS-3
1785	70.28	LFG2250FT-M1785VGS-2	LFG2250FT-M1785VGS-3
1870	73.62	LFG2250FT-M1870VGS-2	LFG2250FT-M1870VGS-3
1955	76.97	LFG2250FT-M1955VGS-2	LFG2250FT-M1955VGS-3
2040	80.31	LFG2250FT-M2040VGS-2	LFG2250FT-M2040VGS-3

Other versions for 25,4 mm (1") belts:

SYSTEM PLAST

SERIES 2250 (CONT.)



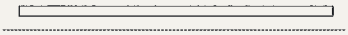
FT – FLAT TOP



FG – FLUSH GRID



VG RUBBER INSERT BELT SURFACE



SCHEMATIC PRESENTATION OF VG RUBBER INSERT BELTS



RTC – ROLLER TOP

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 8,7 mm (0.34 in)

SYSTEM PLAST

SERIES 2250

DRIVE AND RETURN SPROCKETS

NOTES

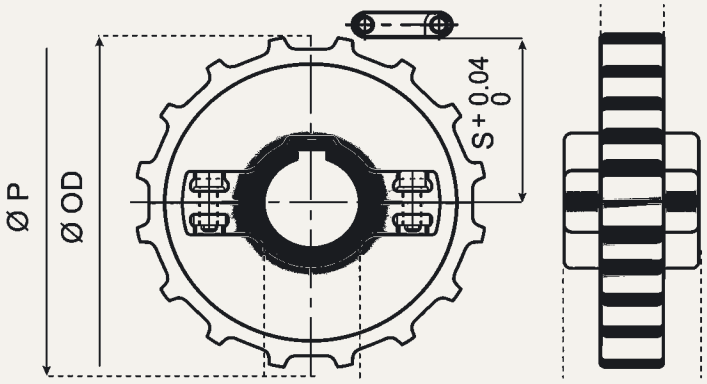
- Sprockets with single keyway can be used for belt widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).
- For wider belts or bigger temperature differences, sprockets with square bores or round bore with double keyway have to be used. Drive sprockets are manufactured for a tight fit on the shaft. To order single keyway sprockets capable of floating freely on the shaft, just add the letter "P" (=plus) to the existing Item description. For example, item description 2250-14R1.25-DPS.

FEATURES

- New design with snap-assembly system included.
- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Excellent wear and chemical resistance.
- Recyclable.



MOLDED SPLIT SPROCKET FOR BELT 2250



SPROCKET DIMENSIONS: Ø P, Ø OD, DF, S + 0.04 / 0; HUB 0.98 AND 1.87

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
20	6.38	6.39	3.01

MOLDED SPROCKETS - SPLIT

Z	Ø 1-1/4	Ø 1-1/2
	ITEM DESCRIPTION	
MOLDED DRIVE SPROCKETS - SPLIT — FIXED		
20	2250-20R1.25-DS-SS	2250-20R1.5-DS-SS
MOLDED RETURN SPROCKETS - SPLIT		
20	2250-20R1.25-RS	2250-20R1.5-RS

Material: reinforced polyamide (black), screws in stainless steel, nuts in nickel plated brass.

SYSTEM PLAST

SERIES 2250

DRIVE AND RETURN SPROCKETS

NOTE

- Sprockets with single keyway can be used for belt widths up to 680 mm (27-in) and temperature differences of maximum 30°C (85°F).
- For wider belts or bigger temperature differences, sprockets with square bores or round bore with double keyway have to be used. Drive sprockets are manufactured for a tight fit on the shaft. To order single keyway sprockets capable of floating freely on the shaft, just add the letter "P" (=plus) to the existing Item description. For example, Item description: 2250-12R1-DPMS.

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



MACHINED SPLIT SPROCKET, ROUND BORE



ROUND BORE SPROCKET DIMENSIONS: Ø P, Ø OD, DF, S + 0.04 / 0, HUB WIDTH 0.98

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
18	5.71	5.76	2.70
20	6.38	6.39	3.01

SYSTEM PLAST

SERIES 2250 (CONT.)

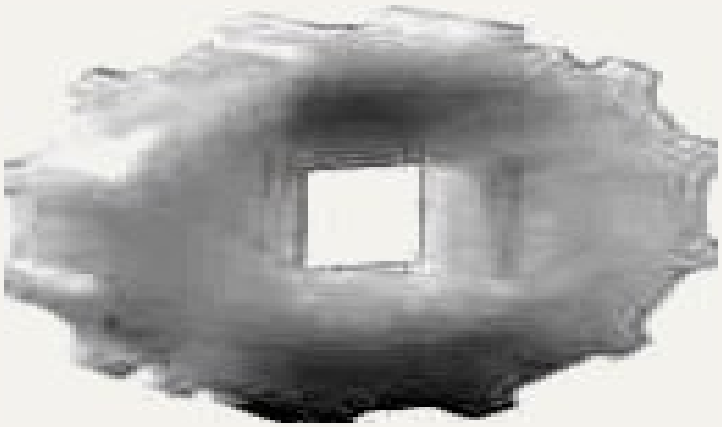
MACHINED SPROCKETS - SPLIT

Z	Ø 18* (R18M) (MM) / Ø 23* (R23M)(MM)	Ø 1	Ø 1-1/4	Ø 1-7/16	Ø 1-1/2
	ITEM DESCRIPTION				
MACHINED DRIVE SPROCKETS - SPLIT — FIXED					
18	-	2250-18R1-DMS-SS	2250-18R1.25-DMS-SS	2250-18R1.44-DMS-SS	2250-18R1.5-DMS-SS
20	-	2250-20R1-DMS-SS	2250-20R1.25-DMS-SS	2250-20R1.44-DMS-SS	2250-20R1.5-DMS-SS
MACHINED RETURN SPROCKETS - SPLIT					
18	2250-18R23M-RMS	2250-18R1-RMS	2250-18R1.25-RMS	2250-18R1.44-RMS	2250-18R1.5-RMS
20	2250-20R23M-RMS	2250-20R1-RMS	2250-20R1.25-RMS	2250-20R1.44-RMS	2250-20R1.5-RMS

*Material: polyamide (natural white), screws in stainless steel, bushings in brass. *Plain bore*



MACHINED SPLIT SPROCKET, SQUARE BORE



SQUARE BORE SPROCKET DIMENSIONS: Ø P, Ø OD, SQ, S + 0.04 / 0, HUB WIDTH 0.98

MACHINED DRIVE SPROCKETS SQUARE BORE - SPLIT

Z	1 X 1	1-1/2 X 1-1/2	2 X 2
	ITEM DESCRIPTION		
MACHINED DRIVE SPROCKETS SQUARE BORE - SPLIT — FLOATING			
18	2250-18S1-DMS	2250-18S1.5-DMS	2250-18S2-DMS
20	2250-20S1-DMS	2250-20S1.5-DMS	2250-20S2-DMS

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

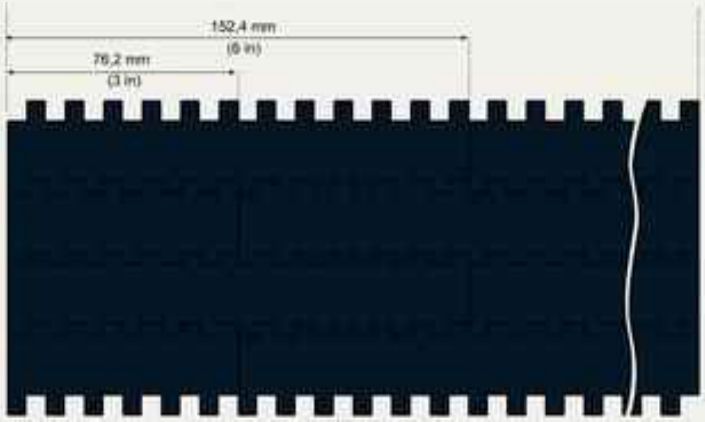
SYSTEM PLAST

SERIES 2253

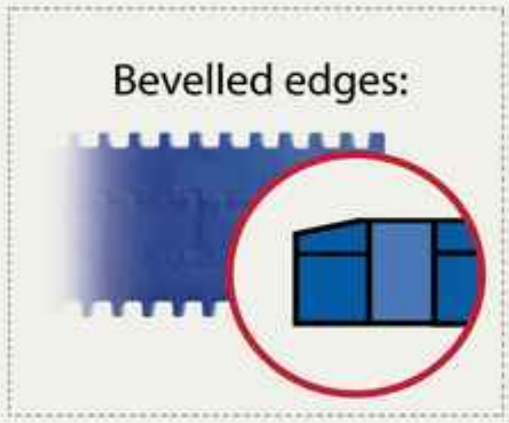
25,4 MM (1") MODULAR BELTS – THICKNESS 8,7 MM (0.34 IN) – FLAT TOP VERSION, 76,2 MM (3 IN) MODULES



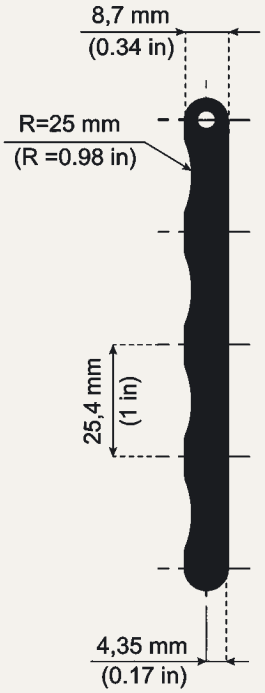
LFG (GREY) AND LFB (BLUE) FLAT TOP BELT



FLAT TOP BELT LAYOUT: WIDTH W, 76,2 MM (3 IN) AND 152,4 MM (6 IN) MODULES



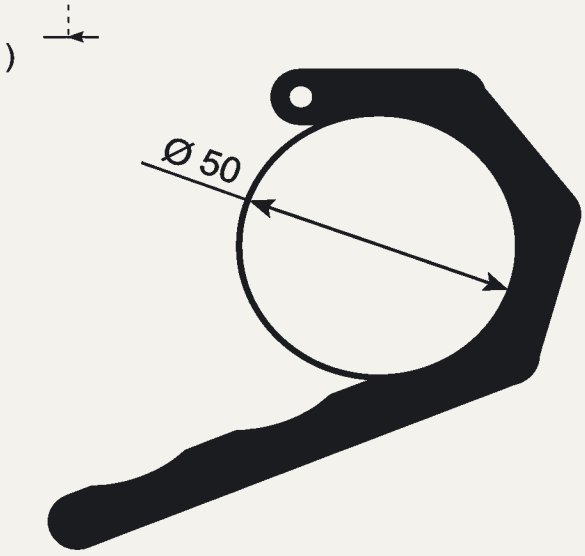
BEVELLED EDGES



BELT CROSS-SECTION: 8,7 MM (0.34 IN) THICKNESS, R=25 MM (R=0.98 IN), 25,4 MM (1 IN) PITCH, 4,35 MM (0.17 IN)

SYSTEM PLAST

SERIES 2253 (CONT.)



BELT ON SPROCKET, Ø 50

Information about this product is only available on our Smart Guide ® website.

BELT DATA

Backflex radius: 40 mm (1.58 in)

Max load capacity: 25000 N/m (1700 lbs/ft.)

Weight: 7,3 Kg/m² (1.49 lbs/ft².)

Standard pin material: PBT (white)

Standard length:
width ≤ 15 in: 3,048 m (10 ft.)
width > 15 in ≤ 66 in: 1,524 m (5 ft.)
width > 66 in: on request

STANDARD MATERIALS

MATERIAL	DESCRIPTION
LFB (BLUE)	Low friction acetal resin
LFG (GREY)	Low friction acetal resin

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FG – Flush grid; VG – Rubber insert; RTC – Roller top.



FG – FLUSH GRID



VG – RUBBER INSERT



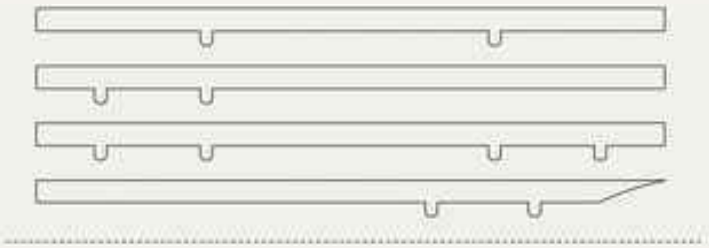
RTC – ROLLER TOP

SYSTEM PLAST

SERIES 2253 (CONT.)



FLAT TOP BELT SURFACE



SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS

Notes: Schematic presentation of all flat top 25,4 mm (1") pitch belts. Thickness: 8,7 mm (0.34 in)

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION	
MM	IN	LFB (BLUE)	LFG (GREY)
76	3.00	LFB2253FT-K300	LFG2253FT-K300
152	6.00	LFB2253FT-K600	LFG2253FT-K600
229	9.00	LFB2253FT-K900	LFG2253FT-K900
305	12.00	LFB2253FT-K1200	LFG2253FT-K1200
381	15.00	LFB2253FT-K1500	LFG2253FT-K1500
457	18.00	LFB2253FT-K1800	LFG2253FT-K1800
533	21.00	LFB2253FT-K2100	LFG2253FT-K2100
610	24.00	LFB2253FT-K2400	LFG2253FT-K2400
686	27.00	LFB2253FT-K2700	LFG2253FT-K2700
762	30.00	LFB2253FT-K3000	LFG2253FT-K3000
838	33.00	LFB2253FT-K3300	LFG2253FT-K3300
914	36.00	LFB2253FT-K3600	LFG2253FT-K3600
991	39.00	LFB2253FT-K3900	LFG2253FT-K3900
1067	42.00	LFB2253FT-K4200	LFG2253FT-K4200
1143	45.00	LFB2253FT-K4500	LFG2253FT-K4500
1219	48.00	LFB2253FT-K4800	LFG2253FT-K4800
1295	51.00	LFB2253FT-K5100	LFG2253FT-K5100
1372	54.00	LFB2253FT-K5400	LFG2253FT-K5400
1448	57.00	LFB2253FT-K5700	LFG2253FT-K5700
1524	60.00	LFB2253FT-K6000	LFG2253FT-K6000
1600	63.00	LFB2253FT-K6300	LFG2253FT-K6300
1676	66.00	LFB2253FT-K6600	LFG2253FT-K6600
1753	69.00	LFB2253FT-K6900	LFG2253FT-K6900
1829	72.00	LFB2253FT-K7200	LFG2253FT-K7200
1905	75.00	LFB2253FT-K7500	LFG2253FT-K7500
1981	78.00	LFB2253FT-K7800	LFG2253FT-K7800
2057	81.00	LFB2253FT-K8100	LFG2253FT-K8100
2134	84.00	LFB2253FT-K8400	LFG2253FT-K8400
2210	87.00	LFB2253FT-K8700	LFG2253FT-K8700
2286	90.00	LFB2253FT-K9000	LFG2253FT-K9000
2362	93.00	LFB2253FT-K9300	LFG2253FT-K9300
2438	96.00	LFB2253FT-K9600	LFG2253FT-K9600

Other widths available on request.

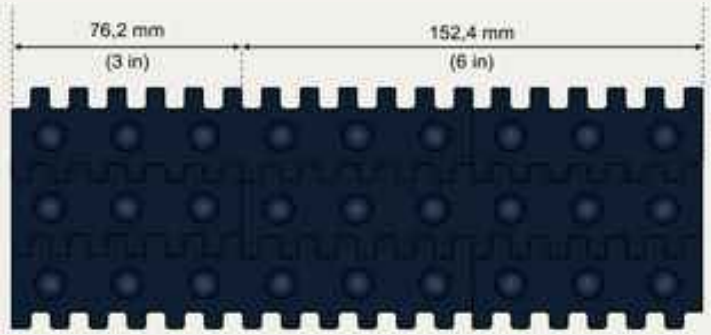
SYSTEM PLAST

SERIES 2253

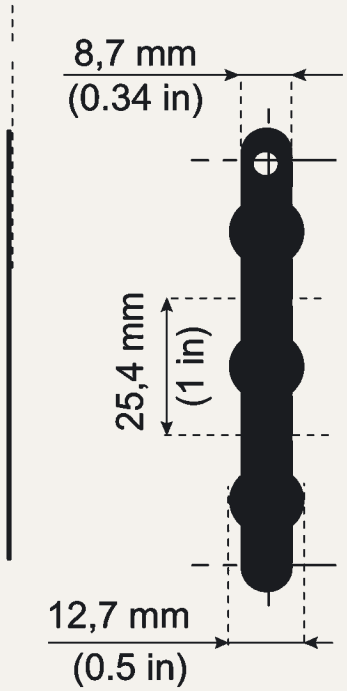
25,4 MM (1") MODULAR BELTS 2253 RTC – THICKNESS 8,7 MM (0.34 IN) – ROLLER TOP VERSION



2253 RTC ROLLER TOP BELT



ROLLER TOP BELT LAYOUT: WIDTH W, 76,2 MM (3 IN) AND 152,4 MM (6 IN) MODULES



BELT CROSS-SECTION: 8,7 MM (0.34 IN) THICKNESS, 25,4 MM (1 IN) PITCH, 12,7 MM (0.5 IN)

Information about this product is only available on our Smart Guide ® website.

BELT DATA

Backflex radius: 30 mm (1.18 in)

Max load capacity: 10500 N/m (714 lbs/ft.)

Max load per ball: 10 N (2.24 lbs)

Weight: 10,5 kg/m² (2.14 lbs/ft².)

Ball material: Polyamide

Standard length:
width ≤ 30 in: 1,524 m (5 ft.)
width > 30 in ≤ 60 in: 1,016 m (3,35 ft.)
width > 60 in: on request

Standard pin material: PBT (white)

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFB (BLUE)	Low friction acetal resin

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FT – Flat top; FG – Flush grid; VG – Rubber insert.

SYSTEM PLAST

SERIES 2253 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID



VG – RUBBER INSERT

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	LFB2253RTC-K300
152	6.00	LFB2253RTC-K600
229	9.00	LFB2253RTC-K900
305	12.00	LFB2253RTC-K1200
381	15.00	LFB2253RTC-K1500
457	18.00	LFB2253RTC-K1800
533	21.00	LFB2253RTC-K2100
610	24.00	LFB2253RTC-K2400
686	27.00	LFB2253RTC-K2700
762	30.00	LFB2253RTC-K3000
838	33.00	LFB2253RTC-K3300
914	36.00	LFB2253RTC-K3600
991	39.00	LFB2253RTC-K3900
1067	42.00	LFB2253RTC-K4200
1143	45.00	LFB2253RTC-K4500
1219	48.00	LFB2253RTC-K4800
1295	51.00	LFB2253RTC-K5100
1372	54.00	LFB2253RTC-K5400
1448	57.00	LFB2253RTC-K5700
1524	60.00	LFB2253RTC-K6000
1600	63.00	LFB2253RTC-K6300
1676	66.00	LFB2253RTC-K6600
1753	69.00	LFB2253RTC-K6900
1829	72.00	LFB2253RTC-K7200
1905	75.00	LFB2253RTC-K7500
1981	78.00	LFB2253RTC-K7800
2057	81.00	LFB2253RTC-K8100
2134	84.00	LFB2253RTC-K8400
2210	87.00	LFB2253RTC-K8700
2286	90.00	LFB2253RTC-K9000
2362	93.00	LFB2253RTC-K9300
2438	96.00	LFB2253RTC-K9600
2515	99.00	LFB2253RTC-K9900
2590	102.00	LFB2253RTC-K10200
2666	105.00	LFB2253RTC-K10500
2743	108.00	LFB2253RTC-K10800
2819	111.00	LFB2253RTC-K11100

Other widths available on request.

SYSTEM PLAST

SERIES 2253

DRIVE AND RETURN SPROCKETS

NOTE

- Sprockets with single keyway can be used for belt widths up to 680 mm (27-in) and temperature differences of maximum 30°C (85°F).
- For wider belts or bigger temperature differences, sprockets with square bores or round bore with double keyway have to be used. Drive sprockets are manufactured for a tight fit on the shaft. To order single keyway sprockets capable of floating freely on the shaft, just add the letter "P" (=plus) to the existing Item description. For example, Item description: 2253-18R1-DPMS-SS-BT

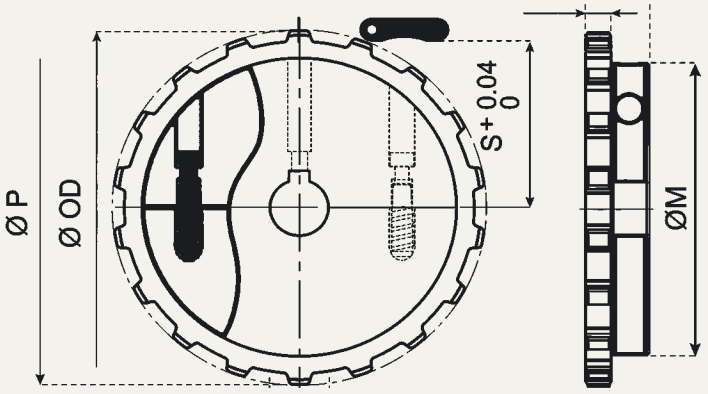
SPROCKET DIMENSIONS - DRIVE AND RETURN SPROCKETS FOR BELT 2253FT-2253RTC

Z	Ø OD (IN)	Ø P (IN)	S (IN)
12	3.95	3.86	1.73
15	4.80	4.81	2.23
18	5.70	5.75	2.69

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.





MACHINED SPLIT SPROCKET – Ø P, Ø OD, Ø M, DF, S +0.04/0, 0.39, 0.98

MACHINED SPROCKETS - SPLIT

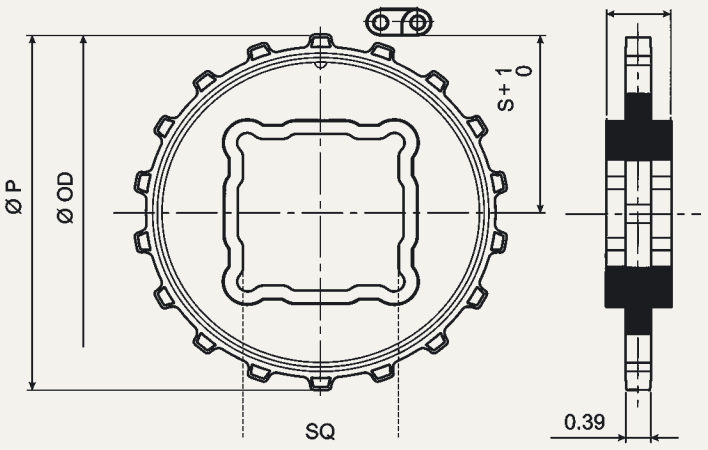
Z	Ø 1	Ø 1-1/4	Ø 1-7/16	Ø 1-1/2
MACHINED DRIVE SPROCKETS - SPLIT / FIXED				
18	2253-18R1-DMS-SS-BT	2253-18R1.25-DMS-SS-BT	2253-18R1.44-DMS-SS-BT	2253-18R1.5-DMS-SS-BT
MACHINED RETURN SPROCKETS - SPLIT				
18	2253-18R1-RMS-BT	2253-18R1.25-RMS-BT	2253-18R1.44-RMS-BT	2253-18R1.5-RMS-BT

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

SPROCKETS FOR BELTS SERIES 2253FT

Z	40X40	60X60
	ITEM DESCRIPTION	
MOLDED DRIVE SPROCKETS SQUARE BORE / ONE PIECE - FLOATING		
12	2253-12S40M-D	-
15	2253-15S40M-D	2253-15S60M-D
18	2253-18S40M-D	2253-18S60M-D

Material: reinforced polyamide (grey).

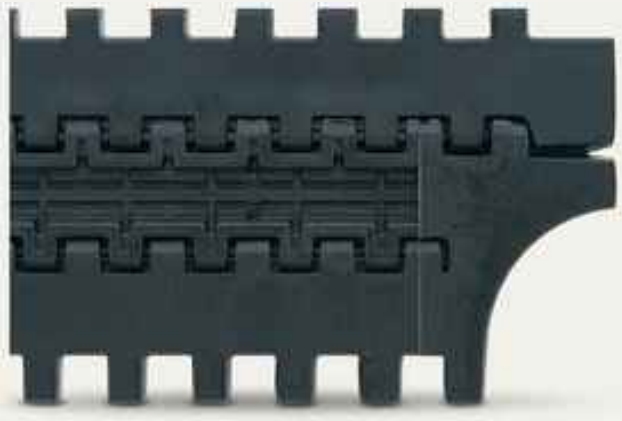


MOLDED SQUARE BORE SPROCKET – Ø P, Ø OD, SQ, S +1/+0, 0.39, 0.98

SYSTEM PLAST

SERIES 2251

25,4 MM (1”) 2251 WITH TRANSFER WING – THICKNESS: 12,7 MM (1/2”)



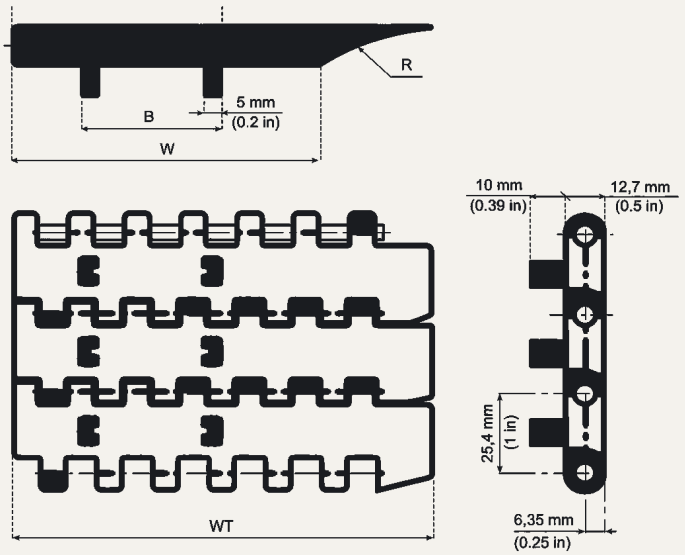
NEW NG EVO

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Pin material: PBT (white)

Backflex radius: 30 mm (1.18 in)



SINGLE TRACK – A, B, W, WT, R, 5 MM (0.2 IN), 10 MM (0.39 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)

STANDARD MATERIAL

Information about this product is only available on our Smart Guide® website.

NGE (GREY BLUE)

New Generation®

SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	A		B		WIDTH W		WIDTH WT		R		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2251FT-PT-K330T	NGE Grey Blue	63	2.48	42,1	1.66	93	3.66	127	5	80	3.15	2900	650	1,7	1.14
NGE2251FT-PT-K430TL	NGE Grey Blue	78,6	3.095	43,2	1.7	109,5	4.31	160	6.3	150	5.91	3800	850	2,2	1.5
NGE2251FT-PT-K730TL	NGE Grey Blue	116,7	4.6	43,2	1.7	185	7.3	236,2	9.3	150	5.91	6200	1400	3,2	2.2

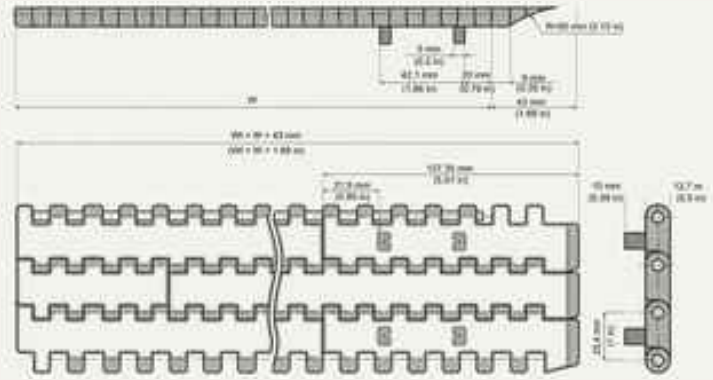
Standard length: 120 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2251 (CONT.)



NEW NG EVO – WIDER VERSIONS



WIDER VERSIONS – W, WT = W + 43 MM (WT = W + 1.69 IN), R=80 MM (3.15 IN), 42,1 MM (1.66 IN), 20 MM (0.79 IN), 9 MM (0.35 IN), 43 MM (1.69 IN), 5 MM (0.2 IN), 21,5 MM (0.85 IN), 127,35 MM (5.01 IN), 10 MM (0.39 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)

WIDER VERSIONS

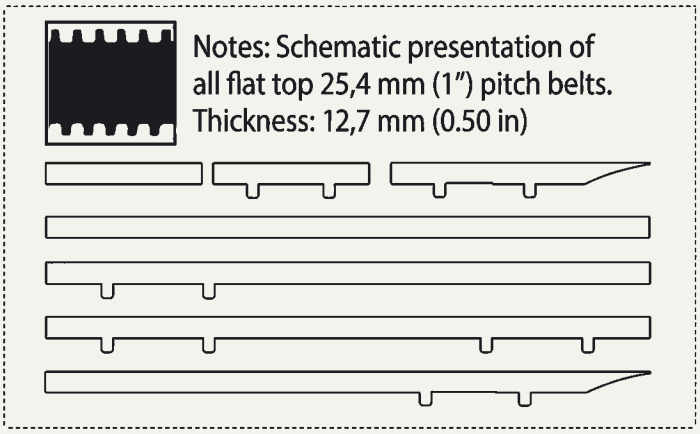
Backflex radius: 30 mm (1.18 in)

Max load capacity: 34200 N/m (2350 lbs/ft.)

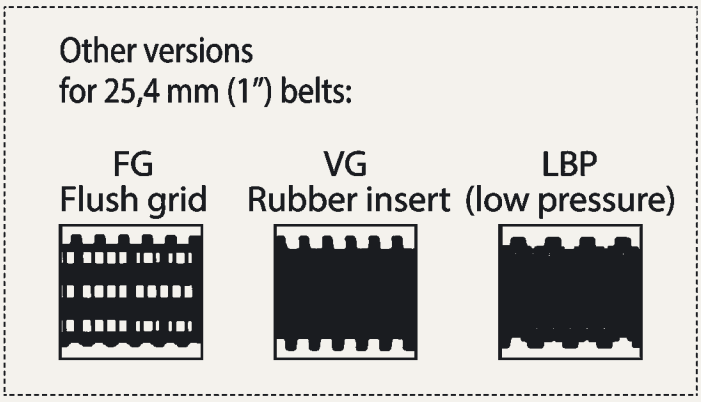
Weight: 12,5 Kg/m² (2.55 lbs/ft².)

Pin material: PBT (white)

Standard length: width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,524 m (5 ft.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 12,7 MM (0.50 IN)



OTHER VERSIONS FOR 25,4 MM (1") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE)

WIDER VERSIONS - BELT WIDTHS

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2251FT-PT-M0085T
170	6.69	NGE2251FT-PT-M0170T
255	10.04	NGE2251FT-PT-M0255T
340	13.39	NGE2251FT-PT-M0340T
425	16.73	NGE2251FT-PT-M0425T
510	20.08	NGE2251FT-PT-M0510T

Version with Positioning Tabs located on opposite side of belt from transfer wing is available. Replace "PT" with "PTX" if this orientation is desired.

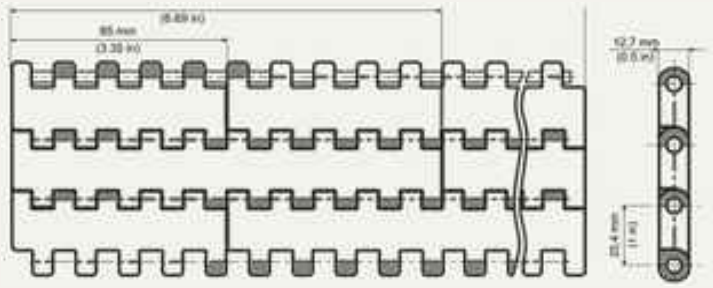
SYSTEM PLAST

SERIES 2251

25,4 MM (1IN) MODULAR BELTS 2251 – THICKNESS: 12,7 MM (½") – FLAT TOP VERSION



LFG / NEW NG EVO



FLAT TOP BELT – W, 170 MM (6.69 IN), 85 MM (3.35 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

STANDARD MATERIALS

NGE (GREY BLUE) – New Generation®

LFG (GREY) – Low friction acetal resin

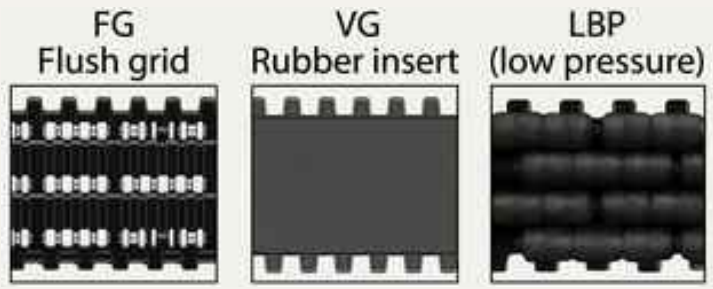
Backflex radius: 25 mm (0.98 in)

Max load capacity (LFG): 38000 N/m (2.600 lbs/ft.)

Weight: 12,5 Kg/m² (2.55 lbs/ft².)

Pin material: PBT (white)

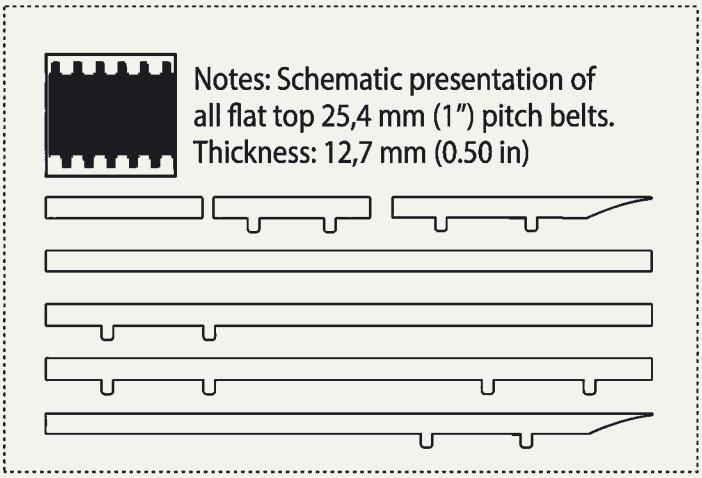
Standard length: width ≤ 340 mm (13.39 in): 3,048 m (10 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,524 m (5 ft.); width > 935 mm (36.81 in): on request



OTHER VERSIONS FOR 25,4 MM (1") BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE)

SYSTEM PLAST

SERIES 2251 (CONT.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 12,7 MM (0.50 IN)

FLAT TOP VERSION - BELT WIDTHS

WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2251FT-M0085	LFG2251FT-M0085
170	6.69	NGE2251FT-M0170	LFG2251FT-M0170
255	10.04	NGE2251FT-M0255	LFG2251FT-M0255
340	13.39	NGE2251FT-M0340	LFG2251FT-M0340
425	16.73	NGE2251FT-M0425	LFG2251FT-M0425
510	20.08	NGE2251FT-M0510	LFG2251FT-M0510
595	23.43	NGE2251FT-M0595	LFG2251FT-M0595
680	26.77	NGE2251FT-M0680	LFG2251FT-M0680
765	30.12	NGE2251FT-M0765	LFG2251FT-M0765
850	33.46	NGE2251FT-M0850	LFG2251FT-M0850
935	36.81	NGE2251FT-M0935	LFG2251FT-M0935
1020	40.16	NGE2251FT-M1020	LFG2251FT-M1020
1105	43.50	NGE2251FT-M1105	LFG2251FT-M1105
1190	46.85	NGE2251FT-M1190	LFG2251FT-M1190
1275	50.20	NGE2251FT-M1275	LFG2251FT-M1275
1360	53.54	NGE2251FT-M1360	LFG2251FT-M1360
1445	56.89	NGE2251FT-M1445	LFG2251FT-M1445
1530	60.24	NGE2251FT-M1530	LFG2251FT-M1530
1615	63.58	NGE2251FT-M1615	LFG2251FT-M1615
1700	66.93	NGE2251FT-M1700	LFG2251FT-M1700
1785	70.28	NGE2251FT-M1785	LFG2251FT-M1785
1870	73.62	NGE2251FT-M1870	LFG2251FT-M1870
1955	76.97	NGE2251FT-M1955	LFG2251FT-M1955
2040	80.31	NGE2251FT-M2040	LFG2251FT-M2040
2125	83.66	NGE2251FT-M2125	LFG2251FT-M2125
2210	87.01	NGE2251FT-M2210	LFG2251FT-M2210
2295	90.35	NGE2251FT-M2295	LFG2251FT-M2295

Other widths available on request.

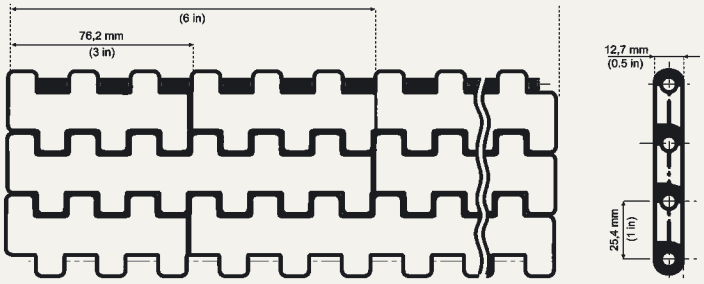
SYSTEM PLAST

SERIES 2251

25,4 MM (1”) MODULAR BELTS 2252 – THICKNESS: 12,7 MM (1/2”) – FLAT TOP VERSION, 76,2 MM (3”) MODULES



NEW NG EVO



FLAT TOP BELT, 76,2 MM (3”) MODULES – W, 152,4 MM (6 IN), 76,2 MM (3 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 1 in (25,4 mm)

Max load capacity: 34200 N/m (2340 lbs/ft.)

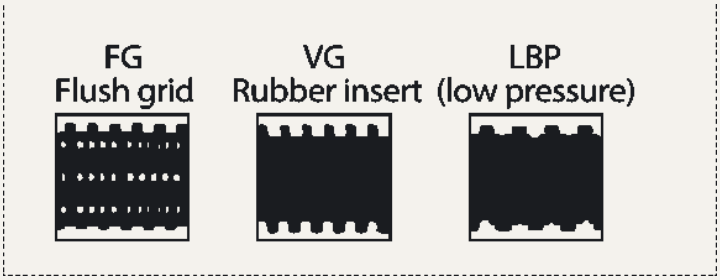
Weight: 12,9 Kg/m2 (2.63 lbs/ft2.)

Pin material: PBT (white)

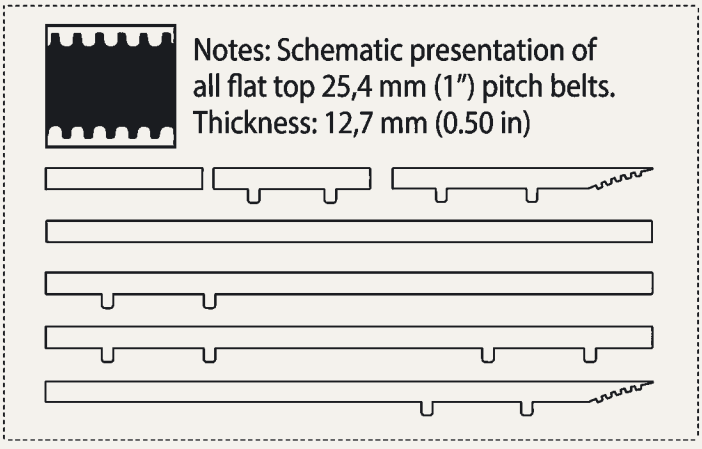
Standard length: width ≤ 15 in: 3,048 m (ft.); width > 15 in ≤ 36 in: 1,524 m (5 ft.); width > 36 in: on request

STANDARD MATERIAL

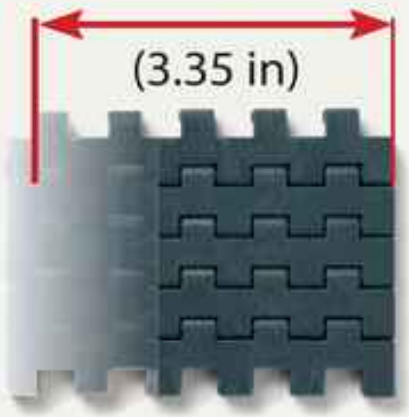
NGE (GREY BLUE) – New Generation®



OTHER VERSIONS FOR 25,4 MM (1”) BELTS: FG FLUSH GRID, VG RUBBER INSERT, LBP (LOW PRESSURE)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1”) PITCH BELTS. THICKNESS: 12,7 MM (0.50 IN)



85 MM (3.35 IN) MODULE WIDTH

SYSTEM PLAST

SERIES 2251 (CONT.)

Also available in metric widths. Go to: 40440a

Information about this product is only available on our Smart Guide® website.

FLAT TOP VERSION - BELT WIDTHS

WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	NGE2252FT-K300
152	6.00	NGE2252FT-K600
229	9.00	NGE2252FT-K900
305	12.00	NGE2252FT-K1200
381	15.00	NGE2252FT-K1500
457	18.00	NGE2252FT-K1800
533	21.00	NGE2252FT-K2100
610	24.00	NGE2252FT-K2400
686	27.00	NGE2252FT-K2700
762	30.00	NGE2252FT-K3000
838	33.00	NGE2252FT-K3300
914	36.00	NGE2252FT-K3600
991	39.00	NGE2252FT-K3900
1067	42.00	NGE2252FT-K4200
1143	45.00	NGE2252FT-K4500
1219	48.00	NGE2252FT-K4800
1295	51.00	NGE2252FT-K5100
1372	54.00	NGE2252FT-K5400
1448	57.00	NGE2252FT-K5700
1524	60.00	NGE2252FT-K6000
1600	63.00	NGE2252FT-K6300
1676	66.00	NGE2252FT-K6600
1753	69.00	NGE2252FT-K6900
1829	72.00	NGE2252FT-K7200
1905	75.00	NGE2252FT-K7500
1981	78.00	NGE2252FT-K7800
2057	81.00	NGE2252FT-K8100
2134	84.00	NGE2252FT-K8400
2210	87.00	NGE2252FT-K8700
2286	90.00	NGE2252FT-K9000

Other widths available on request.

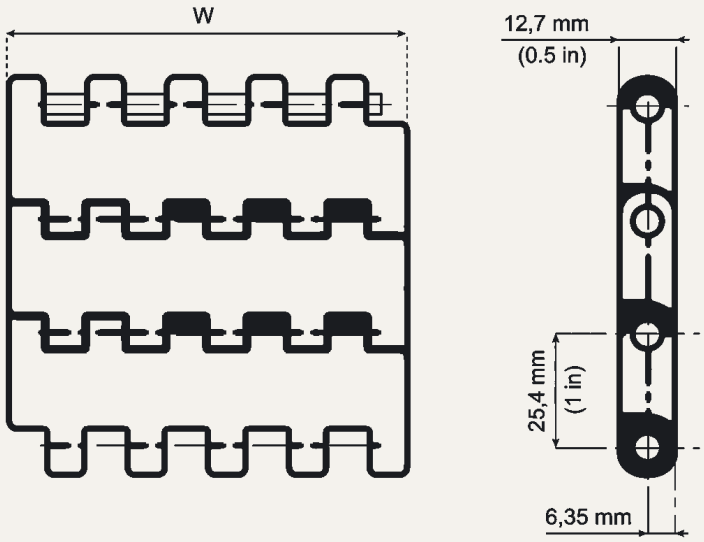
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½") – FLAT TOP VERSION



NG® EVO FLAT TOP BELT



SINGLE TRACK – TOP VIEW AND SECTION, 12,7 MM (0.5 IN) THICKNESS, 25,4 MM (1 IN) PITCH, 6,35 MM (0.25 IN) PIN

Pin material: PBT (white)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

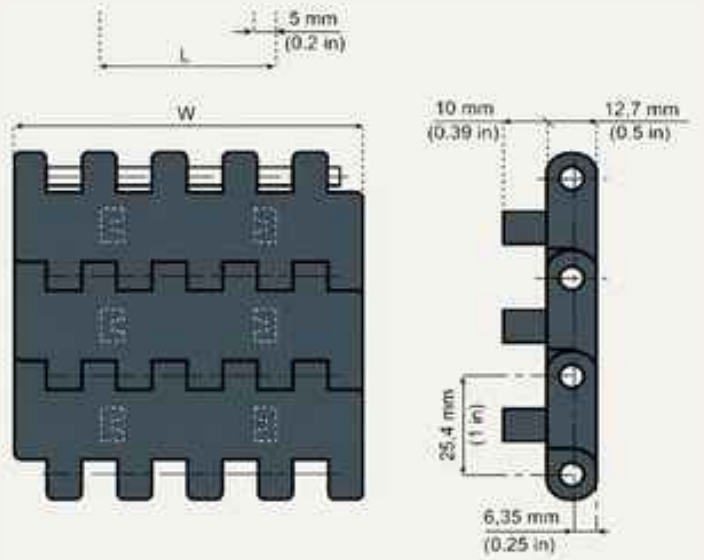
SINGLE TRACK

ITEM DESCRIPTION	MATERIAL	WIDTH W		PITCH		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT
NGE2252FT-K300	NGE Grey Blue	76,2	3	25,4	1	25	1	2600	590	1	0.67
NGE2252FT-K325	NGE Grey Blue	82,6	3.25	25,4	1	25	1	2800	620	1,2	0.81
NGE2251FT-K330	NGE Grey Blue	83,8	3.3	25,4	1	25	1	2800	620	1,2	0.81
NGE2252FT-K450	NGE Grey Blue	114,3	4.5	25,4	1	25	1	3870	860	1,6	1.07
NGE2252FT-K600	NGE Grey Blue	152,4	6	25,4	1	25	1	5220	1170	2,1	1.4
NGE2252FT-K750	NGE Grey Blue	190,5	7.5	25,4	1	25	1	6480	1460	2,7	1.81

Standard length: 120 pitches (3,048 m - 10 ft.)

SYSTEM PLAST

SERIES 2251 (CONT.)

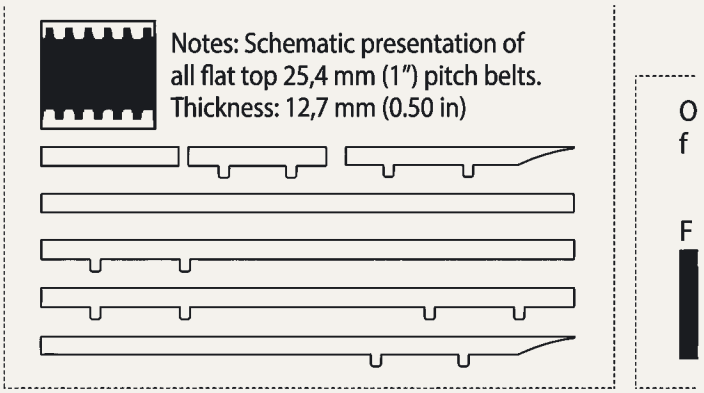


SINGLE TRACK WITH POSITIONER – POSITIONER PITCH L, 5 MM (0.2 IN) AND 10 MM (0.39 IN) POSITIONER DETAIL

SINGLE TRACK WITH POSITIONER

ITEM DESCRIPTION	MATERIAL	L		WIDTH W		PITCH		BACKFLEX RADIUS		MAX LOAD CAPACITY		WEIGHT	
		MM	IN	MM	IN	MM	IN	MM	IN	N	LBS	KG/M	LBS/FT.
NGE2252FT-PT-K300	NGE Grey Blue	43,1	1.7	76,2	3	25,4	1	25	1	2600	590	1	0.67
NGE2252FT-PT-K325	NGE Grey Blue	43,1	1.7	82,6	3.25	25,4	1	25	1	2800	620	1,2	0.81
NGE2251FT-PT-K330	NGE Grey Blue	42,1	1.66	83,8	3.3	25,4	1	25	1	2800	620	1,2	0.81
NGE2252FT-PT-K450	NGE Grey Blue	43,1	1.7	114,3	4.5	25,4	1	25	1	3870	860	1,6	1.07
NGE2252FT-PT-K600	NGE Grey Blue	43,1	1.7	152,4	6	25,4	1	25	1	5220	1170	2,1	1.4
NGE2252FT-PT-K750	NGE Grey Blue	43,1	1.7	190,5	7.5	25,4	1	25	1	6480	1460	2,7	1.81

Standard length: 120 pitches (3,048 m - 10 ft.)



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 12,7 MM (0.50 IN)

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FG – Flush grid
- VG – Rubber insert
- LBP – Low pressure

STANDARD MATERIAL

NGE (GREY BLUE) – New Generation®

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2251

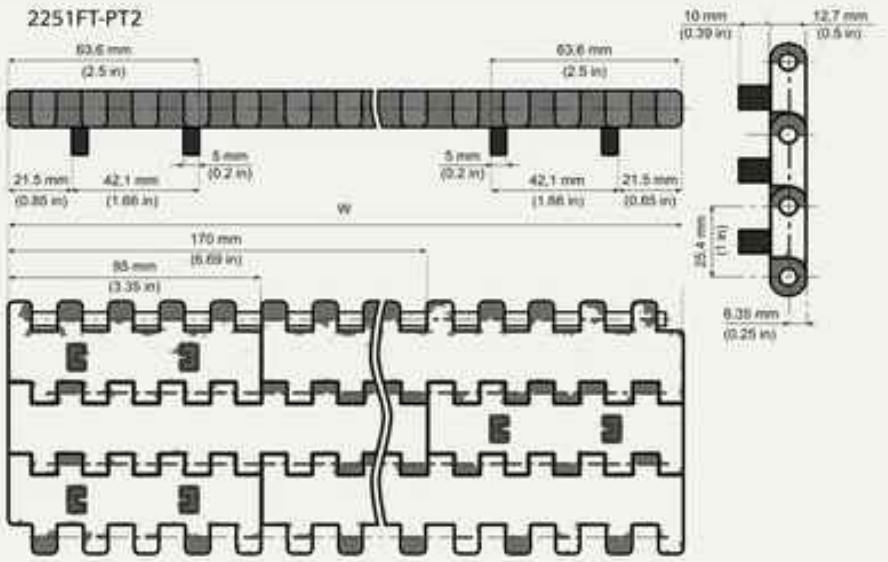
25,4 MM (1") MODULAR BELTS 2251 – THICKNESS 12,7 MM (1/2") – FLAT TOP VERSION WITH TWIN POSITIONERS



NG® EVO FLAT TOP BELT WITH POSITIONERS



2251FT-PT – SINGLE POSITIONER: 21,5 MM (0.85 IN), 42,1 MM (1.66 IN), 63,6 MM (2.5 IN), POSITIONER 5 MM (0.2 IN)



2251FT-PT2 – TWIN POSITIONERS: 63,6 MM (2.5 IN) SPACING, BELT TOP VIEW 85 MM (3.35 IN) / 170 MM (6.69 IN) AND SECTION 12,7 MM (0.5 IN) × 25,4 MM (1 IN), PIN 6,35 MM (0.25 IN)

SYSTEM PLAST

SERIES 2251 (CONT.)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 25 mm (0.98 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Weight: 12,5 Kg/m^2 (2.55 lbs/ft^2)

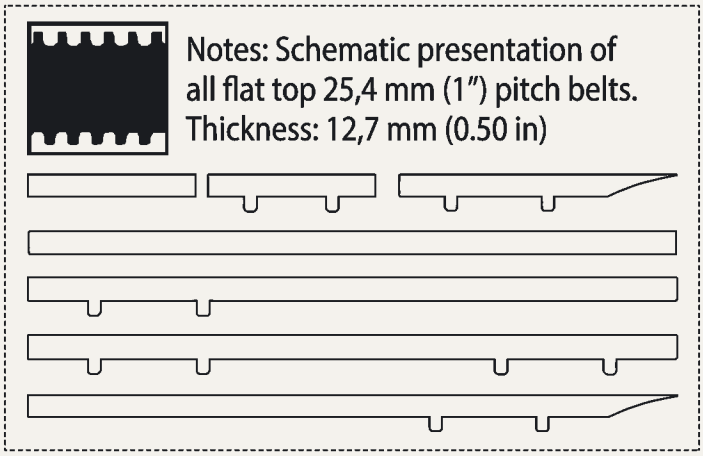
Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,048 m (10 ft.)
width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,524 m (5 ft.)
width > 935 mm (36.81 in): on request

FLAT TOP VERSION WITH POSITIONERS

WIDTH W		ITEM DESCRIPTION	ITEM DESCRIPTION
MM	IN		
85	3.35	NGE2251FT-PT-M0085	-
170	6.69	NGE2251FT-PT-M0170	NGE2251FT-PT2-M0170
255	10.04	NGE2251FT-PT-M0255	NGE2251FT-PT2-M0255
340	13.39	NGE2251FT-PT-M0340	NGE2251FT-PT2-M0340
425	16.73	NGE2251FT-PT-M0425	NGE2251FT-PT2-M0425
510	20.08	NGE2251FT-PT-M0510	NGE2251FT-PT2-M0510
595	23.43	NGE2251FT-PT-M0595	NGE2251FT-PT2-M0595
680	26.77	NGE2251FT-PT-M0680	NGE2251FT-PT2-M0680
765	30.12	NGE2251FT-PT-M0765	NGE2251FT-PT2-M0765
850	33.46	NGE2251FT-PT-M0850	NGE2251FT-PT2-M0850
935	36.81	NGE2251FT-PT-M0935	NGE2251FT-PT2-M0935
1020	40.16	NGE2251FT-PT-M1020	NGE2251FT-PT2-M1020
1105	43.50	NGE2251FT-PT-M1105	NGE2251FT-PT2-M1105
1190	46.85	NGE2251FT-PT-M1190	NGE2251FT-PT2-M1190
1275	50.20	NGE2251FT-PT-M1275	NGE2251FT-PT2-M1275
1360	53.54	NGE2251FT-PT-M1360	NGE2251FT-PT2-M1360
1445	56.89	NGE2251FT-PT-M1445	NGE2251FT-PT2-M1445
1530	60.24	NGE2251FT-PT-M1530	NGE2251FT-PT2-M1530
1615	63.58	NGE2251FT-PT-M1615	NGE2251FT-PT2-M1615
1700	66.93	NGE2251FT-PT-M1700	NGE2251FT-PT2-M1700
1785	70.28	NGE2251FT-PT-M1785	NGE2251FT-PT2-M1785
1870	73.62	NGE2251FT-PT-M1870	NGE2251FT-PT2-M1870

Other widths available on request.



NOTES: SCHEMATIC PRESENTATION OF ALL FLAT TOP 25,4 MM (1") PITCH BELTS. THICKNESS: 12,7 MM (0.50 IN)

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FG – Flush grid
- VG – Rubber insert
- LBP – Low pressure

STANDARD MATERIALS

NGE (GREY BLUE) – New Generation®

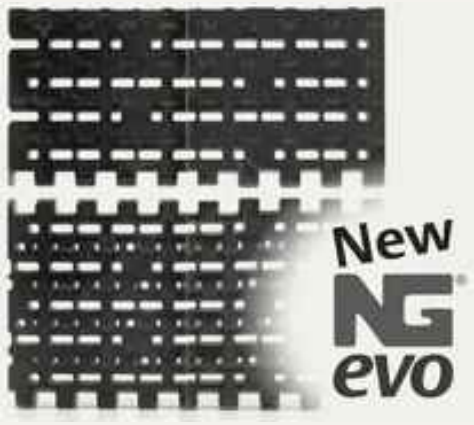
LFG (GREY) – Low friction acetal resin

Information about this product is only available on our Smart Guide® website.

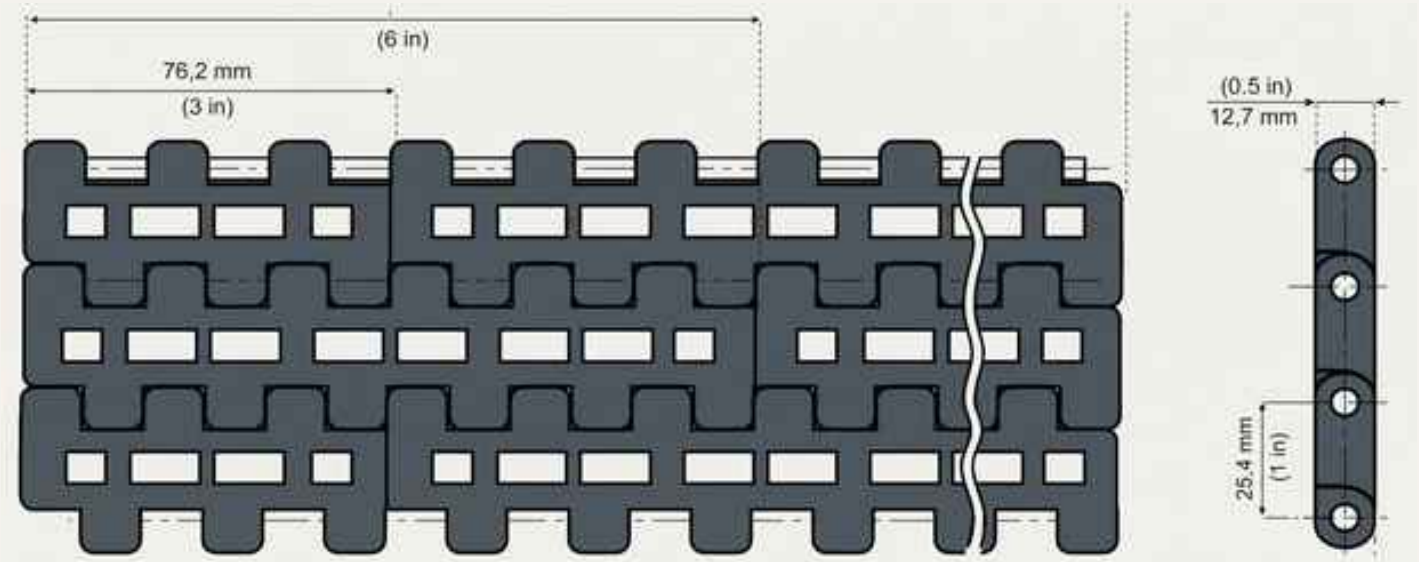
SYSTEM PLAST

SERIES 2251

25,4 MM (1") 2252 MODULAR BELTS – THICKNESS 12,7 MM (½") – PERFORATED TOP VERSION



NG® EVO PERFORATED TOP BELT



PERFORATED TOP BELT – TOP VIEW WITH WIDTH W, 76,2 MM (3 IN) AND 152,4 MM (6 IN) MODULES; SECTION 12,7 MM (0.5 IN) × 25,4 MM (1 IN), PIN 6,35 MM (0.25 IN)

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 25,4 mm (1")

Max load capacity: 34200 N/m (2340 lbs/ft.)

Weight: 14,0 Kg/m^2 (2.86 lbs/ft^2)

Pin material: PBT (white)

Open surface: 14%

Standard length:
width ≤ 15 in: 3,05 m (10 ft.)
width > 15 in, but ≤ 36 in: 1,52 m (5 ft.)
width > 36 in: on request

SYSTEM PLAST

SERIES 2251 (CONT.)

PERFORATED TOP VERSION

WIDTH W		ITEM DESCRIPTION
MM	IN	
76	3.00	NGE2252PT-K300
152	6.00	NGE2252PT-K600
229	9.00	NGE2252PT-K900
305	12.00	NGE2252PT-K1200
381	15.00	NGE2252PT-K1500
457	18.00	NGE2252PT-K1800
533	21.00	NGE2252PT-K2100
610	24.00	NGE2252PT-K2400
686	27.00	NGE2252PT-K2700
762	30.00	NGE2252PT-K3000
838	33.00	NGE2252PT-K3300
914	36.00	NGE2252PT-K3600
991	39.00	NGE2252PT-K3900
1067	42.00	NGE2252PT-K4200
1143	45.00	NGE2252PT-K4500
1219	48.00	NGE2252PT-K4800
1295	51.00	NGE2252PT-K5100
1372	54.00	NGE2252PT-K5400

Other widths available on request.

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FT – Flat top
- VG – Rubber insert
- LBP – Low pressure

STANDARD MATERIAL

NGE (GREY BLUE) – New Generation®

Information about this product is only available on our Smart Guide® website.

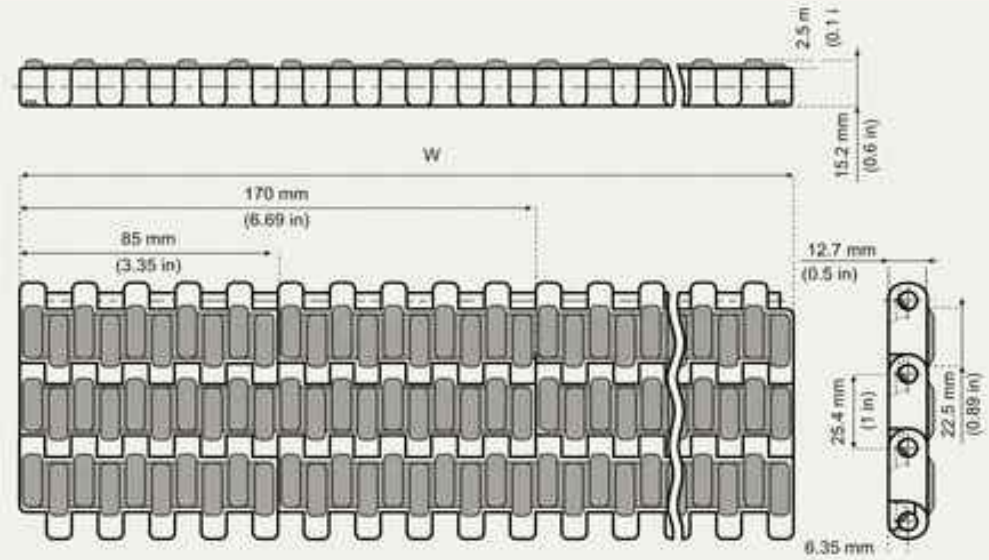
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½") – RUBBER INSERT EVERY PITCH



VG RUBBER INSERT BELT



RUBBER INSERT EVERY PITCH – SIDE VIEW WITH 2,5 MM (0.1 IN) INSERT AND 15,2 MM (0.6 IN) INSERT WIDTH; TOP VIEW 85 MM (3.35 IN) / 170 MM (6.69 IN); SECTION 12,7 MM (0.5 IN) × 25,4 MM (1 IN) × 22,5 MM (0.89 IN), PIN 6,35 MM (0.25 IN)

Belt material: low friction acetal resin, grey colour

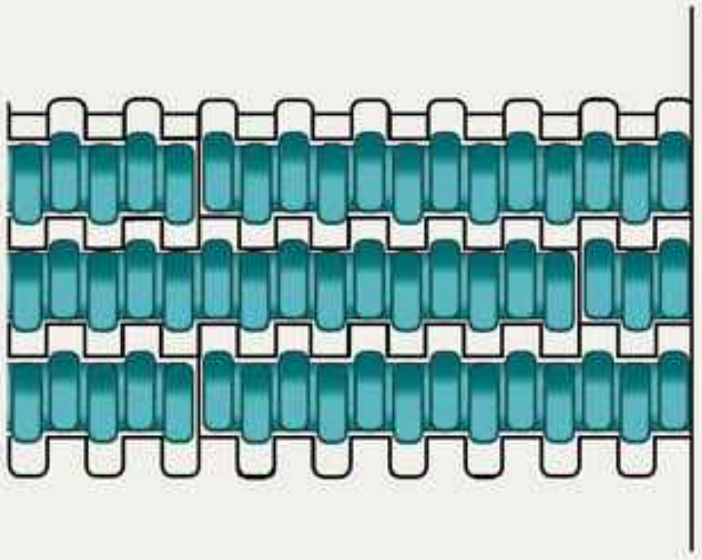
Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length:
width ≤ 340 mm (13.39 in): 3,05 m (10 ft.)
width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.)
width > 935 mm (36.81 in): on request



VG 2251 – INSERT EVERY PITCH

SYSTEM PLAST

SERIES 2251 (CONT.)

Weight: 13,5 Kg/m^2 (2.75 lbs/ft^2)

RUBBER INSERT EVERY PITCH

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	LFG2251FT-M0085VG
170	6.69	LFG2251FT-M0170VG
255	10.04	LFG2251FT-M0255VG
340	13.39	LFG2251FT-M0340VG
425	16.73	LFG2251FT-M0425VG
510	20.08	LFG2251FT-M0510VG
595	23.43	LFG2251FT-M0595VG
680	26.77	LFG2251FT-M0680VG
765	30.12	LFG2251FT-M0765VG
850	33.46	LFG2251FT-M0850VG
935	36.81	LFG2251FT-M0935VG
1020	40.16	LFG2251FT-M1020VG
1105	43.50	LFG2251FT-M1105VG
1190	46.85	LFG2251FT-M1190VG
1275	50.20	LFG2251FT-M1275VG
1360	53.54	LFG2251FT-M1360VG
1445	56.89	LFG2251FT-M1445VG
1530	60.24	LFG2251FT-M1530VG
1615	63.58	LFG2251FT-M1615VG
1700	66.93	LFG2251FT-M1700VG
1785	70.28	LFG2251FT-M1785VG
1870	73.62	LFG2251FT-M1870VG

Other widths available on request.

STANDARD MATERIAL

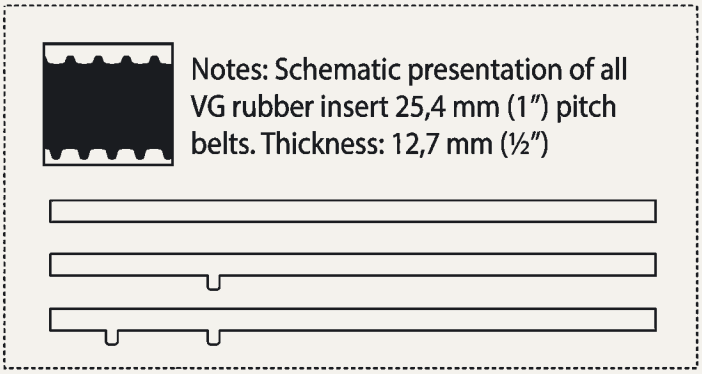
LFG (GREY) – Low friction acetal resin

TPR (WATER BLUE) – Thermoplastic rubber

Information about this product is only available on our Smart Guide® website.

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FT – Flat top
- FG – Flush grid
- LBP – Low pressure



NOTES: SCHEMATIC PRESENTATION OF ALL VG RUBBER INSERT 25,4 MM (1") PITCH BELTS. THICKNESS: 12,7 MM (½")

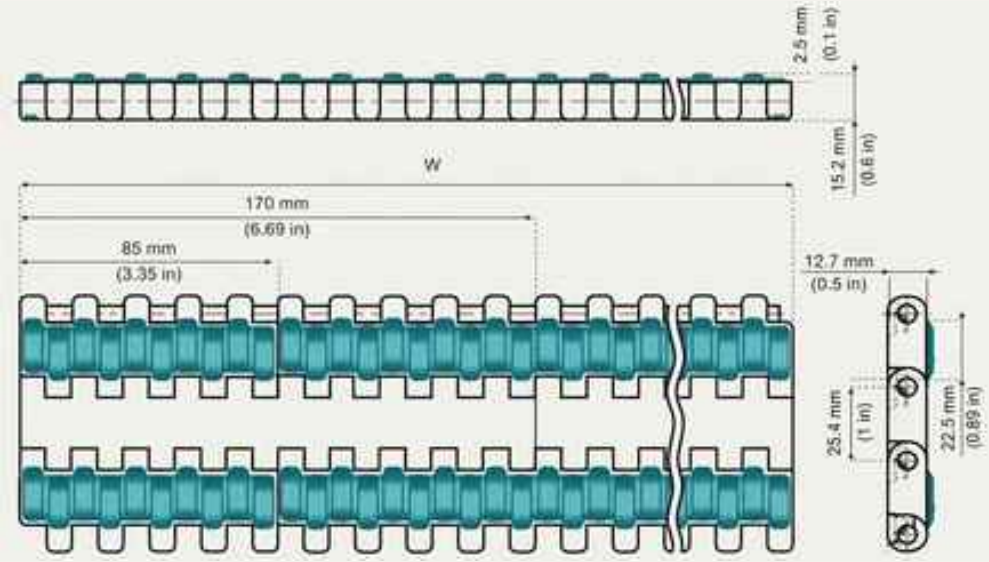
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½"), RUBBER INSERT EVERY 2ND & 3TH PITCH



SERIES 2251 BELT WITH RUBBER INSERT



BELT DIMENSIONS: WIDTH W, 85 MM (3.35 IN), 170 MM (6.69 IN), 2,5 MM (0.1 IN), 15,2 MM (0.6 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,05 m (10 ft.)

width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.)

width > 935 mm (36.81 in): on request

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FT – Flat top
- FG – Flush grid
- LBP – (Low pressure)

SYSTEM PLAST

SERIES 2251 (CONT.)

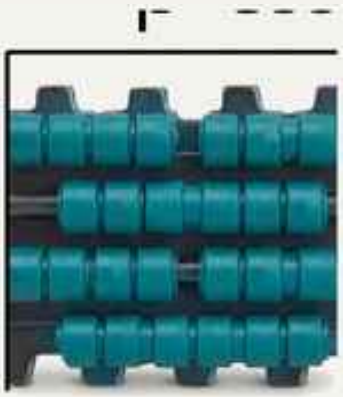


FT – FLAT TOP

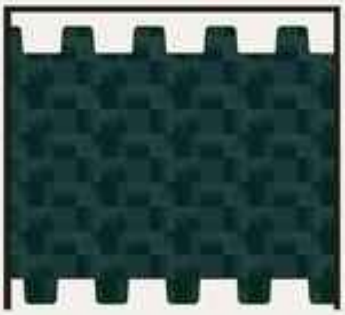


FG – FLUSH GRID

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)



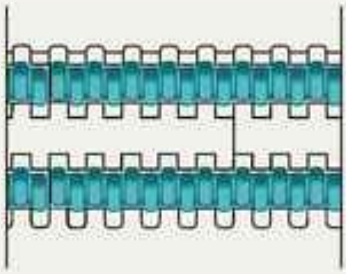
LBP – (LOW PRESSURE)



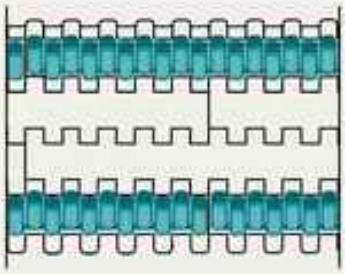
VG RUBBER INSERT BELT SURFACE



SCHEMATIC SIDE VIEWS



VG2 2251 – INSERT EVERY 2ND PITCH



VG3 2251 – INSERT EVERY 3TH PITCH

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		VG2 2251 – INSERT EVERY 2ND PITCH	VG3 2251 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	LFG2251FT-M0085VG-2	LFG2251FT-M0085VG-3
170	6.69	LFG2251FT-M0170VG-2	LFG2251FT-M0170VG-3
255	10.04	LFG2251FT-M0255VG-2	LFG2251FT-M0255VG-3
340	13.39	LFG2251FT-M0340VG-2	LFG2251FT-M0340VG-3
425	16.73	LFG2251FT-M0425VG-2	LFG2251FT-M0425VG-3
510	20.08	LFG2251FT-M0510VG-2	LFG2251FT-M0510VG-3
595	23.43	LFG2251FT-M0595VG-2	LFG2251FT-M0595VG-3
680	26.77	LFG2251FT-M0680VG-2	LFG2251FT-M0680VG-3

Weight: VG2 2251 – 13,0 Kg/m² (2.65 lbs/ft²); VG3 2251 – 12,8 Kg/m² (2.61 lbs/ft²).
Other widths available on request.

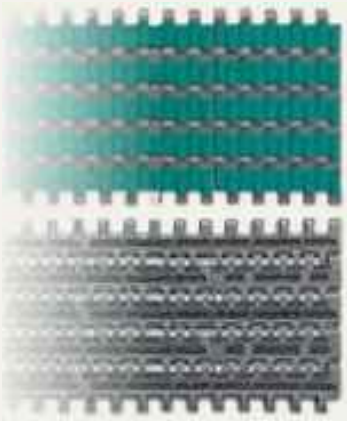
BELT WIDTHS AND ITEM DESCRIPTIONS (CONT.)

WIDTH W		VG2 2251 – INSERT EVERY 2ND PITCH	VG3 2251 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
765	30.12	LFG2251FT-M0765VG-2	LFG2251FT-M0765VG-3
850	33.46	LFG2251FT-M0850VG-2	LFG2251FT-M0850VG-3
935	36.81	LFG2251FT-M0935VG-2	LFG2251FT-M0935VG-3
1020	40.16	LFG2251FT-M1020VG-2	LFG2251FT-M1020VG-3
1105	43.50	LFG2251FT-M1105VG-2	LFG2251FT-M1105VG-3
1190	46.85	LFG2251FT-M1190VG-2	LFG2251FT-M1190VG-3
1275	50.20	LFG2251FT-M1275VG-2	LFG2251FT-M1275VG-3
1360	53.54	LFG2251FT-M1360VG-2	LFG2251FT-M1360VG-3
1445	56.89	LFG2251FT-M1445VG-2	LFG2251FT-M1445VG-3

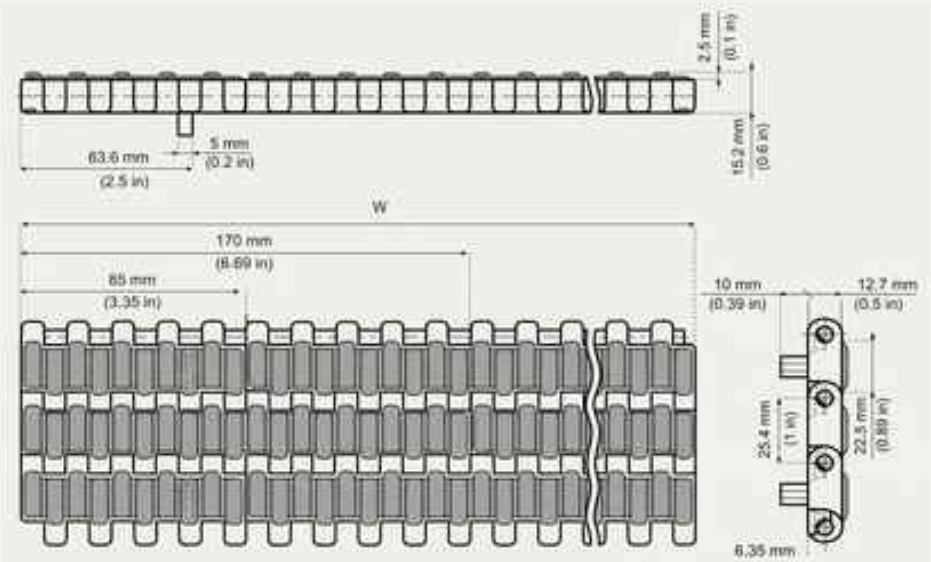
SYSTEM PLAST

SERIES 2251

25,4 MM (1”) MODULAR BELTS – THICKNESS 12,7 MM (½”), VERSIONS WITH POSITIONERS / RUBBER INSERTS



SERIES 2251 BELT WITH POSITIONERS AND RUBBER INSERT



BELT DIMENSIONS: WIDTH W, 85 MM (3.35 IN), 170 MM (6.69 IN), 63,6 MM (2.5 IN), 5 MM (0.2 IN), 2,5 MM (0.1 IN), 15,2 MM (0.6 IN), 10 MM (0.39 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,05 m (10 ft.)

width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.)

width > 935 mm (36.81 in): on request

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1”) BELTS

- FT – Flat top
- FG – Flush grid
- LBP – (Low pressure)

SYSTEM PLAST

SERIES 2251 (CONT.)



FT – FLAT TOP

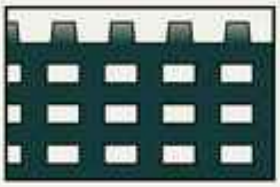


FG – FLUSH GRID

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1") pitch belts.
Thickness: 12,7 mm (½")



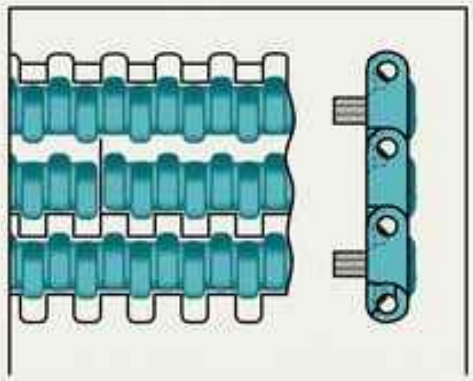
LBP – (LOW PRESSURE)



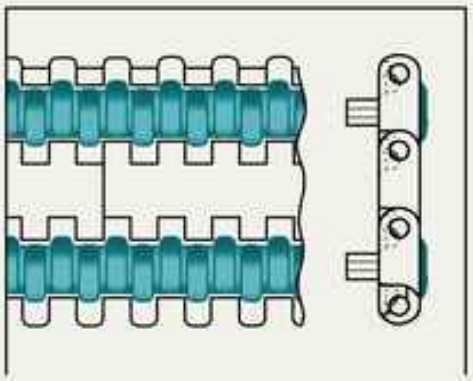
VG RUBBER INSERT BELT SURFACE



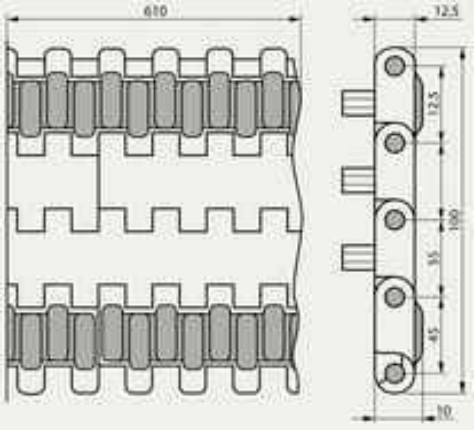
SCHEMATIC SIDE VIEWS



VG 2251 P1 – INSERT EVERY PITCH



VG2 2251 P1 – INSERT EVERY 2ND PITCH



VG3 2251 P1 – INSERT EVERY 3TH PITCH

SYSTEM PLAST

SERIES 2251 (CONT.)

BELT WIDTHS AND ITEM DESCRIPTIONS

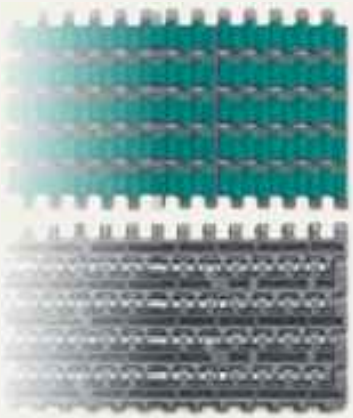
WIDTH W		VG 2251 P1 – INSERT EVERY PITCH	VG2 2251 P1 – INSERT EVERY 2ND PITCH	VG3 2251 P1 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	LFG2251FT-P-M0085VG	LFG2251FT-P-M0085VG-2	LFG2251FT-P-M0085VG-3
170	6.69	LFG2251FT-P-M0170VG	LFG2251FT-P-M0170VG-2	LFG2251FT-P-M0170VG-3
255	10.04	LFG2251FT-P-M0255VG	LFG2251FT-P-M0255VG-2	LFG2251FT-P-M0255VG-3
340	13.39	LFG2251FT-P-M0340VG	LFG2251FT-P-M0340VG-2	LFG2251FT-P-M0340VG-3
425	16.73	LFG2251FT-P-M0425VG	LFG2251FT-P-M0425VG-2	LFG2251FT-P-M0425VG-3
510	20.08	LFG2251FT-P-M0510VG	LFG2251FT-P-M0510VG-2	LFG2251FT-P-M0510VG-3
595	23.43	LFG2251FT-P-M0595VG	LFG2251FT-P-M0595VG-2	LFG2251FT-P-M0595VG-3
680	26.77	LFG2251FT-P-M0680VG	LFG2251FT-P-M0680VG-2	LFG2251FT-P-M0680VG-3
765	30.12	LFG2251FT-P-M0765VG	LFG2251FT-P-M0765VG-2	LFG2251FT-P-M0765VG-3
850	33.46	LFG2251FT-P-M0850VG	LFG2251FT-P-M0850VG-2	LFG2251FT-P-M0850VG-3
935	36.81	LFG2251FT-P-M0935VG	LFG2251FT-P-M0935VG-2	LFG2251FT-P-M0935VG-3
1020	40.16	LFG2251FT-P-M1020VG	LFG2251FT-P-M1020VG-2	LFG2251FT-P-M1020VG-3
1105	43.50	LFG2251FT-P-M1105VG	LFG2251FT-P-M1105VG-2	LFG2251FT-P-M1105VG-3
1190	46.85	LFG2251FT-P-M1190VG	LFG2251FT-P-M1190VG-2	LFG2251FT-P-M1190VG-3
1275	50.20	LFG2251FT-P-M1275VG	LFG2251FT-P-M1275VG-2	LFG2251FT-P-M1275VG-3
1360	53.54	LFG2251FT-P-M1360VG	LFG2251FT-P-M1360VG-2	LFG2251FT-P-M1360VG-3
1445	56.89	LFG2251FT-P-M1445VG	LFG2251FT-P-M1445VG-2	LFG2251FT-P-M1445VG-3
1530	60.24	LFG2251FT-P-M1530VG	LFG2251FT-P-M1530VG-2	LFG2251FT-P-M1530VG-3
1615	63.58	LFG2251FT-P-M1615VG	LFG2251FT-P-M1615VG-2	LFG2251FT-P-M1615VG-3
1700	66.93	LFG2251FT-P-M1700VG	LFG2251FT-P-M1700VG-2	LFG2251FT-P-M1700VG-3
1785	70.28	LFG2251FT-P-M1785VG	LFG2251FT-P-M1785VG-2	LFG2251FT-P-M1785VG-3
1870	73.62	LFG2251FT-P-M1870VG	LFG2251FT-P-M1870VG-2	LFG2251FT-P-M1870VG-3

Weight: VG 2251 P1 – 13,5 Kg/m² (2.75 lbs/ft²); VG2 2251 P1 – 13,0 Kg/m² (2.65 lbs/ft²); VG3 2251 P1 – 12,8 Kg/m² (2.61 lbs/ft²).
Other widths available on request.

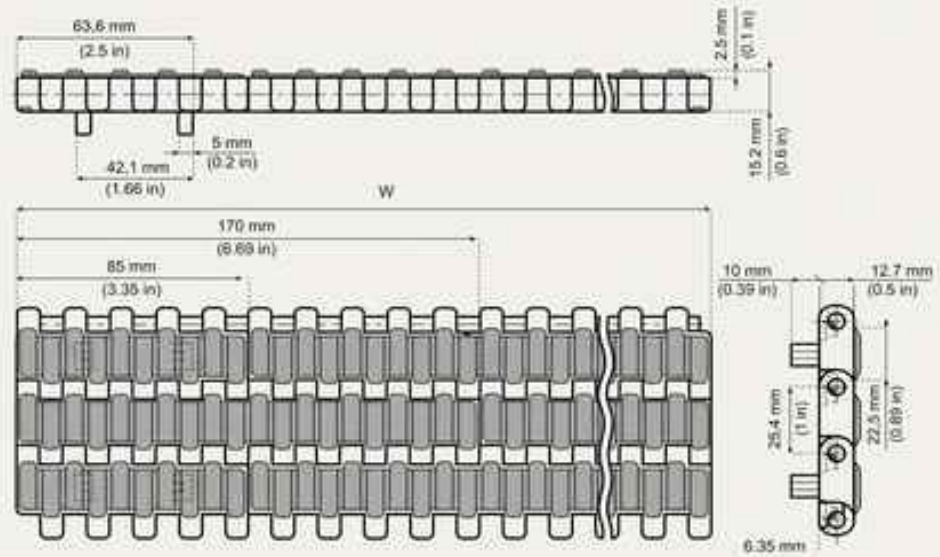
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½"), VERSIONS WITH TWIN POSITIONERS / RUBBER INSERTS



SERIES 2251 BELT WITH TWIN POSITIONERS AND RUBBER INSERT



BELT DIMENSIONS: WIDTH W, 85 MM (3.35 IN), 170 MM (6.69 IN), 63,6 MM (2.5 IN), 42,1 MM (1.66 IN), 5 MM (0.2 IN), 2,5 MM (0.1 IN), 15,2 MM (0.6 IN), 10 MM (0.39 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,05 m (10 ft.)

width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.)

width > 935 mm (36.81 in): on request

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FT – Flat top
- FG – Flush grid
- LBP – (Low pressure)

SYSTEM PLAST

SERIES 2251 (CONT.)



FT – FLAT TOP

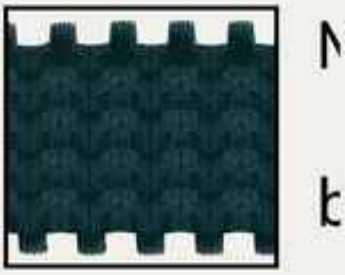


FG – FLUSH GRID

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)



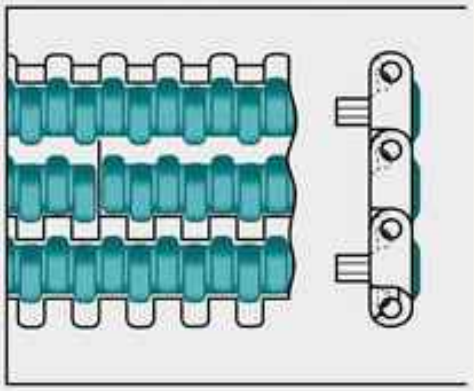
LBP – (LOW PRESSURE)



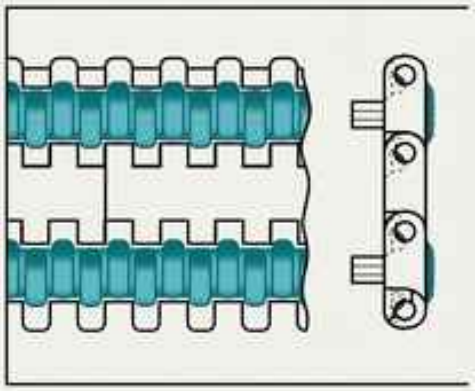
VG RUBBER INSERT BELT SURFACE



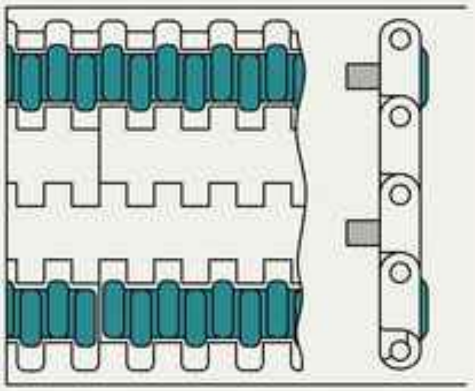
SCHEMATIC SIDE VIEWS



VG 2251 P2 – INSERT EVERY PITCH



VG2 2251 P2 – INSERT EVERY 2ND PITCH



VG3 2251 P3 – INSERT EVERY 3TH PITCH

SYSTEM PLAST

SERIES 2251 (CONT.)

BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		VG 2251 P2 – INSERT EVERY PITCH	VG2 2251 P2 – INSERT EVERY 2ND PITCH	VG3 2251 P3 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION	ITEM DESCRIPTION
85	3.35	LFG2251FT-PT-M0085VG	LFG2251FT-PT-M0085VG-2	LFG2251FT-PT-M0085VG-3
170	6.69	LFG2251FT-PT-M0170VG	LFG2251FT-PT-M0170VG-2	LFG2251FT-PT-M0170VG-3
255	10.04	LFG2251FT-PT-M0255VG	LFG2251FT-PT-M0255VG-2	LFG2251FT-PT-M0255VG-3
340	13.39	LFG2251FT-PT-M0340VG	LFG2251FT-PT-M0340VG-2	LFG2251FT-PT-M0340VG-3
425	16.73	LFG2251FT-PT-M0425VG	LFG2251FT-PT-M0425VG-2	LFG2251FT-PT-M0425VG-3
510	20.08	LFG2251FT-PT-M0510VG	LFG2251FT-PT-M0510VG-2	LFG2251FT-PT-M0510VG-3
595	23.43	LFG2251FT-PT-M0595VG	LFG2251FT-PT-M0595VG-2	LFG2251FT-PT-M0595VG-3
680	26.77	LFG2251FT-PT-M0680VG	LFG2251FT-PT-M0680VG-2	LFG2251FT-PT-M0680VG-3
765	30.12	LFG2251FT-PT-M0765VG	LFG2251FT-PT-M0765VG-2	LFG2251FT-PT-M0765VG-3
850	33.46	LFG2251FT-PT-M0850VG	LFG2251FT-PT-M0850VG-2	LFG2251FT-PT-M0850VG-3
935	36.81	LFG2251FT-PT-M0935VG	LFG2251FT-PT-M0935VG-2	LFG2251FT-PT-M0935VG-3
1020	40.16	LFG2251FT-PT-M1020VG	LFG2251FT-PT-M1020VG-2	LFG2251FT-PT-M1020VG-3
1105	43.50	LFG2251FT-PT-M1105VG	LFG2251FT-PT-M1105VG-2	LFG2251FT-PT-M1105VG-3
1190	46.85	LFG2251FT-PT-M1190VG	LFG2251FT-PT-M1190VG-2	LFG2251FT-PT-M1190VG-3
1275	50.20	LFG2251FT-PT-M1275VG	LFG2251FT-PT-M1275VG-2	LFG2251FT-PT-M1275VG-3
1360	53.54	LFG2251FT-PT-M1360VG	LFG2251FT-PT-M1360VG-2	LFG2251FT-PT-M1360VG-3
1445	56.89	LFG2251FT-PT-M1445VG	LFG2251FT-PT-M1445VG-2	LFG2251FT-PT-M1445VG-3
1530	60.24	LFG2251FT-PT-M1530VG	LFG2251FT-PT-M1530VG-2	LFG2251FT-PT-M1530VG-3
1615	63.58	LFG2251FT-PT-M1615VG	LFG2251FT-PT-M1615VG-2	LFG2251FT-PT-M1615VG-3
1700	66.93	LFG2251FT-PT-M1700VG	LFG2251FT-PT-M1700VG-2	LFG2251FT-PT-M1700VG-3
1785	70.28	LFG2251FT-PT-M1785VG	LFG2251FT-PT-M1785VG-2	LFG2251FT-PT-M1785VG-3
1870	73.62	LFG2251FT-PT-M1870VG	LFG2251FT-PT-M1870VG-2	LFG2251FT-PT-M1870VG-3

Weight: VG 2251 P2 – 13,5 Kg/m² (2.75 lbs/ft²); VG2 2251 P2 – 13,0 (2.65 lbs/ft²); VG3 2251 P3 – 12,8 Kg/m² (2.61 lbs/ft²).
Other widths available on request.

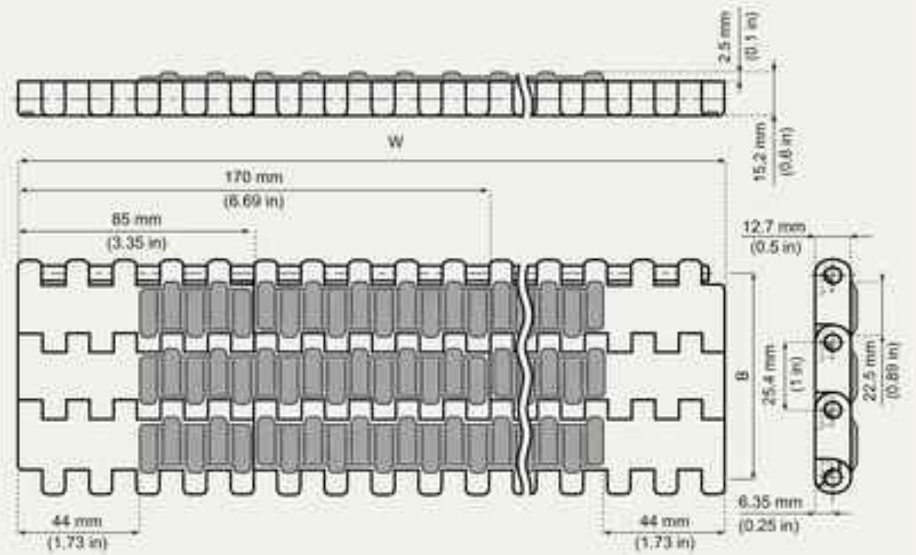
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½"), RUBBER INSERT EVERY PITCH WITH SIDE INDENT



SERIES 2251 BELT WITH RUBBER INSERT AND SIDE INDENT



BELT DIMENSIONS: WIDTH W, 85 MM (3.35 IN), 170 MM (6.69 IN), 44 MM (1.73 IN) SIDE INDENT, 2,5 MM (0.1 IN), 15,2 MM (0.6 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)

VERSION WITH SIDE INDENT

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length:

width ≤ 340 mm (13.39 in): 3,05 m (10 ft.)

width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.)

width > 935 mm (36.81 in): on request

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1") BELTS

- FT – Flat top
- FG – Flush grid
- LBP – (Low pressure)

SYSTEM PLAST

SERIES 2251 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID

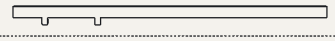


LBP – (LOW PRESSURE)

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)

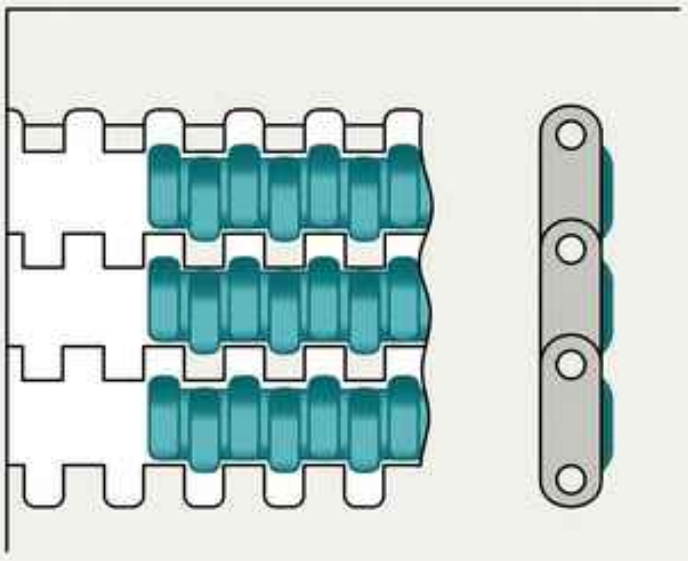


VG RUBBER INSERT BELT SURFACE



SCHEMATIC SIDE VIEWS

Information about this product is only available on our Smart Guide® website.



VGS 2251 – INSERT EVERY PITCH

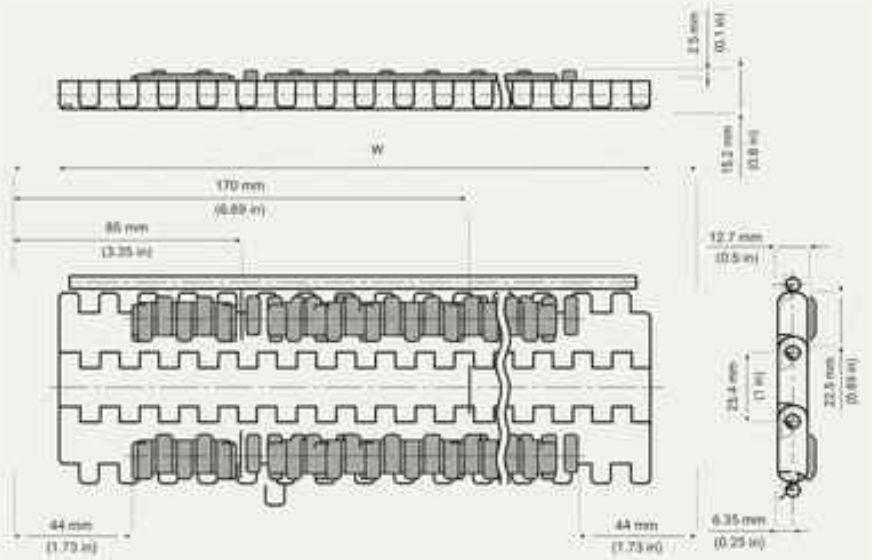
BELT WIDTHS AND ITEM DESCRIPTIONS

WIDTH W		VGS 2251 – INSERT EVERY PITCH
MM	IN	ITEM DESCRIPTION
255	10.04	LFG2251FT-M0255VGS
340	13.39	LFG2251FT-M0340VGS
425	16.73	LFG2251FT-M0425VGS
510	20.08	LFG2251FT-M0510VGS
595	23.43	LFG2251FT-M0595VGS
680	26.77	LFG2251FT-M0680VGS
765	30.12	LFG2251FT-M0765VGS
850	33.46	LFG2251FT-M0850VGS
935	36.81	LFG2251FT-M0935VGS
1020	40.16	LFG2251FT-M1020VGS
1105	43.50	LFG2251FT-M1105VGS
1190	46.85	LFG2251FT-M1190VGS
1275	50.20	LFG2251FT-M1275VGS
1360	53.54	LFG2251FT-M1360VGS
1445	56.89	LFG2251FT-M1445VGS

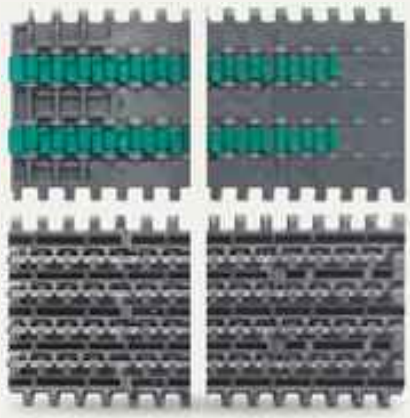
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½"), RUBBER INSERT EVERY 2ND & 3TH PITCH WITH SIDE INDENT



2251 VG BELT – TOP AND SIDE VIEWS: W WIDTH, 170 MM (6.69 IN), 85 MM (3.35 IN), 44 MM (1.73 IN), 2,5 MM (0.1 IN), 15,2 MM (0.6 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)



BELT SURFACE – RUBBER INSERT WITH SIDE INDENT

VERSION WITH SIDE INDENT

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length: width ≤ 340 mm (13.39 in): 3,05 m (10 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.); width > 935 mm (36.81 in): on request

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FT – Flat top (40440a); FG – Flush grid (40481a); LBP – Low pressure (40500a)

SYSTEM PLAST

SERIES 2251 (CONT.)



FT – FLAT TOP



FG – FLUSH GRID

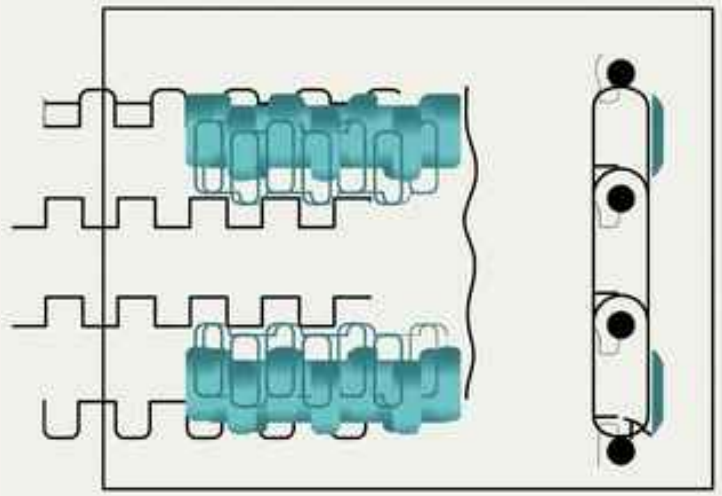


SCHEMATIC PRESENTATION OF ALL VG RUBBER INSERT BELTS

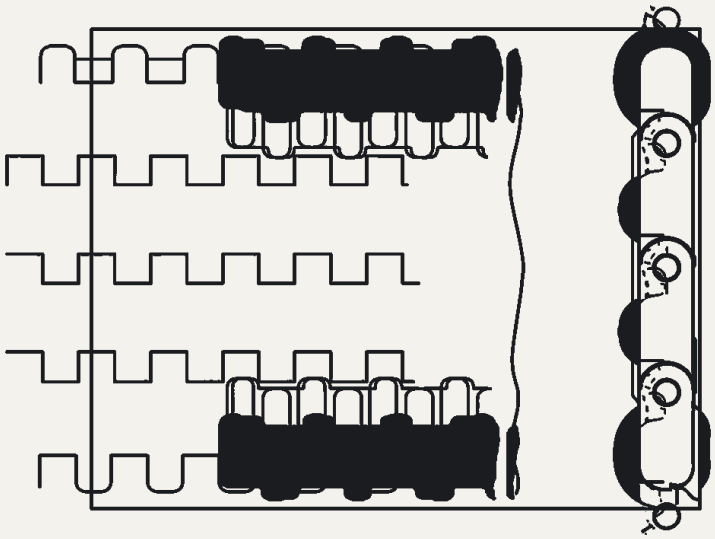


LBP – LOW PRESSURE

Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)



VGS2 2251 – INSERT EVERY 2ND PITCH



VGS3 2251 – INSERT EVERY 3TH PITCH

SYSTEM PLAST

SERIES 2251 (CONT.)

ITEM DESCRIPTION

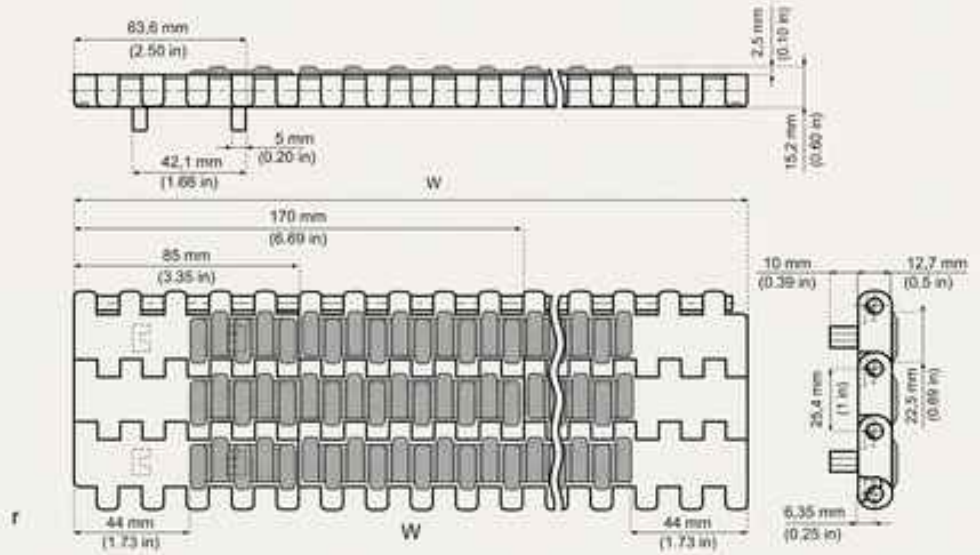
WIDTH W		VGS2 2251 – INSERT EVERY 2ND PITCH	VGS3 2251 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION
170	6.69	LFG2251FT-M0170VGS-2	LFG2251FT-M0170VGS-3
255	10.04	LFG2251FT-M0255VGS-2	LFG2251FT-M0255VGS-3
340	13.39	LFG2251FT-M0340VGS-2	LFG2251FT-M0340VGS-3
425	16.73	LFG2251FT-M0425VGS-2	LFG2251FT-M0425VGS-3
510	20.08	LFG2251FT-M0510VGS-2	LFG2251FT-M0510VGS-3
595	23.43	LFG2251FT-M0595VGS-2	LFG2251FT-M0595VGS-3
680	26.77	LFG2251FT-M0680VGS-2	LFG2251FT-M0680VGS-3
765	30.12	LFG2251FT-M0765VGS-2	LFG2251FT-M0765VGS-3
850	33.46	LFG2251FT-M0850VGS-2	LFG2251FT-M0850VGS-3
935	36.81	LFG2251FT-M0935VGS-2	LFG2251FT-M0935VGS-3
1020	40.16	LFG2251FT-M1020VGS-2	LFG2251FT-M1020VGS-3
1105	43.50	LFG2251FT-M1105VGS-2	LFG2251FT-M1105VGS-3
1190	46.85	LFG2251FT-M1190VGS-2	LFG2251FT-M1190VGS-3
1275	50.20	LFG2251FT-M1275VGS-2	LFG2251FT-M1275VGS-3
1360	53.54	LFG2251FT-M1360VGS-2	LFG2251FT-M1360VGS-3
1445	56.89	LFG2251FT-M1445VGS-2	LFG2251FT-M1445VGS-3
1530	60.24	LFG2251FT-M1530VGS-2	LFG2251FT-M1530VGS-3
1615	63.58	LFG2251FT-M1615VGS-2	LFG2251FT-M1615VGS-3
1700	66.93	LFG2251FT-M1700VGS-2	LFG2251FT-M1700VGS-3
1785	70.28	LFG2251FT-M1785VGS-2	LFG2251FT-M1785VGS-3
1870	73.62	LFG2251FT-M1870VGS-2	LFG2251FT-M1870VGS-3

Weight: VGS2 2251 – 13,0 Kg/m² (2.65 lbs/ft²); VGS3 2251 – 12,8 Kg/m² (2.61 lbs/ft²).
Other widths available on request.

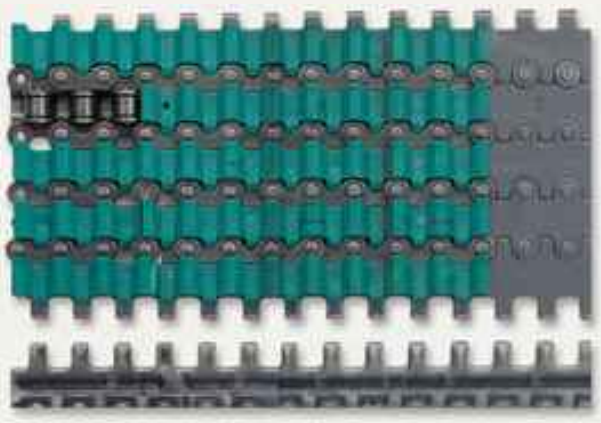
SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS – THICKNESS 12,7 MM (½"), VERSIONS WITH TWIN POSITIONERS AND SIDE INDENT / RUBBER INSERTS



2251 P2 BELT WITH TWIN POSITIONERS – TOP AND SIDE VIEWS: W WIDTH, 170 MM (6.69 IN), 85 MM (3.35 IN), 63,6 MM (2.50 IN), 42,1 MM (1.66 IN), 44 MM (1.73 IN), 5 MM (0.20 IN), 2,5 MM (0.10 IN), 15,2 MM (0.60 IN), 10 MM (0.39 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 22,5 MM (0.89 IN), 6,35 MM (0.25 IN)



BELT SURFACE – RUBBER INSERT WITH SIDE INDENT

Information about this product is only available on our Smart Guide® website.

VERSION WITH SIDE INDENT

Belt material: low friction acetal resin, grey colour

Rubber material: thermoplastic rubber, waterblue colour

Backflex radius: 30 mm (1.18 in)

Max load capacity: 38000 N/m (2600 lbs/ft.)

Pin material: PBT (white)

Standard length: width ≤ 340 mm (13.39 in): 3,05 m (10 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 1,52 m (5 ft.); width > 935 mm (36.81 in): on request

STANDARD MATERIAL

MATERIAL	DESCRIPTION
LFG (GREY)	Low friction acetal resin
TPR (WATER BLUE)	Thermoplastic rubber

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FT – Flat top (40440a); FG – Flush grid (40481a); LBP – Low pressure (40500a)

SYSTEM PLAST

SERIES 2251 (CONT.)



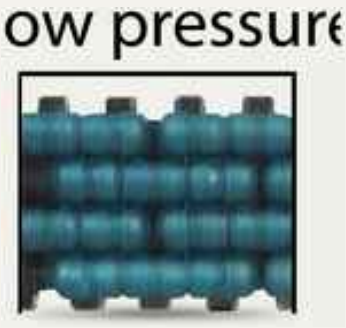
FT – FLAT TOP



FG – FLUSH GRID

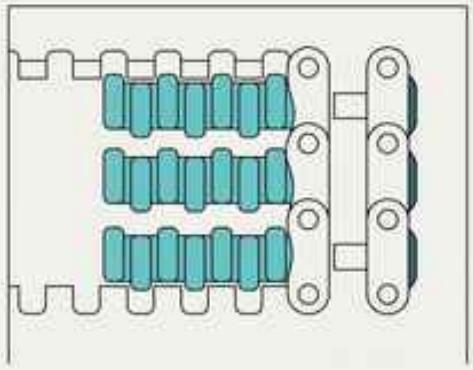


SCHEMATIC PRESENTATION OF ALL VG RUBBER INSERT BELTS

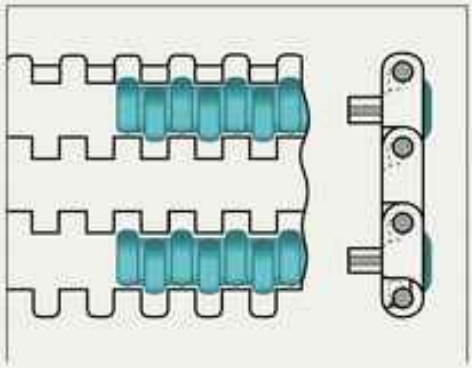


LBP – LOW PRESSURE

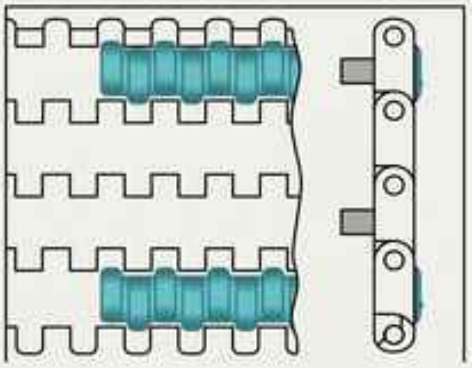
Notes: Schematic presentation of all VG rubber insert 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)



VGS 2251 P2 – INSERT EVERY PITCH



VGS2 2251 P2 – INSERT EVERY 2ND PITCH



VGS3 2251 P2 – INSERT EVERY 3TH PITCH

ITEM DESCRIPTION

WIDTH W		VGS 2251 P2 – INSERT EVERY PITCH	VGS2 2251 P2 – INSERT EVERY 2ND PITCH	VGS3 2251 P2 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION	ITEM DESCRIPTION
170	6.69	–	LFG2251FT-PT-M0170VGS-2	–
255	10.04	LFG2251FT-PT-M0255VGS	LFG2251FT-PT-M0255VGS-2	LFG2251FT-PT-M0255VGS-3
340	13.39	LFG2251FT-PT-M0340VGS	LFG2251FT-PT-M0340VGS-2	LFG2251FT-PT-M0340VGS-3
425	16.73	LFG2251FT-PT-M0425VGS	LFG2251FT-PT-M0425VGS-2	LFG2251FT-PT-M0425VGS-3
510	20.08	LFG2251FT-PT-M0510VGS	LFG2251FT-PT-M0510VGS-2	LFG2251FT-PT-M0510VGS-3

Weight: VGS 2251 P2 – 13,5 Kg/m² (2.75 lbs/ft²); VGS2 2251 P2 – 13,0 (2.65 lbs/ft²); VGS3 2251 P2 – 12,8 Kg/m² (2.61 lbs/ft²).
Other widths available on request.

SYSTEM PLAST

SERIES 2251 (CONT.)

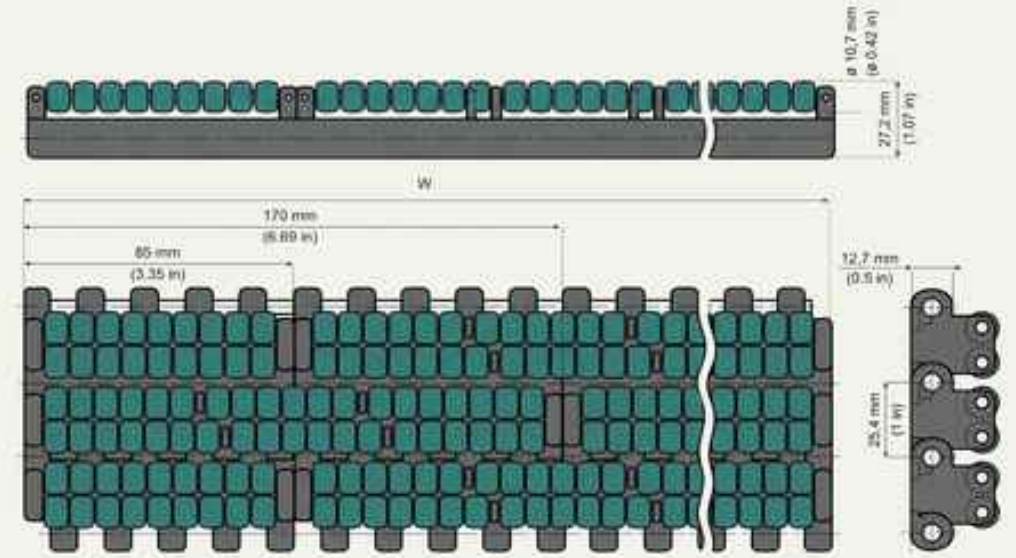
ITEM DESCRIPTION (CONT.)

WIDTH W		VGS 2251 P2 – INSERT EVERY PITCH	VGS2 2251 P2 – INSERT EVERY 2ND PITCH	VGS3 2251 P2 – INSERT EVERY 3TH PITCH
MM	IN	ITEM DESCRIPTION	ITEM DESCRIPTION	ITEM DESCRIPTION
595	23.43	LFG2251FT-PT-M0595VGS	LFG2251FT-PT-M0595VGS-2	LFG2251FT-PT-M0595VGS-3
680	26.77	LFG2251FT-PT-M0680VGS	LFG2251FT-PT-M0680VGS-2	LFG2251FT-PT-M0680VGS-3
765	30.12	LFG2251FT-PT-M0765VGS	LFG2251FT-PT-M0765VGS-2	LFG2251FT-PT-M0765VGS-3
850	33.46	LFG2251FT-PT-M0850VGS	LFG2251FT-PT-M0850VGS-2	LFG2251FT-PT-M0850VGS-3
935	36.81	LFG2251FT-PT-M0935VGS	LFG2251FT-PT-M0935VGS-2	LFG2251FT-PT-M0935VGS-3
1020	40.16	LFG2251FT-PT-M1020VGS	LFG2251FT-PT-M1020VGS-2	LFG2251FT-PT-M1020VGS-3
1105	43.50	LFG2251FT-PT-M1105VGS	LFG2251FT-PT-M1105VGS-2	LFG2251FT-PT-M1105VGS-3
1190	46.85	LFG2251FT-PT-M1190VGS	LFG2251FT-PT-M1190VGS-2	LFG2251FT-PT-M1190VGS-3
1275	50.20	LFG2251FT-PT-M1275VGS	LFG2251FT-PT-M1275VGS-2	LFG2251FT-PT-M1275VGS-3
1360	53.54	LFG2251FT-PT-M1360VGS	LFG2251FT-PT-M1360VGS-2	LFG2251FT-PT-M1360VGS-3
1445	56.89	LFG2251FT-PT-M1445VGS	LFG2251FT-PT-M1445VGS-2	LFG2251FT-PT-M1445VGS-3
1530	60.24	LFG2251FT-PT-M1530VGS	LFG2251FT-PT-M1530VGS-2	LFG2251FT-PT-M1530VGS-3
1615	63.58	LFG2251FT-PT-M1615VGS	LFG2251FT-PT-M1615VGS-2	LFG2251FT-PT-M1615VGS-3
1700	66.93	LFG2251FT-PT-M1700VGS	LFG2251FT-PT-M1700VGS-2	LFG2251FT-PT-M1700VGS-3
1785	70.28	LFG2251FT-PT-M1785VGS	LFG2251FT-PT-M1785VGS-2	LFG2251FT-PT-M1785VGS-3
1870	73.62	LFG2251FT-PT-M1870VGS	LFG2251FT-PT-M1870VGS-2	LFG2251FT-PT-M1870VGS-3

SYSTEM PLAST

SERIES 2251

25,4 MM (1") MODULAR BELTS 2251LBP – THICKNESS 12,7 MM (½"), LOW NOISE ACCUMULATION ROLLERS



2251 LBP BELT WITH ACCUMULATION ROLLERS – TOP AND SIDE VIEWS: W WIDTH, 170 MM (6.69 IN), 85 MM (3.35 IN), Ø 10,9 MM (Ø 0.43 IN), 27,2 MM (1.07 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)



LFG – 2251 LBP BELT SURFACE

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

Backflex radius: 120 mm (4.72 in)

Max load capacity: 34200 N/m (2340 lbs/ft.)

Weight: 28,8 Kg/m² (5.88 lbs/ft²)

Pin material: PBT (white)

Roller shaft material: Stainless Steel AISI 304

Standard length: width ≤ 340 mm (13.39 in): 1,52 m (5 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 0,762 m (0.03 in); width > 935 mm (36.81 in): on request

Information about this product is only available on our Smart Guide® website.

OTHER VERSIONS FOR 25,4 MM (1") BELTS

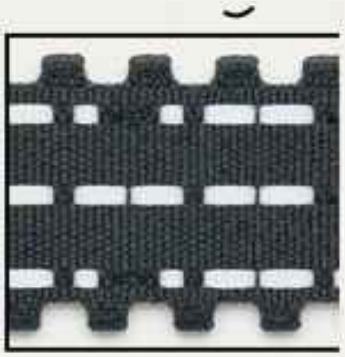
FT – Flat top (40440a); FG – Flush grid (40481a); VG – Rubber insert (40490a)

SYSTEM PLAST

SERIES 2251 (CONT.)



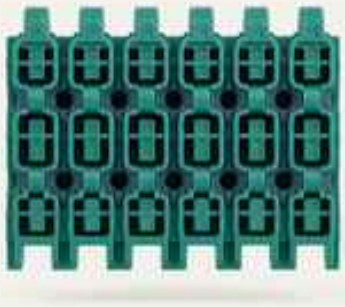
FT – FLAT TOP



FG – FLUSH GRID



SCHEMATIC PRESENTATION OF ALL LBP LOW PRESSURE BELTS



VG – RUBBER INSERT

Notes: Schematic presentation of all LBP low pressure 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)

STANDARD MATERIALS

MATERIAL	DESCRIPTION
NGE (GREY BLUE)	New Generation®
LFG (GREY)	Low friction acetal resin

ITEM DESCRIPTION

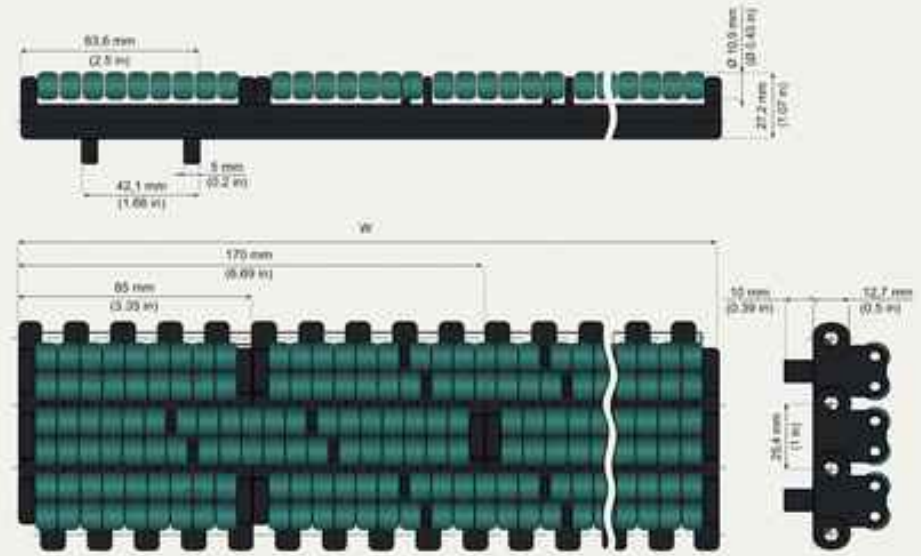
WIDTH W		ITEM DESCRIPTION	
MM	IN	NGE (GREY BLUE)	LFG (GREY)
85	3.35	NGE2251LBP-M0085	LFG2251LBP-M0085
170	6.69	NGE2251LBP-M0170	LFG2251LBP-M0170
255	10.04	NGE2251LBP-M0255	LFG2251LBP-M0255
340	13.39	NGE2251LBP-M0340	LFG2251LBP-M0340
425	16.73	NGE2251LBP-M0425	LFG2251LBP-M0425
510	20.08	NGE2251LBP-M0510	LFG2251LBP-M0510
595	23.43	NGE2251LBP-M0595	LFG2251LBP-M0595
680	26.77	NGE2251LBP-M0680	LFG2251LBP-M0680
765	30.12	NGE2251LBP-M0765	LFG2251LBP-M0765
850	33.46	NGE2251LBP-M0850	LFG2251LBP-M0850
935	36.81	NGE2251LBP-M0935	LFG2251LBP-M0935
1020	40.16	NGE2251LBP-M1020	LFG2251LBP-M1020
1105	43.50	NGE2251LBP-M1105	LFG2251LBP-M1105
1190	46.85	NGE2251LBP-M1190	LFG2251LBP-M1190
1275	50.20	NGE2251LBP-M1275	LFG2251LBP-M1275
1360	53.54	NGE2251LBP-M1360	LFG2251LBP-M1360

Wider widths available upon request. LBP belts cannot be cut-to-width.

SYSTEM PLAST

SERIES 2251

2251 LBP PT – 25,4 MM (1") MODULAR BELTS, THICKNESS 12,7 MM (½"), LOW NOISE ACCUMULATION ROLLERS



2251 LBP PT BELT WITH TWIN POSITIONERS AND ACCUMULATION ROLLERS – TOP AND SIDE VIEWS: W WIDTH, 170 MM (6.69 IN), 85 MM (3.35 IN), 63,6 MM (2.5 IN), 42,1 MM (1.66 IN), 5 MM (0.2 IN), 10 MM (0.39 IN), Ø 10,9 MM (Ø 0.43 IN), 27,2 MM (1.07 IN), 12,7 MM (0.5 IN), 25,4 MM (1 IN), 6,35 MM (0.25 IN)



2251 LBP PT BELT SURFACE

Backflex radius: 120 mm (4.72 in)

Max load capacity: 34200 N/m (2340 lbs/ft.)

Weight: 28,8 Kg/m² (5.88 lbs/ft²)

Pin material: PBT (white)

Roller shaft material: Stainless Steel AISI 304

Standard length: width ≤ 340 mm (13.39 in): 1,52 m (5 ft.); width > 340 mm (13.39 in) ≤ 935 mm (36.81 in): 0,762 m (0.03 in); width > 935 mm (36.81 in): on request

NG® EVO CONVEYOR COMPONENTS MADE FROM ENGINEERED PLASTIC RESIN

- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

OTHER VERSIONS FOR 25,4 MM (1") BELTS

FT – Flat top (40440a); FG – Flush grid (40481a); VG – Rubber insert (40490a)

SYSTEM PLAST

SERIES 2251 (CONT.)



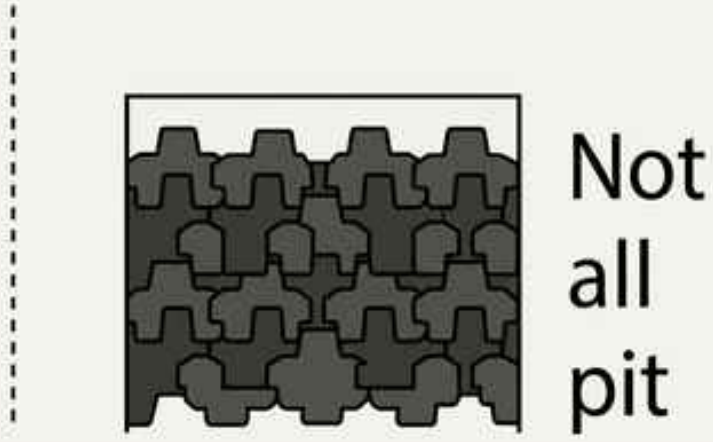
FT – FLAT TOP



FG – FLUSH GRID



VG – RUBBER INSERT



SCHEMATIC PRESENTATION OF ALL LBP LOW PRESSURE BELTS

Notes: Schematic presentation of all LBP low pressure 25,4 mm (1″) pitch belts.
Thickness: 12,7 mm (½″)

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL

MATERIAL	DESCRIPTION
NGE (GREY BLUE)	New Generation®

ITEM DESCRIPTION

WIDTH W		ITEM DESCRIPTION
MM	IN	
85	3.35	NGE2251LBP-PT-M0085
170	6.69	NGE2251LBP-PT-M0170
255	10.04	NGE2251LBP-PT-M0255
340	13.39	NGE2251LBP-PT-M0340
425	16.73	NGE2251LBP-PT-M0425
510	20.08	NGE2251LBP-PT-M0510
595	23.43	NGE2251LBP-PT-M0595
680	26.77	NGE2251LBP-PT-M0680
765	30.12	NGE2251LBP-PT-M0765
850	33.46	NGE2251LBP-PT-M0850
935	36.81	NGE2251LBP-PT-M0935
1020	40.16	NGE2251LBP-PT-M1020
1105	43.50	NGE2251LBP-PT-M1105
1190	46.85	NGE2251LBP-PT-M1190
1275	50.20	NGE2251LBP-PT-M1275
1360	53.54	NGE2251LBP-PT-M1360

Wider widths available upon request. LBP belts cannot be cut-to-width.

SYSTEM PLAST

SERIES 2251

DRIVE AND RETURN SPROCKETS

DRIVE AND RETURN SPROCKETS - FOR BELTS 2251-2252

Drive sprockets are manufactured for a tight fit on the shaft. To order single keyway sprockets capable of floating freely on the shaft, just add the letter “P” (=plus) to the existing Item description. For example, 2251-14R1.25-D**P**S

NOTES

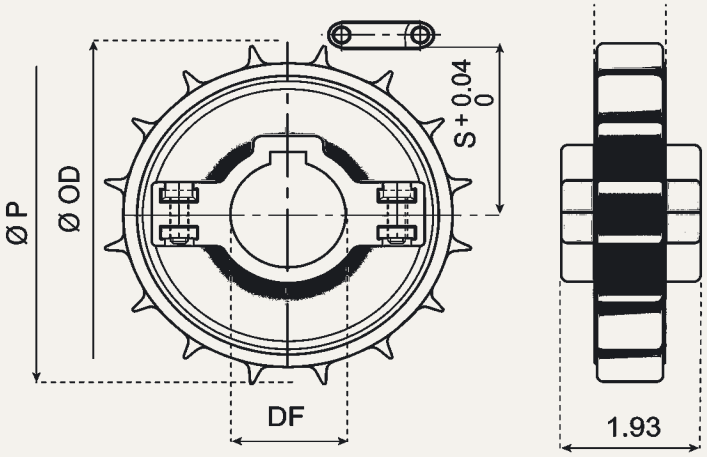
- Sprockets with single keyway can be used for belt widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).
- For wider belts or bigger temperature differences, sprockets with square bores or round bore with double keyway have to be used.

FEATURES

- Split versions: quick and easy replacement.
- Foolproof design.
- Excellent wear and chemical resistance.
- Recyclable.



2251 SPLIT DRIVE SPROCKET



SPROCKET DIMENSIONS: Ø P, Ø OD, DF, S + 0.04/0, 0.98, 1.93

SPROCKET DIMENSIONS

Z	Ø OD IN	Ø P IN	S IN
18	5.75	5.76	2.63
20	6.38	6.39	2.94

MOLDED SPROCKETS - SPLIT

Z	ITEM DESCRIPTION Ø 1¼	Ø 1½
MOLDED DRIVE SPROCKETS - SPLIT / FIXED		
18	2251-18R1.25-DS-SS	2251-18R1.5-DS-SS
20	2251-20R1.25-DS-SS	2251-20R1.5-DS-SS
MOLDED RETURN SPROCKETS - SPLIT		
18	2251-18R1.25-RS	2251-18R1.5-RS
20	2251-20R1.25-RS	2251-20R1.5-RS

Material: reinforced polyamide (black), screws in stainless steel, nuts in nickel plated brass.

SYSTEM PLAST

SERIES 2251

DRIVE AND RETURN SPROCKETS

DRIVE AND RETURN SPROCKETS - FOR BELTS 2251-2252

Drive sprockets are manufactured for a tight fit on the shaft. To order single keyway sprockets capable of floating freely on the shaft, just add the letter "P" (=plus) to the existing Item description. For example, 2251-12R1-D**P**MS

NOTES

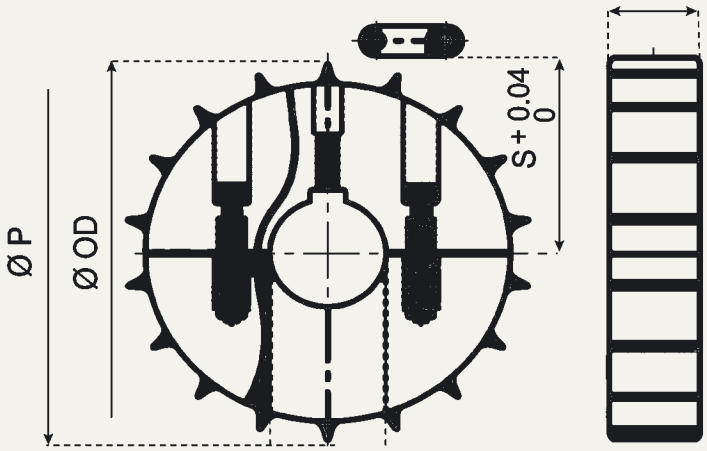
- Sprockets with single keyway can be used for belt widths up to 680 mm (27-in) and temperature differences of maximum 30°C (86°F).
- For wider belts or bigger temperature differences, sprockets with square bores or round bore with double keyway have to be used.

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



2251 MACHINED SPLIT SPROCKET



SPROCKET DIMENSIONS: Ø P, Ø OD, DF, S + 0.04/0, 0.98

SPROCKET DIMENSIONS

Z	Ø OD IN	Ø P IN	S IN
16	5.12	5.13	2.31
18	5.75	5.76	2.63
20	6.38	6.39	2.94
21	6.73	6.71	3.11

MACHINED SPROCKETS - SPLIT

Z	ITEM DESCRIPTION Ø 18* (R18M) (MM) / Ø 23* (R23M) (MM)	Ø 1	Ø 1 ¼	Ø 1 7/16	Ø 1 ½
MACHINED DRIVE SPROCKETS - SPLIT / FIXED					
16	-	2251-16R1-DMS-SS	2251-16R1.25-DMS-SS	2251-16R1.44-DMS-SS	2251-16R1.5-DMS-SS
18	-	2251-18R1-DMS-SS	2251-18R1.25-DMS-SS	2251-18R1.44-DMS-SS	2251-18R1.5-DMS-SS
20	-	2251-20R1-DMS-SS	2251-20R1.25-DMS-SS	2251-20R1.44-DMS-SS	2251-20R1.5-DMS-SS
21	-	2251-21R1-DMS-SS	2251-21R1.25-DMS-SS	2251-21R1.44-DMS-SS	2251-21R1.5-DMS-SS
MACHINED RETURN SPROCKETS - SPLIT					
16	2251-16R23M-RMS	2251-16R1-RMS	2251-16R1.25-RMS	2251-16R1.44-RMS	2251-16R1.5-RMS
18	2251-18R23M-RMS	2251-18R1-RMS	2251-18R1.25-RMS	2251-18R1.44-RMS	2251-18R1.5-RMS
20	2251-20R23M-RMS	2251-20R1-RMS	2251-20R1.25-RMS	2251-20R1.44-RMS	2251-20R1.5-RMS
21	2251-21R23M-RMS	2251-21R1-RMS	2251-21R1.25-RMS	2251-21R1.44-RMS	2251-21R1.5-RMS

*Material: polyamide (natural white), screws in stainless steel, bushings in brass. *Plain bore*

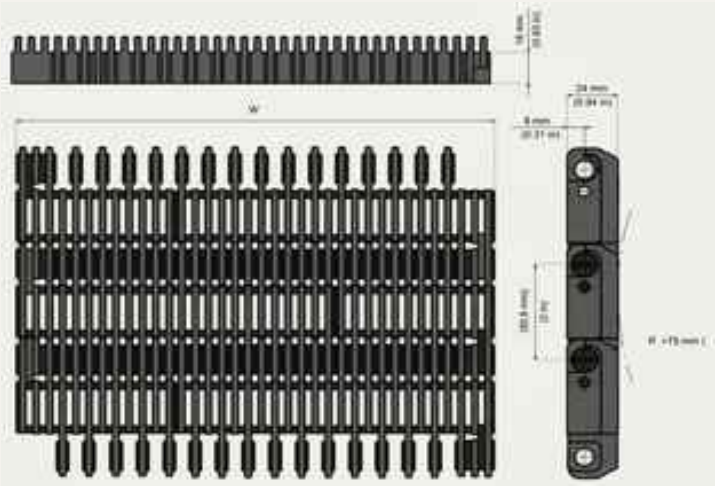
SYSTEM PLAST

SERIES 2500 (RAISED RIB)

50,8 MM (2") MODULAR BELTS 2500 – THICKNESS: 16 MM (0.63 IN)



2500 RAISED RIB BELT



BELT DIMENSIONS: W, 16 MM (0.63 IN), 24 MM (0.94 IN), 8 MM (0.31 IN), 50,8 MM (2 IN) PITCH, R = 75 MM (2.95 IN)

BELT DATA

Backflex radius: 75 mm (2.95 in)

Max load capacity: 30000 N/m (2000 lbs/ft.)

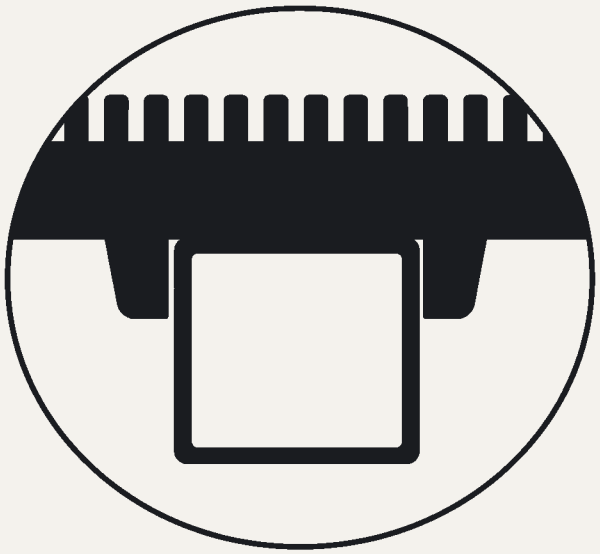
Weight: 9,2 Kg/m^2 (1.88 lbs/ft^2.)

Pin material: Polypropylene

Belt Material: Polypropylene (Dark grey)

Open Surface: 27%.

Standard length: width ≤ 15 in: 3,05 m (0.12 in); width > 15 in: 1,02 m (0.04 in)



2500RR – RAISED RIB MODULAR BELTS ARE ALSO AVAILABLE WITH POSITIONERS.



PATENTED BELT MODULE AND PIN RETENTION

Information about this product is only available on our Smart Guide® website.

STANDARD MATERIAL

PPG (DARK GREY)
Polypropylene

BELT WIDTHS

WIDTH W		ITEM DESCRIPTION
MM	IN	
229	9.00	PPG2500RR-K900
305	12.00	PPG2500RR-K1200
381	15.00	PPG2500RR-K1500
457	18.00	PPG2500RR-K1800
533	21.00	PPG2500RR-K2100

Other widths available on request.

SYSTEM PLAST

SERIES 2500 (RAISED RIB) (CONT.)

BELT WIDTHS (CONT.)

WIDTH W		ITEM DESCRIPTION
MM	IN	
610	24.00	PPG2500RR-K2400
686	27.00	PPG2500RR-K2700
762	30.00	PPG2500RR-K3000
838	33.00	PPG2500RR-K3300
914	36.00	PPG2500RR-K3600
991	39.00	PPG2500RR-K3900
1067	42.00	PPG2500RR-K4200
1143	45.00	PPG2500RR-K4500
1219	48.00	PPG2500RR-K4800
1295	51.00	PPG2500RR-K5100
1372	54.00	PPG2500RR-K5400
1448	57.00	PPG2500RR-K5700
1524	60.00	PPG2500RR-K6000
1600	63.00	PPG2500RR-K6300
1676	66.00	PPG2500RR-K6600
1753	69.00	PPG2500RR-K6900
1829	72.00	PPG2500RR-K7200
1905	75.00	PPG2500RR-K7500
1981	78.00	PPG2500RR-K7800
2057	81.00	PPG2500RR-K8100
2134	84.00	PPG2500RR-K8400
2210	87.00	PPG2500RR-K8700
2286	90.00	PPG2500RR-K9000
2362	93.00	PPG2500RR-K9300
2438	96.00	PPG2500RR-K9600
2515	99.00	PPG2500RR-K9900
2591	102.00	PPG2500RR-K10200
2667	105.00	PPG2500RR-K10500
2743	108.00	PPG2500RR-K10800
2819	111.00	PPG2500RR-K11100
2896	114.00	PPG2500RR-K11400
2972	117.00	PPG2500RR-K11700
3048	120.00	PPG2500RR-K12000
3124	123.00	PPG2500RR-K12300
3200	126.00	PPG2500RR-K12600
3277	129.00	PPG2500RR-K12900
3353	132.00	PPG2500RR-K13200
3429	135.00	PPG2500RR-K13500
3505	138.00	PPG2500RR-K13800
3581	141.00	PPG2500RR-K14100
3658	144.00	PPG2500RR-K14400
3734	147.00	PPG2500RR-K14700
3810	150.00	PPG2500RR-K15000

SYSTEM PLAST

SERIES 2500 (RAISED RIB)

COMBS FOR 2500 RR RAISED RIB BELT 2”

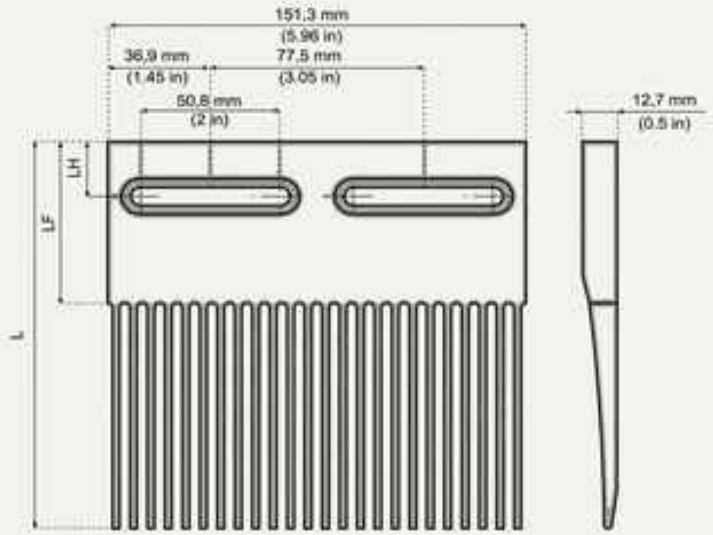
COMBS FOR 2500 RR RAISED RIB BELT 2”

ITEM DESCRIPTION	L		LF		LH	
	MM	IN	MM	IN	MM	IN
LFG-COMB2500-M152	152,4	6	63,5	2.5	21,6	0.85
LFG-COMB2500-M190	190,5	7.5	101,3	3.99	38,1	1.5
PAB-COMB2500-M165	165,1	6.5	130,8	5.15	38,1	1.5

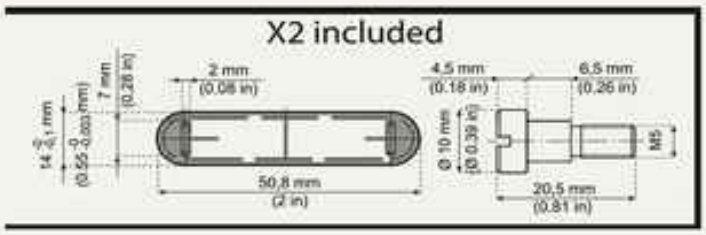
Material: LFG - Acetal, Grey. PAB - Reinforced polyamide, black.

NOTE

- Use shouldered screws (included) for fixing the comb to the conveyor construction.
- Two caps are supplied with each comb to cover the long holes.



COMB DIMENSIONS: L, LF, LH, 151,3 MM (5.96 IN), 77,5 MM (3.05 IN), 36,9 MM (1.45 IN), 50,8 MM (2 IN), 12,7 MM (0.5 IN)



X2 INCLUDED – CAP 50,8 MM (2 IN) X 14 -0/-0,1 MM, 7 MM (0.28 IN), 2 MM (0.08 IN); SHOULDER SCREW Ø 10 MM (Ø 0.39 IN), 4,5 MM (0.18 IN), 6,5 MM (0.26 IN), 20,5 MM (0.81 IN), M5

SHOULDER SCREWS

Material: stainless steel.

Shoulder screws are designed to fix the combs to the conveyor construction, but still allow for horizontal movement of the combs. This is required to follow expansion and contraction of the belt. Please consult Technical Support for optimum positioning of the screws.

SHOULDER SCREWS

ITEM DESCRIPTION
SCREW215-SS

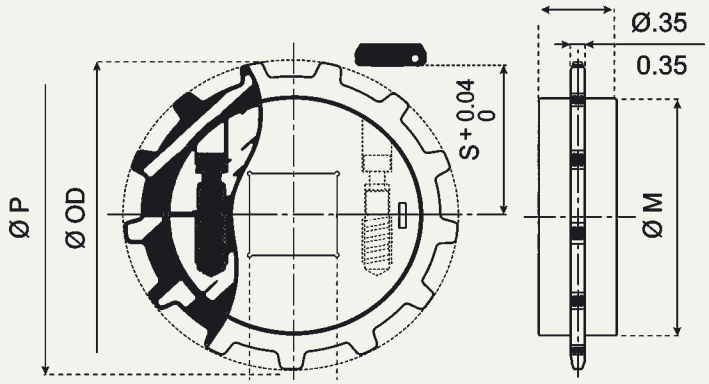
DRIVE SPROCKETS - FOR BELT 2500RR

SYSTEM PLAST

SERIES 2500 (RAISED RIB) (CONT.)

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



SPROCKET DIMENSIONS: Ø P, Ø OD, Ø M, SQ, S + 0.04/0, 1.97, 0.35

SPLIT SPROCKETS SQUARE BORE - FLOATING

Z	□ 2 X 2	□ 2 ½ X 2 ½	□ 3 ½ X 3 ½
10	2500-10S2-DMS	2500-10S2.5-DMS	-
12	2500-12S2-DMS	2500-12S2.5-DMS	2500-12S3.5-DMS
13	2500-13S2-DMS	2500-13S2.5-DMS	2500-13S3.5-DMS
14	2500-14S2-DMS	2500-14S2.5-DMS	2500-14S3.5-DMS
15	2500-15S2-DMS	2500-15S2.5-DMS	2500-15S3.5-DMS

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

SPROCKET DIMENSIONS

Z	Ø P	Ø OD	Ø M	S
	IN	IN	IN	IN
10	6.47	6.50	4.92	2.92
12	7.73	7.80	5.83	3.55
13	8.36	8.46	6.46	3.86
14	8.99	9.09	6.61	4.18
15	9.62	9.76	7.28	4.49

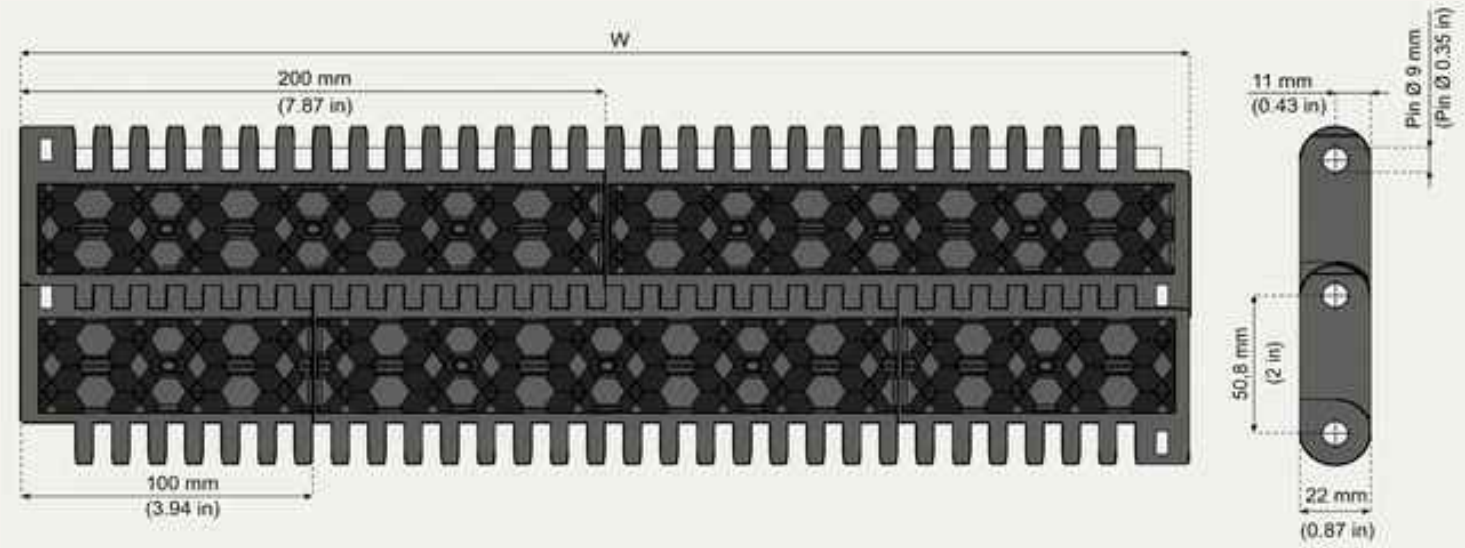
SYSTEM PLAST

SERIES 2508

50,8 MM (2”) MODULAR BELTS 2508 – THICKNESS 22 MM (0.87 IN), FLAT TOP WITH ANTI-SLIP SURFACE



BELT 2508 FLAT TOP WITH ANTI-SLIP SURFACE



BELT 2508 DIMENSIONS – 200 MM (7.87 IN) AND 100 MM (3.94 IN) MODULE WIDTHS, 50,8 MM (2 IN) PITCH, 22 MM (0.87 IN) THICKNESS

PATENTED

VERSION STANDARD (LFG MATERIAL)

Strength and weight data for other materials available on request.

Backflex radius: 55 mm (2.17 in)

Max load capacity: 80 kN/m (5440 lbs)

Weight: 22,5 kg/m^2 (4.59 lbs/ft^2)

Standard length:
width ≤ 800 mm (31.5 in): 20 pitches (1,02 m)
width > 800 mm (31.5 in): 15 pitches (0,76 m)

Pin material: PBT (white). Steel pins optionally available.

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2508 (CONT.)

MATERIALS

MATERIAL	DESCRIPTION
STANDARD MATERIAL	
LFG (GREY)	Low friction acetal resin
ALSO AVAILABLE INTO	
PPLG (LIGHT GREY)	Polypropylene
POM-AS (BLACK)	Anti-static acetal
PP-FR-EC (BLACK)	Flame retardant electrically conductive polypropylene

BELT WIDTHS & ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
300	11.81	LFG2508FTS-M0300
400	15.75	LFG2508FTS-M0400
500	19.69	LFG2508FTS-M0500
600	23.62	LFG2508FTS-M0600
700	27.56	LFG2508FTS-M0700
800	31.50	LFG2508FTS-M0800
900	35.43	LFG2508FTS-M0900
1000	39.37	LFG2508FTS-M1000
1100	43.31	LFG2508FTS-M1100
1200	47.24	LFG2508FTS-M1200
1300	51.18	LFG2508FTS-M1300
1400	55.12	LFG2508FTS-M1400
1500	59.06	LFG2508FTS-M1500
1600	62.99	LFG2508FTS-M1600
1700	66.93	LFG2508FTS-M1700
1800	70.87	LFG2508FTS-M1800
1900	74.80	LFG2508FTS-M1900
2000	78.74	LFG2508FTS-M2000
2100	82.68	LFG2508FTS-M2100
2200	86.61	LFG2508FTS-M2200
2300	90.55	LFG2508FTS-M2300
2400	94.49	LFG2508FTS-M2400
2500	98.43	LFG2508FTS-M2500
2600	102.36	LFG2508FTS-M2600
2700	106.30	LFG2508FTS-M2700
2800	110.24	LFG2508FTS-M2800
2900	114.17	LFG2508FTS-M2900
3000	118.11	LFG2508FTS-M3000
3100	122.05	LFG2508FTS-M3100
3200	125.98	LFG2508FTS-M3200
3300	129.92	LFG2508FTS-M3300
3400	133.86	LFG2508FTS-M3400
3500	137.80	LFG2508FTS-M3500
3600	141.73	LFG2508FTS-M3600

Other widths available on request.

BELT WIDTHS & ITEM DESCRIPTIONS (CONT.)

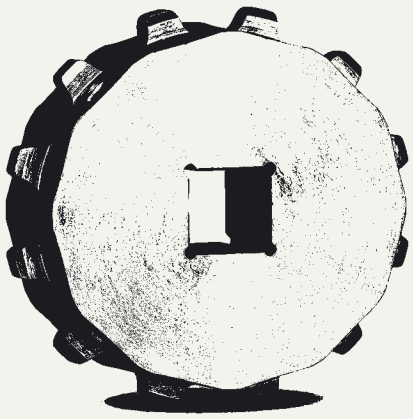
WIDTH W		ITEM DESCRIPTION
MM	IN	
3700	145.67	LFG2508FTS-M3700
3800	149.61	LFG2508FTS-M3800
3900	153.54	LFG2508FTS-M3900
4000	157.48	LFG2508FTS-M4000
4100	161.42	LFG2508FTS-M4100
4200	165.35	LFG2508FTS-M4200
4300	169.29	LFG2508FTS-M4300

SYSTEM PLAST

SERIES 2508

SPROCKETS

The sprockets for 2508 series have a polygonal shape to provide optimum belt support. This is important for belts that have a large pitch and work with very high loads.



MOULDED SPROCKET FOR BELT 2508

FEATURES

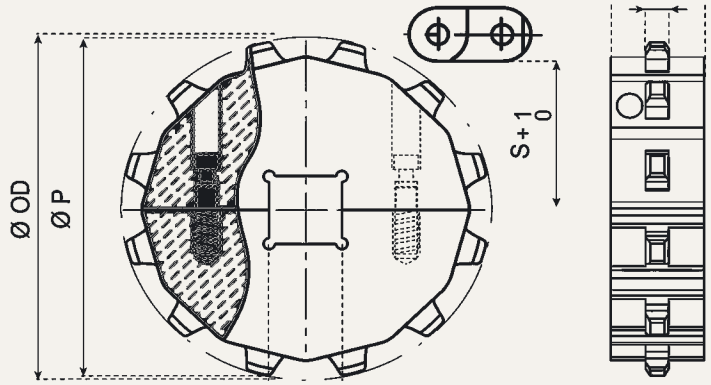
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

FEATURES

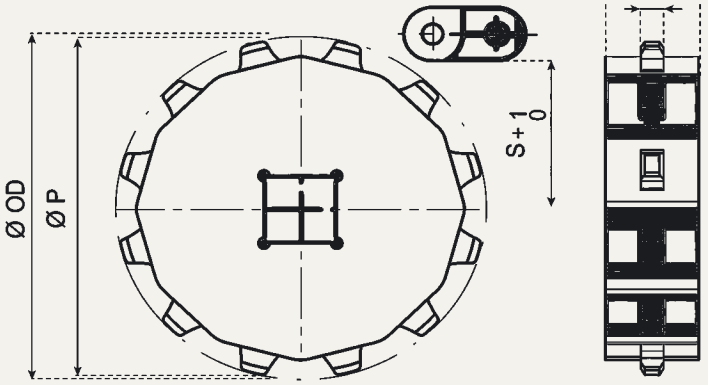
- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

MACHINED SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
10	6.31	6.47	2.82
12	7.62	7.73	3.45
16	10.21	10.25	4.71



SPLIT MACHINED SPROCKET – Ø OD, Ø P, SQ BORE, S +1/+0, 1.93 AND 0.48 WIDTHS



ONE-PIECE MACHINED SPROCKET – Ø OD, Ø P, SQ BORE, S +1/+0, 1.93 AND 0.48 WIDTHS

MACHINED DRIVE SPROCKETS SQUARE BORE - SPLIT (FLOATING)

Z	Ø 1 ½ X 1 ½	Ø 2 ½ X 2 ½
	ITEM DESCRIPTION	
12	2508-12S1.5-DMS	2508-12S2.5-DMS
16	2508-16S1.5-DMS	2508-16S2.5-DMS

MACHINED DRIVE SPROCKETS SQUARE BORE - ONE PIECE (FLOATING)

Z	Ø 1 ½ X 1 ½	Ø 2 ½ X 2 ½
	ITEM DESCRIPTION	
10	2508-10S1.5-DM	2508-10S2.5-DM

MACHINED DRIVE SPROCKETS - SPLIT (FIXED)

Z	Ø 1 ½	Ø 2	Ø 2 ½
	ITEM DESCRIPTION		
12	2508-12R1.5-DMS-SS	2508-12R2-DMS-SS	2508-12R2.5-DMS-SS
16	2508-16R1.5-DMS-SS	2508-16R2-DMS-SS	2508-16R2.5-DMS-SS

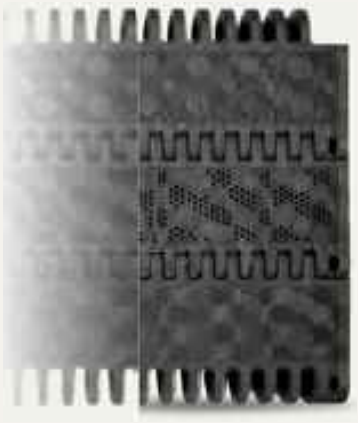
MACHINED DRIVE SPROCKETS - ONE PIECE (TIGHT)

Z	Ø 1 ½	Ø 2	Ø 2 ½
	ITEM DESCRIPTION		
10	2508-10R1.5-DM-SS	2508-10R2-DM-SS	2508-10R2.5-DM-SS

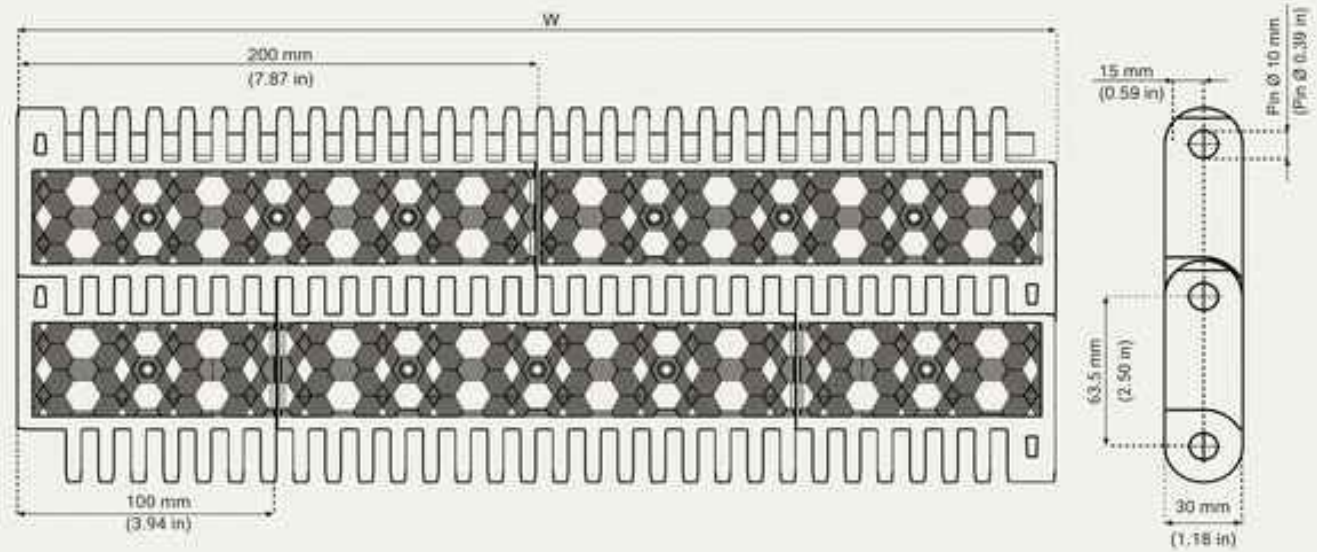
SYSTEM PLAST

SERIES 2630

63,5 MM (2½") MODULAR BELTS 2630 – THICKNESS 30 MM (1.18 IN), FLAT TOP WITH ANTI-SLIP SURFACE



BELT 2630 FLAT TOP WITH ANTI-SLIP SURFACE



BELT 2630 DIMENSIONS – 200 MM (7.87 IN) AND 100 MM (3.94 IN) MODULE WIDTHS, 63,5 MM (2.50 IN) PITCH, 30 MM (1.18 IN) THICKNESS

PATENTED

VERSION STANDARD (LFG MATERIAL)

Strength and weight data for other materials available on request.

Backflex radius: 60 mm (2.36 in)

Max load capacity: 115 kN/m (7800 lbs)

Weight: 29,5 kg/m^2 (6.02 lbs/ft^2)

Standard length:
width ≤ 800 mm (31.5 in): 16 pitches (1,02 m)
width > 800 mm (31.5 in): 12 pitches (0,76 m)

Pin material: PBT (white). Steel pins optionally available.

Information about this product is only available on our Smart Guide® website.

SYSTEM PLAST

SERIES 2630 (CONT.)

MATERIALS

MATERIAL	DESCRIPTION
STANDARD MATERIAL	
LFG (GREY)	Low friction acetal resin
ALSO AVAILABLE INTO	
PPLG (COLOR LIGHT GREY)	Polypropylene
POM-AS (BLACK)	Anti-static acetal
PP-FR-EC (BLACK)	Flame retardant electrically conductive polypropylene

BELT WIDTHS & ITEM DESCRIPTIONS

WIDTH W		ITEM DESCRIPTION
MM	IN	
100	3.94	LFG2630FTS-M0100
300	11.81	LFG2630FTS-M0300
400	15.75	LFG2630FTS-M0400
500	19.69	LFG2630FTS-M0500
600	23.62	LFG2630FTS-M0600
700	27.56	LFG2630FTS-M0700
800	31.50	LFG2630FTS-M0800
900	35.43	LFG2630FTS-M0900
1000	39.37	LFG2630FTS-M1000
1100	43.31	LFG2630FTS-M1100
1200	47.24	LFG2630FTS-M1200
1300	51.18	LFG2630FTS-M1300
1400	55.12	LFG2630FTS-M1400
1500	59.06	LFG2630FTS-M1500
1600	62.99	LFG2630FTS-M1600
1700	66.93	LFG2630FTS-M1700
1800	70.87	LFG2630FTS-M1800
1900	74.80	LFG2630FTS-M1900
2000	78.74	LFG2630FTS-M2000
2100	82.68	LFG2630FTS-M2100
2200	86.61	LFG2630FTS-M2200
2300	90.55	LFG2630FTS-M2300
2400	94.49	LFG2630FTS-M2400
2500	98.43	LFG2630FTS-M2500
2600	102.36	LFG2630FTS-M2600
2700	106.30	LFG2630FTS-M2700
2800	110.24	LFG2630FTS-M2800
2900	114.17	LFG2630FTS-M2900
3000	118.11	LFG2630FTS-M3000
3100	122.05	LFG2630FTS-M3100
3200	125.98	LFG2630FTS-M3200
3300	129.92	LFG2630FTS-M3300
3400	133.86	LFG2630FTS-M3400
3500	137.80	LFG2630FTS-M3500

Other widths available on request.

BELT WIDTHS & ITEM DESCRIPTIONS (CONT.)

WIDTH W		ITEM DESCRIPTION
MM	IN	
3600	141.73	LFG2630FTS-M3600
3700	145.67	LFG2630FTS-M3700
3800	149.61	LFG2630FTS-M3800
3900	153.54	LFG2630FTS-M3900
4000	157.48	LFG2630FTS-M4000
4100	161.42	LFG2630FTS-M4100
4200	165.35	LFG2630FTS-M4200

SYSTEM PLAST

SERIES 2630

SPROCKETS

The sprockets for 2630 series have a polygonal shape to provide optimum belt support. This is important for belts that have a large pitch and work with very high loads.

FEATURES

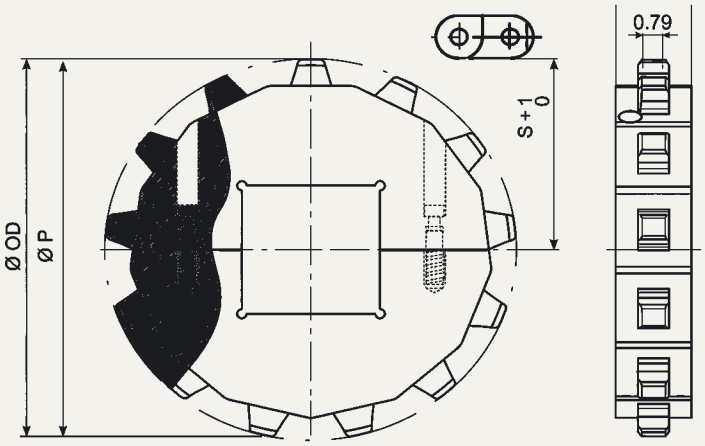
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



MOULDED SPROCKET FOR BELT 2630

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.



SPLIT MACHINED SPROCKET – Ø OD, Ø P, SQ BORE, S +1/+0, 1.93 AND 0.79 WIDTHS

MACHINED DRIVE SPROCKETS SQUARE BORE - SPLIT (FLOATING)

Z	ITEM DESCRIPTION	
	Ø 2 ½ X 2 ½	Ø 3 ½ X 3 ½
10	2630-10S2.5-DMS	–
13	2630-13S2.5-DMS	2630-13S3.5-DMS
15	2630-15S2.5-DMS	2630-15S3.5-DMS

Material: polyamide (natural white), screws in stainless steel, bushings in brass.

MACHINED SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	S (IN)
10	8.01	8.09	3.47
13	10.41	10.45	4.65
15	12.03	12.02	5.44

On request we can also provide machined sprockets with a different number of teeth or a different bore size.

SYSTEM PLAST

CHAINBELT (2250/2251/2260)

25,4 MM (1”) CHAINBELT FOR MAGNETIC CURVES

2260 M FT

NG® evo conveyor components made from engineered plastic resin

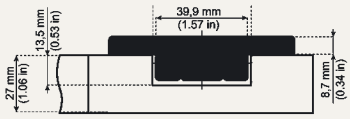
- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....

APPLICATIONS

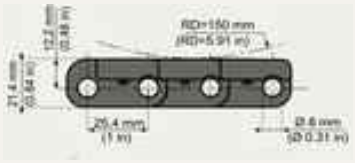
The chainbelt magnetic system with closed top plates is best suited for conveying glass and pet containers (for example PET bottles with petaloid base).



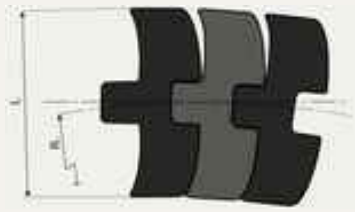
2260 M FT CHAINBELT – LFG



2260 M FT CROSS-SECTION: 45 MM (1.77 IN) OVER RAILS, 39,9 MM (1.57 IN), 13,5 MM (0.53 IN), 27 MM (1.06 IN), 8,7 MM (0.34 IN)



2260 M FT TOP VIEW: PITCH 25,4 MM (1 IN), 21,4 MM (0.84 IN), 12,2 MM (0.48 IN), PIN Ø 8 MM (Ø 0.31 IN), RD = 150 MM (RD = 5.91 IN)



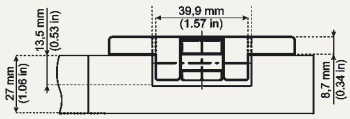
2260 M FT BELT IN A CURVE – WIDTH L, RADIUS R, ANGLE A

2260 M FG

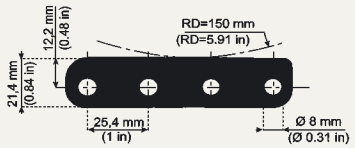
Applications: Flush grid chainbelt for magnetic system with 20% open area is ideal for can conveying applications.



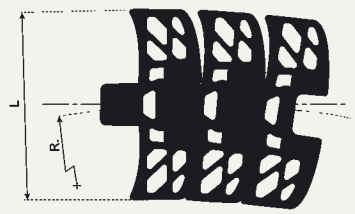
2260 M FG FLUSH GRID CHAINBELT – LFG



2260 M FG CROSS-SECTION: 45 MM (1.77 IN) OVER RAILS, 39,9 MM (1.57 IN), 13,5 MM (0.53 IN), 27 MM (1.06 IN), 8,7 MM (0.34 IN)



2260 M FG TOP VIEW: PITCH 25,4 MM (1 IN), 21,4 MM (0.84 IN), 12,2 MM (0.48 IN), PIN Ø 8 MM (Ø 0.31 IN), RD = 150 MM (RD = 5.91 IN)



2260 M FG BELT IN A CURVE – WIDTH L, RADIUS R

2251 M FT

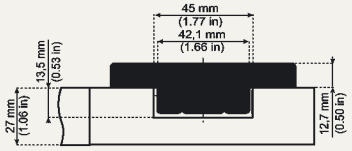
Nolu-S™ curves are strongly recommended with these chains!

SYSTEM PLAST

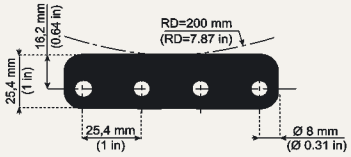
CHAINBELT (2250/2251/2260) (CONT.)



2251 M FT CHAINBELT – LFG



2251 M FT CROSS-SECTION: 45 MM (1.77 IN) OVER RAILS, 42,1 MM (1.66 IN), 13,5 MM (0.53 IN), 27 MM (1.06 IN), 12,7 MM (0.50 IN)



2251 M FT TOP VIEW: PITCH 25,4 MM (1 IN), 25,4 MM (1 IN), 16,2 MM (0.64 IN), PIN Ø 8 MM (Ø 0.31 IN), RD = 200 MM (RD = 7.87 IN)


2251 M FT BELT IN A CURVE – WIDTH L, RADIUS R

Information about this product is only available on our Smart Guide® website.

25,4 MM (1") CHAINBELT FOR MAGNETIC CURVES

ITEM DESCRIPTION	MATERIAL	WIDTH L		R MIN.	WEIGHT	
		MM	IN		KG/M	LBS/FT.
2260 M FT						
LFG2260FT-M-K330	LFG Grey	83,8	3.3	500	1,7	1.14
NGE2260FT-M-K330	NGE Grey Blue	83,8	3.3	500	1,7	1.14
2260 M FG						
LFG2260FG-M-K330	LFG Grey	83,8	3.3	500	1,6	1.07
NGE2260FG-M-K330	NGE Grey Blue	83,8	3.3	500	1,6	1.07
2251 M FT						
LFG2251FT-M-K330	LFG Grey	83,8	3.3	500	1,9	1.27
NGE2251FT-M-K330	NGE Grey Blue	83,8	3.3	500	1,9	1.27
LFG2251FT-M-K450	LFG Grey	114,3	4.5	500	2,2	1.48
NGE2251FT-M-K450	NGE Grey Blue	114,3	4.5	500	2,2	1.48

Pin Material: Martensitic Stainless Steel
Standard length: 120 pitches (3,05 m – 10 ft.)
Max load capacity: (LFG-FT): 2000N (450lbs) – (LFG-FG): 1900N (425lbs)

STANDARD MATERIALS

MATERIAL	DESCRIPTION
NGE (GREY BLUE)	New Generation®
LFG (GREY)	Low friction acetal resin

SYSTEM PLAST

CHAINBELT (2250/2251/2260)

25,4 MM (1") CHAINBELT – VERSIONS WITH TABS

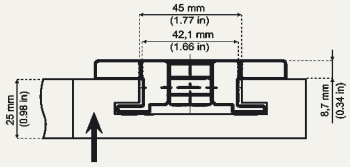
2250 TAB FT

Applications: The chainbelt magnetic system with closed top plates is best suited for conveying glass and PET containers (for example PET bottles with petaloid base).

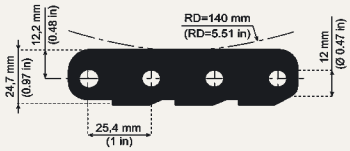
Pin material: Austenic Steel



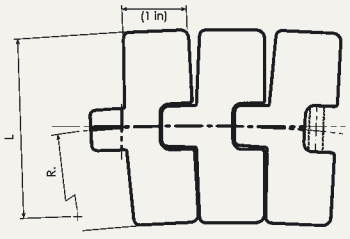
2250 TAB FT CHAINBELT – LFG



2250 TAB FT CROSS-SECTION ON STANDARD TRACKS FOR TAB SYSTEM: 45 MM (1.77 IN), 42,1 MM (1.66 IN), 25 MM (0.98 IN), 8,7 MM (0.34 IN)



2250 TAB FT TOP VIEW: PITCH 25,4 MM (1 IN), 24,7 MM (0.97 IN), 12,2 MM (0.48 IN), 12 MM (Ø 0.47 IN), RD = 140 MM (RD = 5.51 IN)



2250 TAB FT BELT IN A CURVE – WIDTH L, RADIUS R, ANGLE A

Nolu-S™ curves are strongly recommended with these chains!

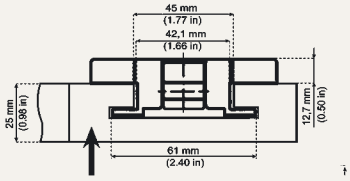
2251 TAB FT

NG® evo conveyor components made from engineered plastic resin

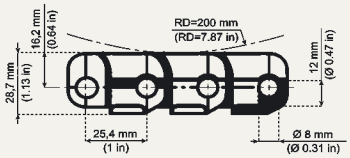
- Longest life
- Lowest friction
- Good chemical resistance
- High abrasion resistance
- It meets the requirement for materials as stated by EC1935/2004 and FDA CFR21 norms for direct food contact
- Less dust than with acetal chains
- More.....



2251 TAB FT CHAINBELT – LFG



2251 TAB FT CROSS-SECTION ON STANDARD TRACKS FOR TAB SYSTEM: 45 MM (1.77 IN), 42,1 MM (1.66 IN), 61 MM (2.40 IN), 25 MM (0.98 IN), 12,7 MM (0.50 IN)



2251 TAB FT TOP VIEW: PITCH 25,4 MM (1 IN), 28,7 MM (1.13 IN), 16,2 MM (0.64 IN), 12 MM (Ø 0.47 IN), PIN Ø 8 MM (Ø 0.31 IN), RD = 200 MM (RD = 7.87 IN)



2251 TAB FT BELT IN A CURVE – WIDTH L, RADIUS R

APPLICATIONS

The chainbelt with closed top plates is best suited for conveying glass and PET containers (for example PET bottles with petaloid base).

Information about this product is only available on our Smart Guide® website.

25,4 MM (1") CHAINBELT - VERSIONS WITH TABS

ITEM DESCRIPTION	MATERIAL	WIDTH L		R MIN.	WEIGHT	
		MM	IN		KG/M	LBS/FT.
2250 TAB FT						
LFG2250FT-TAB-K330	LFG Grey	83,8	3.3	500	1,75	1.17
NGE2250FT-TAB-K330	NGE Grey Blue	83,8	3.3	500	1,75	1.17
LFG2250FT-TAB-K450	LFG Grey	114,3	4.5	500	2,04	1.37
NGE2250FT-TAB-K450	NGE Grey Blue	114,3	4.5	500	2,04	1.37
2251 TAB FT						

SYSTEM PLAST

CHAINBELT (2250/2251/2260)

DRIVE AND RETURN SPROCKETS FOR CHAINBELTS 1" PITCH (25,4 MM)

DRIVE AND RETURN SPROCKETS

For chainbelts 1" pitch (25,4 mm): 2250 TAB FT - 2251 M FT - 2251 TAB FT - 2260 M FT - 2260 M FG

FEATURES

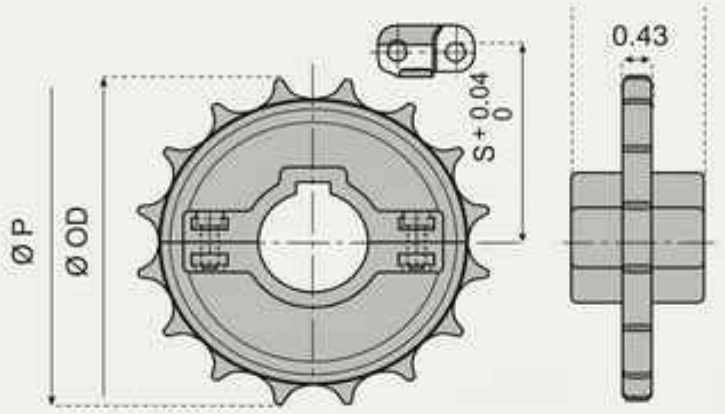
- Split versions: quick and easy replacement.
- Foolproof design.
- Excellent wear and chemical resistance.
- Recyclable.



MOLDED SPLIT SPROCKET (REINFORCED POLYAMIDE, BLACK)

SPROCKET DIMENSIONS

Z	Ø OD (IN)	Ø P (IN)	Ø M (IN)	S (IN)
16	5.15	5.13	3.54	2.67
18	5.78	5.76	4.33	2.98
19	6.15	6.07	4.33	3.17



MOLDED SPLIT SPROCKET DIMENSIONS – Ø P, Ø OD, DF, S + 0.04/0, HUB 1.93 AND 0.43

MOLDED SPROCKETS - SPLIT

Z	1 ¼	1 ½
	ITEM DESCRIPTION	
MOLDED DRIVE SPROCKETS - SPLIT / FIXED		
16	2260-16R1.25-DS-SS	2260-16R1.5-DS-SS
18	2260-18R1.25-DS-SS	2260-18R1.5-DS-SS
19	2260-19R1.25-DS-SS	2260-19R1.5-DS-SS
MOLDED RETURN SPROCKETS - SPLIT		
16	2260-16R1.25-RS	2260-16R1.5-RS
18	2260-18R1.25-RS	2260-18R1.5-RS
19	2260-19R1.25-RS	2260-19R1.5-RS

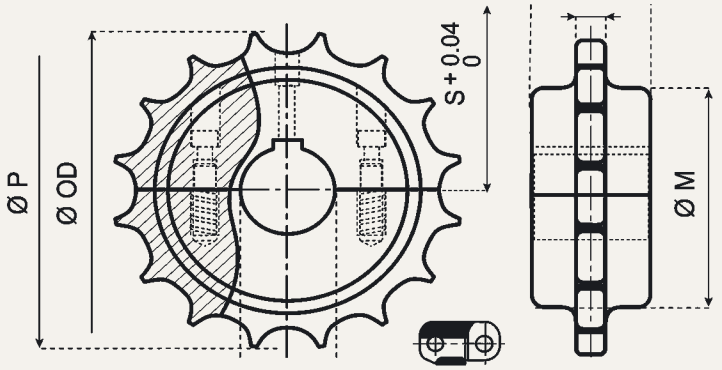
Material: reinforced polyamide (black), screws in stainless steel, nuts in nickel plated brass.

SYSTEM PLAST

CHAINBELT (2250/2251/2260) (CONT.)



MACHINED SPLIT SPROCKET (POLYAMIDE, NATURAL WHITE)



MACHINED SPLIT SPROCKET DIMENSIONS – Ø P, Ø OD, Ø M, DF, S + 0.04/0, HUB 1.77 AND 0.43

FEATURES

- Very high strength.
- Split versions: quick and easy replacement.
- Foolproof design.
- Completely closed structure, easy to clean and to disinfect.
- Excellent wear and chemical resistance.
- Recyclable.

MACHINED SPROCKETS - SPLIT

Z	Ø 23* (MM)	Ø 1	Ø 1 ¼	Ø 1 7/16	Ø 1 ½	Ø 1 ¾
	ITEM DESCRIPTION					
MACHINED DRIVE SPROCKETS - SPLIT / FIXED						
16	-	2260-16R1-DMS-SS	2260-16R1.25-DMS-SS	2260-16R1.44-DMS-SS	2260-16R1.5-DMS-SS	2260-16R1.75-DMS-SS
18	-	2260-18R1-DMS-SS	2260-18R1.25-DMS-SS	2260-18R1.44-DMS-SS	2260-18R1.5-DMS-SS	2260-18R1.75-DMS-SS
19	-	2260-19R1-DMS-SS	2260-19R1.25-DMS-SS	2260-19R1.44-DMS-SS	2260-19R1.5-DMS-SS	2260-19R1.75-DMS-SS
MACHINED RETURN SPROCKETS - SPLIT						
16	2260-16R23M-RMS	2260-16R1-RMS	2260-16R1.25-RMS	2260-16R1.44-RMS	2260-16R1.5-RMS	2260-16R1.75-RMS
18	2260-18R23M-RMS	2260-18R1-RMS	2260-18R1.25-RMS	2260-18R1.44-RMS	2260-18R1.5-RMS	2260-18R1.75-RMS
19	2260-19R23M-RMS	2260-19R1-RMS	2260-19R1.25-RMS	2260-19R1.44-RMS	2260-19R1.5-RMS	2260-19R1.75-RMS

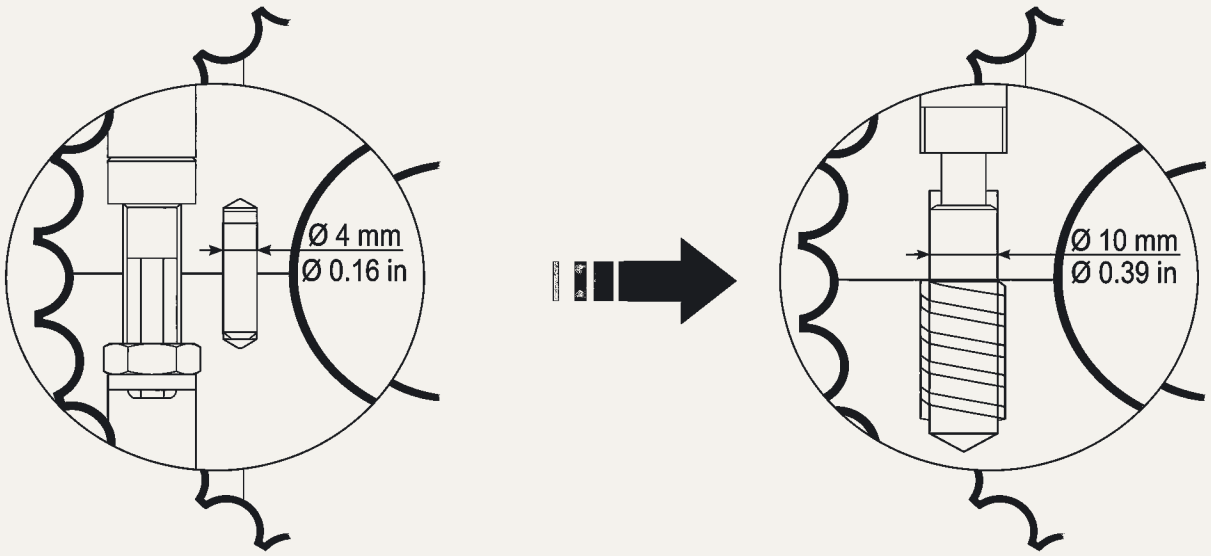
Material: polyamide (natural white), screws in stainless steel, bushings in brass.
** Plain bore*

SYSTEM PLAST

ADDITIONAL INFORMATION

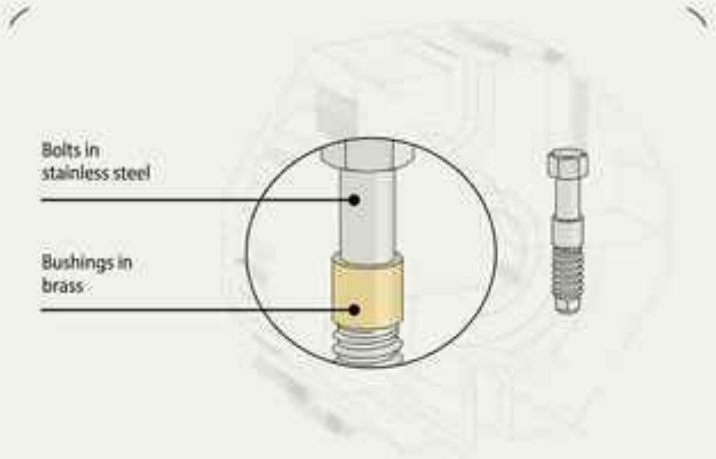
SPROCKETS WITH BUSHINGS CONCEPT / DETAILS

- No rotation of nuts inside plastic.
- Fail safe disassembling.
- Quick and easy replacement.



TRADITIONAL BUSHING (Ø 4 MM / Ø 0.16 IN) COMPARED WITH THE NEW BUSHING (Ø 10 MM / Ø 0.39 IN)

- Reduced number of holes providing: better hygiene, easier access, less tooth perforation.
- Completely closed structure, easy to clean and to disinfect.



BOLTS IN STAINLESS STEEL AND BUSHINGS IN BRASS

SYSTEM PLAST

ADDITIONAL INFORMATION

MOLDED SPROCKETS 2120-2250 SNAP CONCEPT / DETAILS



MOLDED SPROCKET SNAP CONCEPT – WIDER TEETH, T-SNAP LIP, SELF-RETAINING BOLTS AND NUTS

The molded sprockets for our 2120-2250 series plastic modular belts have been improved. In comparison to the previous sprocket design. The new sprockets offer following benefits:

LONGER LIFE

The sprocket teeth have been enlarged by 8% (2250 only) to better transfer the load from sprocket to belt. This will also result in a longer wear life of sprocket and belt. Moreover, a new material is used, which is more stable in all application conditions and offers increased impact resistance.

EASIER USE OF SHAFT COLLARS

Shaft collars can now be used more easily. Hub width has been slightly reduced from 1.93 in to 1.87 in. Now, all our standard shaft collars can be used in combination with these sprockets, even on conveyors with 3.35 in center-to-center distance.

SIMPLER INSTALLATION

Bolts and nuts can be inserted in the proper seats with a small interference, designed to avoid losing these parts during assembly/disassembly. There will be no more time lost due to bolts or nuts falling to the floor while installing a sprocket. The new and unique snap-fastening system is another feature that makes sprocket assembly much easier. The T-shaped lip at the edge of the sprocket half, simply snaps into its counterpart in the other half. When put around the shaft, the two halves will stick together even without fixing the bolts and nuts.

IMPROVED STRENGTH AND WEAR LIFE

The design of the rib structure, especially around the hub, has been optimized. This has resulted in improved strength and reduced weight at the same time. The improved roundness results in a smoother belt operation.

NEW SNAP-FASTENING SYSTEM

The new and unique snap-fastening system makes sprocket assembly faster and easier. Besides, the strength has been improved by adding a T-shaped rib and a new design of the hub area.



2120 AND 2250 SPROCKET HALVES – PARTS SNAP TOGETHER WITHOUT FIXING BOLTS



T-SNAP LIP

NOTE

SYSTEM PLAST

ADDITIONAL INFORMATION

BRAND

MOVEX

MODULAR BELTS SERIES 260 – 600

684 Series 510
685 Series 520
698 Series 590
702 Series 525
712 Series 530
718 Series 550
730 Series 551
743 Series 552
753 Series 556
757 Series 600
770 500 RR
775 Series 260
776 Series 261

MOVEX

SERIES 510

510 FT

510 FT

Modular Belt Series 510 FT, H=6 M=3"

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

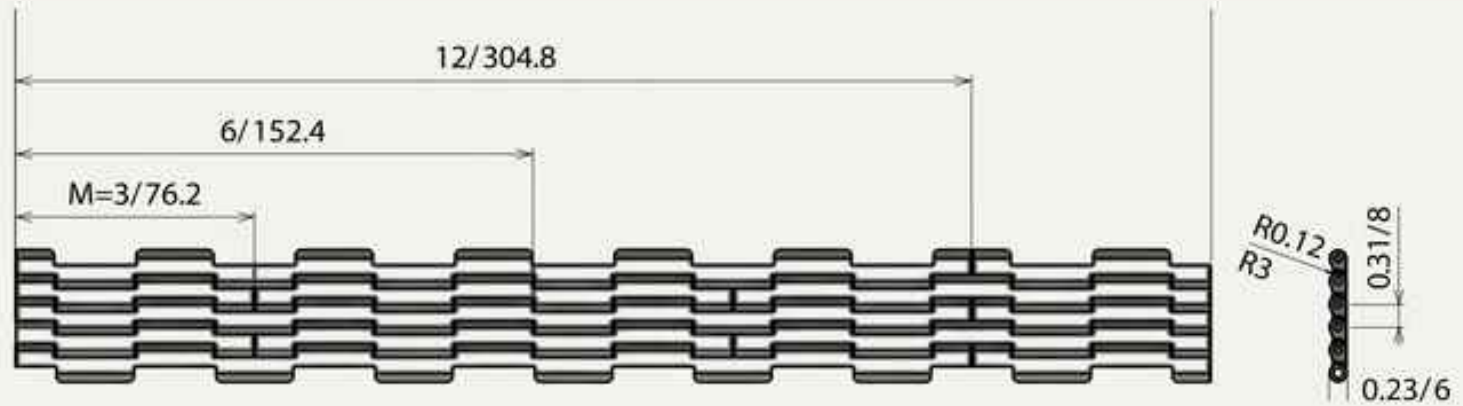
SERIES	* MATERIAL	WIDTH	VERSION
5331	01	0012	A



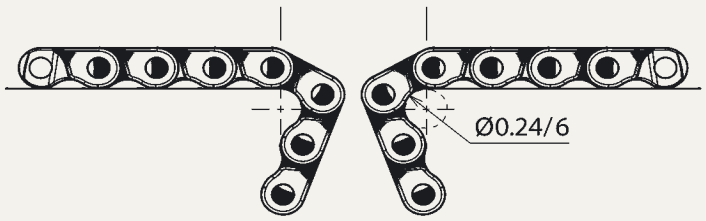
SERIES 510 FT MODULAR BELT

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	205 LBS/FT / 3000 N/m	1.19 LBS/FT² / 5,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	185 LBS/FT / 2700 N/m	1.13 LBS/FT² / 5,5 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 12/304.8, 6/152.4, M=3/76.2, 0.31/8, 0.23/6, R0.12, R3 (IN/MM)



HINGE AND PIN DETAIL – 0.87/22, Ø0.24/6 (IN/MM)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5331	*	0003	A
5331	*	0006	A
5331	*	0009	A
5331	*	0012	A
5331	*	0015	A
5331	*	0018	A
5331	*	0021	A
5331	*	0024	A

MOVEX

SERIES 520

520 FT MODULAR BELTS

520 FT

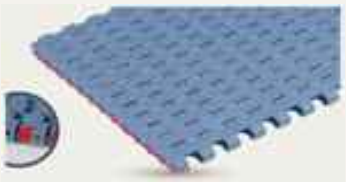
Modular Belt Series 520 FT, H=8,7 M=85

Backflex radius min. (in-min): 0.39/10

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5201	03	0340	C



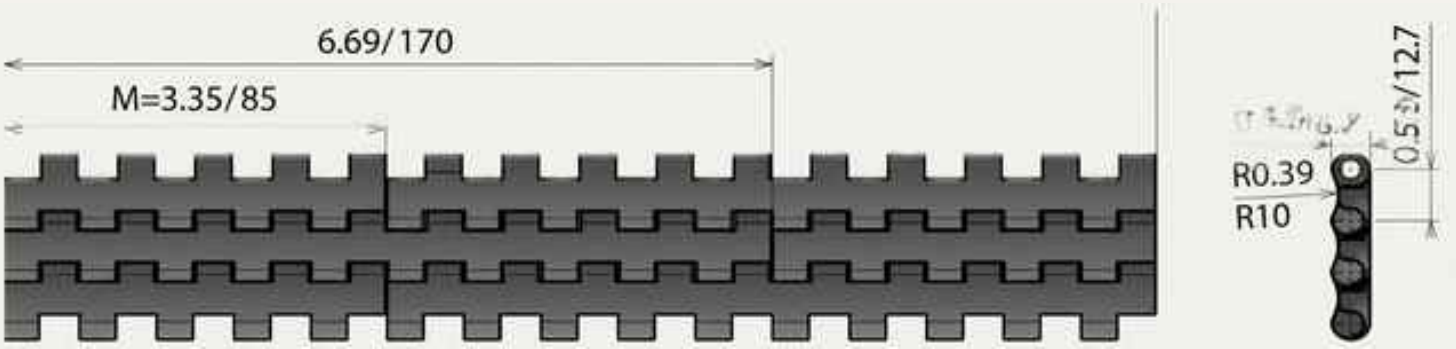
SERIES 520 FT MODULAR BELT



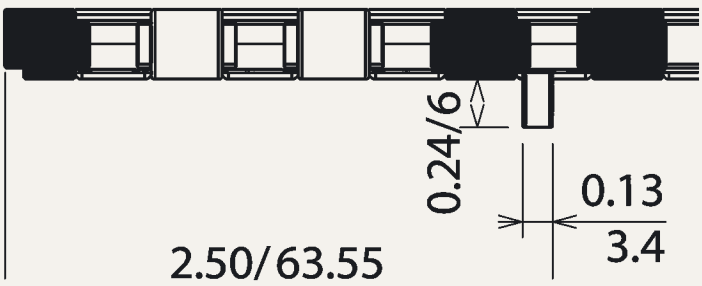
BELT LINK DETAIL

* MATERIAL

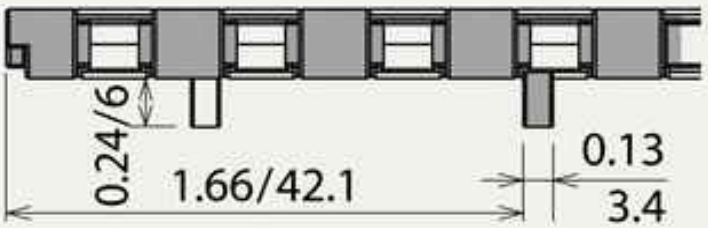
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1200 LBS/FT / 17500 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1475 LBS/FT / 21500 N/m	1.66 LBS/FT² / 8,1 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.34/8.7, 0.50/12.7, R0.39, R10 (IN/MM)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.24/6, 0.13, 3.4



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.24/6, 0.13, 3.4

MOVEX

SERIES 520 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5201	*	0085	A
5201	*	0170	A
5201	*	0255	A
5201	*	0340	A
5201	*	0425	A
5201	*	0510	A
5201	*	0595	A
5201	*	0680	A
5201	*	0765	A
5201	*	0850	A
5201	*	0935	A
5201	*	1020	A
5201	*	1105	A
5201	*	1190	A
5201	*	1275	A
5201	*	1360	A
5201	*	1445	A
5201	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5201	*	0085	B
5201	*	0170	B
5201	*	0255	B
5201	*	0340	B
5201	*	0425	B
5201	*	0510	B
5201	*	0595	B
5201	*	0680	B
5201	*	0765	B
5201	*	0850	B
5201	*	0935	B
5201	*	1020	B
5201	*	1105	B
5201	*	1190	B
5201	*	1275	B
5201	*	1360	B
5201	*	1445	B
5201	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5201	*	0085	C
5201	*	0170	C
5201	*	0255	C
5201	*	0340	C
5201	*	0425	C
5201	*	0510	C
5201	*	0595	C
5201	*	0680	C
5201	*	0765	C
5201	*	0850	C
5201	*	0935	C
5201	*	1020	C
5201	*	1105	C
5201	*	1190	C
5201	*	1275	C
5201	*	1360	C
5201	*	1445	C
5201	*	1530	C

MOVEX

SERIES 520

520 FTT MODULAR BELTS

520 FTT

Modular Belt Series 520 FTT, H=8,7 M=85

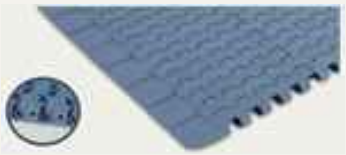
Backflex radius min. (in-min): 0.39/10

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5206	01	0170	CN

*Series see pg. 180-181; * Material see pg. 380>386*



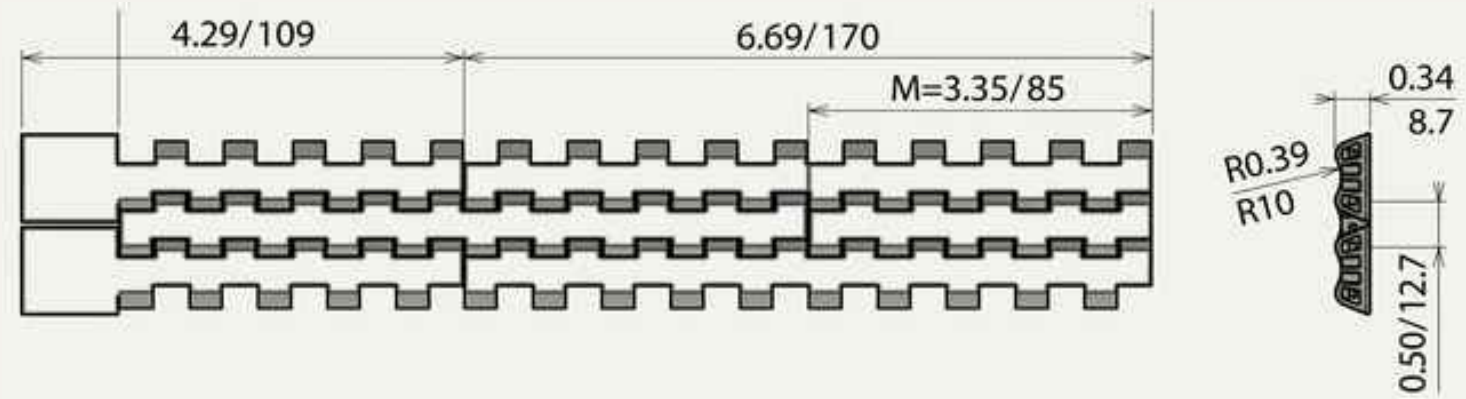
SERIES 520 FTT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1200 LBS/FT / 17500 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1475 LBS/FT / 21500 N/m	1.66 LBS/FT² / 7,8 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION C: BELT CROSS-SECTION. 10.04/255, 4.29/109, 6.69/170, M=3.35/85, 0.34, 8.7, R0.39, R10, 0.50/12.7 (IN/MM)



VERSION CN – NEAR: R1.97, R50, 0.13/3.4, 0.24/6, 1.66/42.1, 2.50/63.55 (IN/MM)

MOVEX

SERIES 520 (CONT.)



VERSION CO – OPPOSITE: R1.97, R50, 0.13/3.4, 0.24/6, 1.66/42.1, 2.50/63.55 (IN/MM)

VERSION C

SERIES	MATERIAL	WIDTH	VERSION
5206	*	0085	C

VERSION CO - OPPOSITE

SERIES	MATERIAL	WIDTH	VERSION
5206	*	0170	CO
5206	*	0255	CO

VERSION CN - NEAR

SERIES	MATERIAL	WIDTH	VERSION
5206	*	0170	CN
5206	*	0255	CN

MOVEX

SERIES 520

520 FG MODULAR BELTS – OPEN SURFACE 25%

520 FG

Open Surface 25%

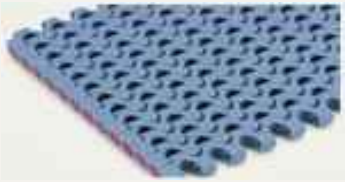
Modular Belt Series 520 FG, H=8,7 M=85

Backflex radius min. (in-min): 0.39/10

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5202	01	0765	A



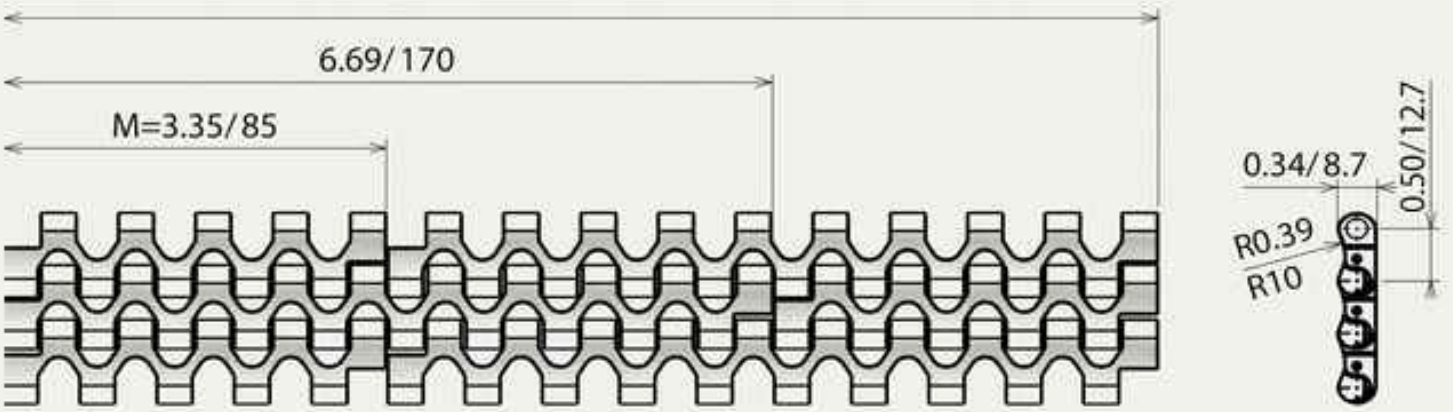
SERIES 520 FG MODULAR BELT



BELT LINK DETAIL

* MATERIAL

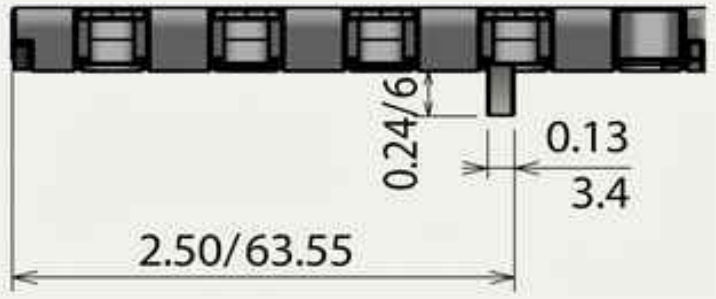
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1200 LBS/FT / 17500 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1475 LBS/FT / 21500 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1475 LBS/FT / 21500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1475 LBS/FT / 21500 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



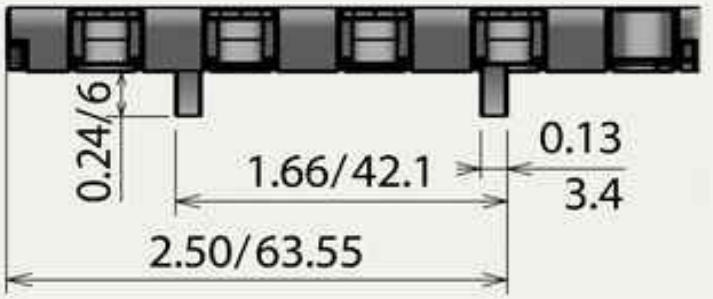
VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.34/8.7, 0.50/12.7, R0.39, R10 (IN/MM)

MOVEX

SERIES 520 (CONT.)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.24/6, 0.13, 3.4



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.24/6, 0.13, 3.4

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5202	*	0085	A
5202	*	0170	A
5202	*	0255	A
5202	*	0340	A
5202	*	0425	A
5202	*	0510	A
5202	*	0595	A
5202	*	0680	A
5202	*	0765	A
5202	*	0850	A
5202	*	0935	A
5202	*	1020	A
5202	*	1105	A
5202	*	1190	A
5202	*	1275	A
5202	*	1360	A
5202	*	1445	A
5202	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5202	*	0085	B
5202	*	0170	B
5202	*	0255	B
5202	*	0340	B
5202	*	0425	B
5202	*	0510	B
5202	*	0595	B
5202	*	0680	B
5202	*	0765	B
5202	*	0850	B
5202	*	0935	B
5202	*	1020	B
5202	*	1105	B
5202	*	1190	B
5202	*	1275	B
5202	*	1360	B
5202	*	1445	B
5202	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5202	*	0085	C
5202	*	0170	C
5202	*	0255	C
5202	*	0340	C
5202	*	0425	C
5202	*	0510	C
5202	*	0595	C
5202	*	0680	C
5202	*	0765	C
5202	*	0850	C
5202	*	0935	C
5202	*	1020	C
5202	*	1105	C
5202	*	1190	C
5202	*	1275	C
5202	*	1360	C

MOVEX

SERIES 520

520 GT MODULAR BELTS

520 GT

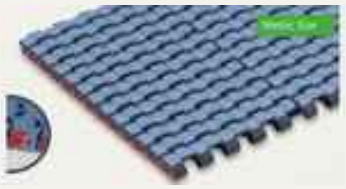
Modular Belt Series 520 GT, H=8,7 M=85

Backflex radius min. (in-min): 0.78/20

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5203	02	0510	B



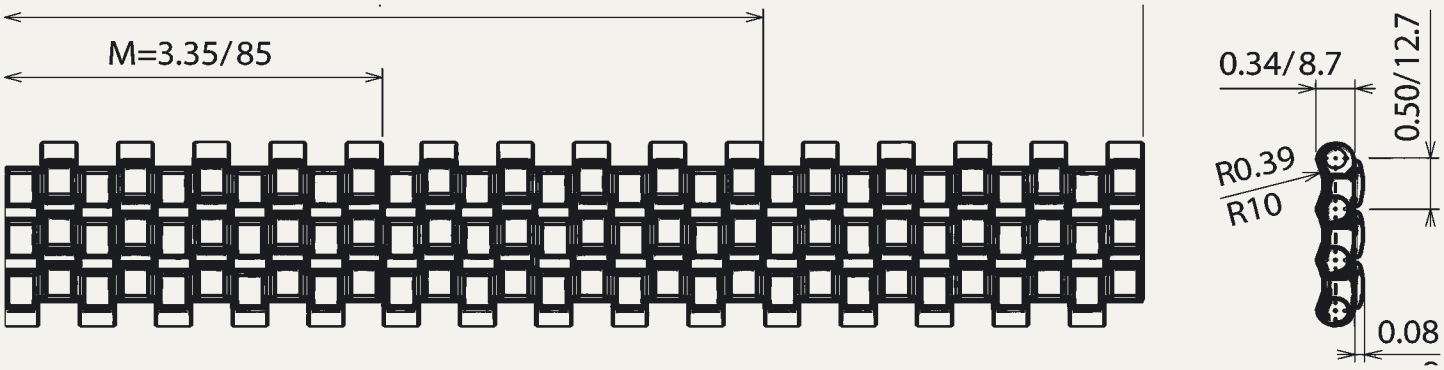
SERIES 520 GT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

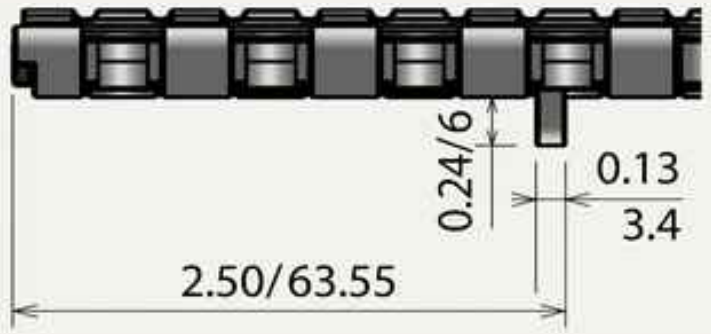
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	1.84 LBS/FT² / 9,0 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	75 ShA
PP - Code 02 – Polypropylene	890 LBS/FT / 13000 N/m	1.54 LBS/FT² / 7,5 kg/m²	39.2÷176°F / 4÷80 °C	39.2÷149°F / 4÷65 °C	PP blu	75 ShA
MX - Code 03 – Performance PBT	1200 LBS/FT / 17500 N/m	1.90 LBS/FT² / 9,3 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	75 ShA



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.34/8.7, 0.50/12.7, R0.39, R10, 0.08/2 (IN/MM)

MOVEX

SERIES 520 (CONT.)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.24/6, 0.13, 3.4



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.24/6, 0.13, 3.4

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5203	*	0085	A
5203	*	0170	A
5203	*	0255	A
5203	*	0340	A
5203	*	0425	A
5203	*	0510	A
5203	*	0595	A
5203	*	0680	A
5203	*	0765	A
5203	*	0850	A
5203	*	0935	A
5203	*	1020	A
5203	*	1105	A
5203	*	1190	A
5203	*	1275	A
5203	*	1360	A
5203	*	1445	A
5203	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5203	*	0085	B
5203	*	0170	B
5203	*	0255	B
5203	*	0340	B
5203	*	0425	B
5203	*	0510	B
5203	*	0595	B
5203	*	0680	B
5203	*	0765	B
5203	*	0850	B
5203	*	0935	B
5203	*	1020	B
5203	*	1105	B
5203	*	1190	B
5203	*	1275	B
5203	*	1360	B
5203	*	1445	B
5203	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5203	*	0085	C
5203	*	0170	C
5203	*	0255	C
5203	*	0340	C
5203	*	0425	C
5203	*	0510	C
5203	*	0595	C
5203	*	0680	C
5203	*	0765	C
5203	*	0850	C
5203	*	0935	C
5203	*	1020	C
5203	*	1105	C
5203	*	1190	C
5203	*	1275	C

MOVEX

SERIES 520

520 LBP MODULAR BELTS

520 LBP

Modular Belt Series 520 LBP, H=8,7 M=85

Backflex radius min. (in-min): 2.56/65

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

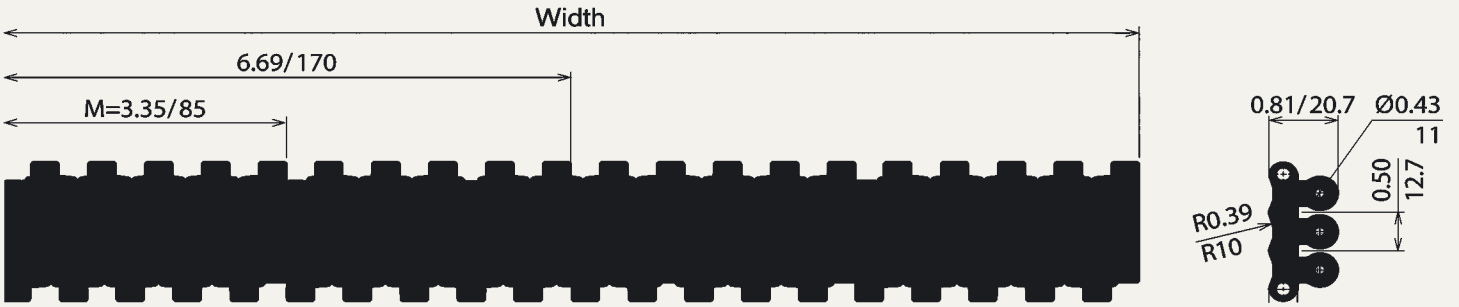
SERIES	* MATERIAL	WIDTH	VERSION
5204	01	1530	C



SERIES 520 LBP MODULAR BELT



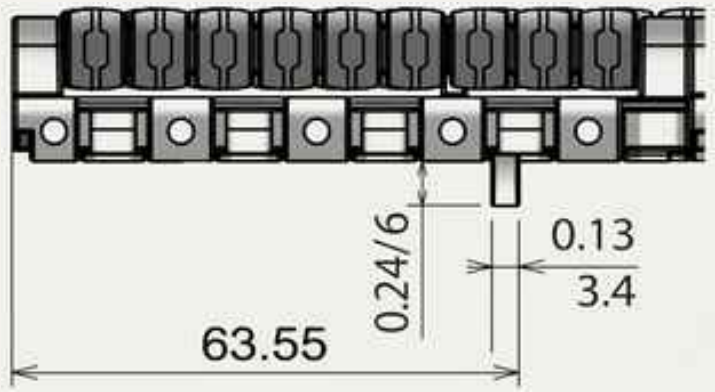
BELT LINK DETAIL



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.81/20.7, Ø0.43/11, 0.50/12.7, 0.34/8.7, R0.39, R10 (IN/MM)

* MATERIAL

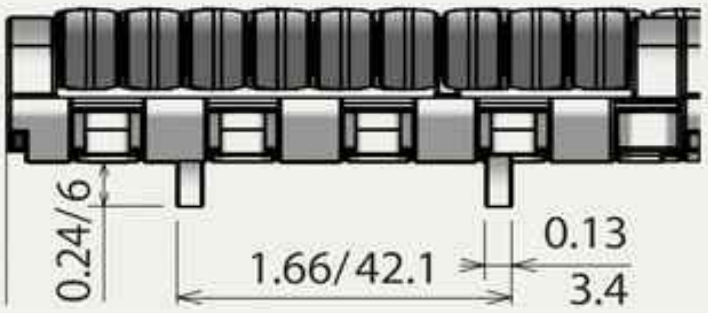
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	4.91 LBS/FT² / 24,0 kg/m²	-40÷176°F / -40÷80 °C	33.8÷149°F / 1÷65 °C	PBT white



VERSION B – WITH 1 POSITIONER: 63.55, 0.24/6, 0.13, 3.4

MOVEX

SERIES 520 (CONT.)



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.24/6, 0.13, 3.4

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5204	*	0085	A
5204	*	0170	A
5204	*	0255	A
5204	*	0340	A
5204	*	0425	A
5204	*	0510	A
5204	*	0595	A
5204	*	0680	A
5204	*	0765	A
5204	*	0850	A
5204	*	0935	A
5204	*	1020	A
5204	*	1105	A
5204	*	1190	A
5204	*	1275	A
5204	*	1360	A
5204	*	1445	A
5204	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5204	*	0085	B
5204	*	0170	B
5204	*	0255	B
5204	*	0340	B
5204	*	0425	B
5204	*	0510	B
5204	*	0595	B
5204	*	0680	B
5204	*	0765	B
5204	*	0850	B
5204	*	0935	B
5204	*	1020	B
5204	*	1105	B
5204	*	1190	B
5204	*	1275	B
5204	*	1360	B
5204	*	1445	B
5204	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5204	*	0085	C
5204	*	0170	C
5204	*	0255	C
5204	*	0340	C
5204	*	0425	C
5204	*	0510	C
5204	*	0595	C
5204	*	0680	C
5204	*	0765	C
5204	*	0850	C
5204	*	0935	C
5204	*	1020	C
5204	*	1105	C
5204	*	1190	C
5204	*	1275	C
5204	*	1360	C
5204	*	1445	C
5204	*	1530	C

MOVEX

SERIES 520

521 FT

521 FT

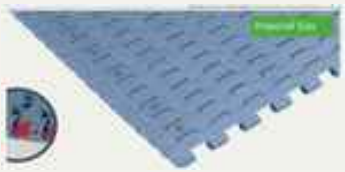
Modular Belt Series 520 GT, H=8,7 M=85

Backflex radius min. (in-min): 0.39/10

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5311	01	9750	C



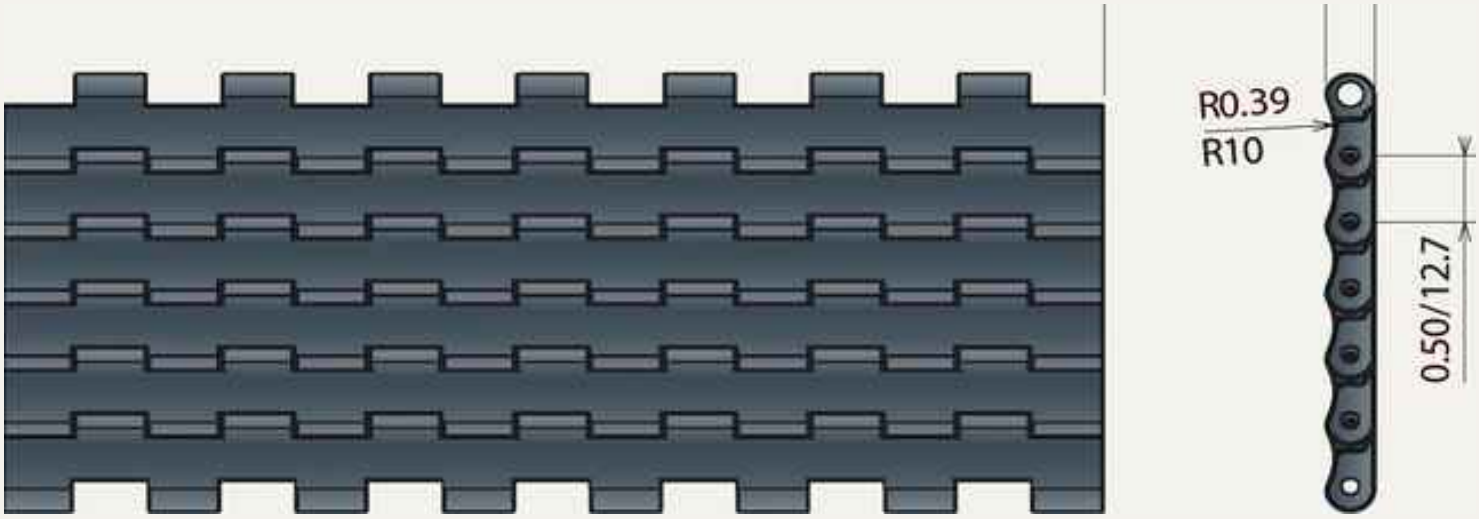
SERIES 521 FT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1475 LBS/FT / 21500 N/m	1.64 LBS/FT² / 8,0 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1200 LBS/FT / 17500 N/m	1.60 LBS/FT² / 7,8 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1475 LBS/FT / 21500 N/m	1.64 LBS/FT² / 8,0 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1475 LBS/FT / 21500 N/m	1.70 LBS/FT² / 8,3 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1475 LBS/FT / 21500 N/m	1.64 LBS/FT² / 8,0 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT TOP VIEW AND PIN-ROW SECTION. M=7.50/190.5, 0.34/8.7, R0.39 / R10, 0.50/12.7 (IN/MM)



VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5311	*	9750	A

MOVEX

SERIES 520

590 FT

590 FT

Modular Belt Series 590 FT, H=8,7 M=3″

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5301	01	0009	C



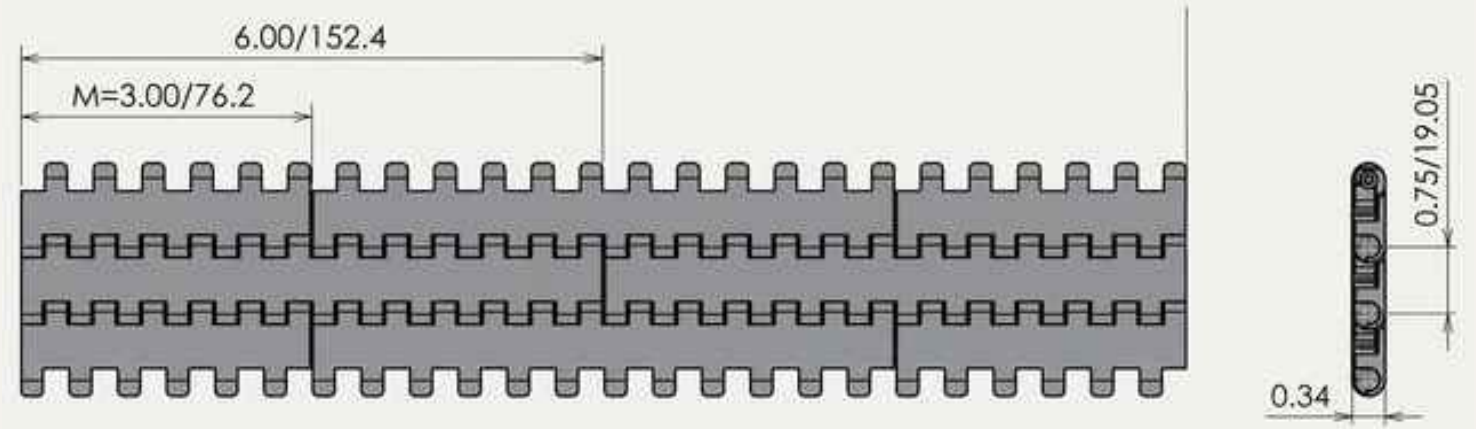
SERIES 590 FT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

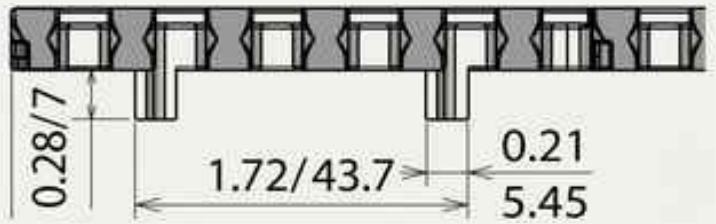
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1645 LBS/FT / 24000 N/m	1.43 LBS/FT² / 7,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2056 LBS/FT / 30000 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT TOP VIEW AND PIN-ROW SECTION. WIDTH, 6.00/152.4, M=3.00/76.2, 0.75/19.05, 0.34/8.7 (IN/MM)

MOVEX

SERIES 520 (CONT.)



VERSION C – WITH 2 POSITIONER: 0.28/7, 1.72/43.7, 0.21/5.45, 2.36/59.9 (IN/MM)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5301	*	0003	A
5301	*	0006	A
5301	*	0009	A
5301	*	0012	A
5301	*	0015	A
5301	*	0018	A
5301	*	0021	A
5301	*	0024	A
5301	*	0027	A
5301	*	0030	A
5301	*	0033	A
5301	*	0036	A
5301	*	0039	A
5301	*	0042	A
5301	*	0045	A
5301	*	0048	A
5301	*	0051	A
5301	*	0054	A

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5301	*	0003	C
5301	*	0006	C
5301	*	0009	C
5301	*	0012	C
5301	*	0015	C
5301	*	0018	C
5301	*	0021	C
5301	*	0024	C
5301	*	0027	C
5301	*	0030	C
5301	*	0033	C
5301	*	0036	C
5301	*	0039	C
5301	*	0042	C
5301	*	0045	C
5301	*	0048	C
5301	*	0051	C
5301	*	0054	C

MOVEX

SERIES 590

590 FT ONE TRACK BELT

590 FT ONE TRACK BELT

Modular Belt Series 590 FT, H=8,7 M=3″

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5301	03	9325	C



SERIES 590 FT ONE TRACK BELT



BELT LINK DETAIL

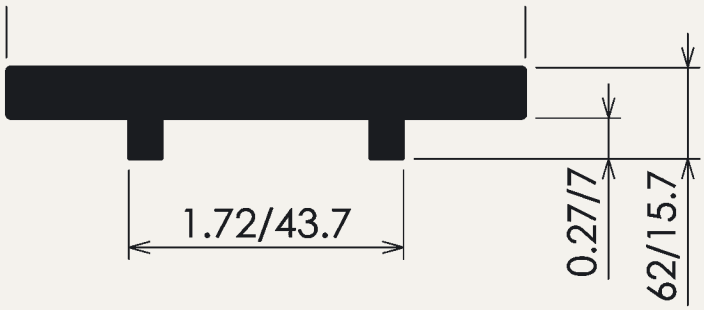
* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1645 LBS/FT / 24000 N/m	1.43 LBS/FT² / 7,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2056 LBS/FT / 30000 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white

Version A - Standard

Width

VERSION A – STANDARD: BELT END VIEW, WIDTH



VERSION C – WITH 2 POSITIONER: WIDTH, 1.72/43.7, 0.27/7, 0.62/15.7 (IN/MM)



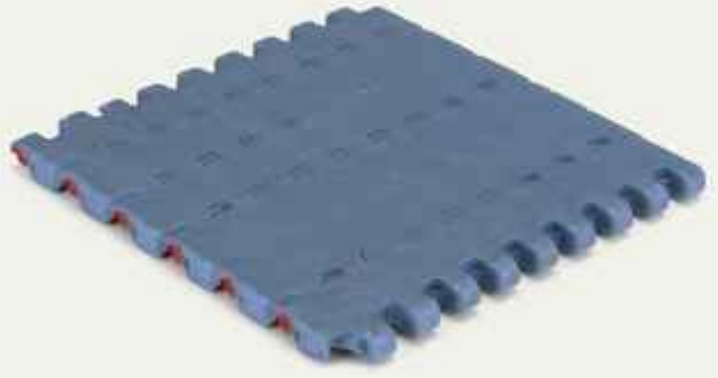
K325 – ONE TRACK BELT

MOVEX

SERIES 590 (CONT.)

K325 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5301	*	9325	A
5301	*	9325	C



K450 – ONE TRACK BELT

K450 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5301	*	9450	A
5301	*	9450	C



K750 – ONE TRACK BELT

K750 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5301	*	9750	A
5301	*	9750	C

MOVEX

SERIES 590

590 FTT

590 FTT

Modular Belt Series 590 FTT, H=8,7

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5306	01	9450	C-R



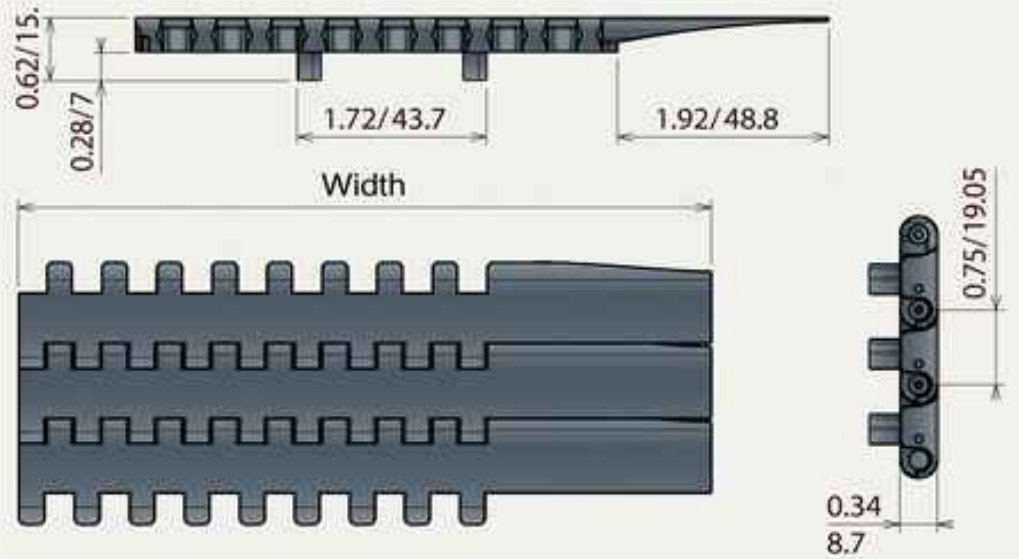
SERIES 590 FTT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

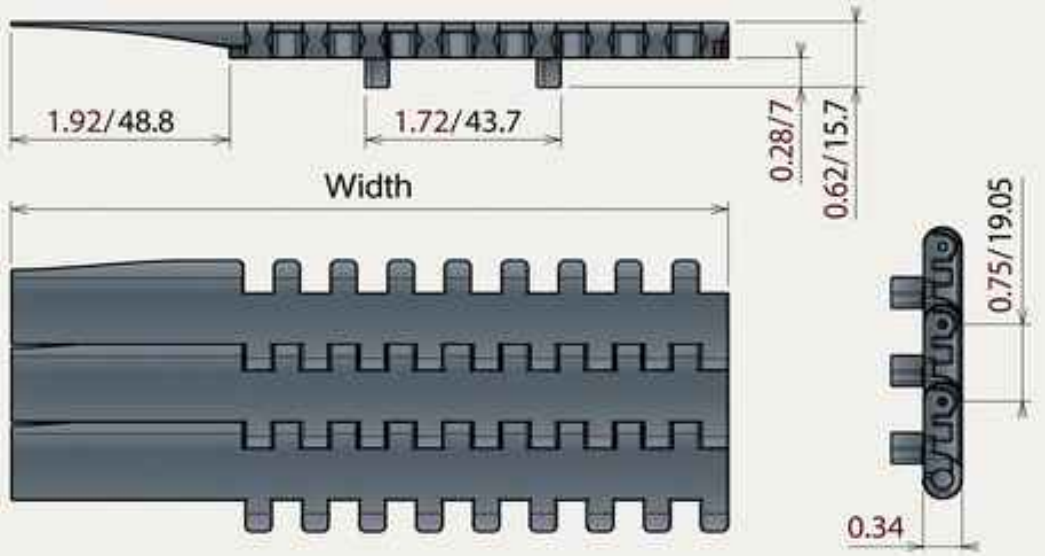
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1645 LBS/FT / 24000 N/m	1.43 LBS/FT² / 7,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2056 LBS/FT / 30000 N/m	1.54 LBS/FT² / 7,5 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2056 LBS/FT / 30000 N/m	1.47 LBS/FT² / 7,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION 590 FTT DX: SIDE VIEW, TOP VIEW AND PIN-ROW SECTION. 0.62/15.7, 0.28/7, 1.72/43.7, 1.92/48.8, WIDTH, 0.75/19.05, 0.34/8.7 (IN/MM)

MOVEX

SERIES 590 (CONT.)



VERSION 590 FTT SX: SIDE VIEW, TOP VIEW AND PIN-ROW SECTION. 1.92/48.8, 1.72/43.7, 0.28/7, 0.62/15.7, WIDTH, 0.75/19.05, 0.34/8.7 (IN/MM)

VERSION 590 FTT DX

SERIES	MATERIAL	WIDTH	VERSION
5306	*	9450	C-R
5306	*	9750	C-R

VERSION 590 FTT SX

SERIES	MATERIAL	WIDTH	VERSION
5306	*	9450	C-L
5306	*	9750	C-L

MOVEX

SERIES 525

525 HD FT – MODULAR BELTS

525 HD FT

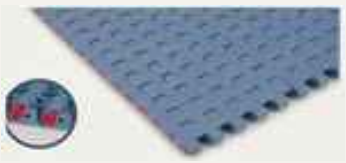
Modular Belt Series 525 HD, H=8,7 M=85

Backflex radius min. (in-min): 0.98/ 25

Metric Size — New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5261	03	0340	C



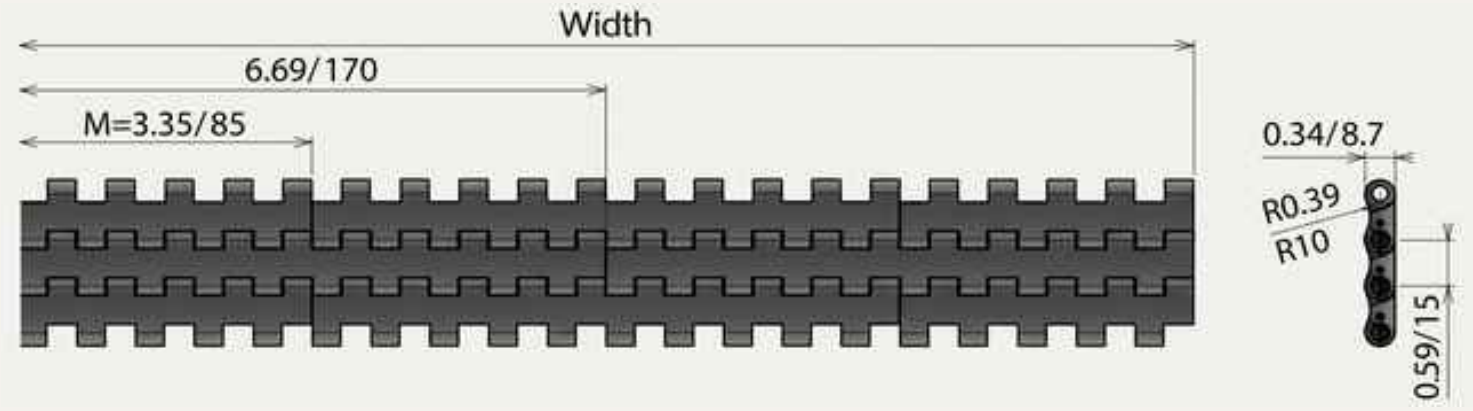
525 HD FT BELT SURFACE



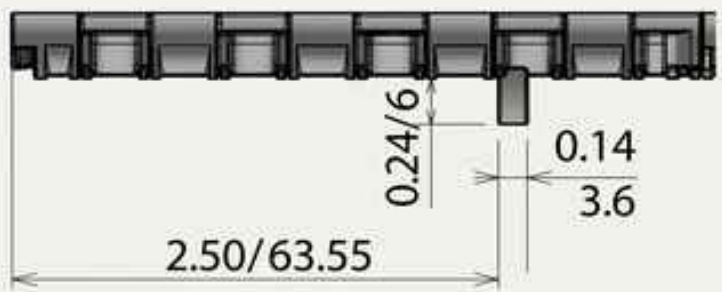
HINGE DETAIL

* MATERIAL

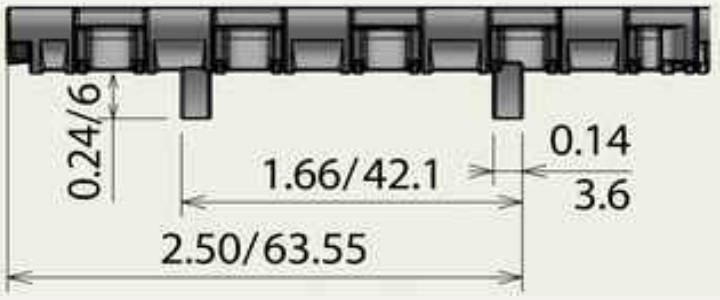
MATERIAL	TYPE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA - Code 01	Low friction Acetal	1750 / 25500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX - Code 03	Performance PBT	1405 / 20500	1.78 / 8,7	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM - Code 16	Aramide Reinforced Acetal	1750 / 25500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX - Code 17	Polyamide Composite	1750 / 25500	1.90 / 9,3	-40÷219 / -40÷104	NR	PBT white
MP - Code 13	Lubricated Acetal	1750 / 25500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85; SECTION 0.34/8.7, R0.39, R10, 0.59/15



VERSION B - WITH 1 POSITIONER: 0.24/6, 0.14/3.6, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.24/6, 1.66/42.1, 0.14/3.6, 2.50/63.55

MOVEX

SERIES 525 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5261	*	0085	A
5261	*	0170	A
5261	*	0255	A
5261	*	0340	A
5261	*	0425	A
5261	*	0510	A
5261	*	0595	A
5261	*	0680	A
5261	*	0765	A
5261	*	0850	A
5261	*	0935	A
5261	*	1020	A
5261	*	1105	A
5261	*	1190	A
5261	*	1275	A
5261	*	1360	A
5261	*	1445	A
5261	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5261	*	0085	B
5261	*	0170	B
5261	*	0255	B
5261	*	0340	B
5261	*	0425	B
5261	*	0510	B
5261	*	0595	B
5261	*	0680	B
5261	*	0765	B
5261	*	0850	B
5261	*	0935	B
5261	*	1020	B
5261	*	1105	B
5261	*	1190	B
5261	*	1275	B
5261	*	1360	B
5261	*	1445	B
5261	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5261	*	0085	C
5261	*	0170	C
5261	*	0255	C
5261	*	0340	C
5261	*	0425	C
5261	*	0510	C
5261	*	0595	C
5261	*	0680	C
5261	*	0765	C
5261	*	0850	C
5261	*	0935	C
5261	*	1020	C
5261	*	1105	C
5261	*	1190	C
5261	*	1275	C
5261	*	1360	C
5261	*	1445	C
5261	*	1530	C

MOVEX

SERIES 525

525 FTT – MODULAR BELTS

525 FTT

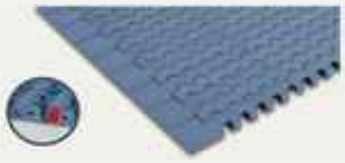
Modular Belt Series 525 HD, H=8,7 M=85

Backflex radius min. (in-min): 0.98/ 25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5256	03	0085	CN



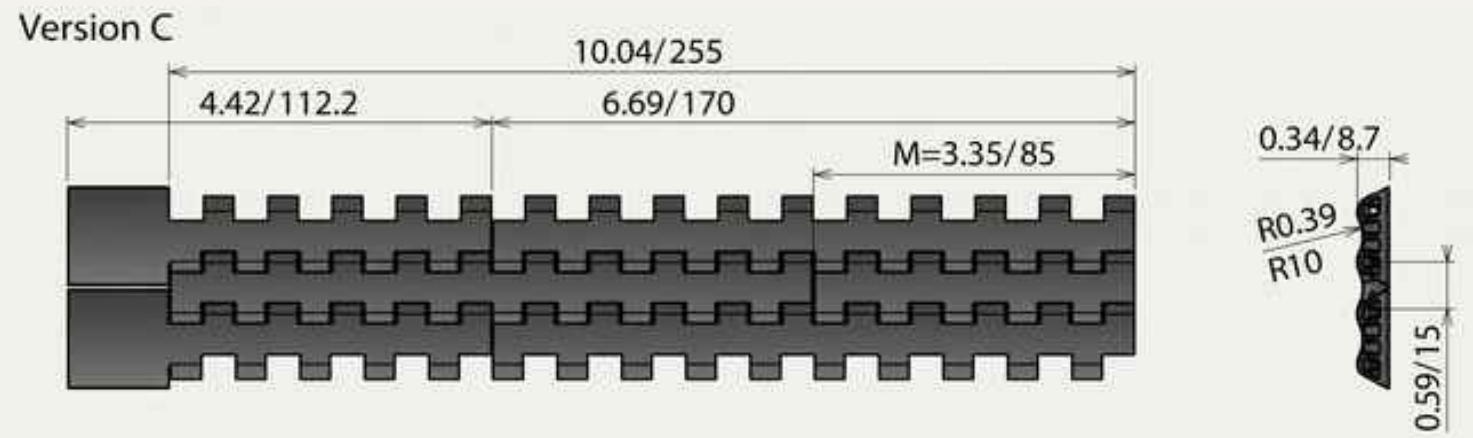
525 FTT BELT SURFACE



HINGE DETAIL

* MATERIAL

MATERIAL	TYPE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA - Code 01	Low friction Acetal	1475 / 21500	1.60 / 7,8	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX - Code 03	Performance PBT	1200 / 17500	1.54 / 7,5	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM - Code 16	Aramide Reinforced Acetal	1475 / 21500	1.60 / 7,8	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX - Code 17	Polyamide Composite	1475 / 21500	1.66 / 8,1	-40÷219 / -40÷104	NR	PBT white
MP - Code 13	Lubricated Acetal	1475 / 21500	1.60 / 7,8	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



VERSION C: 10.04/255, 4.42/112.2, 6.69/170, M=3.35/85; SECTION 0.34/8.7, R0.39, R10, 0.59/15



VERSION CN - NEAR: 1.66/42.1, 2.50/63.55

MOVEX

SERIES 525 (CONT.)



VERSION CO - OPPOSITE: R1.97, R50, 0.24/6, 0.14/3.6, 1.66/42.1, 2.50/63.55

VERSION C

SERIES	MATERIAL	WIDTH	VERSION
5256	*	0085	C

VERSION CN - NEAR

SERIES	MATERIAL	WIDTH	VERSION
5256	*	0170	CN
5256	*	0255	CN

VERSION CO - OPPOSITE

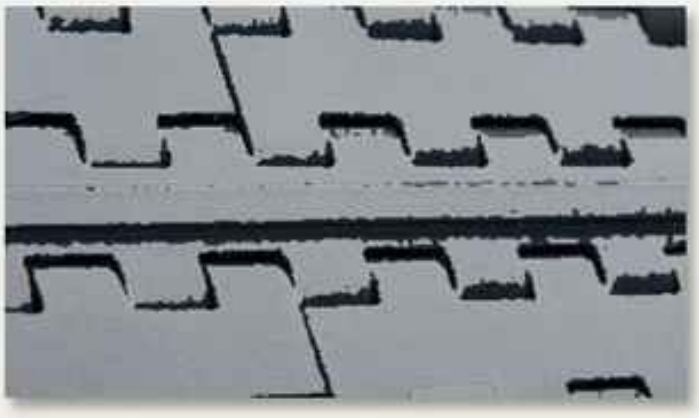
SERIES	MATERIAL	WIDTH	VERSION
5256	*	0170	CO
5256	*	0255	CO

FT + RIB

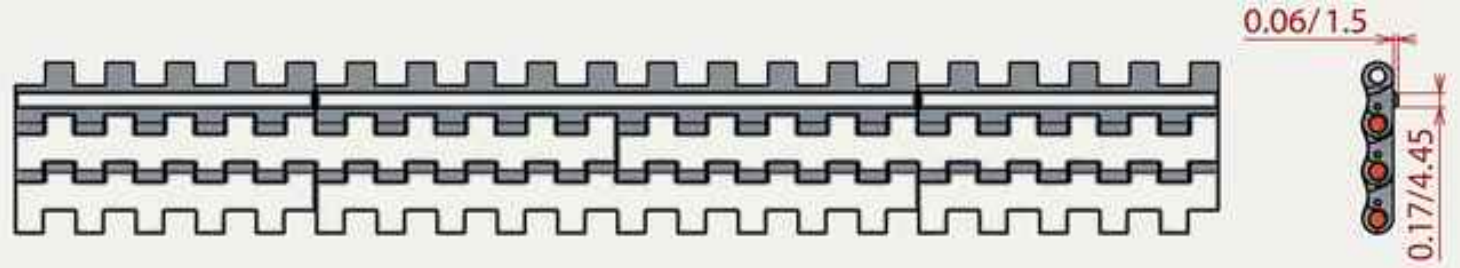
SPECIAL APPLICATION IN PALLETIZER

ADD ON CODE:

- XR3 (RIB every 3 links) - XR5 (RIB every 5 links)



FT + RIB BELT SURFACE



FT + RIB: 0.06/1.5, 0.17/4.45

MOVEX

SERIES 525

525 HD FG – MODULAR BELTS

525 HD FG

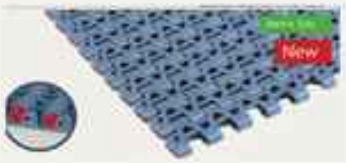
Modular Belt Series 525 HD Flush grid, H=8,7 M=85

Backflex radius min. (in-min): 0.98/ 25

Metric Size — New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5262	03	0340	C



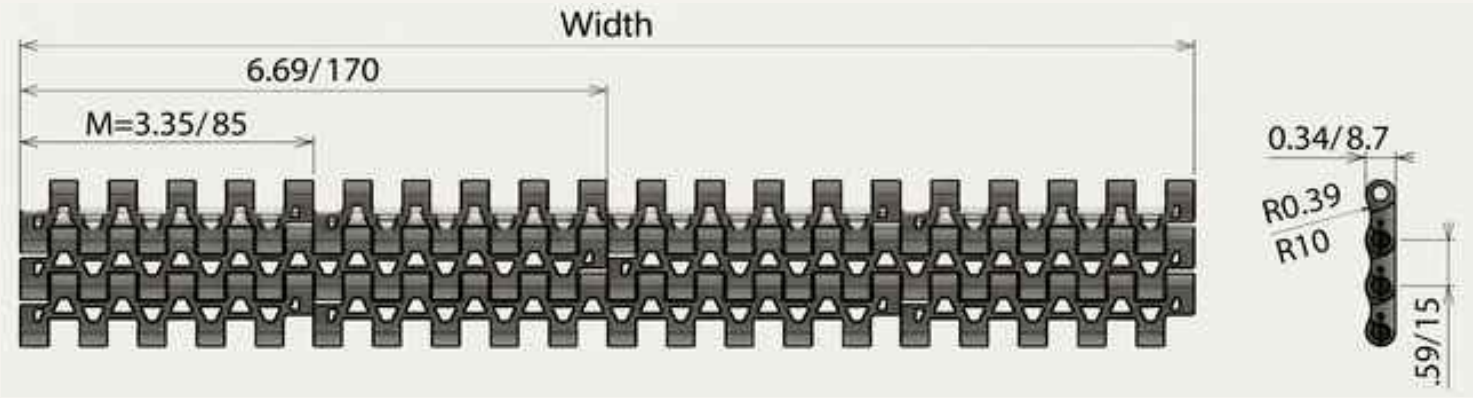
525 HD FG BELT SURFACE



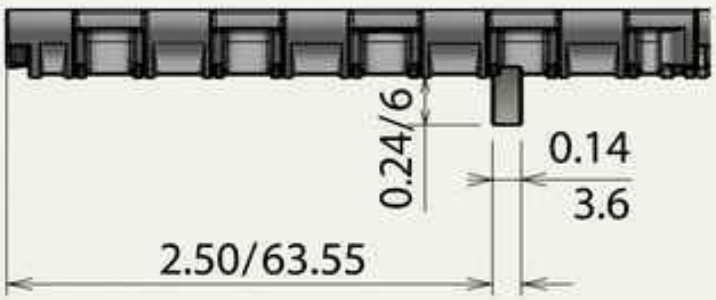
HINGE DETAIL

* MATERIAL

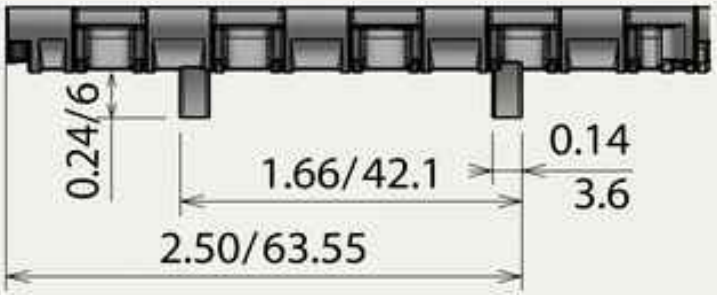
MATERIAL	TYPE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA - Code 01	Low friction Acetal	1712 / 25500	1.66 / 8,1	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX - Code 03	Performance PBT	1370 / 20000	1.60 / 7,8	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM - Code 16	Aramide Reinforced Acetal	1712 / 25000	1.66 / 8,1	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX - Code 17	Polyamide Composite	1712 / 25000	1.72 / 8,4	-40÷219 / -40÷104	NR	PBT white
MP - Code 13	Lubricated Acetal	1712 / 25000	1.66 / 8,1	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85; SECTION 0.34/8.7, R0.39, R10, 0.59/15



VERSION B - WITH 1 POSITIONER: 0.24/6, 0.14/3.6, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.24/6, 1.66/42.1, 0.14/3.6, 2.50/63.55

MOVEX

SERIES 525 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5262	*	0085	A
5262	*	0170	A
5262	*	0255	A
5262	*	0340	A
5262	*	0425	A
5262	*	0510	A
5262	*	0595	A
5262	*	0680	A
5262	*	0765	A
5262	*	0850	A
5262	*	0935	A
5262	*	1020	A
5262	*	1105	A
5262	*	1190	A
5262	*	1275	A
5262	*	1360	A
5262	*	1445	A
5262	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5262	*	0085	B
5262	*	0170	B
5262	*	0255	B
5262	*	0340	B
5262	*	0425	B
5262	*	0510	B
5262	*	0595	B
5262	*	0680	B
5262	*	0765	B
5262	*	0850	B
5262	*	0935	B
5262	*	1020	B
5262	*	1105	B
5262	*	1190	B
5262	*	1275	B
5262	*	1360	B
5262	*	1445	B
5262	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5262	*	0085	C
5262	*	0170	C
5262	*	0255	C
5262	*	0340	C
5262	*	0425	C
5262	*	0510	C
5262	*	0595	C
5262	*	0680	C
5262	*	0765	C
5262	*	0850	C
5262	*	0935	C
5262	*	1020	C
5262	*	1105	C
5262	*	1190	C
5262	*	1275	C
5262	*	1360	C
5262	*	1445	C
5262	*	1530	C

MOVEX

SERIES 525

525 HD GT – MODULAR BELTS

525 HD GT

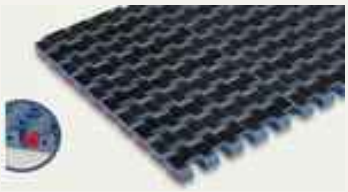
Modular Belt Series 525 HD GT, H=8,7 M=85

Backflex radius min. (in-min): 0.98/ 25

Metric Size — New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5263	03	0340	C



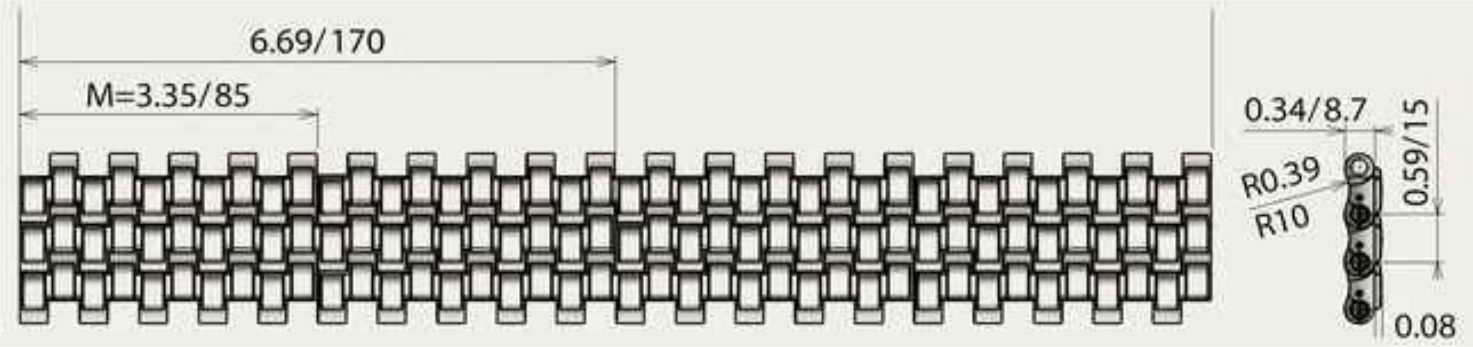
525 HD GT BELT SURFACE



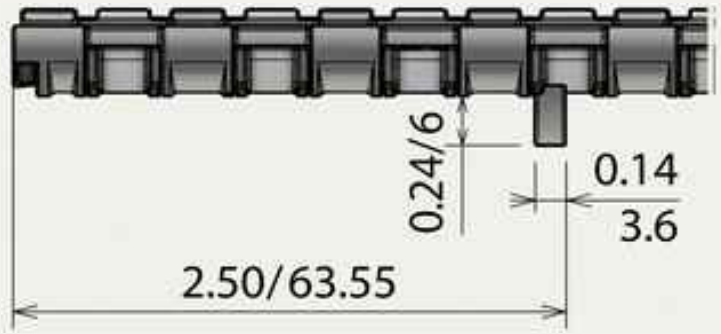
HINGE DETAIL

* MATERIAL

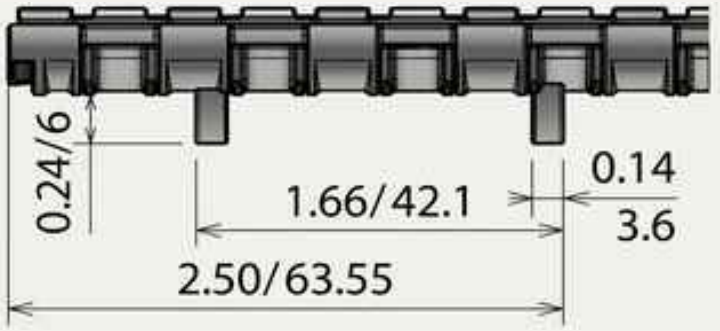
MATERIAL	TYPE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL	HARDNESS
LFA - Code 01	Low friction Acetal	1750 / 25500	2.12 / 10,35	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white	75 ShA
PP - Code 02	Polypropylene	1065 / 15500	1.78 / 8,7	39,2÷176 / -40÷80	39,2÷149 / -40÷65	PP blu	75 ShA
MX - Code 03	Performance PBT	1405 / 20500	2.12 / 10,35	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey	75 ShA



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85; SECTION 0.34/8.7, R0.39, R10, 0.59/15, 0.08/2



VERSION B - WITH 1 POSITIONER: 0.24/6, 0.14/3.6, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.24/6, 1.66/42.1, 0.14/3.6, 2.50/63.55

MOVEX

SERIES 525 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5263	*	0085	A
5263	*	0170	A
5263	*	0255	A
5263	*	0340	A
5263	*	0425	A
5263	*	0510	A
5263	*	0595	A
5263	*	0680	A
5263	*	0765	A
5263	*	0850	A
5263	*	0935	A
5263	*	1020	A
5263	*	1105	A
5263	*	1190	A
5263	*	1275	A
5263	*	1360	A
5263	*	1445	A
5263	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5263	*	0085	B
5263	*	0170	B
5263	*	0255	B
5263	*	0340	B
5263	*	0425	B
5263	*	0510	B
5263	*	0595	B
5263	*	0680	B
5263	*	0765	B
5263	*	0850	B
5263	*	0935	B
5263	*	1020	B
5263	*	1105	B
5263	*	1190	B
5263	*	1275	B
5263	*	1360	B
5263	*	1445	B
5263	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5263	*	0085	C
5263	*	0170	C
5263	*	0255	C
5263	*	0340	C
5263	*	0425	C
5263	*	0510	C
5263	*	0595	C
5263	*	0680	C
5263	*	0765	C
5263	*	0850	C
5263	*	0935	C
5263	*	1020	C
5263	*	1105	C
5263	*	1190	C
5263	*	1275	C
5263	*	1360	C
5263	*	1445	C
5263	*	1530	C

MOVEX

SERIES 525

525 HD GT SIDE INDENT

525 HD GT SIDE INDENT

Modular Belt Series 525 HD GT Side Indent, H=8,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size — New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5265	03	0340	C



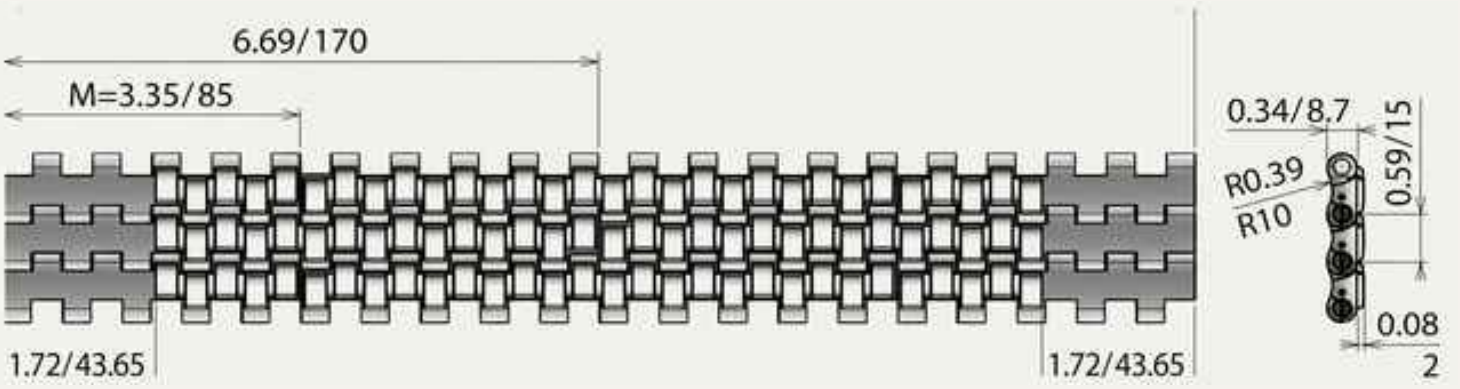
SERIES 525 HD GT SIDE INDENT MODULAR BELT



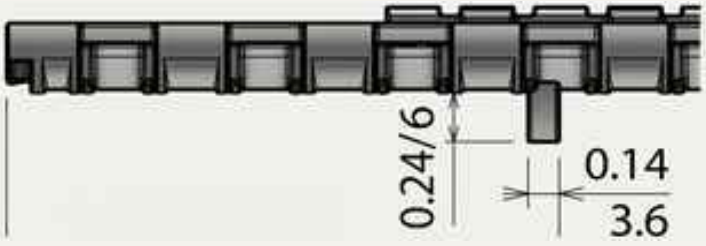
BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	1750 LBS/FT / 25500 N/m	2.12 LBS/FT² / 10,35 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	75 ShA
PP - Code 02 – Polypropylene	1065 LBS/FT / 15500 N/m	1.78 LBS/FT² / 8,7 kg/m²	39,2÷176°F / -40÷80 °C	39,2÷149°F / -40÷65 °C	PP blu	75 ShA
MX - Code 03 – Performance PBT	1405 LBS/FT / 20500 N/m	2.12 LBS/FT² / 10,35 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	75 ShA



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 1.72/43.65, 0.34/8.7, 0.59/15, R0.39, R10, 0.08/2 (IN/MM)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.24/6, 0.14, 3.6



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.24/6, 0.14, 3.6

MOVEX

SERIES 525 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5265	*	0255	A
5265	*	0340	A
5265	*	0425	A
5265	*	0510	A
5265	*	0595	A
5265	*	0680	A
5265	*	0765	A
5265	*	0850	A
5265	*	0935	A
5265	*	1020	A
5265	*	1105	A
5265	*	1190	A
5265	*	1275	A
5265	*	1360	A
5265	*	1445	A
5265	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5265	*	0255	B
5265	*	0340	B
5265	*	0425	B
5265	*	0510	B
5265	*	0595	B
5265	*	0680	B
5265	*	0765	B
5265	*	0850	B
5265	*	0935	B
5265	*	1020	B
5265	*	1105	B
5265	*	1190	B
5265	*	1275	B
5265	*	1360	B
5265	*	1445	B
5265	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5265	*	0255	C
5265	*	0340	C
5265	*	0425	C
5265	*	0510	C
5265	*	0595	C
5265	*	0680	C
5265	*	0765	C
5265	*	0850	C
5265	*	0935	C
5265	*	1020	C
5265	*	1105	C
5265	*	1190	C
5265	*	1275	C
5265	*	1360	C
5265	*	1445	C
5265	*	1530	C

MOVEX

SERIES 530

530 FT

530 FT

Modular Belt Series 530 FT, H=8,7 M=3″

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5321	01	0030	A



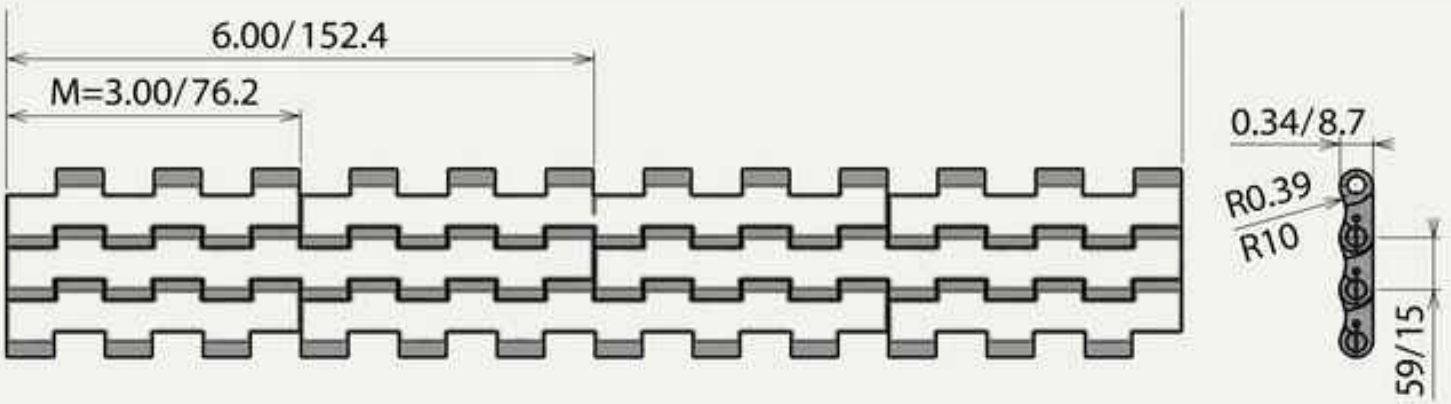
SERIES 530 FT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1440 LBS/FT / 21000 N/m	1.84 LBS/FT² / 9,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1781 LBS/FT / 26000 N/m	1.95 LBS/FT² / 9,5 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.00/152.4, M=3.00/76.2, 0.34/8.7, 0.59/15, R0.39, R10 (IN/MM)

MOVEX

SERIES 530 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5321	*	0003	A
5321	*	0006	A
5321	*	0009	A
5321	*	0012	A
5321	*	0015	A
5321	*	0018	A
5321	*	0021	A
5321	*	0024	A
5321	*	0027	A
5321	*	0030	A
5321	*	0033	A
5321	*	0036	A
5321	*	0039	A
5321	*	0042	A
5321	*	0045	A
5321	*	0048	A
5321	*	0051	A
5321	*	0054	A

MOVEX

SERIES 530

530 FTT MODULAR BELTS

530 FTT

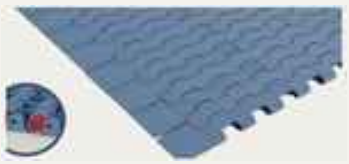
Modular Belt Series 530 FTT, H=8,7 M=3″

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5326	01	0006	A



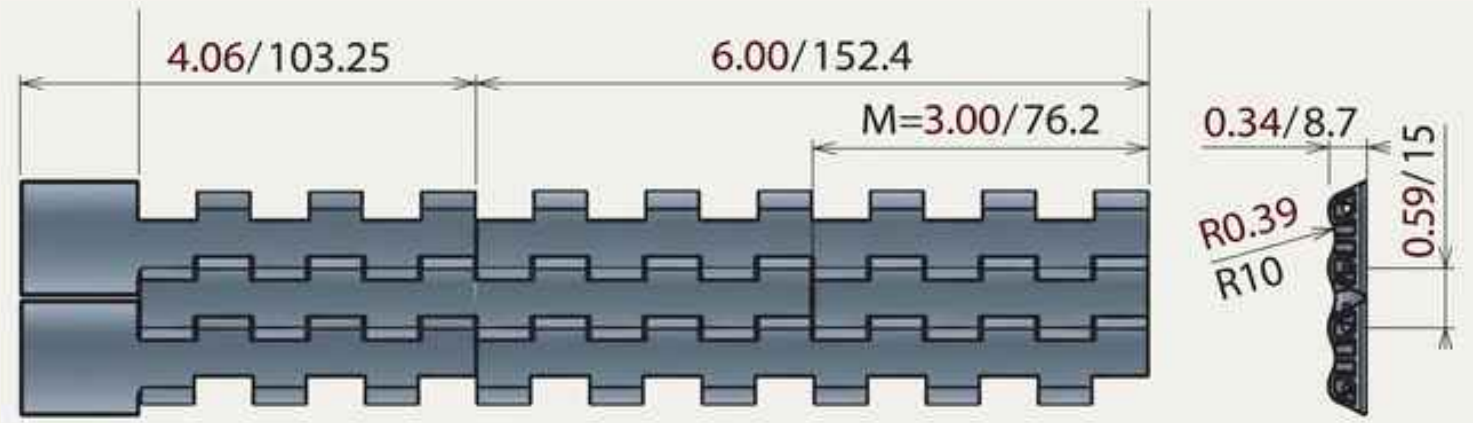
SERIES 530 FTT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1440 LBS/FT / 21000 N/m	1.84 LBS/FT² / 9,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	1781 LBS/FT / 26000 N/m	1.95 LBS/FT² / 9,5 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	1781 LBS/FT / 26000 N/m	1.88 LBS/FT² / 9,2 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT PLAN VIEW. 9.00/288.6, 4.06/103.25, 6.00/152.4, M=3.00/76.2, 0.34/8.7, 0.59/15, R0.39, R10 (IN/MM)



BELT SIDE VIEW SHOWING BACKFLEX RADII R1.97 / R50

VERSION A - STANDARD

MOVEX

SERIES 530

530 GT

530 GT

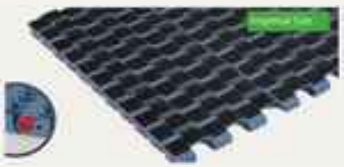
Modular Belt Series 530 GT, H=8,7 M=3″

Backflex radius min. (in-min): 1.18/30

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5323	01	0009	A



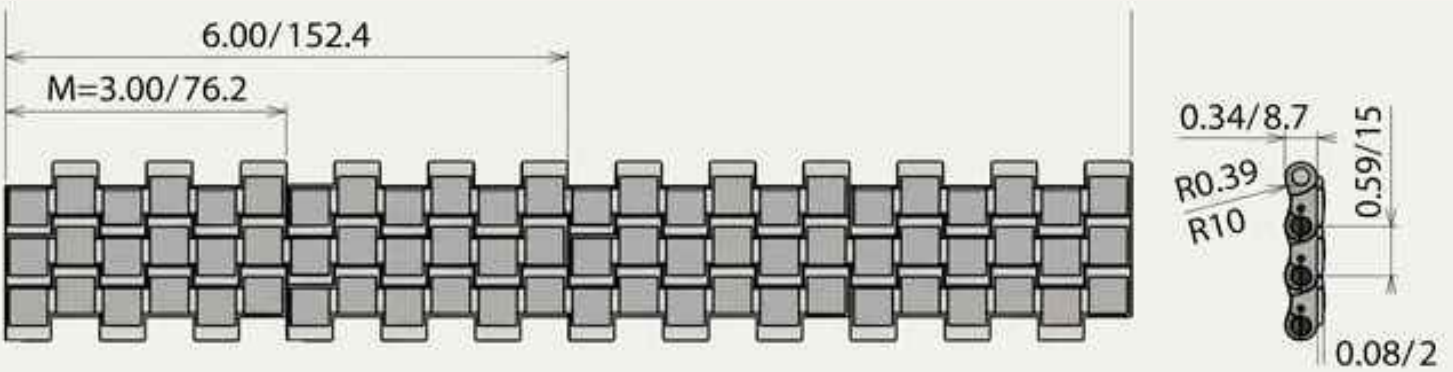
SERIES 530 GT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	1781 LBS/FT / 26000 N/m	2.17 LBS/FT² / 10,6 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	75 ShA
PP - Code 02 – Polypropylene	1096 LBS/FT / 16000 N/m	1.84 LBS/FT² / 9,0 kg/m²	39,2÷176°F / -40÷80 °C	39,2÷149°F / -40÷65 °C	PP blu	75 ShA
MX - Code 03 – Performance PBT	1440 LBS/FT / 21000 N/m	2.17 LBS/FT² / 10,6 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	75 ShA



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.00/152.4, M=3.00/76.2, 0.34/8.7, 0.59/15, R0.39, R10, 0.08/2 (IN/MM)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5323	*	0003	A
5323	*	0006	A
5323	*	0009	A
5323	*	0012	A
5323	*	0015	A
5323	*	0018	A
5323	*	0021	A
5323	*	0024	A

MOVEX

SERIES 530

530 GT SIDE INDENT

530 GT SIDE INDENT

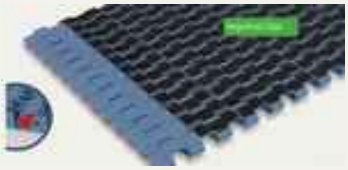
Modular Belt Series 530 GT, H=8,7 M=3"

Backflex radius min. (in-min): 1.18 / 30

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5325	01	0027	A



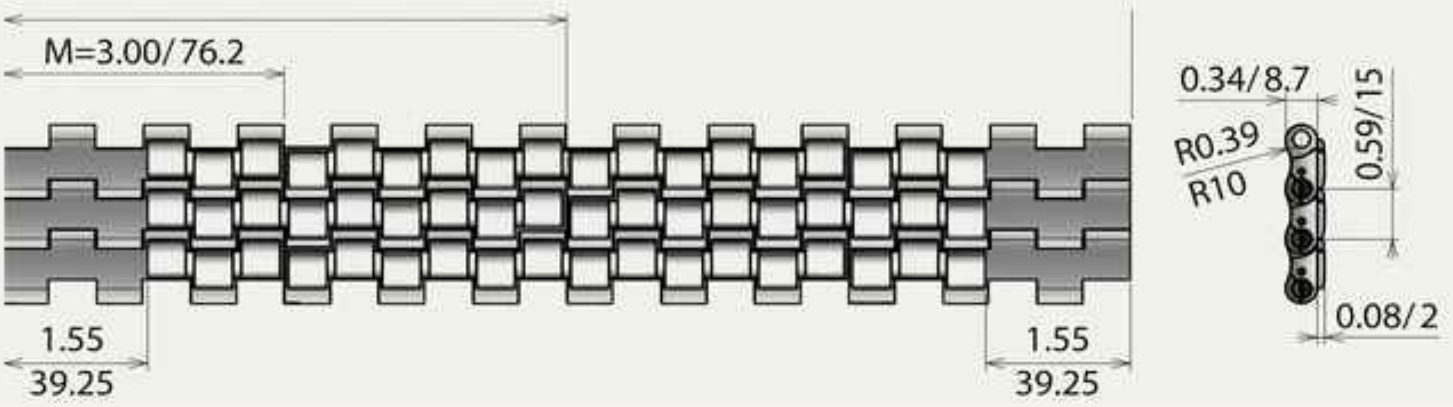
530 GT SIDE INDENT BELT



SURFACE DETAIL

* MATERIAL

PROPERTY	LFA - CODE 01 LOW FRICTION ACETAL	PP - CODE 02 POLYPROPYLENE	MX - CODE 03 PERFORMANCE PBT
Max w. load	1781 LBS/FT / 26000 N/m	1096 LBS/FT / 16000 N/m	1440 LBS/FT / 21000 N/m
Weight	2.17 LBS/FT² / 10,6 kg/m²	1.84 LBS/FT² / 9,0 kg/m²	2.17 LBS/FT² / 10,6 kg/m²
Temp. range dry	-40÷176°F / -40÷80 °C	39,2÷176°F / -40÷80 °C	-40÷248°F / -40÷120 °C
Temp. range wet	-40÷149°F / -40÷65 °C	39,2÷149°F / -40÷65 °C	-40÷140°F / -40÷60 °C
Pin material	PBT white	PP blu	POM grey
Hardness	75 ShA	75 ShA	75 ShA



VERSION A - STANDARD: WIDTH, 6.00/152.4, M=3.00/76.2, 1.55 / 39.25, 0.34/8.7, 0.59/15, R0.39 / R10, 0.08/2

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5325	*	0009	A
5325	*	0012	A
5325	*	0015	A
5325	*	0018	A
5325	*	0021	A
5325	*	0024	A

MOVEX

SERIES 530

530 LBP

530 LBP

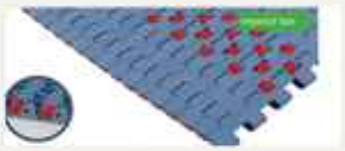
Modular Belt Series 530 LBP, H=8,7 M=3"

Backflex radius min. (in-min): 0.98 / 25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

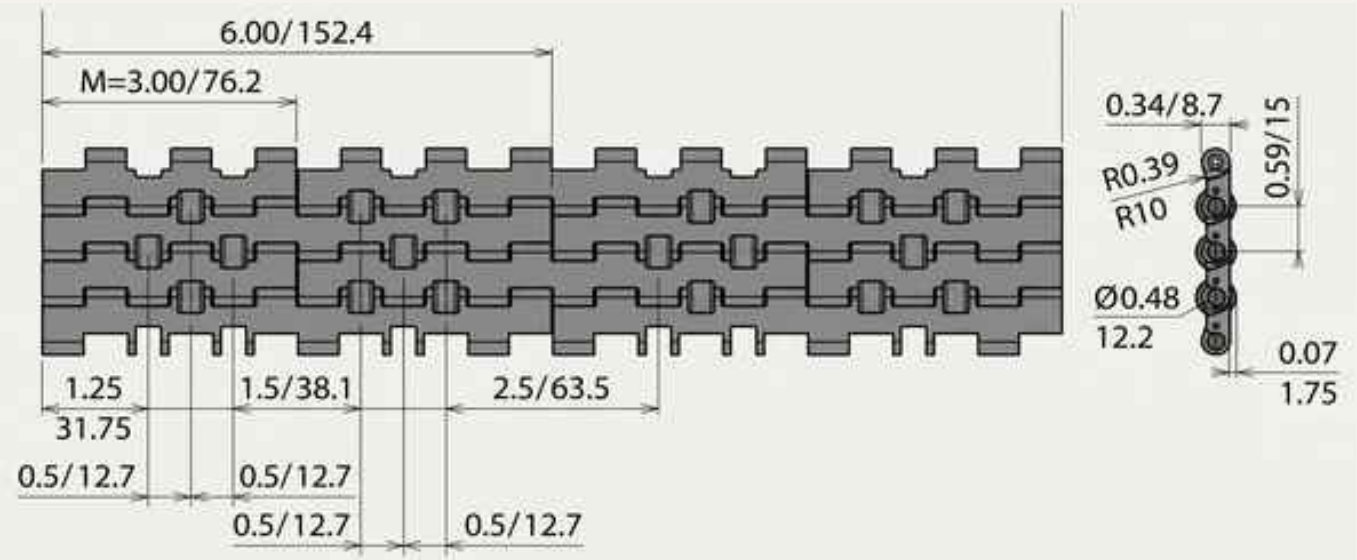
SERIES	* MATERIAL	WIDTH	VERSION
5324	01	0012	A



530 LBP BELT



SURFACE DETAIL



VERSION A - STANDARD: WIDTH, 6.00/152.4, M=3.00/76.2, 1.25/31.75, 1.5/38.1, 2.5/63.5, 0.5/12.7, 0.34/8.7, 0.59/15, R0.39 / R10, Ø0.48/12.2, 0.07/1.75

* MATERIAL

PROPERTY	LFA - CODE 01 LOW FRICTION ACETAL
Max w. load	1781 LBS/FT / 26000 N/m
Weight	1.88 LBS/FT² / 9,2 kg/m²
Temp. range dry	-40÷176°F / -40÷80 °C
Temp. range wet	-40÷149°F / -40÷65 °C
Pin material	PBT white

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5324	*	0006	A
5324	*	0012	A
5324	*	0018	A
5324	*	0024	A
5324	*	0030	A
5324	*	0036	A
5324	*	0042	A
5324	*	0048	A
5324	*	0054	A

MOVEX

SERIES 550

550 FT

550 FT

Modular Belt Series 550 FT, H=8,7 M=85

Backflex radius min. (in-min): 0.98 / 25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5221	01	0255	A



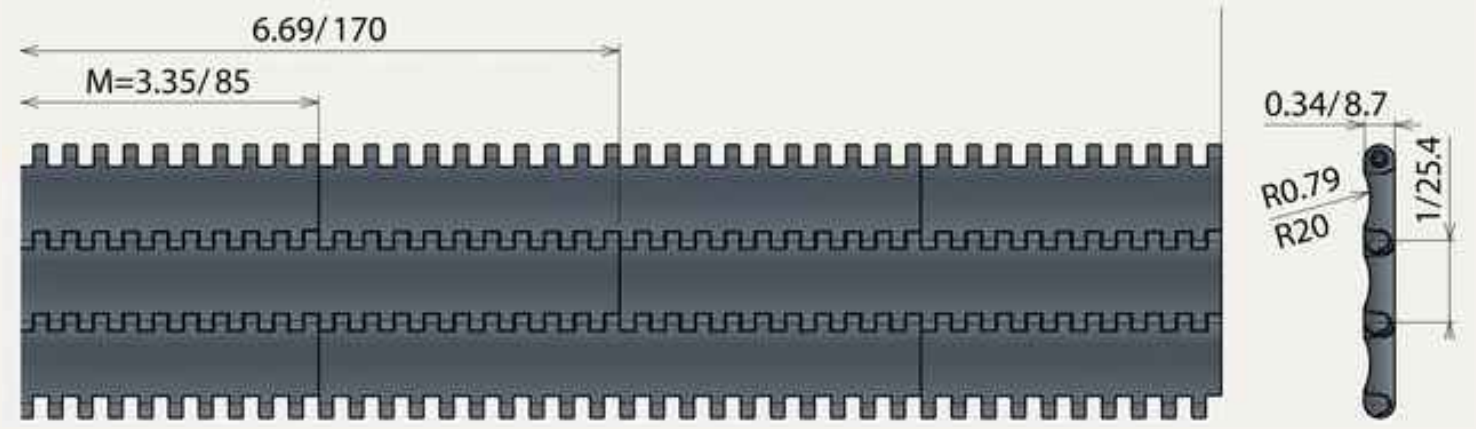
550 FT BELT



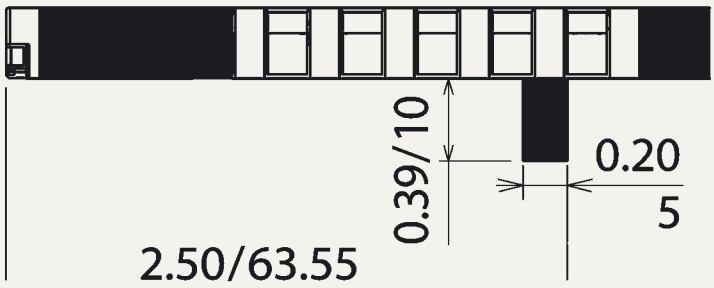
SURFACE DETAIL

* MATERIAL

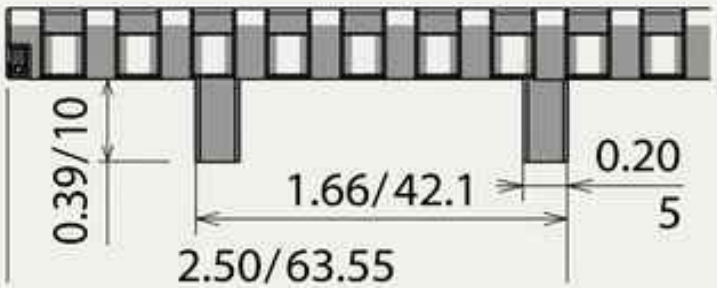
PROPERTY	LFA - CODE 01 LOW FRICTION ACETAL	MX - CODE 03 PERFORMANCE PBT	DKM - CODE 16 ARAMIDE REINFORCED ACETAL	MWX - CODE 17 POLYAMIDE COMPOSITE	MP - CODE 13 LUBRICATED ACETAL
Max w. load	1885 LBS/FT / 27500 N/m	1200 LBS/FT / 22000 N/m	1885 LBS/FT / 27500 N/m	1885 LBS/FT / 27500 N/m	1885 LBS/FT / 27500 N/m
Weight	1.74 LBS/FT² / 8,5 kg/m²	1.54 LBS/FT² / 8,2 kg/m²	1.74 LBS/FT² / 8,5 kg/m²	1.82 LBS/FT² / 8,9 kg/m²	1.74 LBS/FT² / 8,5 kg/m²
Temp. range dry	-40÷176°F / -40÷80 °C	-40÷248°F / -40÷120 °C	-40÷176°F / -40÷80 °C	-40÷219°F / -40÷104 °C	-40÷176°F / -40÷80 °C
Temp. range wet	-40÷149°F / -40÷65 °C	-40÷140°F / -40÷60 °C	-40÷149°F / -40÷65 °C	NR	-40÷149°F / -40÷65 °C
Pin material	PBT white	POM grey	PBT white	PBT white	PBT white



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85, 0.34/8.7, 1/25.4, R0.79 / R20



VERSION B - WITH 1 POSITIONER: 2.50/63.55, 0.39/10, 0.20/5



VERSION C - WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.39/10, 0.20/5

MOVEX

SERIES 550 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5221	*	0085	A
5221	*	0170	A
5221	*	0255	A
5221	*	0340	A
5221	*	0425	A
5221	*	0510	A
5221	*	0595	A
5221	*	0680	A
5221	*	0765	A
5221	*	0850	A
5221	*	0935	A
5221	*	1020	A
5221	*	1105	A
5221	*	1190	A
5221	*	1275	A
5221	*	1360	A
5221	*	1445	A
5221	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5221	*	0085	B
5221	*	0170	B
5221	*	0255	B
5221	*	0340	B
5221	*	0425	B
5221	*	0510	B
5221	*	0595	B
5221	*	0680	B
5221	*	0765	B
5221	*	0850	B
5221	*	0935	B
5221	*	1020	B
5221	*	1105	B
5221	*	1190	B
5221	*	1275	B
5221	*	1360	B
5221	*	1445	B
5221	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5221	*	0085	C
5221	*	0170	C
5221	*	0255	C
5221	*	0340	C
5221	*	0425	C
5221	*	0510	C
5221	*	0595	C
5221	*	0680	C
5221	*	0765	C
5221	*	0850	C
5221	*	0935	C
5221	*	1020	C
5221	*	1105	C
5221	*	1190	C
5221	*	1275	C
5221	*	1360	C
5221	*	1445	C
5221	*	1530	C

MOVEX

SERIES 550

550 FT ONE TRACK BELT

550 FT ONE TRACK BELT

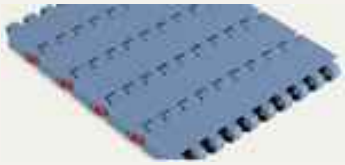
Modular Belt Series 550 FT, H=8,7 K330

Backflex radius min. (in-min): 0.98 / 25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5221	03	9330	A



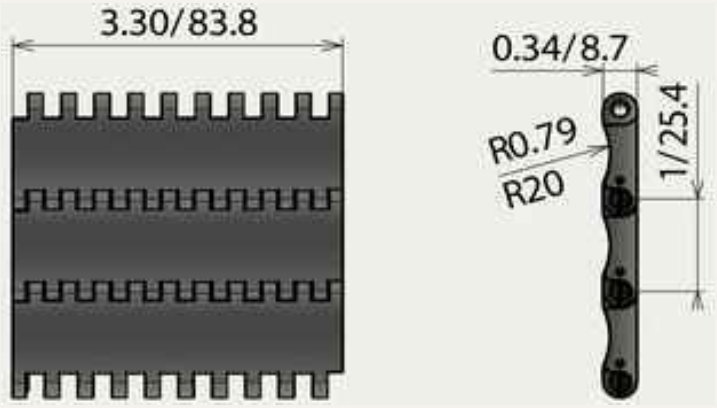
550 FT ONE TRACK BELT



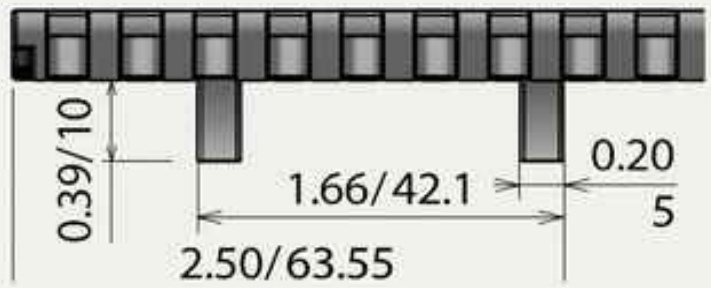
SURFACE DETAIL

* MATERIAL

PROPERTY	LFA - CODE 01 LOW FRICTION ACETAL	MX - CODE 03 PERFORMANCE PBT	DKM - CODE 16 ARAMIDE REINFORCED ACETAL	MWX - CODE 17 POLYAMIDE COMPOSITE	MP - CODE 13 LUBRICATED ACETAL
Max w. load	1885 LBS/FT / 27500 N/m	1200 LBS/FT / 22000 N/m	1885 LBS/FT / 27500 N/m	1885 LBS/FT / 27500 N/m	1885 LBS/FT / 27500 N/m
Weight	1.74 LBS/FT² / 8,5 kg/m²	1.54 LBS/FT² / 8,2 kg/m²	1.74 LBS/FT² / 8,5 kg/m²	1.82 LBS/FT² / 8,9 kg/m²	1.74 LBS/FT² / 8,5 kg/m²
Temp. range dry	-40÷176°F / -40÷80 °C	-40÷248°F / -40÷120 °C	-40÷176°F / -40÷80 °C	-40÷219°F / -40÷104 °C	-40÷176°F / -40÷80 °C
Temp. range wet	-40÷149°F / -40÷65 °C	-40÷140°F / -40÷60 °C	-40÷149°F / -40÷65 °C	NR	-40÷149°F / -40÷65 °C
Pin material	PBT white	POM grey	PBT white	PBT white	PBT white



VERSION A - STANDARD: 3.30/83.8, 0.34/8.7, 1/25.4, R0.79 / R20



VERSION C - WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.39/10, 0.20/5

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5221	*	9330	A

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5221	*	9330	C

MOVEX

SERIES 550

550 FTT

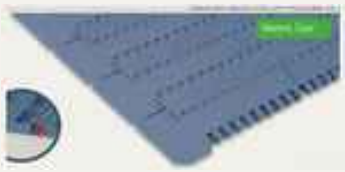
MODULAR BELT SERIES 550 FTT, H=8,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5226	03	0255	CN



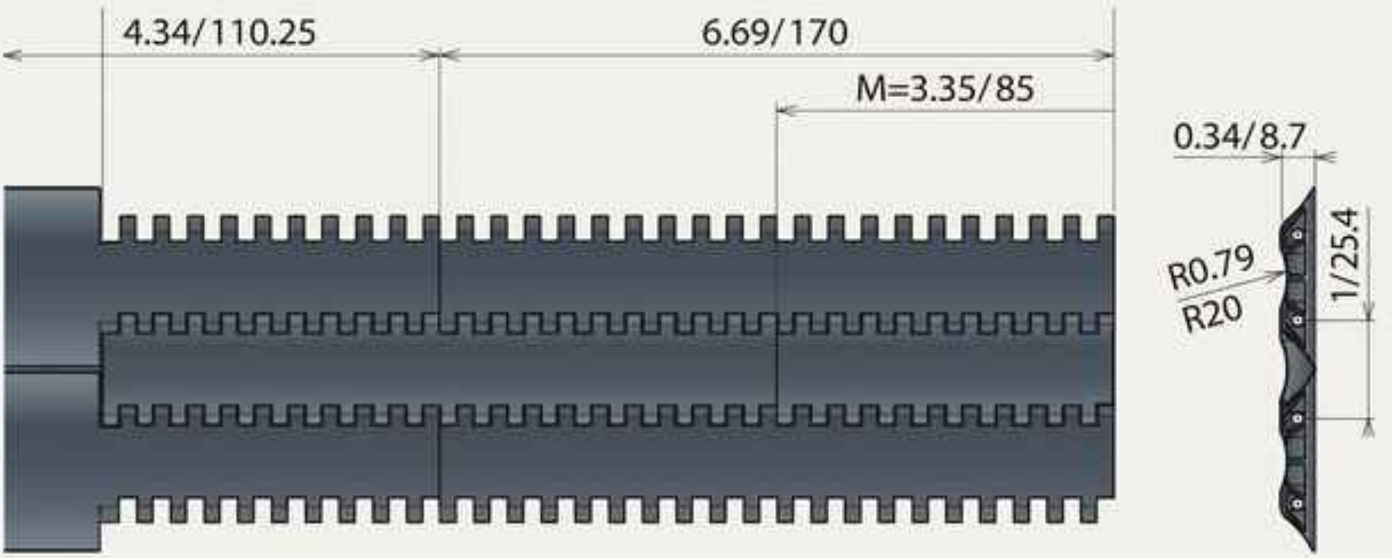
550 FTT MODULAR BELT



LINK AND PIN DETAIL

* MATERIAL

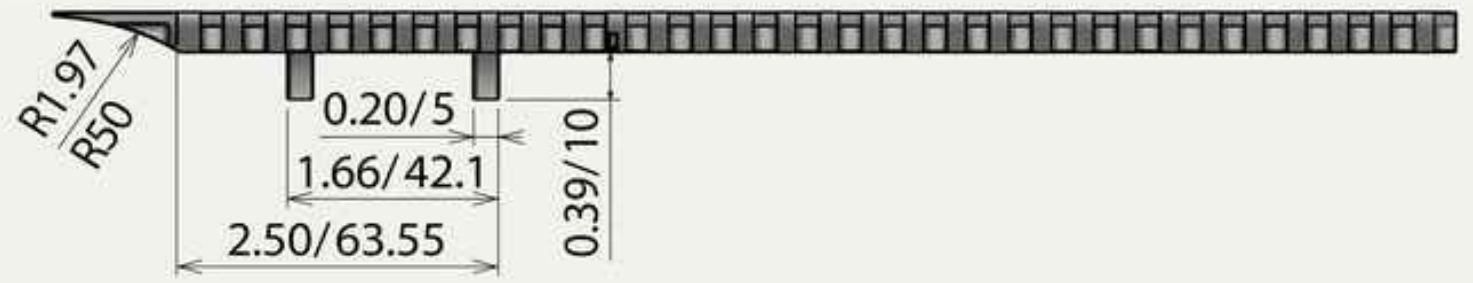
MATERIAL	CODE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA – Low friction Acetal	01	1885 / 27500	1.74 / 8,5	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Performance PBT	03	1200 / 22000	1.54 / 8,2	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Aramide Reinforced Acetal	16	1885 / 27500	1.74 / 8,5	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Polyamide Composite	17	1885 / 27500	1.82 / 8,9	-40÷219 / -40÷104	NR	PBT white
MP – Lubricated Acetal	13	1885 / 27500	1.74 / 8,5	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



VERSION C – BELT AND CROSS-SECTION DIMENSIONS

MOVEX

SERIES 550 (CONT.)



VERSION CN - NEAR – POSITIONER DIMENSIONS



VERSION CO - OPPOSITE – POSITIONER DIMENSIONS

VERSION C

SERIES	MATERIAL	WIDTH	VERSION
5226	*	0085	C

VERSION CO - OPPOSITE

SERIES	MATERIAL	WIDTH	VERSION
5226	*	0170	CO
5226	*	0255	CO

VERSION CN - NEAR

SERIES	MATERIAL	WIDTH	VERSION
5226	*	0170	CN
5226	*	0255	CN

MOVEX

SERIES 550

550 FG MODULAR BELTS

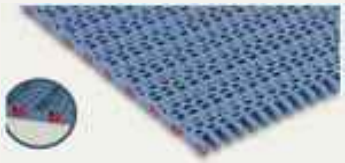
MODULAR BELT SERIES 550 FG, H=8,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5222	01	0850	C



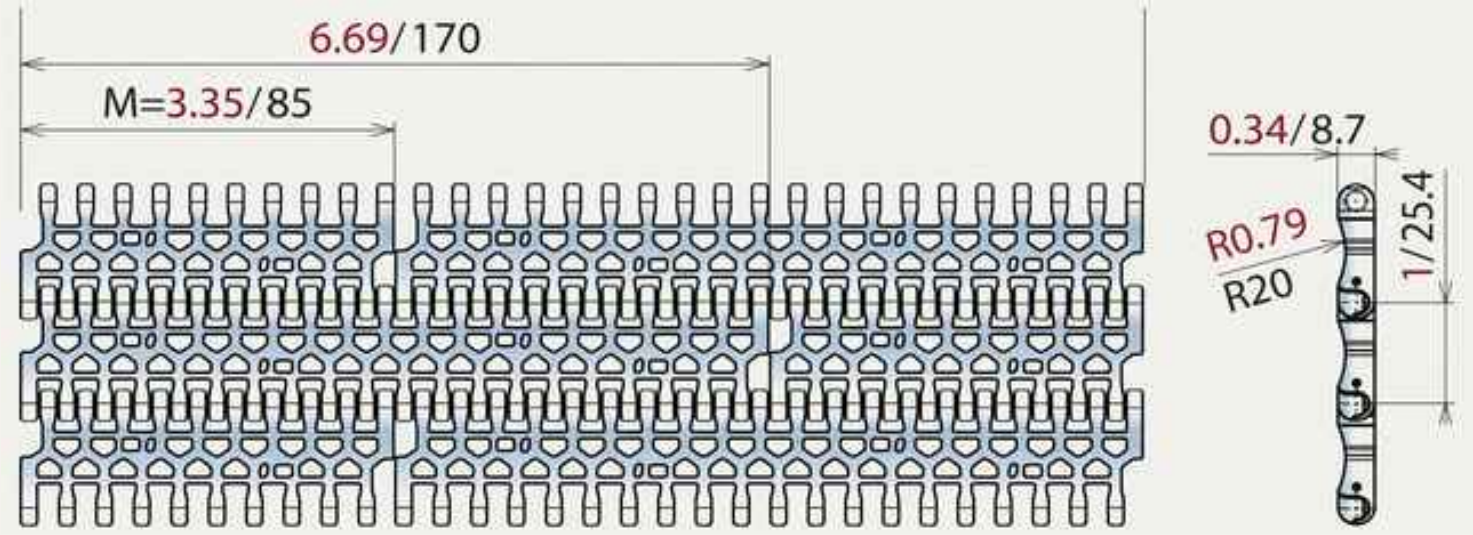
550 FG MODULAR BELT



LINK AND PIN DETAIL

* MATERIAL

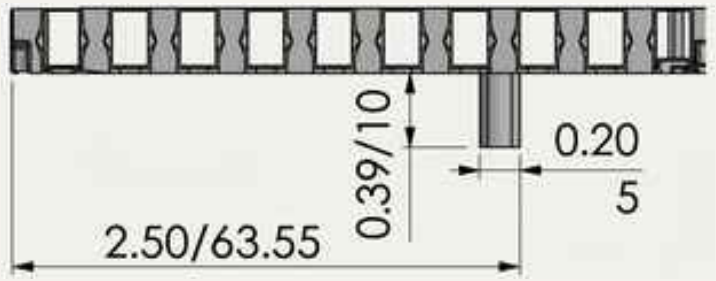
MATERIAL	CODE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA – Low friction Acetal	01	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Performance PBT	03	1507 / 22000	1.37 / 6,7	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Aramide Reinforced Acetal	16	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Polyamide Composite	17	1885 / 27500	1.49 / 7,3	-40÷219 / -40÷104	NR	PBT white
MP – Lubricated Acetal	13	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



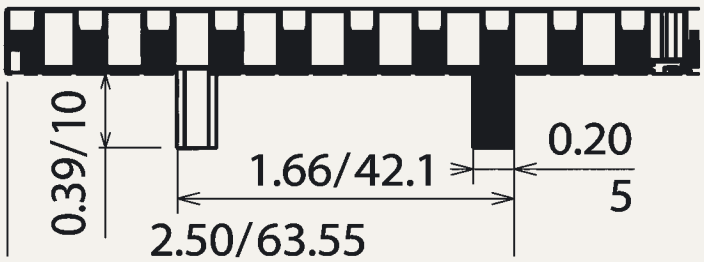
VERSION A - STANDARD – BELT AND CROSS-SECTION DIMENSIONS

MOVEX

SERIES 550 (CONT.)



VERSION B - WITH 1 POSITIONER



VERSION C - WITH 2 POSITIONER

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5222	*	0085	A
5222	*	0170	A
5222	*	0255	A
5222	*	0340	A
5222	*	0425	A
5222	*	0510	A
5222	*	0595	A
5222	*	0680	A
5222	*	0765	A
5222	*	0850	A
5222	*	0935	A
5222	*	1020	A
5222	*	1105	A
5222	*	1190	A
5222	*	1275	A
5222	*	1360	A
5222	*	1445	A
5222	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5222	*	0085	B
5222	*	0170	B
5222	*	0255	B
5222	*	0340	B
5222	*	0425	B
5222	*	0510	B
5222	*	0595	B
5222	*	0680	B
5222	*	0765	B
5222	*	0850	B
5222	*	0935	B
5222	*	1020	B
5222	*	1105	B
5222	*	1190	B
5222	*	1275	B
5222	*	1360	B
5222	*	1445	B
5222	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5222	*	0085	C
5222	*	0170	C
5222	*	0255	C
5222	*	0340	C
5222	*	0425	C
5222	*	0510	C
5222	*	0595	C
5222	*	0680	C
5222	*	0765	C
5222	*	0850	C
5222	*	0935	C
5222	*	1020	C
5222	*	1105	C
5222	*	1190	C
5222	*	1275	C
5222	*	1360	C
5222	*	1445	C

MOVEX

SERIES 550

550 FGONE TRACK BELT

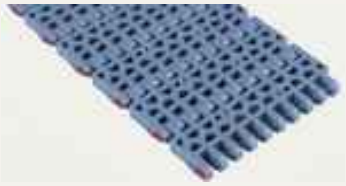
MODULAR BELT SERIES 550 FG, H=8,7 K330

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5222	01	9330	A



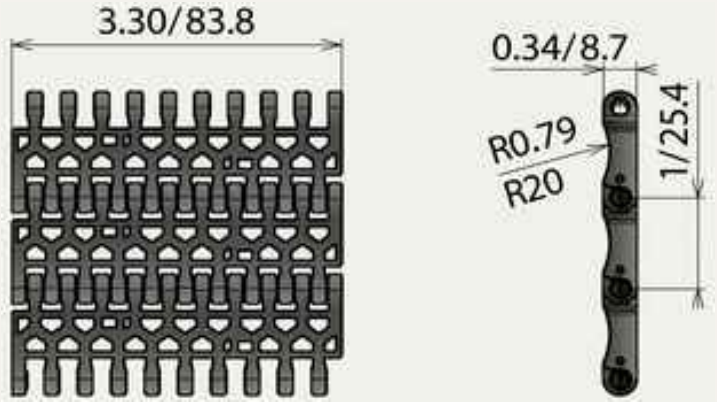
550 FG ONE TRACK BELT



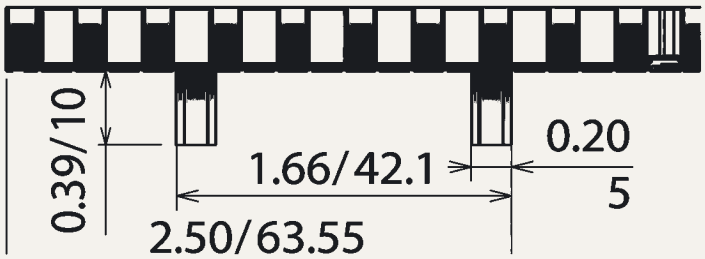
LINK AND PIN DETAIL

* MATERIAL

MATERIAL	CODE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL
LFA – Low friction Acetal	01	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Performance PBT	03	1507 / 22000	1.37 / 6,7	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Aramide Reinforced Acetal	16	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Polyamide Composite	17	1885 / 27500	1.49 / 7,3	-40÷219 / -40÷104	NR	PBT white
MP – Lubricated Acetal	13	1885 / 27500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



VERSION A - STANDARD – BELT AND CROSS-SECTION DIMENSIONS



VERSION C - WITH 2 POSITIONER

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5222	*	9330	A

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5222	*	9330	C

MOVEX

SERIES 550

550 GT MODULAR BELTS

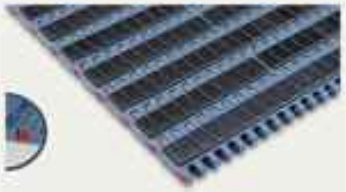
MODULAR BELT SERIES 550 FG, H=8,7 M=85

Backflex radius min. (in-min): 1.18/30

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5223	02	1020	A



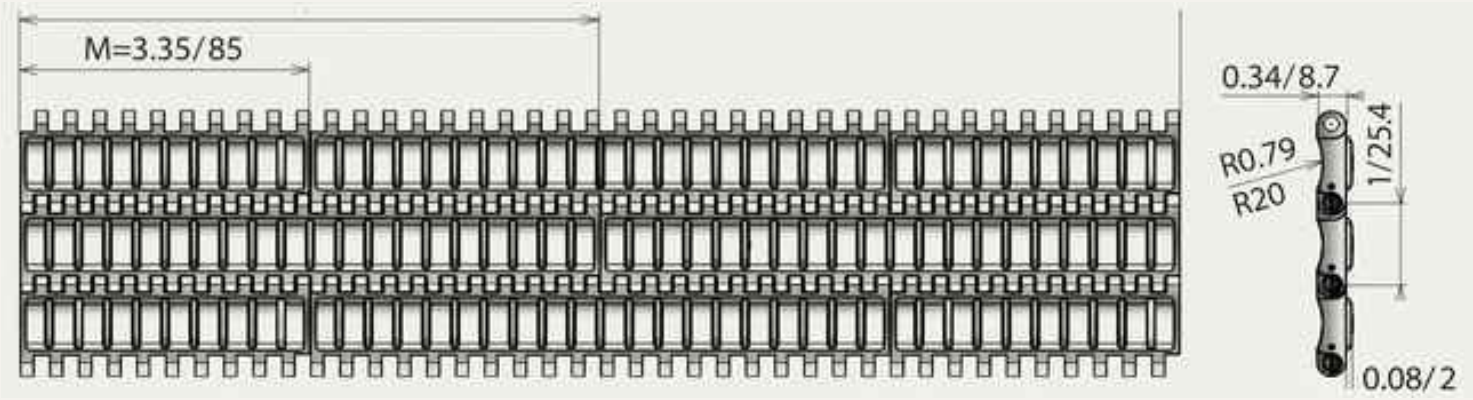
550 GT MODULAR BELT



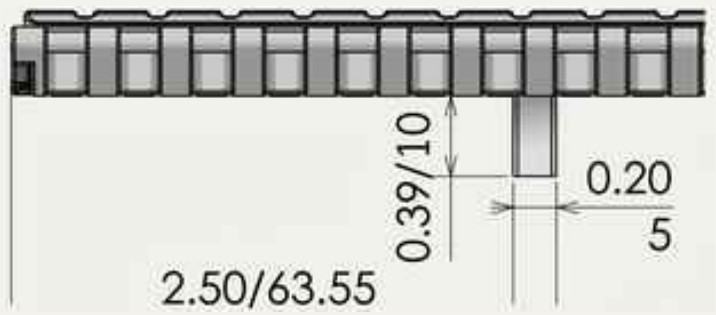
LINK AND PIN DETAIL

* MATERIAL

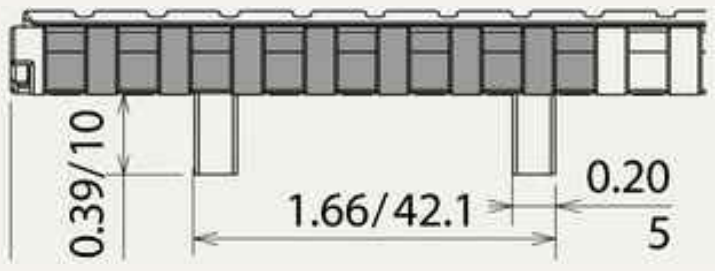
MATERIAL	CODE	MAX W. LOAD (LBS/FT / N/M)	WEIGHT (LBS/FT² / KG/M²)	TEMP. RANGE DRY (°F / °C)	TEMP. RANGE WET (°F / °C)	PIN MATERIAL	HARDNESS
LFA – Low friction Acetal	01	1885 / 27500	2.07 / 10,1	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white	75 ShA
PP – Polypropylene	02	1130 / 16500	1.72 / 8,4	39,2÷176 / -40÷80	39,2÷149 / -40÷65	PP blu	75 ShA
MX – Performance PBT	03	1475 / 21500	2.15 / 10,5	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey	75 ShA



VERSION A - STANDARD – BELT AND CROSS-SECTION DIMENSIONS



VERSION B - WITH 1 POSITIONER



VERSION C - WITH 2 POSITIONER

MOVEX

SERIES 550 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5223	*	0085	A
5223	*	0170	A
5223	*	0255	A
5223	*	0340	A
5223	*	0425	A
5223	*	0510	A
5223	*	0595	A
5223	*	0680	A
5223	*	0765	A
5223	*	0850	A
5223	*	0935	A
5223	*	1020	A
5223	*	1105	A
5223	*	1190	A
5223	*	1275	A
5223	*	1360	A
5223	*	1445	A
5223	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5223	*	0085	B
5223	*	0170	B
5223	*	0255	B
5223	*	0340	B
5223	*	0425	B
5223	*	0510	B
5223	*	0595	B
5223	*	0680	B
5223	*	0765	B
5223	*	0850	B
5223	*	0935	B
5223	*	1020	B
5223	*	1105	B
5223	*	1190	B
5223	*	1275	B
5223	*	1360	B
5223	*	1445	B
5223	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5223	*	0085	C
5223	*	0170	C
5223	*	0255	C
5223	*	0340	C
5223	*	0425	C
5223	*	0510	C
5223	*	0595	C
5223	*	0680	C
5223	*	0765	C
5223	*	0850	C
5223	*	0935	C
5223	*	1020	C
5223	*	1105	C
5223	*	1190	C
5223	*	1275	C
5223	*	1360	C
5223	*	1445	C
5223	*	1530	C

MOVEX

SERIES 550

550 GTSIDE INDENT

550 GT SIDE INDENT

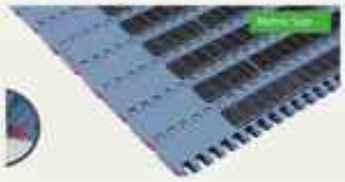
Modular Belt Series 550 GT, H=8,7 M=85

Backflex radius min. (in-min): 1.18/30

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5225	02	0595	B



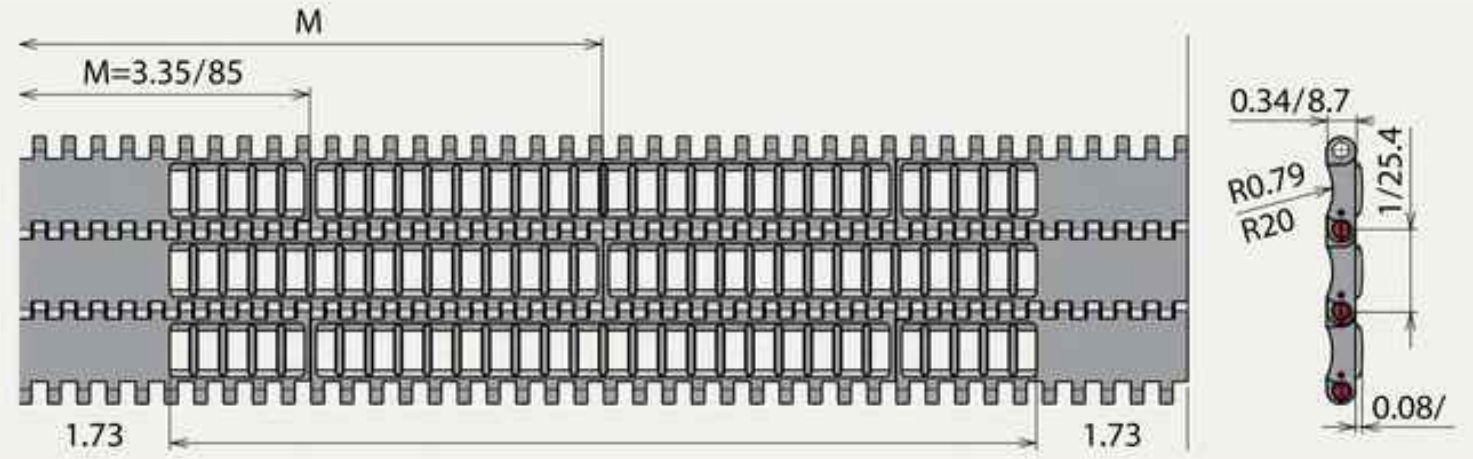
550 GT SIDE INDENT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

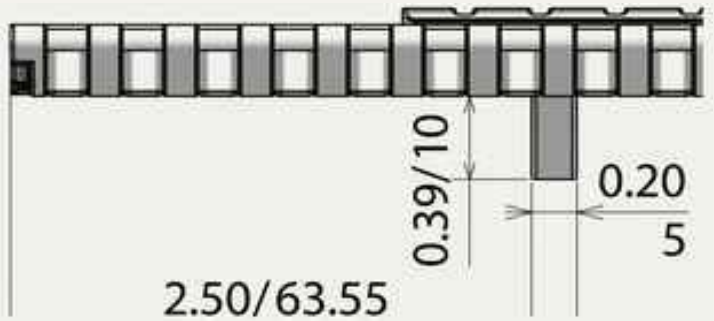
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	1885 LBS/FT / 27500 N/m	2.00 LBS/FT² / 10,1 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	75 ShA
PP - Code 02 – Polypropylene	1130 LBS/FT / 16500 N/m	1.68 LBS/FT² / 8,4 kg/m²	39,2÷176°F / -40÷80 °C	39,2÷149°F / -40÷65 °C	PP blu	75 ShA
MX - Code 03 – Performance PBT	1475 LBS/FT / 21500 N/m	2.11 LBS/FT² / 10,5 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	75 ShA



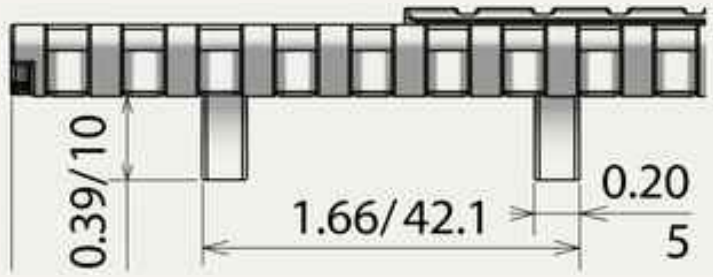
VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 1.73/43.9, 0.34/8.7, 1/25.4, R0.79, R20, 0.08/2 (IN/MM)

MOVEX

SERIES 550 (CONT.)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.39/10, 0.20/5



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.39/10, 0.20/5

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5225	*	0255	A
5225	*	0340	A
5225	*	0425	A
5225	*	0510	A
5225	*	0595	A
5225	*	0680	A
5225	*	0765	A
5225	*	0850	A
5225	*	0935	A
5225	*	1020	A
5225	*	1105	A
5225	*	1190	A
5225	*	1275	A
5225	*	1360	A
5225	*	1445	A
5225	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5225	*	0255	B
5225	*	0340	B
5225	*	0425	B
5225	*	0510	B
5225	*	0595	B
5225	*	0680	B
5225	*	0765	B
5225	*	0850	B
5225	*	0935	B
5225	*	1020	B
5225	*	1105	B
5225	*	1190	B
5225	*	1275	B
5225	*	1360	B
5225	*	1445	B
5225	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5225	*	0255	C
5225	*	0340	C
5225	*	0425	C
5225	*	0510	C
5225	*	0595	C
5225	*	0680	C
5225	*	0765	C
5225	*	0850	C
5225	*	0935	C
5225	*	1020	C
5225	*	1105	C
5225	*	1190	C
5225	*	1275	C
5225	*	1360	C
5225	*	1445	C
5225	*	1530	C

MOVEX

SERIES 551

551 FT

551 FT

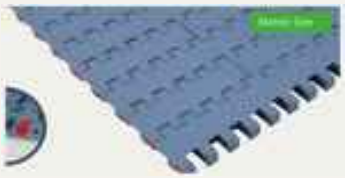
Modular Belt Series 551 FT, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5231	01	0680	C



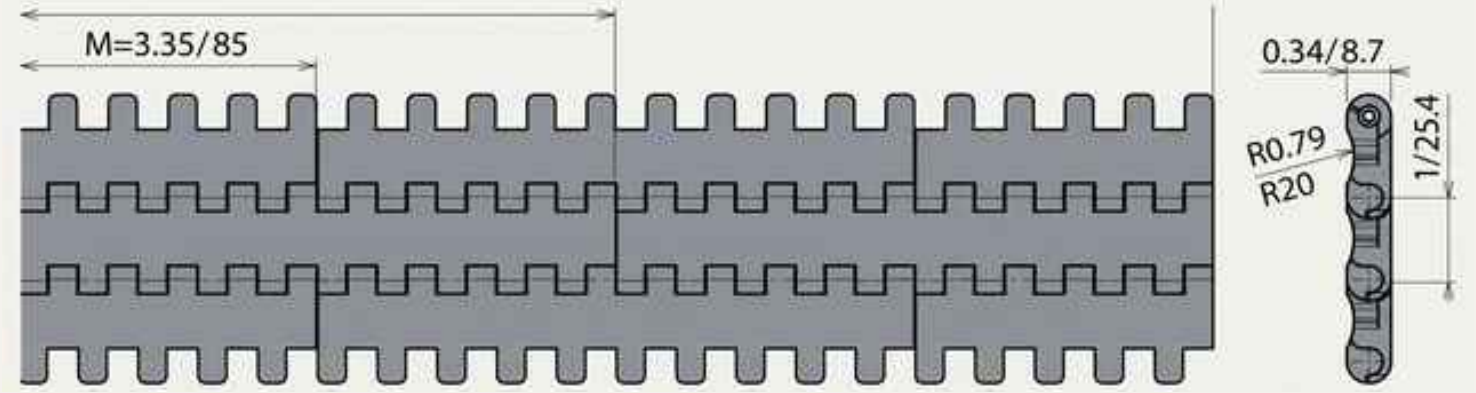
551 FT MODULAR BELT



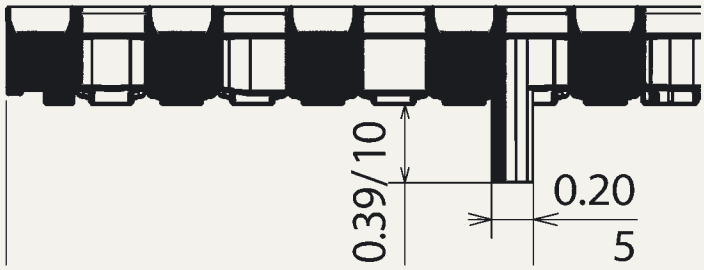
BELT LINK DETAIL

* MATERIAL

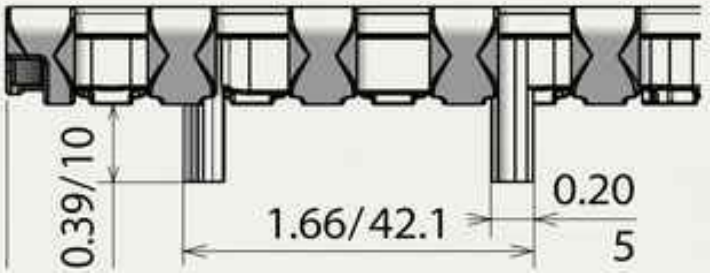
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2296 LBS/FT / 33500 N/m	2.46 LBS/FT² / 12,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT / 41500 N/m	2.66 LBS/FT² / 13,0 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.34/8.7, 1/25.4, R0.79, R20 (IN/MM)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.39/10, 0.20/5



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.39/10, 0.20/5

MOVEX

SERIES 551 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5231	*	0085	A
5231	*	0170	A
5231	*	0255	A
5231	*	0340	A
5231	*	0425	A
5231	*	0510	A
5231	*	0595	A
5231	*	0680	A
5231	*	0765	A
5231	*	0850	A
5231	*	0935	A
5231	*	1020	A
5231	*	1105	A
5231	*	1190	A
5231	*	1275	A
5231	*	1360	A
5231	*	1445	A
5231	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5231	*	0085	B
5231	*	0170	B
5231	*	0255	B
5231	*	0340	B
5231	*	0425	B
5231	*	0510	B
5231	*	0595	B
5231	*	0680	B
5231	*	0765	B
5231	*	0850	B
5231	*	0935	B
5231	*	1020	B
5231	*	1105	B
5231	*	1190	B
5231	*	1275	B
5231	*	1360	B
5231	*	1445	B
5231	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5231	*	0085	C
5231	*	0170	C
5231	*	0255	C
5231	*	0340	C
5231	*	0425	C
5231	*	0510	C
5231	*	0595	C
5231	*	0680	C
5231	*	0765	C
5231	*	0850	C
5231	*	0935	C
5231	*	1020	C
5231	*	1105	C
5231	*	1190	C
5231	*	1275	C
5231	*	1360	C
5231	*	1445	C
5231	*	1530	C

MOVEX

SERIES 551

551 FTT MODULAR BELTS

551 FTT

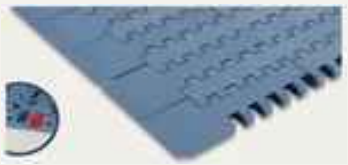
Modular Belt Series 551 FTT, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5236	01	0085	C



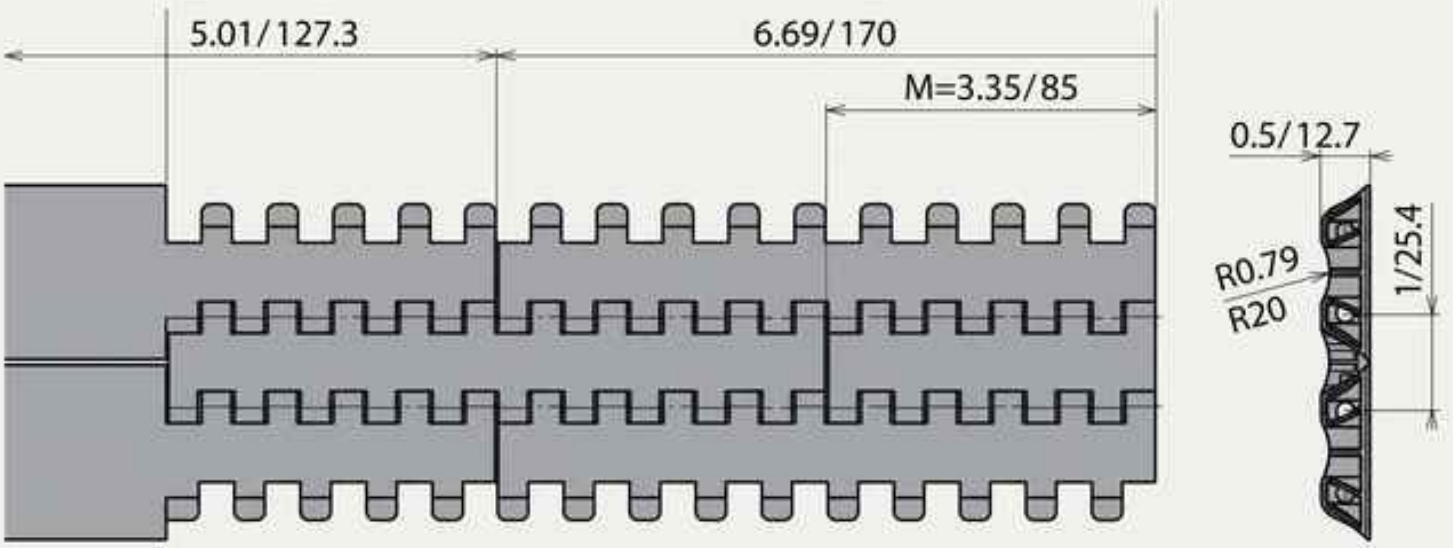
551 FTT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

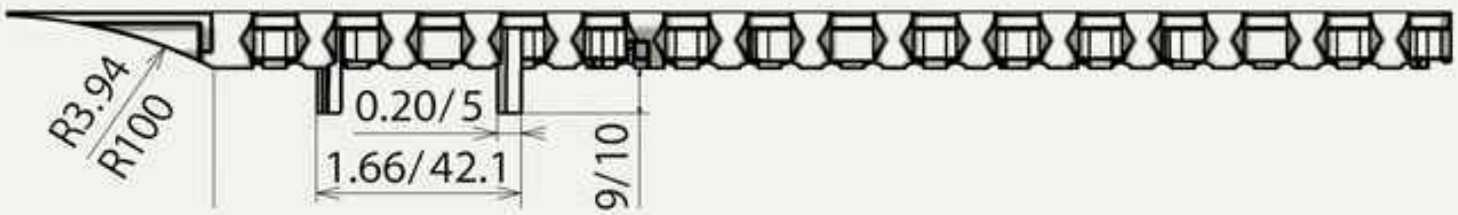
MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2296 LBS/FT / 33500 N/m	2.46 LBS/FT² / 12,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT / 41500 N/m	2.66 LBS/FT² / 13,0 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT / 41500 N/m	2.56 LBS/FT² / 12,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION C: BELT PLAN AND SECTION. 10.04/255, 5.01/127.3, 6.69/170, M=3.35/85, 0.5/12.7, 1/25.4, R0.79, R20 (IN/MM)

MOVEX

SERIES 551 (CONT.)



VERSION CN – NEAR: R3.94/R100, 0.20/5, 1.66/42.1, 0.39/10, 2.50/63.55



VERSION CO – OPPOSITE: R3.94/R100, 0.20/5, 1.66/42.1, 0.39/10, 2.50/63.55

VERSION C

SERIES	MATERIAL	WIDTH	VERSION
5236	*	0085	C

VERSION CN - NEAR

SERIES	MATERIAL	WIDTH	VERSION
5236	*	0170	CN
5236	*	0255	CN

VERSION CO - OPPOSITE

SERIES	MATERIAL	WIDTH	VERSION
5236	*	0170	CO
5236	*	0255	CO

MOVEX

SERIES 551

551 GT

551 GT

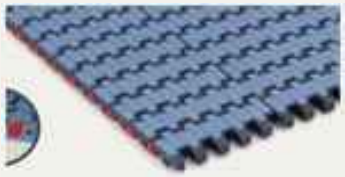
Modular Belt Series 551 GT, H=12,7 M=85

Backflex radius min. (in-min): 1.18/30

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5233	01	0255	B



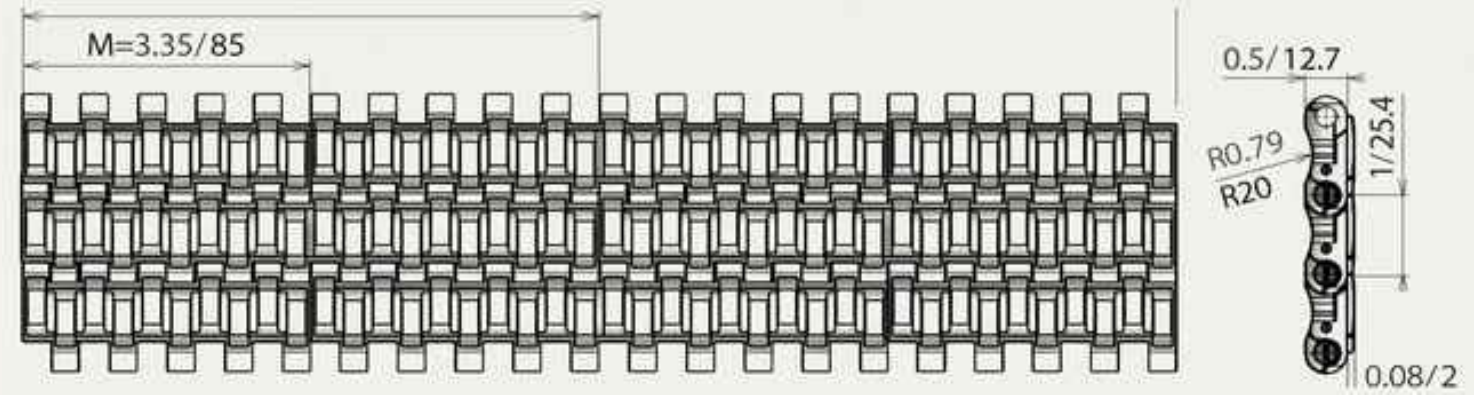
551 GT MODULAR BELT



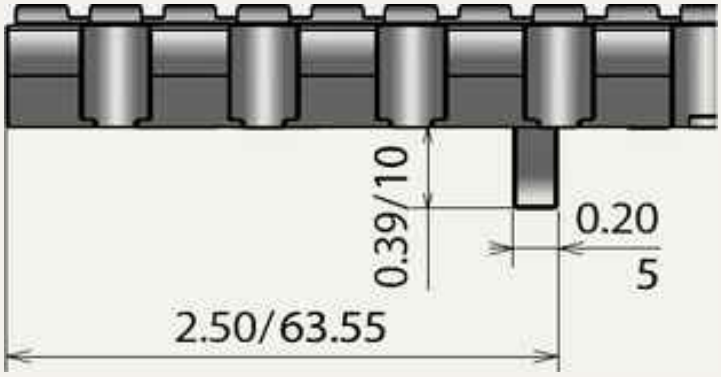
BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	75 ShA
PP - Code 02 – Polypropylene	1850 LBS/FT / 27000 N/m	2.25 LBS/FT² / 11,0 kg/m²	39,2÷176°F / 4÷80 °C	39,2÷149°F / 4÷65 °C	PP blu	75 ShA
MX - Code 03 – Performance PBT	2295 LBS/FT / 33500 N/m	2.60 LBS/FT² / 12,7 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	75 ShA



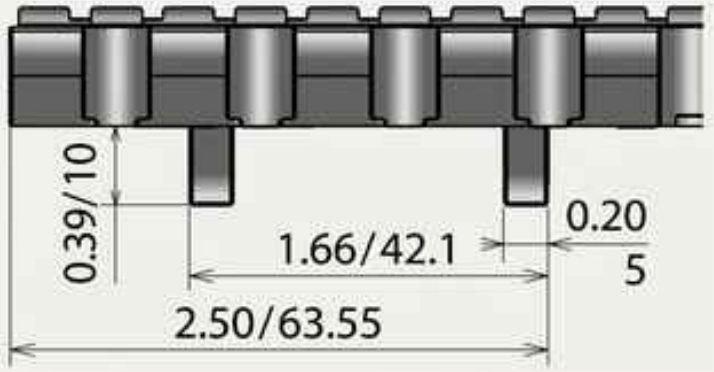
VERSION A – STANDARD: BELT CROSS-SECTION. WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, 1/25.4, R0.79, R20, 0.08/2 (IN/MM)



VERSION B – WITH 1 POSITIONER: 2.50/63.55, 0.39/10, 0.20/5

MOVEX

SERIES 551 (CONT.)



VERSION C – WITH 2 POSITIONER: 2.50/63.55, 1.66/42.1, 0.39/10, 0.20/5

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5233	*	0085	A
5233	*	0170	A
5233	*	0255	A
5233	*	0340	A
5233	*	0425	A
5233	*	0510	A
5233	*	0595	A
5233	*	0680	A
5233	*	0765	A
5233	*	0850	A
5233	*	0935	A
5233	*	1020	A
5233	*	1105	A
5233	*	1190	A
5233	*	1275	A
5233	*	1360	A
5233	*	1445	A
5233	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5233	*	0085	B
5233	*	0170	B
5233	*	0255	B
5233	*	0340	B
5233	*	0425	B
5233	*	0510	B
5233	*	0595	B
5233	*	0680	B
5233	*	0765	B
5233	*	0850	B
5233	*	0935	B
5233	*	1020	B
5233	*	1105	B
5233	*	1190	B
5233	*	1275	B
5233	*	1360	B
5233	*	1445	B
5233	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5233	*	0085	C
5233	*	0170	C
5233	*	0255	C
5233	*	0340	C
5233	*	0425	C
5233	*	0510	C
5233	*	0595	C
5233	*	0680	C
5233	*	0765	C
5233	*	0850	C
5233	*	0935	C
5233	*	1020	C
5233	*	1105	C
5233	*	1190	C
5233	*	1275	C
5233	*	1360	C
5233	*	1445	C
5233	*	1530	C

MOVEX

SERIES 551

551 GT SIDE INDENT

MODULAR BELT SERIES 551 GT, H=12,7 M=85

Backflex radius min. (in-min): 1.18 / 30

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5235	02	0765	A



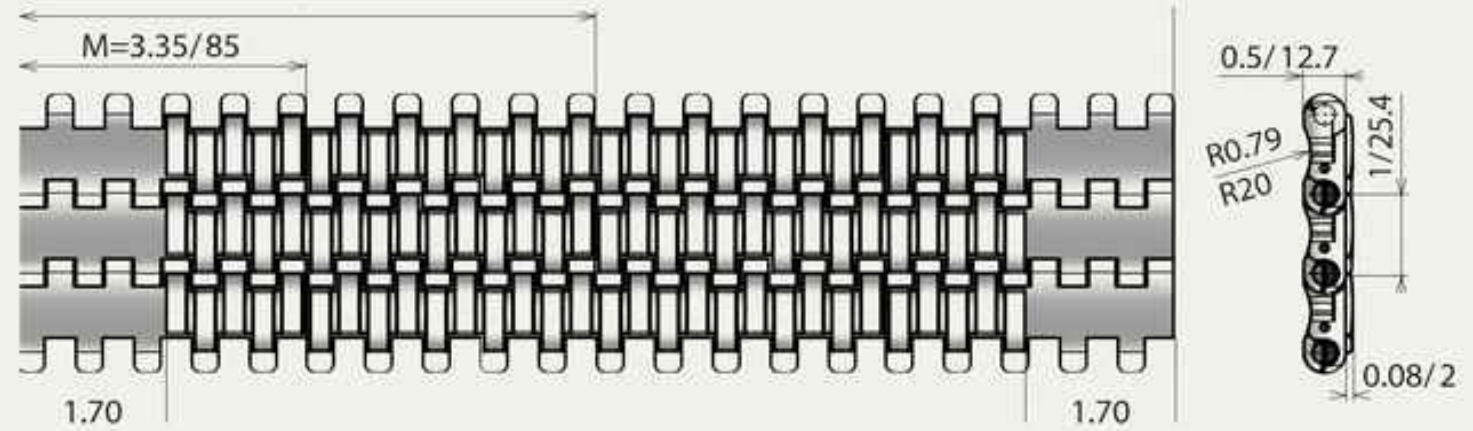
551 GT SIDE INDENT MODULAR BELT

* MATERIAL

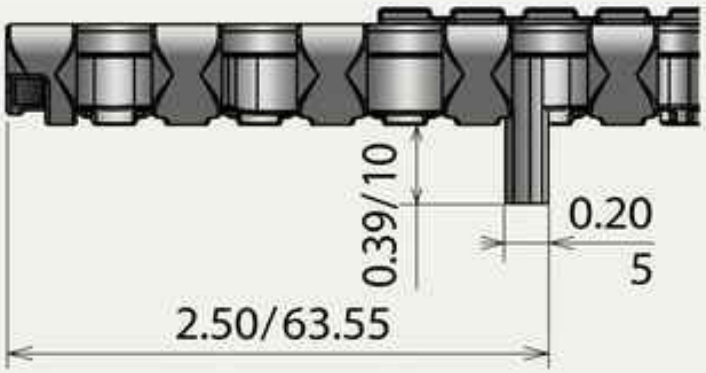
PROPERTY	VALUE
LFA - CODE 01 — LOW FRICTION ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	2.70 LBS/FT² / 13,5 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white
Hardness	75 ShA
PP - CODE 02 — POLYPROPYLENE	
Max w. load	1850 LBS/FT / 27000 N/m
Weight	2.21 LBS/FT² / 11,0 kg/m²
Temp. range dry	39,2÷176 °F / 4÷80 °C
Temp. range wet	39,2÷149 °F / 4÷65 °C
Pin material	PP blu
Hardness	75 ShA
MX - CODE 03 — PERFORMANCE PBT	
Max w. load	2295 LBS/FT / 33500 N/m
Weight	2.56 LBS/FT² / 12,7 kg/m²
Temp. range dry	-40÷248 °F / -40÷120 °C
Temp. range wet	-40÷140 °F / -40÷60 °C
Pin material	POM grey
Hardness	75 ShA

MOVEX

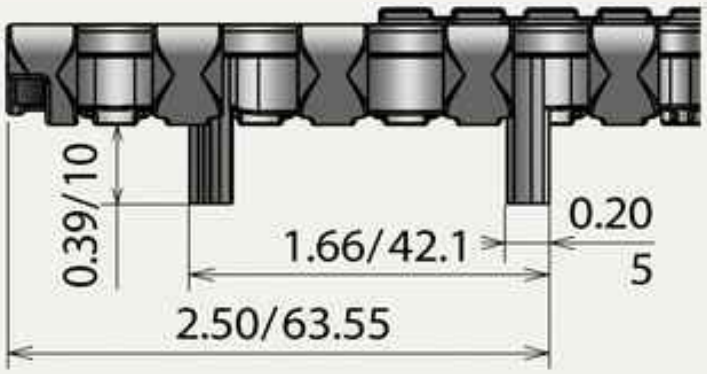
SERIES 551 (CONT.)



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85, 1.70/43.5, 0.5/12.7, 1/25.4, R0.79/R20, 0.08/2



VERSION B - WITH 1 POSITIONER: 0.39/10, 0.20/5, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.39/10, 1.66/42.1, 0.20/5, 2.50/63.55

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5235	*	0255	A
5235	*	0340	A
5235	*	0425	A
5235	*	0510	A
5235	*	0595	A
5235	*	0680	A
5235	*	0765	A
5235	*	0850	A
5235	*	0935	A
5235	*	1020	A
5235	*	1105	A
5235	*	1190	A
5235	*	1275	A
5235	*	1360	A
5235	*	1445	A
5235	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5235	*	0255	B
5235	*	0340	B
5235	*	0425	B
5235	*	0510	B
5235	*	0595	B
5235	*	0680	B
5235	*	0765	B
5235	*	0850	B
5235	*	0935	B
5235	*	1020	B
5235	*	1105	B
5235	*	1190	B
5235	*	1275	B
5235	*	1360	B
5235	*	1445	B
5235	*	1530	B

MOVEX

SERIES 551 (CONT.)

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5235	*	0255	C
5235	*	0340	C
5235	*	0425	C
5235	*	0510	C
5235	*	0595	C
5235	*	0680	C
5235	*	0765	C
5235	*	0850	C
5235	*	0935	C
5235	*	1020	C
5235	*	1105	C
5235	*	1190	C
5235	*	1275	C
5235	*	1360	C
5235	*	1445	C
5235	*	1530	C

MOVEX

SERIES 551

551 LBP

MODULAR BELT SERIES 551 LBP, H=12,7 M=85

Backflex radius min. (in-min): 4.72 / 120

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5234	01	0425	A

SEE ALSO

pg. 186-187

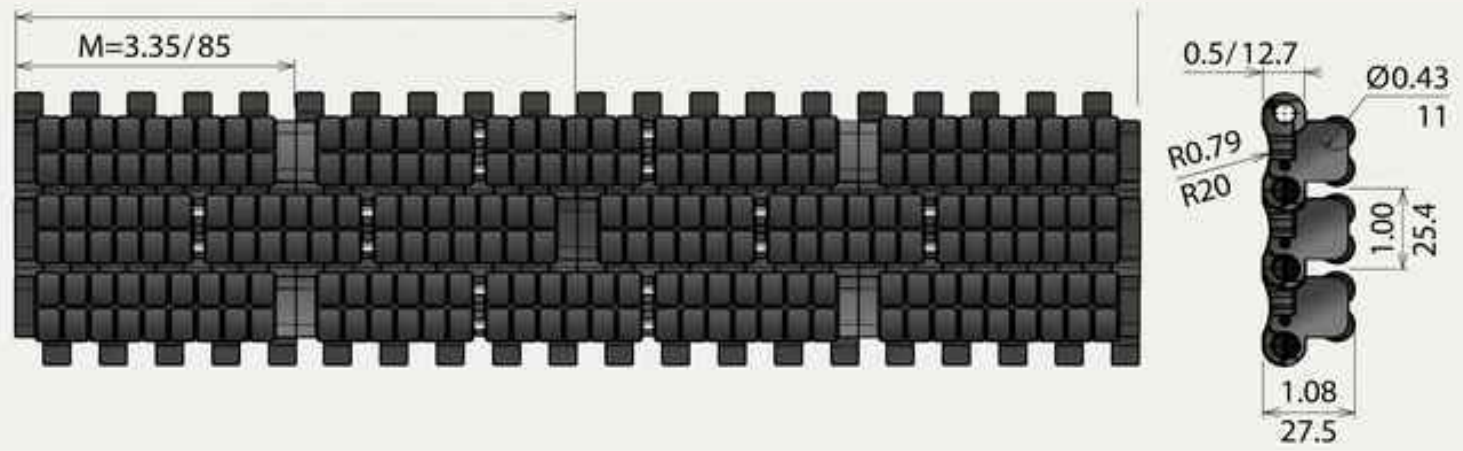
pg. 380>386



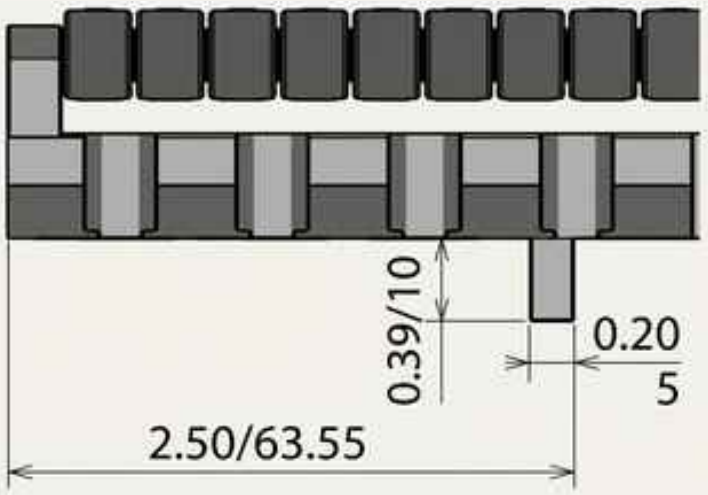
551 LBP MODULAR BELT

* MATERIAL

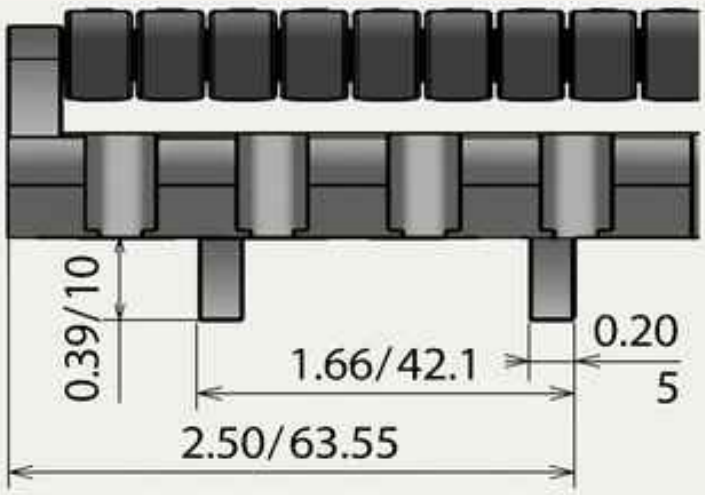
PROPERTY	VALUE
LFA - CODE 01 — LOW FRICTION ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	5.51 LBS/FT² / 26,9 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white



VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, Ø0.43/11, R0.79/R20, 1.00/25.4, 1.08/27.5



VERSION B - WITH 1 POSITIONER: 0.39/10, 0.20/5, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.39/10, 1.66/42.1, 0.20/5, 2.50/63.55

MOVEX

SERIES 551 (CONT.)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5234	*	0085	A
5234	*	0170	A
5234	*	0255	A
5234	*	0340	A
5234	*	0425	A
5234	*	0510	A
5234	*	0595	A
5234	*	0680	A
5234	*	0765	A
5234	*	0850	A
5234	*	0935	A
5234	*	1020	A
5234	*	1105	A
5234	*	1190	A
5234	*	1275	A
5234	*	1360	A
5234	*	1445	A
5234	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES	MATERIAL	WIDTH	VERSION
5234	*	0085	B
5234	*	0170	B
5234	*	0255	B
5234	*	0340	B
5234	*	0425	B
5234	*	0510	B
5234	*	0595	B
5234	*	0680	B
5234	*	0765	B
5234	*	0850	B
5234	*	0935	B
5234	*	1020	B
5234	*	1105	B
5234	*	1190	B
5234	*	1275	B
5234	*	1360	B
5234	*	1445	B
5234	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5234	*	0085	C
5234	*	0170	C
5234	*	0255	C
5234	*	0340	C
5234	*	0425	C
5234	*	0510	C
5234	*	0595	C
5234	*	0680	C
5234	*	0765	C
5234	*	0850	C
5234	*	0935	C
5234	*	1020	C
5234	*	1105	C
5234	*	1190	C
5234	*	1275	C
5234	*	1360	C
5234	*	1445	C
5234	*	1530	C

MOVEX

SERIES 551

551 LBP PRO

MODULAR BELT SERIES 551 PRO LBP, H=12,15 M=85

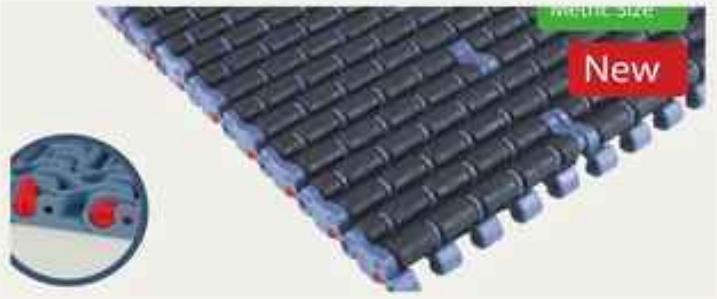
Backflex radius min. (in-min): 4.72 / 120

Metric Size

New

CODE STRUCTURE GUIDE (EXAMPLE)

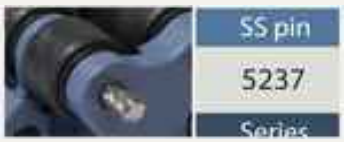
SERIES	* MATERIAL	WIDTH	VERSION
5237	01	0425	A



551 LBP PRO MODULAR BELT

* MATERIAL

PROPERTY	VALUE
LFA - CODE 01 — LOW FRICTION ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	5.51 LBS/FT² / 26,9 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white

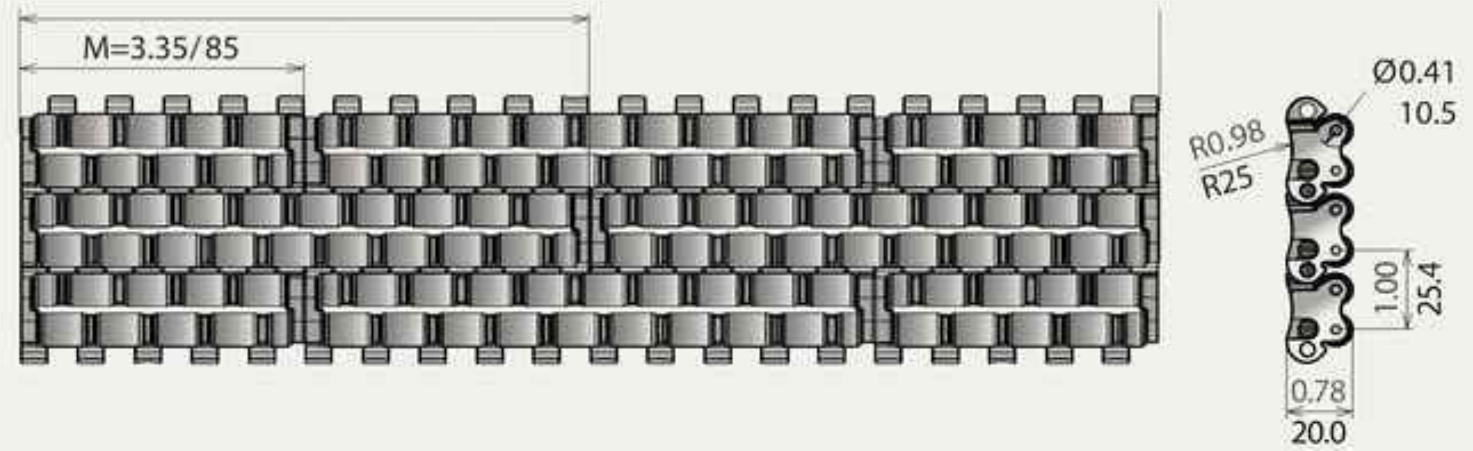


SS PIN – 5237 SERIES



PLASTIC PIN – 5238 SERIES

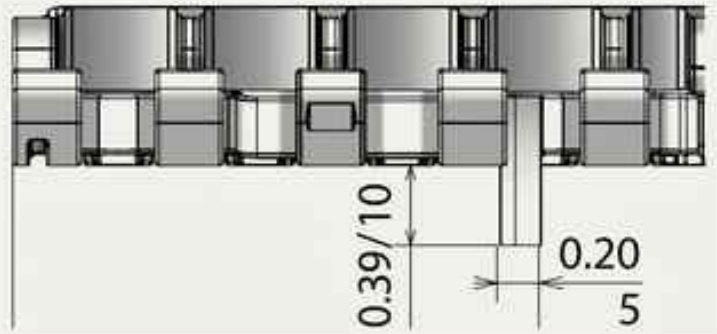
Patented



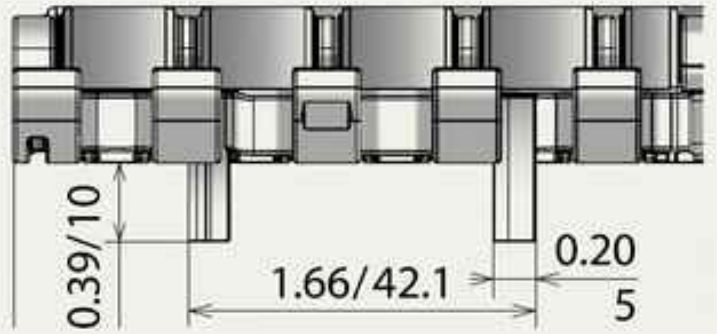
VERSION A - STANDARD: WIDTH, 6.69/170, M=3.35/85, Ø0.41/10.5, R0.98/R25, 1.00/25.4, 0.78/20.0

MOVEX

SERIES 551 (CONT.)



VERSION B - WITH 1 POSITIONER: 0.39/10, 0.20/5, 2.50/63.55



VERSION C - WITH 2 POSITIONER: 0.39/10, 1.66/42.1, 0.20/5, 2.50/63.55

VERSION A - STANDARD

SERIES		MATERIAL	WIDTH	VERSION
SS PIN	PLASTIC PIN			
5237	5238	*	0085	A
5237	5238	*	0170	A
5237	5238	*	0255	A
5237	5238	*	0340	A
5237	5238	*	0425	A
5237	5238	*	0510	A
5237	5238	*	0595	A
5237	5238	*	0680	A
5237	5238	*	0765	A
5237	5238	*	0850	A
5237	5238	*	0935	A
5237	5238	*	1020	A
5237	5238	*	1105	A
5237	5238	*	1190	A
5237	5238	*	1275	A
5237	5238	*	1360	A
5237	5238	*	1445	A
5237	5238	*	1530	A

VERSION B - WITH 1 POSITIONER

SERIES		MATERIAL	WIDTH	VERSION
SS PIN	PLASTIC PIN			
5237	5238	*	0085	B
5237	5238	*	0170	B
5237	5238	*	0255	B
5237	5238	*	0340	B
5237	5238	*	0425	B
5237	5238	*	0510	B
5237	5238	*	0595	B
5237	5238	*	0680	B
5237	5238	*	0765	B
5237	5238	*	0850	B
5237	5238	*	0935	B
5237	5238	*	1020	B
5237	5238	*	1105	B
5237	5238	*	1190	B
5237	5238	*	1275	B
5237	5238	*	1360	B
5237	5238	*	1445	B
5237	5238	*	1530	B

VERSION C - WITH 2 POSITIONERS

SERIES		MATERIAL	WIDTH	VERSION
SS PIN	PLASTIC PIN			
5237	5238	*	0085	C
5237	5238	*	0170	C
5237	5238	*	0255	C
5237	5238	*	0340	C
5237	5238	*	0425	C
5237	5238	*	0510	C
5237	5238	*	0595	C
5237	5238	*	0680	C
5237	5238	*	0765	C
5237	5238	*	0850	C
5237	5238	*	0935	C
5237	5238	*	1020	C

MOVEX

SERIES 552

552 FT

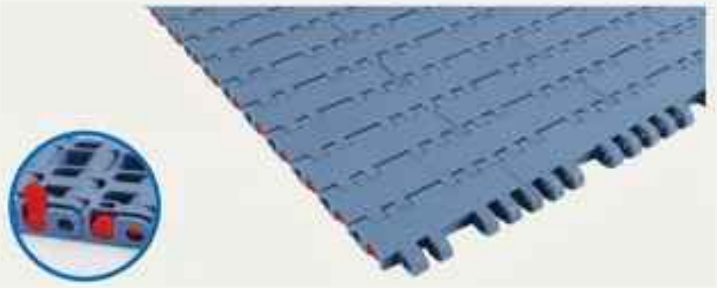
MODULAR BELT SERIES 552 FT, H=12,7 M=3”

Backflex radius min. (in-min): 0.98 / 25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5341	01	0021	A



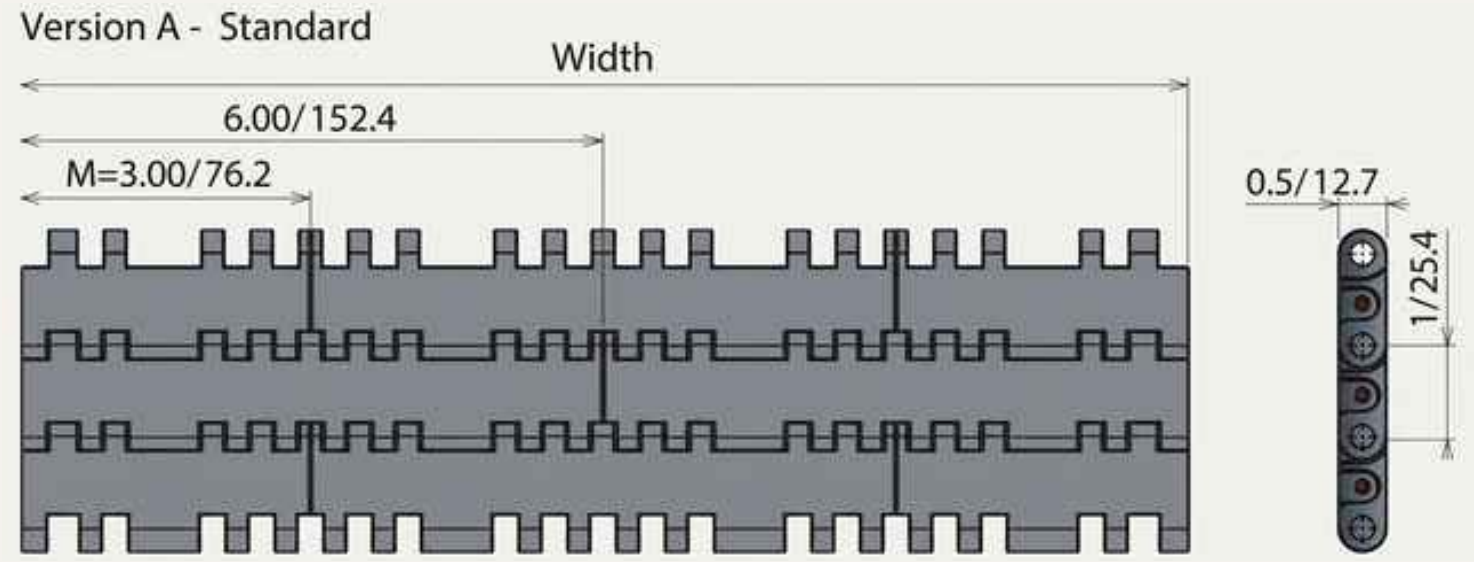
552 FT MODULAR BELT

* MATERIAL

PROPERTY	VALUE
LFA - CODE 01 — LOW FRICTION ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	2.76 LBS/FT² / 13,5 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white
MX - CODE 03 — PERFORMANCE PBT	
Max w. load	2295 LBS/FT / 33500 N/m
Weight	2.76 LBS/FT² / 13,0 kg/m²
Temp. range dry	-40÷248 °F / -40÷120 °C
Temp. range wet	-40÷140 °F / -40÷60 °C
Pin material	POM grey
DKM - CODE 16 — ARAMIDE REINFORCED ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	2.76 LBS/FT² / 13,5 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white
MWX - CODE 17 — POLYAMIDE COMPOSITE	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	2.87 LBS/FT² / 14,0 kg/m²
Temp. range dry	-40÷219 °F / -40÷104 °C
Temp. range wet	NR
Pin material	PBT white
MP - CODE 13 — LUBRICATED ACETAL	
Max w. load	2845 LBS/FT / 41500 N/m
Weight	2.76 LBS/FT² / 13,5 kg/m²
Temp. range dry	-40÷176 °F / -40÷80 °C
Temp. range wet	-40÷149 °F / -40÷65 °C
Pin material	PBT white

MOVEX

SERIES 552 (CONT.)



VERSION A - STANDARD: WIDTH, 6.00/152.4, M=3.00/76.2, 0.5/12.7, 1/25.4

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5341	*	0009	A
5341	*	0012	A
5341	*	0015	A
5341	*	0018	A
5341	*	0021	A
5341	*	0024	A
5341	*	0027	A
5341	*	0030	A
5341	*	0033	A
5341	*	0036	A
5341	*	0039	A
5341	*	0042	A
5341	*	0045	A
5341	*	0048	A
5341	*	0051	A
5341	*	0054	A

MOVEX

SERIES 552

552 FT ONE TRACK BELT

552 FT - ONE TRACK BELT

Modular Belt Series 552 FT, H=12,7 M=3"

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5341	01	0003	A



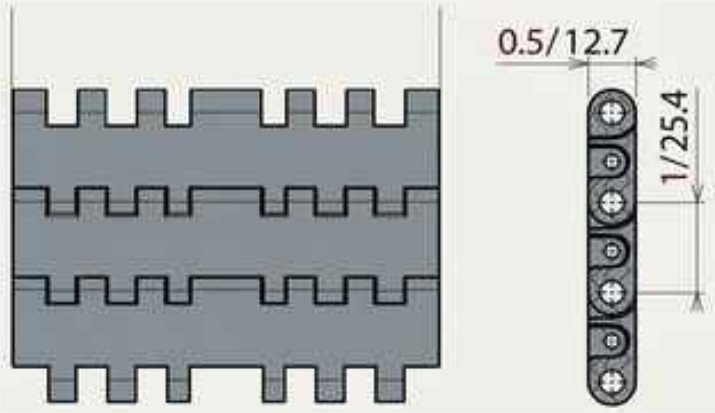
SERIES 552 FT ONE TRACK BELT



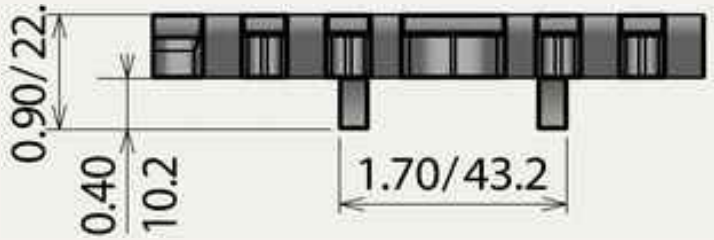
BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2295 LBS/FT / 33500 N/m	2.76 LBS/FT² / 13,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT / 41500 N/m	2.87 LBS/FT² / 14,0 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



VERSION A – STANDARD: TOP VIEW AND SECTION. WIDTH, 0.5/12.7, 1/25.4 (IN/MM)



VERSION C – WITH 2 POSITIONER: 0.90/22.9, 0.40/10.2, 1.70/43.2 (IN/MM)

VERSION A/C - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5341	*	0003	A
5341	*	0006	A
5341	*	0003	C
5341	*	0006	C

MOVEX

SERIES 552 (CONT.)



K325 – ONE TRACK BELT

K325 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5341	*	9325	A
5341	*	9325	C



K450 – ONE TRACK BELT

K450 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5341	*	9450	A
5341	*	9450	C



K750 – ONE TRACK BELT

K750 - ONE TRACK BELT

SERIES	MATERIAL	WIDTH	VERSION
5341	*	9750	A
5341	*	9750	C

MOVEX

SERIES 552

552 FTT

552 FTT

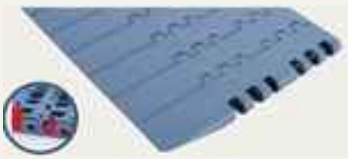
Modular Belt Series 552 FTT, H=12,7 M=3"

Backflex radius min. (in-min): 0.98/25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5346	01	9450	C-R



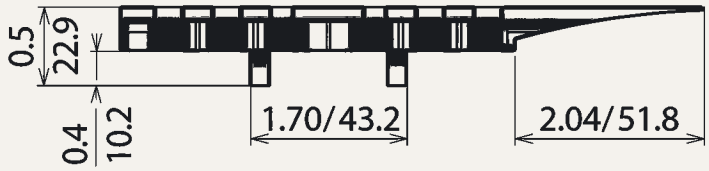
SERIES 552 FTT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2295 LBS/FT / 33500 N/m	2.76 LBS/FT² / 13,0 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT / 41500 N/m	2.87 LBS/FT² / 14,0 kg/m²	-40÷219°F / -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT / 41500 N/m	2.76 LBS/FT² / 13,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white



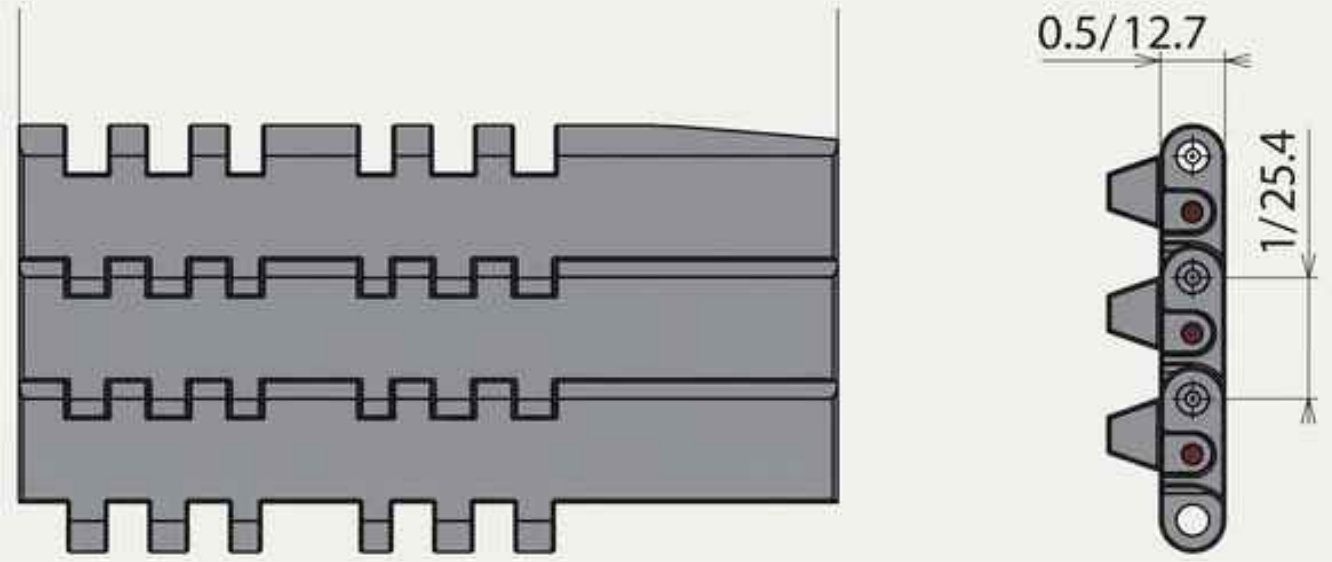
552 FTT – DX VERSION, SIDE SECTION: 0.5/22.9, 0.4/10.2, 1.70/43.2, 2.04/51.8 (IN/MM)

K450 / K750 - DX VERSION

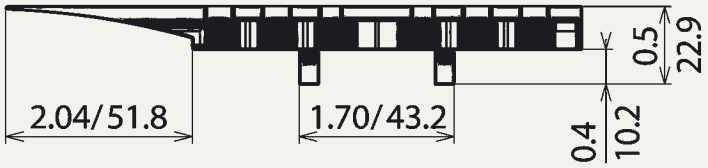
SERIES	MATERIAL	WIDTH	VERSION
5346	*	9450	C-R
5346	*	9750	C-R

MOVEX

SERIES 552 (CONT.)



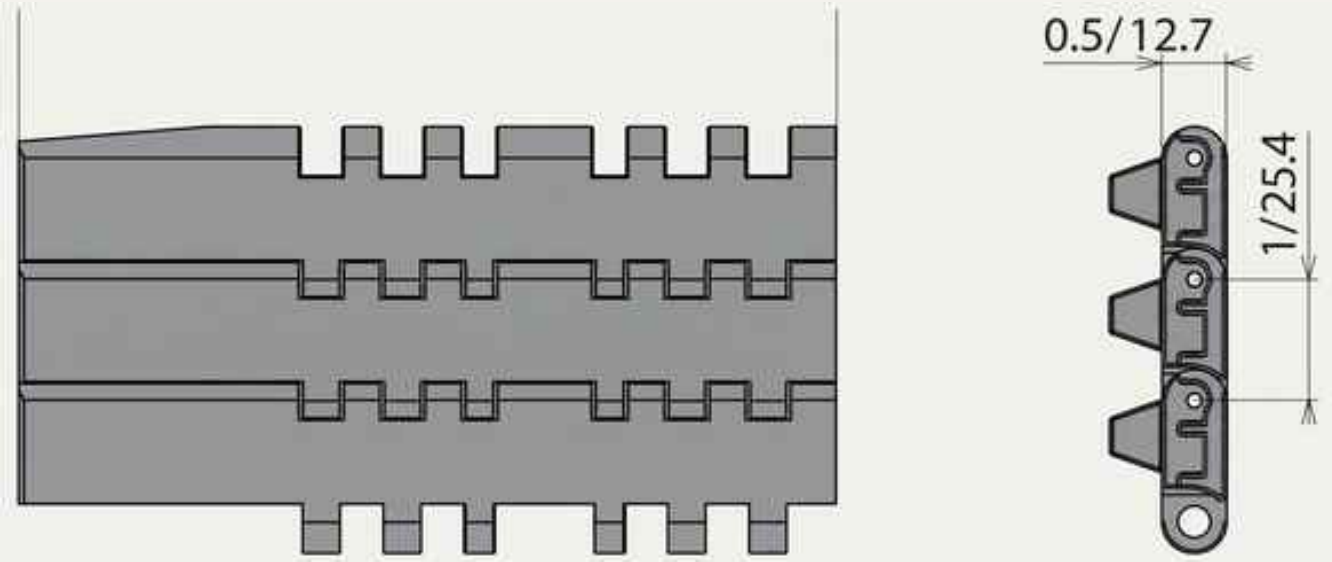
552 FTT – DX VERSION, TOP VIEW AND CROSS-SECTION: WIDTH, 0.5/12.7, 1/25.4 (IN/MM)



552 FTT – SX VERSION, SIDE SECTION: 2.04/51.8, 1.70/43.2, 0.5/22.9, 0.4/10.2 (IN/MM)

K450 / K750 - SX VERSION

SERIES	MATERIAL	WIDTH	VERSION
5346	*	9450	C-L
5346	*	9750	C-L



552 FTT – SX VERSION, TOP VIEW AND CROSS-SECTION: WIDTH, 0.5/12.7, 1/25.4 (IN/MM)

MOVEX

SERIES 552

552 GT MODULAR BELTS

552 GT

Modular Belt Series 552 GT, H=12,7 M=3"

Backflex radius min. (in-min): 0.98/25

Imperial Size

New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5343	01	0009	A



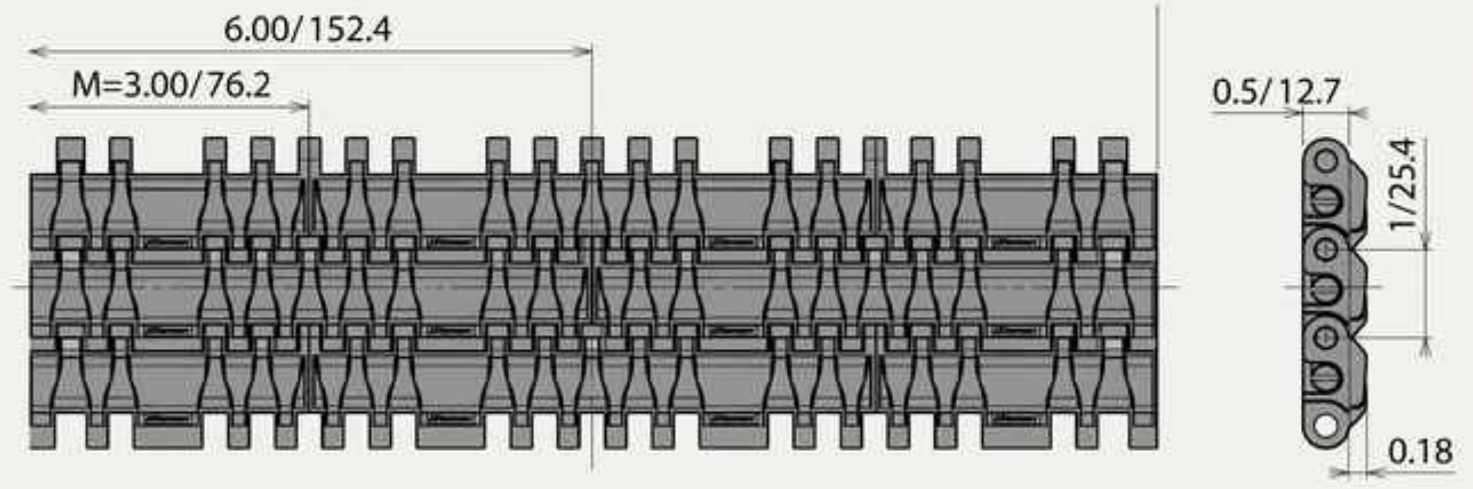
SERIES 552 GT MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	3.17 LBS/FT² / 15,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	50 ShA
PP - Code 02 – Polypropylene	1850 LBS/FT / 27000 N/m	2.76 LBS/FT² / 13,5 kg/m²	39,2÷176°F / 4÷80 °C	39,2÷149°F / 4÷65 °C	PP blu	50 ShA
MX - Code 03 – Performance PBT	2295 LBS/FT / 33500 N/m	3.01 LBS/FT² / 14,7 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	50 ShA



VERSION A – STANDARD: WIDTH, 6.00/152.4, M=3.00/76.2, 0.5/12.7, 1/25.4, 0.18, 4.7 (IN/MM)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5343	*	0009	A
5343	*	0012	A
5343	*	0015	A
5343	*	0018	A
5343	*	0021	A
5343	*	0024	A

MOVEX

SERIES 552

552 GTSIDE INDENT

552 GT SIDE INDENT

Modular Belt Series 552 GT Side indent, H=12,7 M=3"

Backflex radius min. (in-min): 0.98/25

Imperial Size

New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5345	01	0009	A



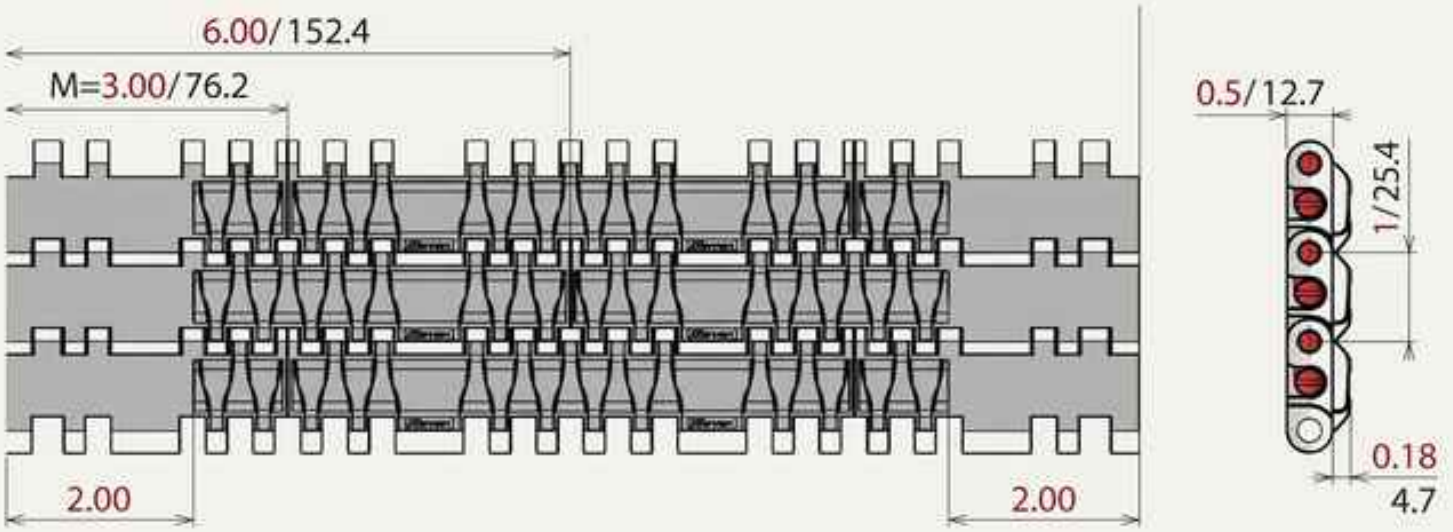
SERIES 552 GT SIDE INDENT
MODULAR BELT



BELT LINK DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS
LFA - Code 01 – Low friction Acetal	2845 LBS/FT / 41500 N/m	3.17 LBS/FT² / 15,5 kg/m²	-40÷176°F / -40÷80 °C	-40÷149°F / -40÷65 °C	PBT white	50 ShA
PP - Code 02 – Polypropylene	1850 LBS/FT / 27000 N/m	2.76 LBS/FT² / 13,5 kg/m²	39,2÷176°F / 4÷80 °C	39,2÷149°F / 4÷65 °C	PP blu	50 ShA
MX - Code 03 – Performance PBT	2295 LBS/FT / 33500 N/m	3.01 LBS/FT² / 14,7 kg/m²	-40÷248°F / -40÷120 °C	-40÷140°F / -40÷60 °C	POM grey	50 ShA



VERSION A – STANDARD: WIDTH, 6.00/152.4, M=3.00/76.2, 2.00/50.8, 0.5/12.7, 1/25.4, 0.18, 4.7 (IN/MM)

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5345	*	0009	A
5345	*	0012	A
5345	*	0015	A
5345	*	0018	A
5345	*	0021	A

MOVEX

SERIES 552

552 PT – MODULAR BELT SERIES 552 PT, H=12,7 M=3”

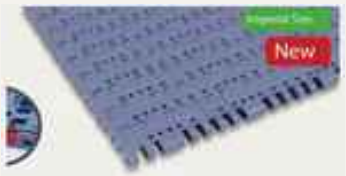
Modular Belt Series 552 PT, H=12,7 M=3”

Backflex radius min. (in-min): 0.98/ 25

Imperial Size – New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5342	01	0009	A



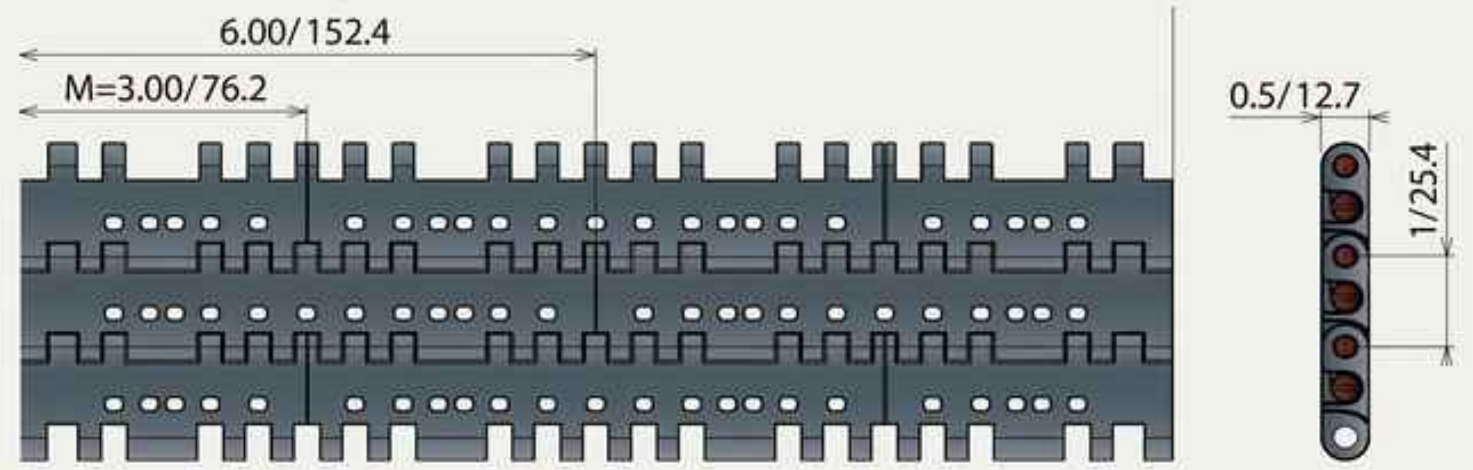
552 PT MODULAR BELT



MODULE DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2295 LBS/FT/ 33500 N/m	2.60 LBS/FT²/ 12,7 kg/m²	-40÷248°F/ -40÷120 °C	-40÷140°F/ -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT/ 41500 N/m	2.80 LBS/FT²/ 13,7 kg/m²	-40÷219°F/ -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white



VERSION A - STANDARD: WIDTH 6.00/152.4, M=3.00/76.2, SECTION 0.5/12.7 AND 1/25.4

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5342	*	0009	A
5342	*	0012	A
5342	*	0015	A
5342	*	0018	A
5342	*	0021	A
5342	*	0024	A
5342	*	0027	A
5342	*	0030	A
5342	*	0033	A

MOVEX

SERIES 552

552 PT ONE TRACK BELT – MODULAR BELT SERIES 552 PT, H=12,7 M=3”

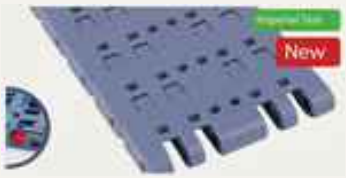
Modular Belt Series 552 PT, H=12,7 M=3”

Backflex radius min. (in-min): 0.98/ 25

Imperial Size – New

CODE STRUCTURE GUIDE (EXAMPLE)

SERIES	* MATERIAL	WIDTH	VERSION
5342	01	0003	A



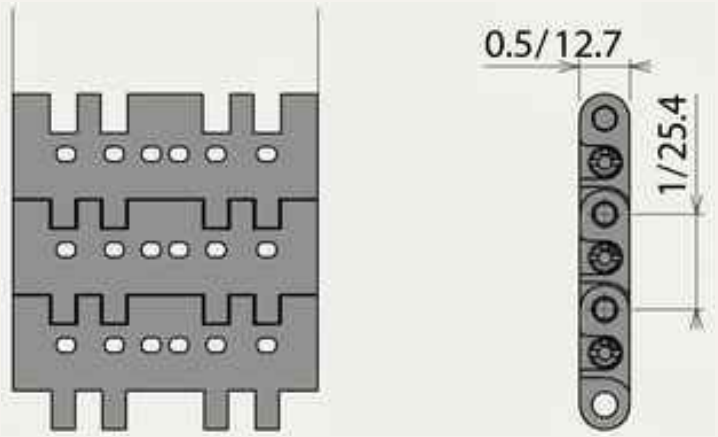
552 PT ONE TRACK BELT



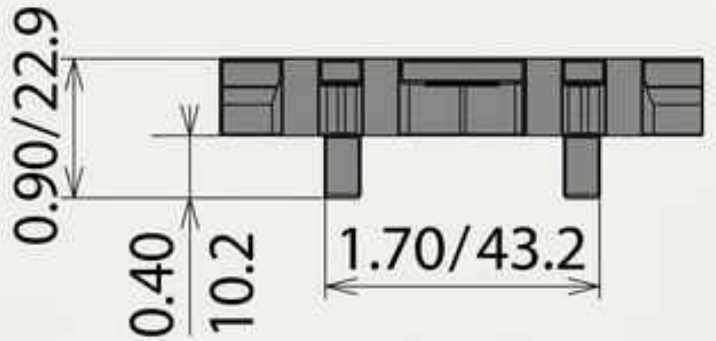
MODULE DETAIL

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	2295 LBS/FT/ 33500 N/m	2.60 LBS/FT²/ 12,7 kg/m²	-40÷248°F/ -40÷120 °C	-40÷140°F/ -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2845 LBS/FT/ 41500 N/m	2.80 LBS/FT²/ 13,7 kg/m²	-40÷219°F/ -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2845 LBS/FT/ 41500 N/m	2.70 LBS/FT²/ 13,2 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white



VERSION A - STANDARD: WIDTH VIEW AND SECTION 0.5/12.7, 1/25.4



VERSION C - WITH 2 POSITIONER: 0.90/22.9, 0.40/10.2, 1.70/43.2

VERSION A - STANDARD

SERIES	MATERIAL	WIDTH	VERSION
5342	*	0003	A
5342	*	0006	A

VERSION C - WITH 2 POSITIONERS

SERIES	MATERIAL	WIDTH	VERSION
5342	*	0003	C
5342	*	0006	C

MOVEX

SERIES 556

556 FT – SIDE FLEX MODULAR BELT SERIES 556, H=12,7 M=3”

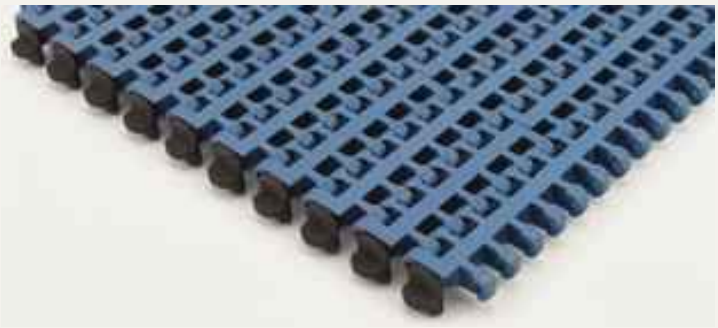
Side Flex Modular Belt Series 556, H=12,7 M=3”

Backflex radius min. (in-min): 0.98/ 25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

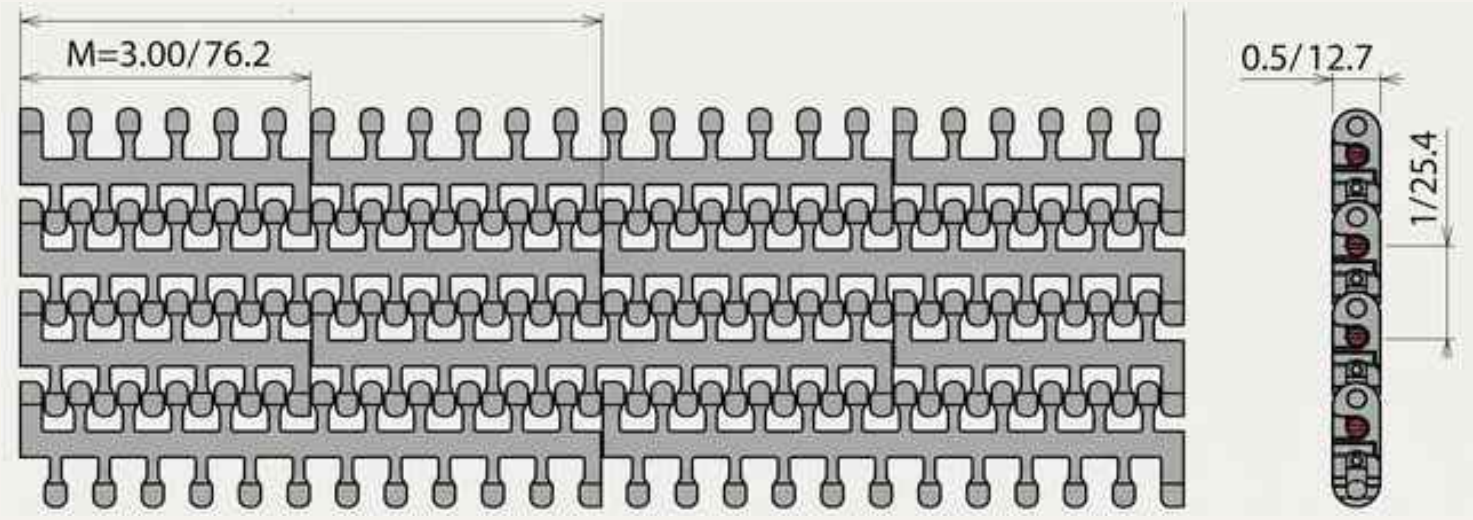
SERIES	* MATERIAL	WIDTH	VERSION
5431	01	0006	C



556 FT SIDE FLEX MODULAR BELT

* MATERIAL

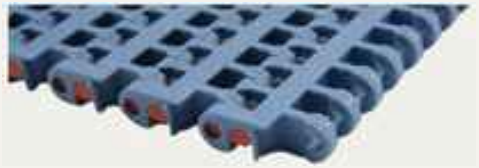
MATERIAL	MAX W. LOAD		WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL
	STRAIGHT	CURVE				
LFA - Code 01 – Low friction Acetal	2056 LBS/FT/ 30000 N/m	450 LBS/FT/ 2000 N	1.54 LBS/FT²/ 7,5 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MX - Code 03 – Performance PBT	1645 LBS/FT/ 24000 N/m	337 LBS/FT/ 1500 N	1.47 LBS/FT²/ 7,2 kg/m²	-40÷176°F/ -40÷120 °C	-40÷149°F/ -40÷60 °C	POM grey
DKM - Code 16 – Aramide Reinforced Acetal	2056 LBS/FT/ 30000 N/m	450 LBS/FT/ 2000 N	1.54 LBS/FT²/ 7,5 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white
MWX - Code 17 – Polyamide Composite	2056 LBS/FT/ 30000 N/m	450 LBS/FT/ 2000 N	1.54 LBS/FT²/ 7,5 kg/m²	-40÷219°F/ -40÷104 °C	NR	PBT white
MP - Code 13 – Lubricated Acetal	2056 LBS/FT/ 30000 N/m	450 LBS/FT/ 2000 N	1.54 LBS/FT²/ 7,5 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white



BELT WIDTH AND SECTION: 6.00/152.4, M=3.00/76.2, 0.5/12.7, 1/25.4

MOVEX

SERIES 556 (CONT.)



STANDARD



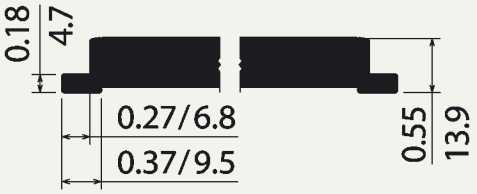
TAB



TAB/POSITIONER



STANDARD SECTION



TAB SECTION: 0.18/4.7, 0.27/6.8, 0.37/9.5, 0.55/13.9



TAB/POSITIONER SECTION: 0.27/6.8, 0.18/4.7, 0.32/8.1, 0.37/9.5, 0.87/22

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5431	*	0009	A	435
5431	*	0012	A	580
5431	*	0015	A	725
5431	*	0018	A	890
5431	*	0021	A	1040
5431	*	0024	A	1250
ONE TRACK BELT				
5431	*	0003	A	145
5431	*	0006	A	290

TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5431	*	0006	B	290
5431	*	0009	B	435
5431	*	0012	B	580
5431	*	0015	B	725
5431	*	0018	B	890
5431	*	0021	B	1040
5431	*	0024	B	1250
ONE TRACK BELT				
5431	*	0003	B	145
5431	*	0006	B	290

TAB/POSITIONER

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5431	*	0006	C	290
5431	*	0009	C	435
5431	*	0012	C	580
5431	*	0015	C	725
5431	*	0018	C	890
5431	*	0021	C	1040
5431	*	0024	C	1250
ONE TRACK BELT				
5431	*	0003	C	145
5431	*	0006	C	290

MOVEX

SERIES 556

556 GT – SIDE FLEX MODULAR BELT SERIES 556 GT, H=12,7 M=3”

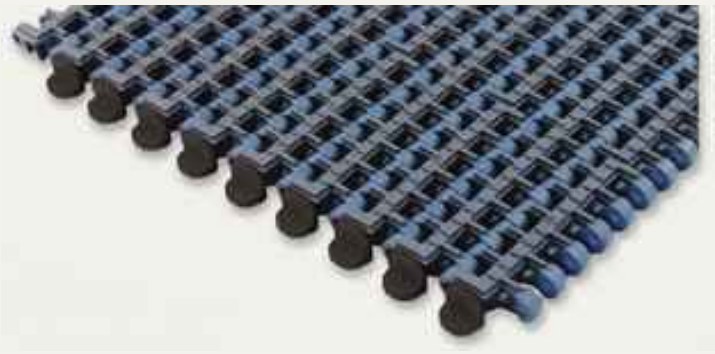
Side Flex Modular Belt Series 556 GT, H=12,7 M=3”

Backflex radius min. (in-min): 0.98/ 25

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

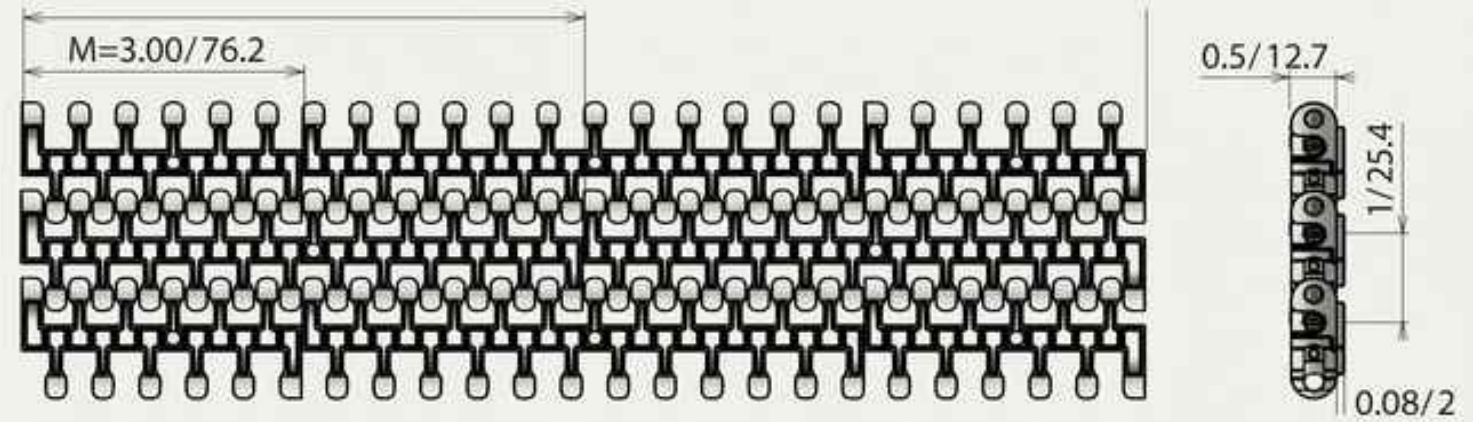
SERIES	* MATERIAL	WIDTH	VERSION
5433	01	0018	B



556 GT GRIP TOP SIDE FLEX MODULAR BELT

* MATERIAL

MATERIAL	MAX W. LOAD		WEIGHT	TEMP. RANGE DRY	TEMP. RANGE WET	PIN MATERIAL	HARDNESS OF GRIP TOP RUBBER
	STRAIGHT	CURVE					
LFA - Code 01 – Low friction Acetal	2056 LBS/FT/ 30000 N/m	450 LBS/ 2000 N	1,58 LBS/FT²/ 7,7 kg/m²	-40÷176°F/ -40÷80 °C	-40÷149°F/ -40÷65 °C	PBT white	75 ShA
PPB - Code 24 – Polypropylene (Standard rubber: 50 ShA – Code: -S)	1375 LBS/FT/ 19500 N/m	292 LBS/ 1300 N	1,23 LBS/FT²/ 6,0 kg/m²	-00÷000°F/ -4÷65 °C	-00÷000°F/ -4÷65 °C	PP blu	50 ShA
MX - Code 03 – Performance PBT	1975 LBS/FT/ 28800 N/m	427 LBS/FT/ 1900 N	1,60 LBS/FT²/ 7,8 kg/m²	-40÷248°F/ -40÷120 °C	-40÷140°F/ -40÷60 °C	POM grey	75 ShA



BELT WIDTH AND SECTION: 6.00/152.4, M=3.00/76.2, 0.5/12.7, 1/25.4, 0.08/2



STANDARD



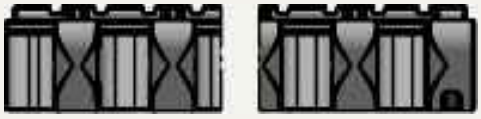
TAB



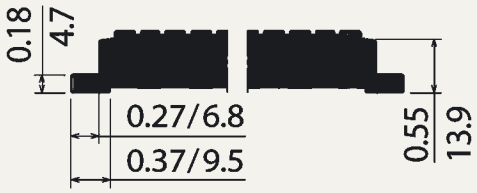
TAB/POSITIONER

MOVEX

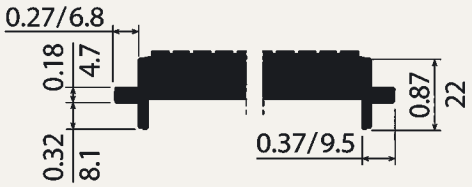
SERIES 556 (CONT.)



STANDARD SECTION



TAB SECTION: 0.18/4.7, 0.27/6.8, 0.37/9.5, 0.55/13.9



TAB/POSITIONER SECTION: 0.27/6.8, 0.18/4.7, 0.32/8.1, 0.37/9.5, 0.87/22

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5433	*	0009	A	435
5433	*	0012	A	580
5433	*	0015	A	725
5433	*	0018	A	890
5433	*	0021	A	1040
5433	*	0024	A	1250
ONE TRACK BELT				
5433	*	0003	A	145
5433	*	0006	A	290

TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5433	*	0006	B	290
5433	*	0009	B	435
5433	*	0012	B	580
5433	*	0015	B	725
5433	*	0018	B	890
5433	*	0021	B	1040
5433	*	0024	B	1250
ONE TRACK BELT				
5433	*	0003	B	145
5433	*	0006	B	290

TAB/POSITIONER

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5433	*	0006	C	290
5433	*	0009	C	435
5433	*	0012	C	580
5433	*	0015	C	725
5433	*	0018	C	890
5433	*	0021	C	1040
5433	*	0024	C	1250
ONE TRACK BELT				
5433	*	0003	C	145
5433	*	0006	C	290

MOVEX

SERIES 600

600 STANDARD – SIDE FLEX MODULAR BELT SERIES 600, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric size.

Internal min radius: 2 times the width.

CODE STRUCTURE GUIDE (EXAMPLE)

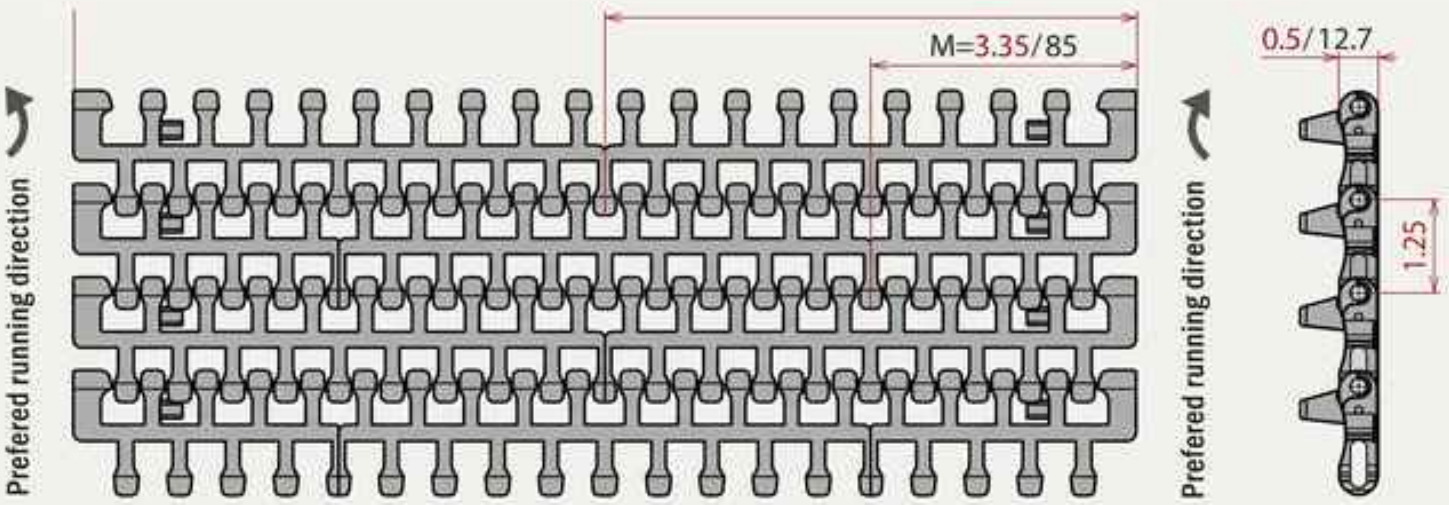
SERIES	* MATERIAL	WIDTH	VERSION
5421	03	0595	A



SERIES 600 STANDARD SIDE FLEX MODULAR BELT

* MATERIAL

MATERIAL	MAX W. LOAD		WEIGHT (LBS/FT² / KG/M²)	TEMP. RESISTANCE		PIN MATERIAL
	STRAIGHT (LBS/FT / N/M)	CURVE (LBS/FT / N)		DRY (°F / °C)	WET (°F / °C)	
LFA – Code 01 · Low friction Acetal	2056 / 30000	562 / 2500	1,58 / 7,7	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Code 03 · Performance PBT	1645 / 24000	450 / 2000	1,54 / 7,5	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Code 16 · Aramide Reinforced Acetal	2056 / 30000	562 / 2500	1,58 / 7,7	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Code 17 · Polyamide Composite	2056 / 30000	562 / 2500	1,64 / 8,0	-40÷219 / -40÷104	NR	PBT white
MP – Code 13 · Lubricated Acetal	2056 / 30000	562 / 2500	1,58 / 7,7	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



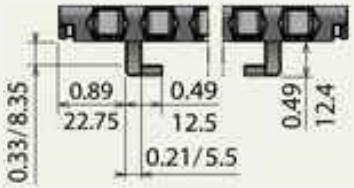
BELT LAYOUT AND CROSS-SECTION – WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, 1.25/31.75, PREFERRED RUNNING DIRECTION

MOVEX

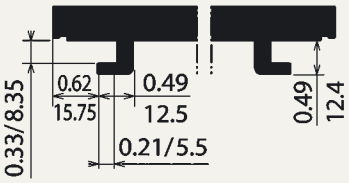
SERIES 600 (CONT.)

STANDARD

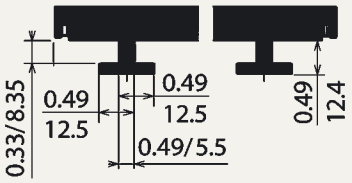
STANDARD



TAB – 0.33/8.35, 0.89/22.75, 0.49/12.5, 0.21/5.5, 0.49/12.4



REVERSE TAB – 0.33/8.35, 0.62/15.75, 0.49/12.5, 0.21/5.5, 0.49/12.4



TAB REVERSE TAB – 0.33/8.35, 0.49/12.5, 0.49/12.5, 0.21/5.5, 0.49/12.4

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5421	*	0255	A	510
5421	*	0340	A	680
5421	*	0425	A	850
5421	*	0510	A	1020
5421	*	0595	A	1190
5421	*	0680	A	1360
5421	*	0765	A	1530
5421	*	0850	A	1700

TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5421	*	0255	B	510
5421	*	0340	B	680
5421	*	0425	B	850
5421	*	0510	B	1020
5421	*	0595	B	1190
5421	*	0680	B	1360
5421	*	0765	B	1530
5421	*	0850	B	1700

REVERSE TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5421	*	0255	C	510
5421	*	0340	C	680
5421	*	0425	C	850
5421	*	0510	C	1020
5421	*	0595	C	1190
5421	*	0680	C	1360
5421	*	0765	C	1530
5421	*	0850	C	1700

TAB REVERSE TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5421	*	0255	D	510
5421	*	0340	D	680
5421	*	0425	D	850
5421	*	0510	D	1020
5421	*	0595	D	1190
5421	*	0680	D	1360
5421	*	0765	D	1530
5421	*	0850	D	1700

MOVEX

SERIES 600

600 HEAVY DUTY – SIDE FLEX MODULAR BELT SERIES 600, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric size.

Internal min radius: 2 times the width.

CODE STRUCTURE GUIDE (EXAMPLE)

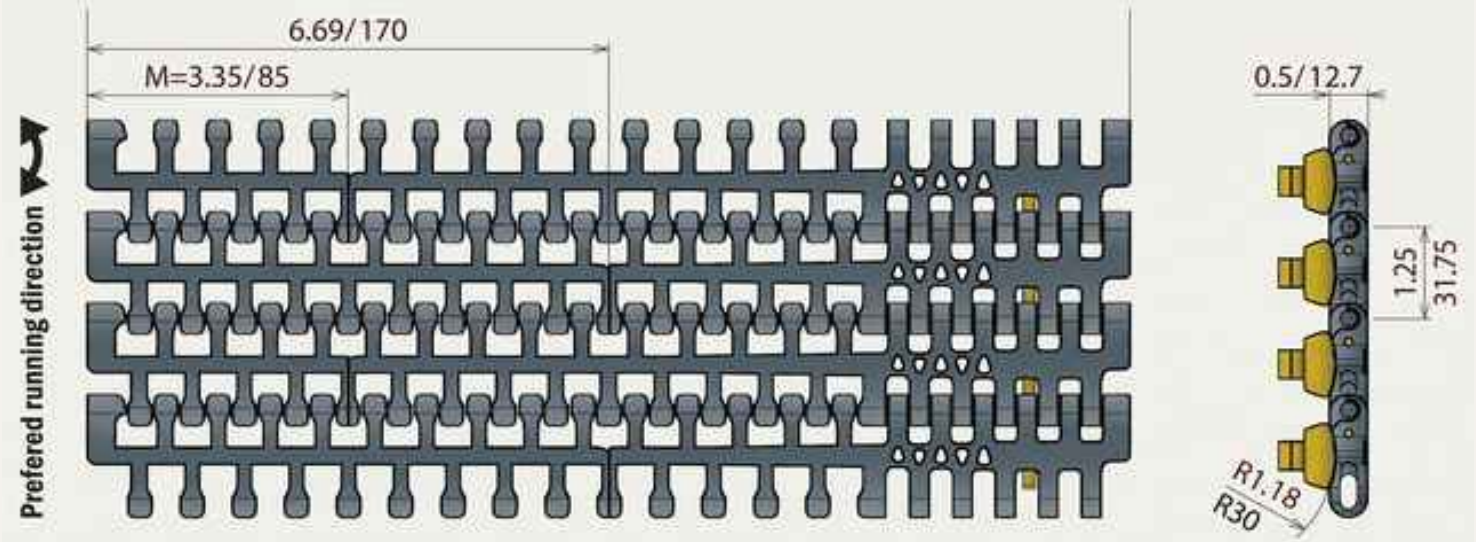
SERIES	* MATERIAL	WIDTH	VERSION
5422	03	0340	E



SERIES 600 HEAVY DUTY SIDE FLEX MODULAR BELT

* MATERIAL

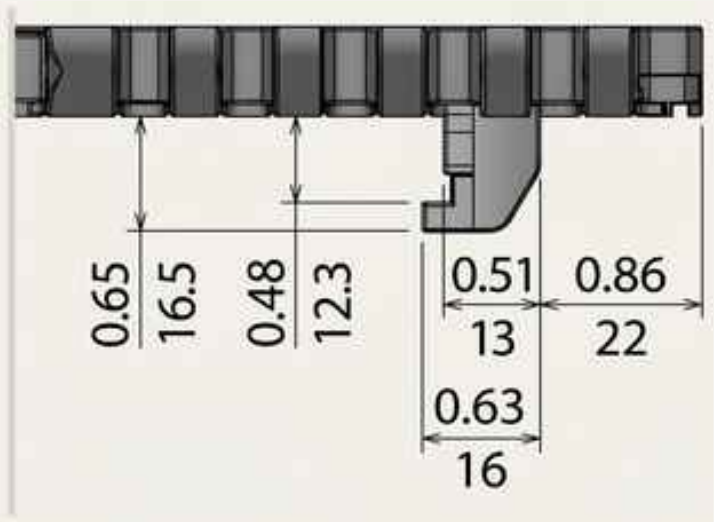
MATERIAL	MAX W. LOAD		WEIGHT (LBS/FT² / KG/M²)	TEMP. RESISTANCE		PIN MATERIAL
	STRAIGHT (LBS/FT / N/M)	CURVE (LBS / N)		DRY (°F / °C)	WET (°F / °C)	
LFA – Code 01 · Low friction Acetal	2056 / 30000	786 / 3500	1,58 / 8,3	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Code 03 · Performance PBT	1645 / 24000	675 / 3000	1,54 / 8,0	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Code 16 · Aramide Reinforced Acetal	2056 / 30000	786 / 3500	1,58 / 8,3	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Code 17 · Polyamide Composite	2056 / 30000	786 / 3500	1,64 / 8,6	-40÷219 / -40÷104	NR	PBT white
MP – Code 13 · Lubricated Acetal	2056 / 30000	786 / 3500	1,58 / 8,3	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



BELT LAYOUT AND CROSS-SECTION – WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, 1.25/31.75, R1.18/R30, PREFERRED RUNNING DIRECTION

MOVEX

SERIES 600 (CONT.)



STANDARD – 0.65/16.5, 0.48/12.3, 0.51/13, 0.86/22, 0.63/16



TAB DK MATERIAL

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5422	*	0340	E	680
5422	*	0425	E	850
5422	*	0510	E	1020
5422	*	0595	E	1190
5422	*	0680	E	1360
5422	*	0765	E	1530
5422	*	0850	E	1700

MOVEX

SERIES 600

600 HEAVY DUTY WITH BEARING – SIDE FLEX MODULAR BELT SERIES 600, H=12,7 M=85

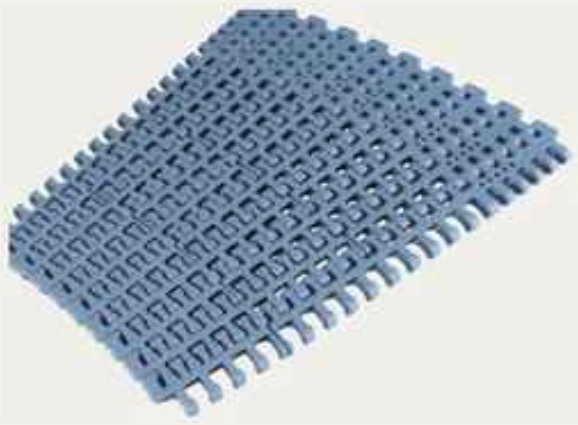
Backflex radius min. (in-min): 0.98/25

Metric size.

New.

CODE STRUCTURE GUIDE (EXAMPLE)

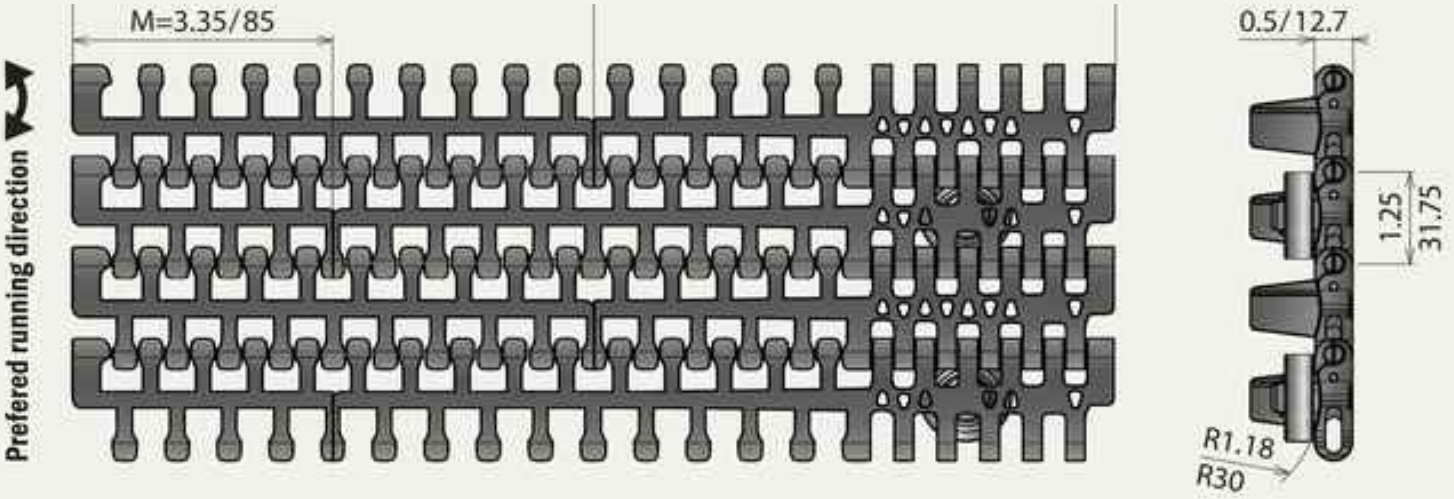
SERIES	* MATERIAL	WIDTH	VERSION
5422	03	0680	F



SERIES 600 HEAVY DUTY WITH BEARING SIDE FLEX MODULAR BELT

* MATERIAL

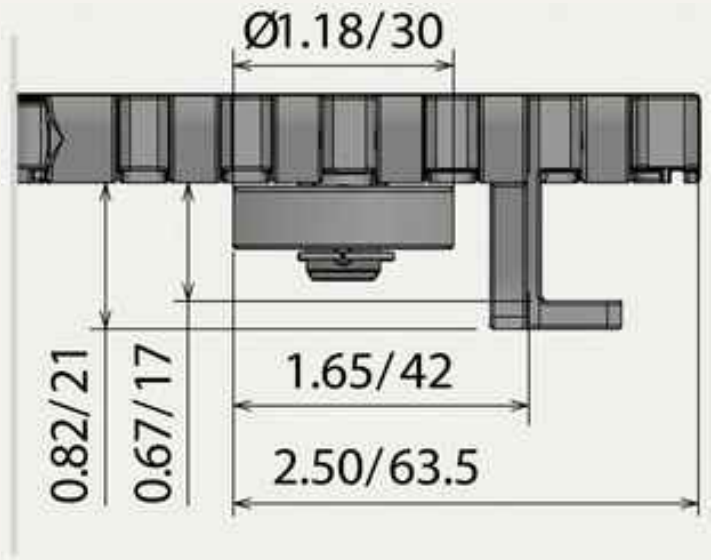
MATERIAL	MAX W. LOAD		WEIGHT (LBS/FT² / KG/M²)	TEMP. RESISTANCE		PIN MATERIAL
	STRAIGHT (LBS/FT / N/M)	CURVE (LBS/FT / N)		DRY (°F / °C)	WET (°F / °C)	
LFA – Code 01 · Low friction Acetal	2056 / 30000	786 / 3500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Code 03 · Performance PBT	1645 / 24000	675 / 3000	1.78 / 8,7	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Code 16 · Aramide Reinforced Acetal	2056 / 30000	786 / 3500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Code 17 · Polyamide Composite	2056 / 30000	786 / 3500	1.90 / 9,3	-40÷219 / -40÷104	NR	PBT white
MP – Code 13 · Lubricated Acetal	2056 / 30000	786 / 3500	1.84 / 9,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



BELT LAYOUT AND CROSS-SECTION – WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, 1.25/31.75, R1.18/R30, PREFERRED RUNNING DIRECTION

MOVEX

SERIES 600 (CONT.)



STANDARD – Ø1.18/30, 0.82/21, 0.67/17, 1.65/42, 2.50/63.5



BEARING ZOOM

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5422	*	0340	F	680
5422	*	0425	F	850
5422	*	0510	F	1020
5422	*	0595	F	1190
5422	*	0680	F	1360
5422	*	0765	F	1530
5422	*	0850	F	1700

MOVEX

SERIES 600

600 SMALL RADIUS – SIDE FLEX MODULAR BELT SERIES 600, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric size.

CODE STRUCTURE GUIDE (EXAMPLE)

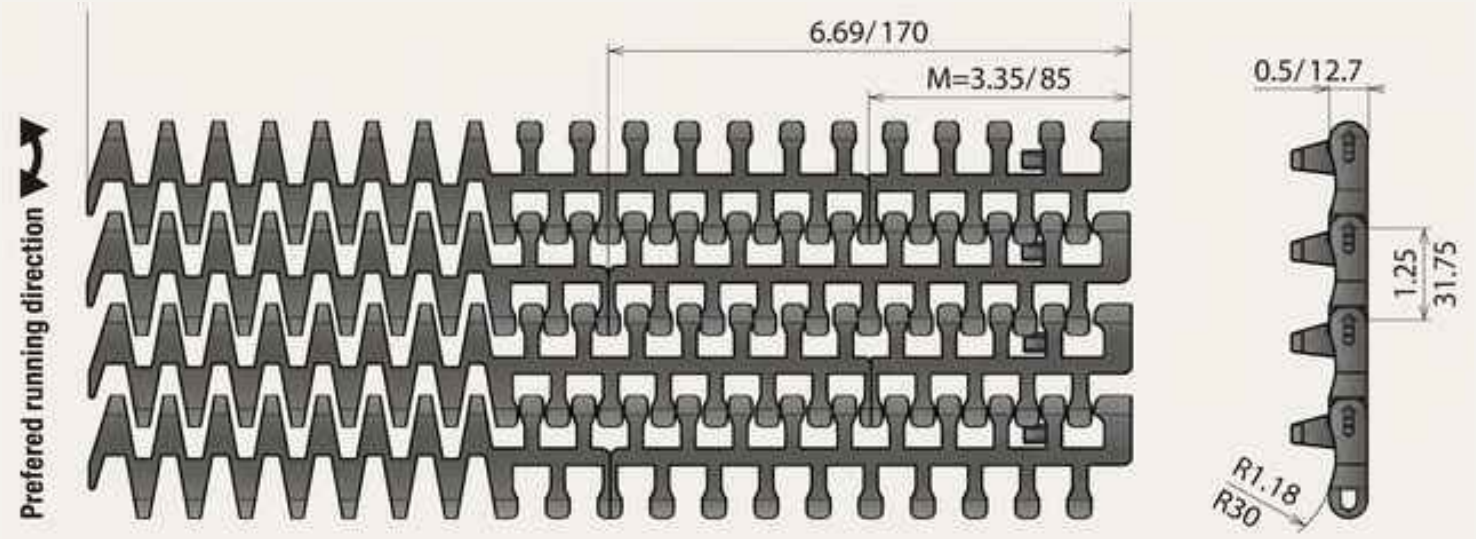
SERIES	* MATERIAL	WIDTH	VERSION
5423	03	0340	A



SERIES 600 SMALL RADIUS SIDE FLEX MODULAR BELT

* MATERIAL

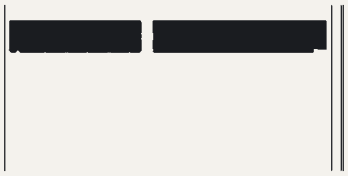
MATERIAL	MAX W. LOAD		WEIGHT (LBS/FT² / KG/M²)	TEMP. RESISTANCE		PIN MATERIAL
	STRAIGHT (LBS/FT / N/M)	CURVE (LBS/FT / N)		DRY (°F / °C)	WET (°F / °C)	
LFA – Code 01 · Low friction Acetal	2056 / 30000	562 / 2500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MX – Code 03 · Performance PBT	1645 / 24000	450 / 2000	1.39 / 6,8	-40÷248 / -40÷120	-40÷140 / -40÷60	POM grey
DKM – Code 16 · Aramide Reinforced Acetal	2056 / 30000	562 / 2500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white
MWX – Code 17 · Polyamide Composite	2056 / 30000	562 / 2500	1.49 / 7,3	-40÷219 / -40÷104	NR	PBT white
MP – Code 13 · Lubricated Acetal	2056 / 30000	562 / 2500	1.43 / 7,0	-40÷176 / -40÷80	-40÷149 / -40÷65	PBT white



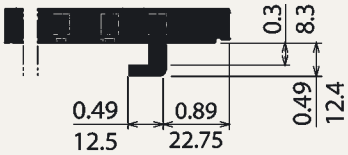
BELT LAYOUT AND CROSS-SECTION – WIDTH, 6.69/170, M=3.35/85, 0.5/12.7, 1.25/31.75, R1.18/R30, PREFERRED RUNNING DIRECTION

MOVEX

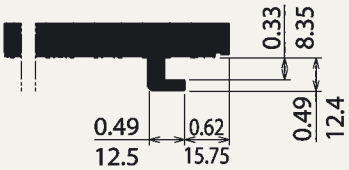
SERIES 600 (CONT.)



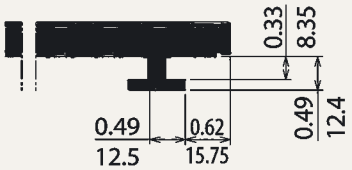
STANDARD



TAB – 0.33/8.35, 0.49/12.4, 0.49/12.5, 0.89/22.75



REVERSE TAB – 0.33/8.35, 0.49/12.4, 0.49/12.5, 0.62/15.75



TAB REVERSE TAB – 0.33/8.35, 0.49/12.4, 0.49/12.5, 0.62/15.75

STANDARD

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5423	*	0340	A	400
5423	*	0425	A	500
5423	*	0510	A	600
5423	*	0595	A	720
5423	*	0680	A	880
5423	*	0765	A	1040
5423	*	0850	A	1200

TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5423	*	0340	B	400
5423	*	0425	B	500
5423	*	0510	B	600
5423	*	0595	B	720
5423	*	0680	B	880
5423	*	0765	B	1040
5423	*	0850	B	1200

REVERSE TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5423	*	0340	C	400
5423	*	0425	C	500
5423	*	0510	C	600
5423	*	0595	C	720
5423	*	0680	C	880
5423	*	0765	C	1040
5423	*	0850	C	1200

TAB REVERSE TAB

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5423	*	0340	D	400
5423	*	0425	D	500
5423	*	0510	D	600
5423	*	0595	D	720
5423	*	0680	D	880
5423	*	0765	D	1040
5423	*	0850	D	1200

MOVEX

SERIES 600

600 HEAVY DUTY/SMALL RADIUS

600 HEAVY DUTY/SMALL RADIUS

Side Flex Modular Belt Series 600, H=12,7 M=170

Backflex radius min. (in-min): 0.98/25

Metric Size

CODE STRUCTURE GUIDE (EXAMPLE)

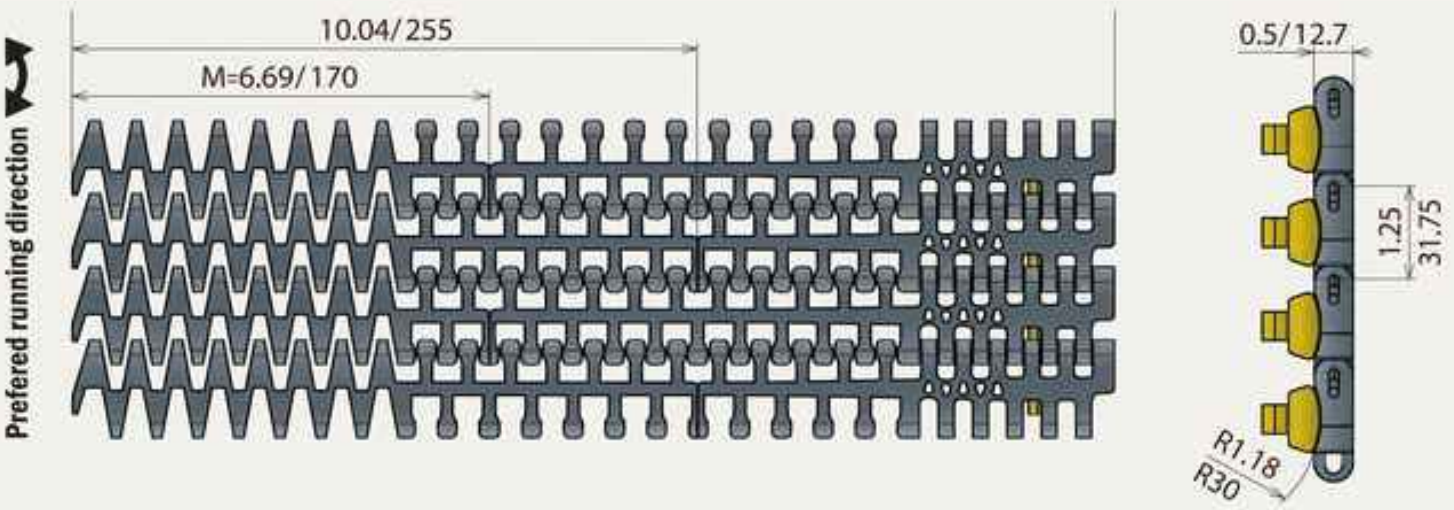
SERIES	* MATERIAL	WIDTH	VERSION
5424	03	425	E



SERIES 600 HEAVY DUTY/SMALL RADIUS BELT

* MATERIAL

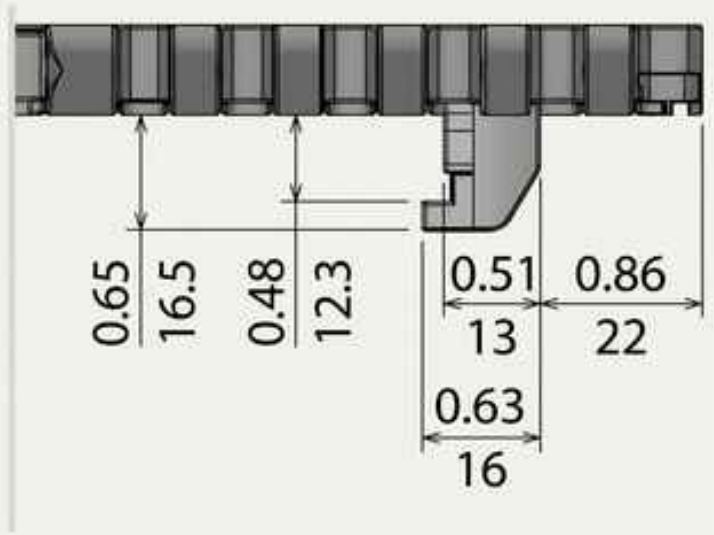
MATERIAL	MAX W. LOAD		WEIGHT	TEMP. RANGE		PIN MATERIAL
	STRAIGHT	CURVE		DRY	WET	
LFA - Code 01 Low friction Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 3500 N	1.58 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white
MX - Code 03 Performance PBT	1645 LBS/FT / 24000 N/m	675 LBS / 3000 N	1.54 LBS/FT² / 7,3 kg/m²	-40÷248°F / -40÷120°C	-40÷140°F / -40÷60°C	POM grey
DKM - Code 16 Aramide Reinforced Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 3500 N	1,58 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white
MWX - Code 17 Polyamide Composite	2056 LBS/FT / 30000 N/m	786 LBS / 3500 N	1.64 LBS/FT² / 7,7 kg/m²	-40÷219°F / -40÷104°C	NR	PBT white
MP - Code 13 Lubricated Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 3500 N	1.58 LBS/FT² / 7,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white



BELT WIDTH AND PITCH DIMENSIONS – WIDTH, 10.04/255, M=6.69/170, 0.5/12.7, 1.25/31.75, R1.18/R30; PREFERED RUNNING DIRECTION

MOVEX

SERIES 600 (CONT.)



STANDARD – SECTION: 0.65/16.5, 0.48/12.3, 0.51/13, 0.86/22, 0.63/16



TAB DK MATERIAL

BELT SIZES

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5424	*	0425	E	500
5424	*	0510	E	600
5424	*	0595	E	720
5424	*	0680	E	880
5424	*	0765	E	1040
5424	*	0850	E	1200

MOVEX

SERIES 600

600 HEAVY DUTY/SMALL RADIUS WITH BEARING

600 HEAVY DUTY/SMALL RADIUS WITH BEARING

Side Flex Modular Belt Series 600, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size — New

CODE STRUCTURE GUIDE (EXAMPLE)

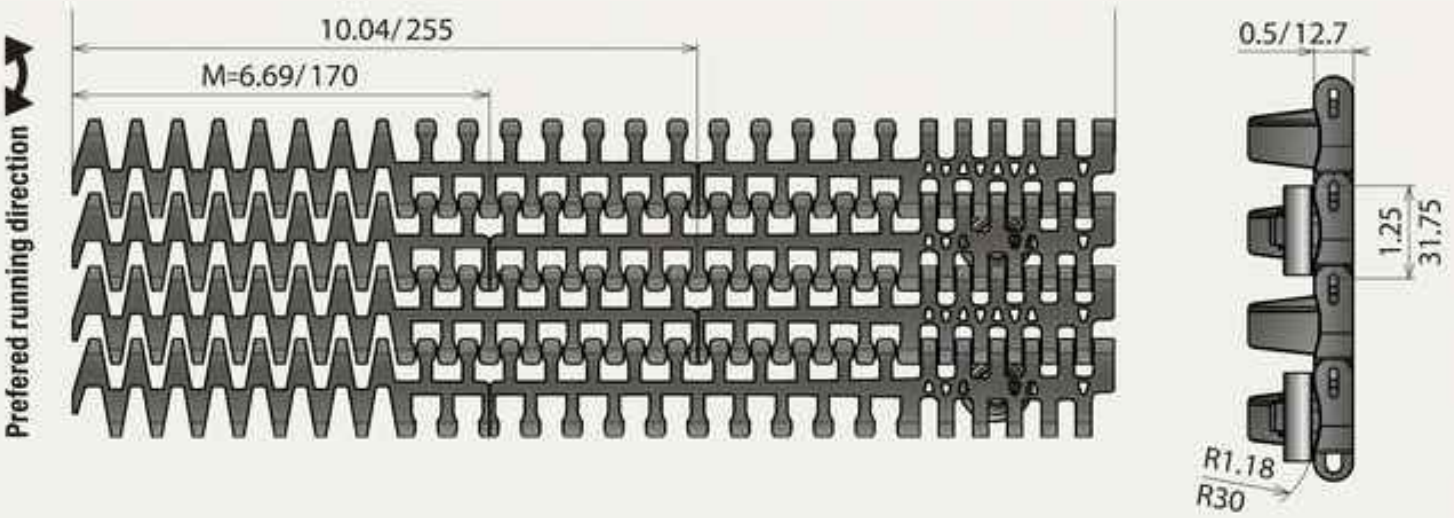
SERIES	* MATERIAL	WIDTH	VERSION
5424	01	0510	F



SERIES 600 HEAVY DUTY/SMALL RADIUS WITH BEARING

* MATERIAL

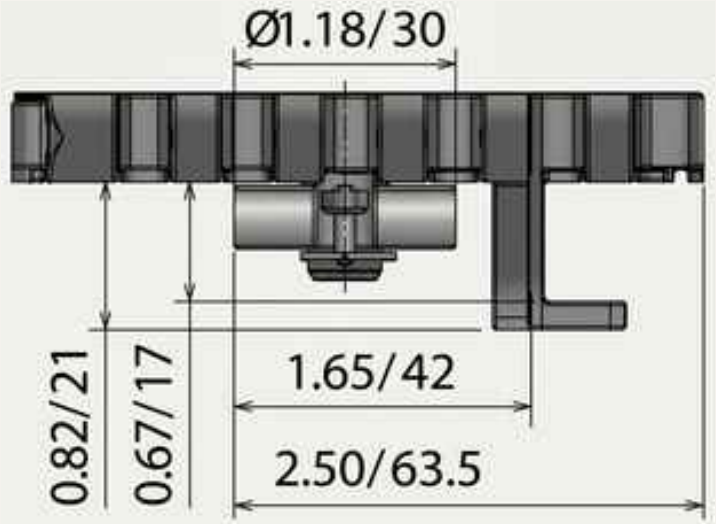
MATERIAL	MAX W. LOAD		WEIGHT	TEMP. RANGE		PIN MATERIAL
	STRAIGHT	CURVE		DRY	WET	
LFA - Code 01 Low friction Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 3500 N	1.74 LBS/FT² / 8,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white
MX - Code 03 Performance PBT	1645 LBS/FT / 24000 N/m	450 LBS / 2000 N	1.70 LBS/FT² / 8,3 kg/m²	-40÷248°F / -40÷120°C	-40÷140°F / -40÷60°C	POM grey
DKM - Code 16 Aramide Reinforced Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 2500 N	1.74 LBS/FT² / 8,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white
MWX - Code 17 Polyamide Composite	2056 LBS/FT / 30000 N/m	786 LBS / 2500 N	1.84 LBS/FT² / 9,0 kg/m²	-40÷219°F / -40÷104°C	NR	PBT white
MP - Code 13 Lubricated Acetal	2056 LBS/FT / 30000 N/m	786 LBS / 2500 N	1.74 LBS/FT² / 8,5 kg/m²	-40÷176°F / -40÷80°C	-40÷149°F / -40÷65°C	PBT white



BELT WIDTH AND PITCH DIMENSIONS – WIDTH, 10.04/255, M=6.69/170, 0.5/12.7, 1.25/31.75, R1.18/R30; PREFERED RUNNING DIRECTION

MOVEX

SERIES 600 (CONT.)



STANDARD – BEARING SECTION: Ø1.18/30, 0.82/21, 0.67/17, 1.65/42, 2.50/63.5



BEARING ZOOM

BELT SIZES

SERIES	MATERIAL	WIDTH	VERSION	MIN RADIUS
5424	*	0425	F	850
5424	*	0510	F	1020
5424	*	0595	F	1190
5424	*	0680	F	1360
5424	*	0765	F	1530
5424	*	0850	F	1700

MOVEX

SERIES 600

600 WITH PUSHER – 1047 BELT SIDE GUIDE

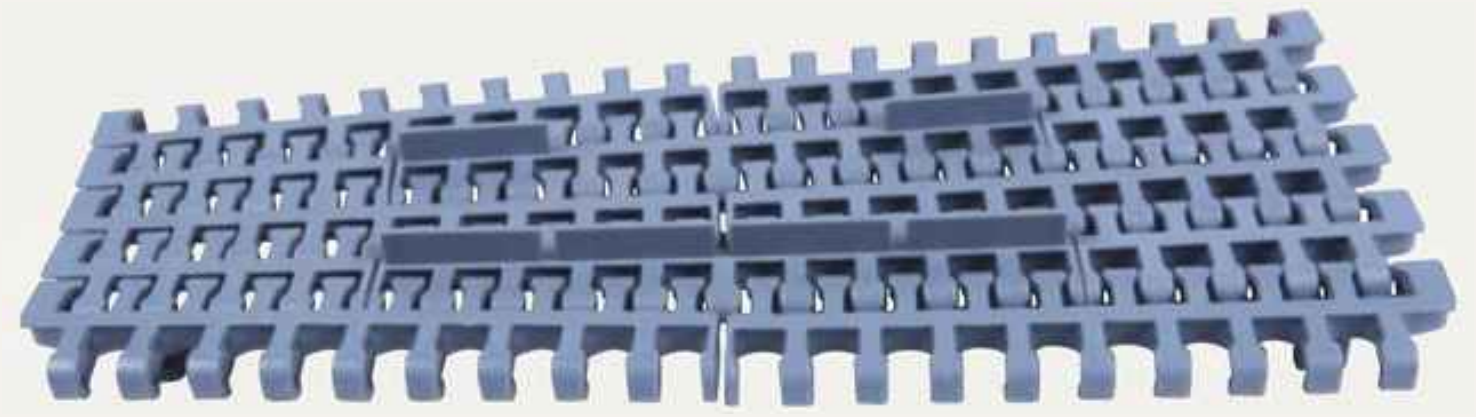
600 WITH PUSHER

Side Flex Modular Belt Series 600, H=12,7 M=85

Backflex radius min. (in-min): 0.98/25

Metric Size

Consult our engineering department for details.



SERIES 600 BELT WITH PUSHER

1047 - BELT SIDE GUIDE

Material: Polyethylene UHMW-PE with molecular density 9,200,000 g/mo.

BluLub® new material with reduced coefficient of friction and higher wear resistence. BluLub complies with the code of Federal Regulations of FDA.

Linear expansion coefficient: 1.1×10^{-4} °F^{-1} (2×10^{-4} °C^{-1})

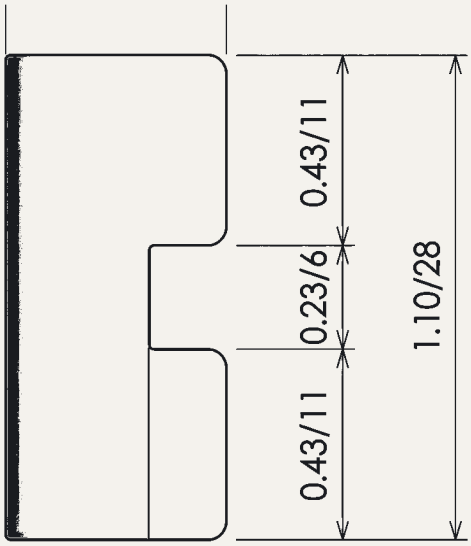
Operating temperature: -40 to 176°F (-40 to +80°C)

1047 BELT SIDE GUIDE

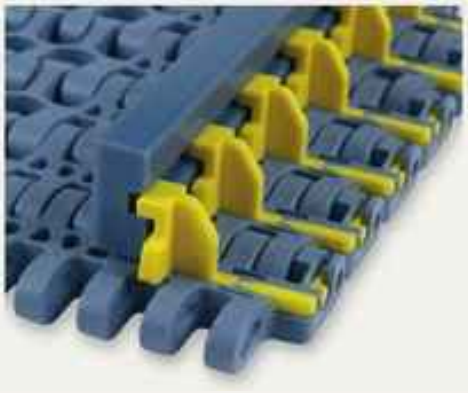
PART	ARTICLE-NR.	MATERIAL	WIDTH
1047	104700BC	BluLub	10 ft



1047 BELT SIDE GUIDE PROFILE



1047 SIDE GUIDE SECTION – 0.47/12, 0.43/11, 0.23/6, 0.43/11, 1.10/28, 0.16/4.2



SIDE GUIDE FITTED TO THE BELT

MOVEX

500 RR

500 RR MODULAR BELTS

500 RR

Raised Rib Belt Series 500 RR

Imperial Size

CODE STRUCTURE GUIDE (EXAMPLE)

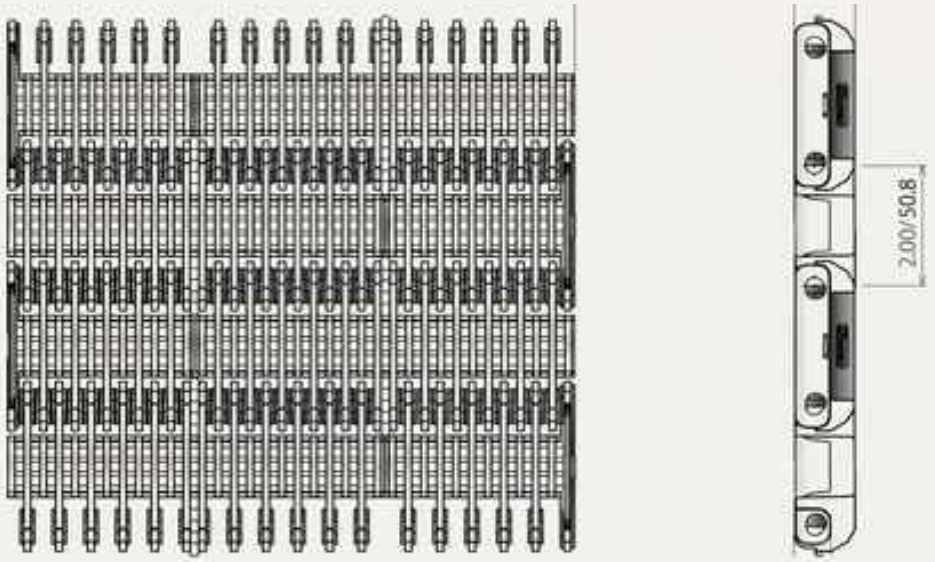
SERIES	* MATERIAL	WIDTH
1348	11	0090



SERIES 500 RR RAISED RIB BELT

* MATERIAL

MATERIAL	MAX W. LOAD	WEIGHT	TEMP. RANGE	PIN MATERIAL
PP - Code 02 Polypropylene	2055 LBS/FT / 30000 N/m	2.18 LBS/FT² / 10,65 kg/m²	-0÷000°F / -4÷104 °C	PP grey
PPX - Code 11 Polypropylene	2055 LBS/FT / 30000 N/m	2.18 LBS/FT² / 10,65 kg/m²	-0÷000°F / -4÷104 °C	PP grey



500 RR BELT PLAN AND SIDE VIEW – WIDTH, 0.94/24, 2.00/50.8, 0.55/14, 2.42/61.5

BELT SIZES

SERIES	MATERIAL	WIDTH	SERIES	MATERIAL	WIDTH
1348	*	0060	1348	*	0093
1348	*	0063	1348	*	0096
1348	*	0066	1348	*	0099
1348	*	0069	1348	*	0102
1348	*	0072	1348	*	0105

MOVEX

500 RR

389 – COMBS

389 - COMBS

Material: Acetal resin

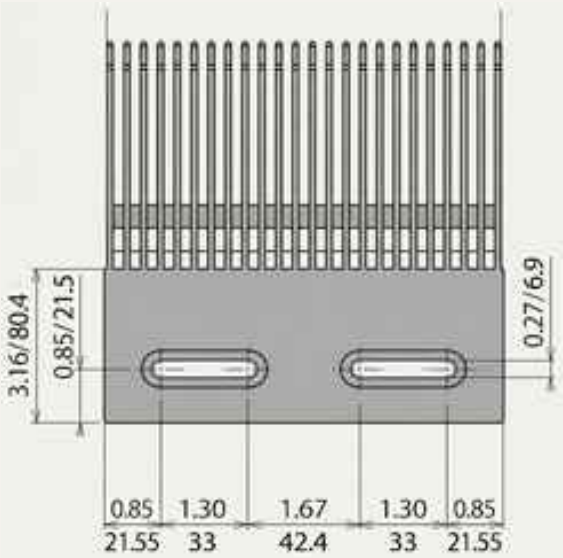
Screw: Stainless steel



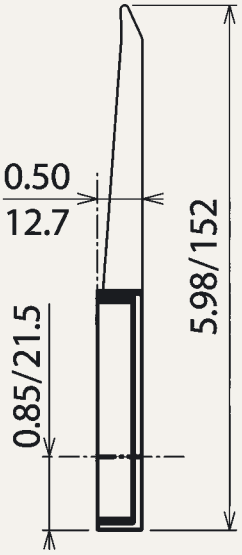
389 COMB

TYPE A

PART	ARTICLE-NR.
389	38901



TYPE A – PLAN VIEW: 5.88/149.5 OVERALL WIDTH; 3.16/80.4 AND 0.85/21.5 HEIGHTS; 0.27/6.9 THICKNESS; SLOT SPACING 0.85/21.55 – 1.30/33 – 1.67/42.4 – 1.30/33 – 0.85/21.55



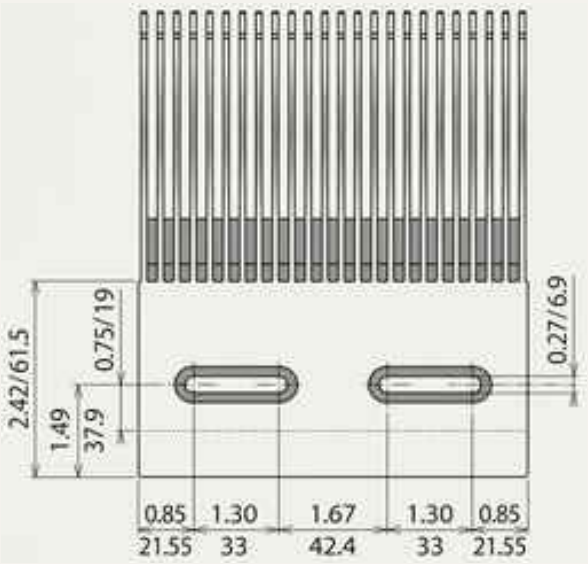
TYPE A – SIDE VIEW: 5.98/152 LENGTH, 0.50/12.7 AND 0.85/21.5

TYPE B

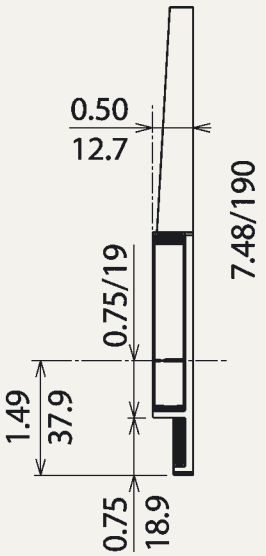
PART	ARTICLE-NR.
389	38902

MOVEX

500 RR (CONT.)



TYPE B – PLAN VIEW: 5.88/149.5 OVERALL WIDTH; 2.42/61.5 HEIGHT; 1.49/37.9 AND 0.75/19; 0.27/6.9 THICKNESS; SLOT SPACING 0.85/21.55 – 1.30/33 – 1.67/42.4 – 1.30/33 – 0.85/21.55



TYPE B – SIDE VIEW: 7.48/190 LENGTH; 0.50/12.7; 0.75/19; 1.49/37.9; 0.75/18.9

MOVEX

500 RR

260 M FT – SIDEFLEXING BELT/CHAIN

260 M FT - SIDEFLEXING BELT/CHAIN

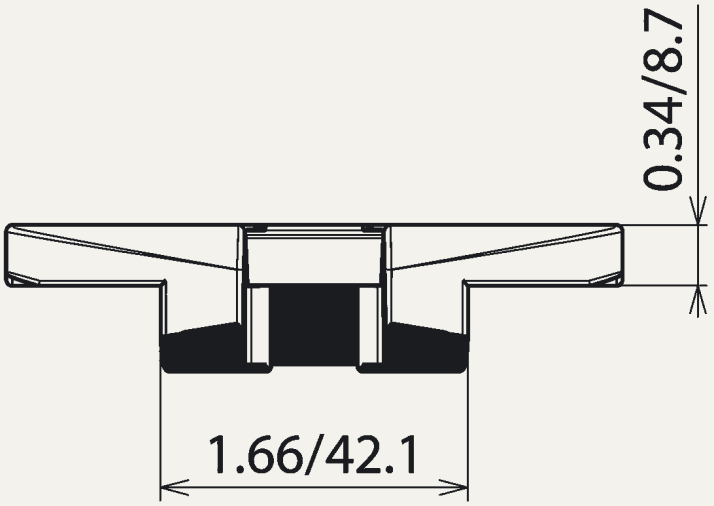
PART	ARTICLE-NR.	REF.	A (IN-MM)	WEIGHT (LBS/FT-KG/M)
1151	11510103	260 M K330	3.30/ 83,8	12.65/ 1,75
1151	11510105	260 M K450	4.50/ 114,3	14.00/ 1,95



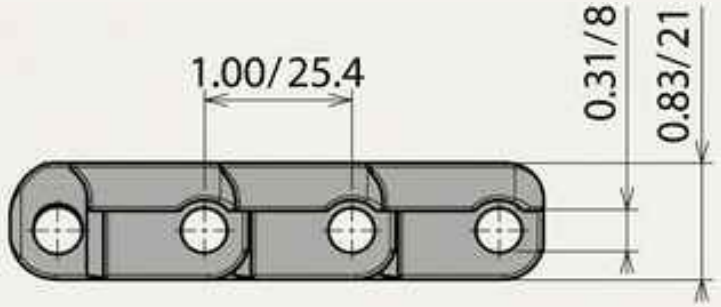
MAGNETIC SYSTEM

* MATERIAL

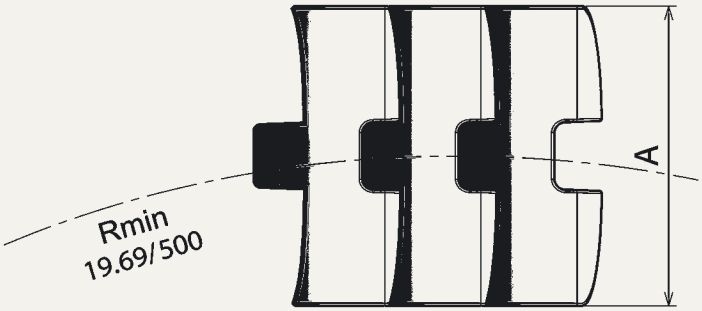
MATERIAL	MAX W. LOAD	SIDEFLEX RADIUS	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MX - Code 03 – Performance PBT	360 LBS / 1600 N	19.69 in/ 500 mm	Ferritic SS
DKM - Code 16 – Aramide Reinforced Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MWX - Code 17 – Polyamide Composite	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MP - Code 13 – Lubricated Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS



CROSS-SECTION: 0.34/8.7 HEIGHT, 1.66/42.1 WIDTH



TOP VIEW: 1.00/25.4 PITCH, 0.31/8, 0.83/21



SIDEFLEX LAYOUT – RMIN 19.69/500, BELT WIDTH A

MOVEX

500 RR

260 M FG – SIDEFLEXING BELT/CHAIN

260 M FG - SIDEFLEXING BELT/CHAIN

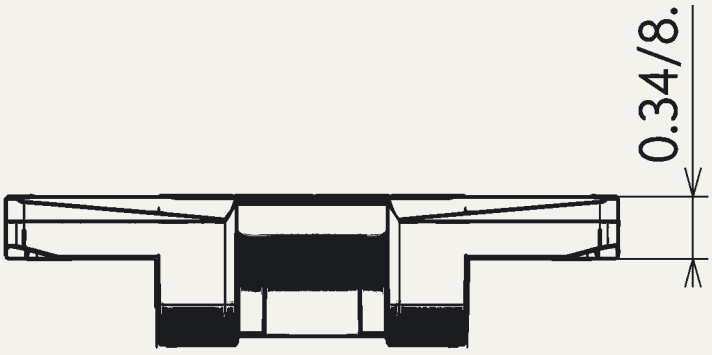
PART	ARTICLE-NR.	REF.	A (IN-MM)	WEIGHT (LBS/FT-KG/M)
1154	11540103	260 M FG K330	3.30/ 83,8	10.80/ 1,50
1154	11540105	260 M FG K450	4.50/ 114,3	11.90/ 1,65



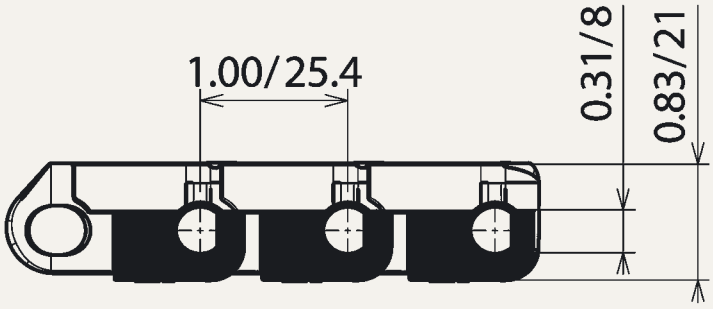
MAGNETIC SYSTEM

* MATERIAL

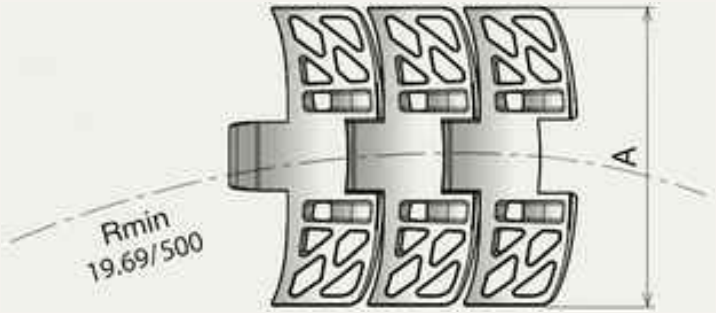
MATERIAL	MAX W. LOAD	SIDEFLEX RADIUS	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MX - Code 03 – Performance PBT	360 LBS / 1600 N	19.69 in/ 500 mm	Ferritic SS
DKM - Code 16 – Aramide Reinforced Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MWX - Code 17 – Polyamide Composite	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MP - Code 13 – Lubricated Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS



CROSS-SECTION: 0.34/8.7 HEIGHT, 1.66/42.1 WIDTH



TOP VIEW: 1.00/25.4 PITCH, 0.31/8, 0.83/21



SIDEFLEX LAYOUT – RMIN 19.69/500, BELT WIDTH A

MOVEX

SERIES 260

260 TAB – SIDEFLEXING BELT/CHAIN

260 TAB - SIDEFLEXING BELT/CHAIN

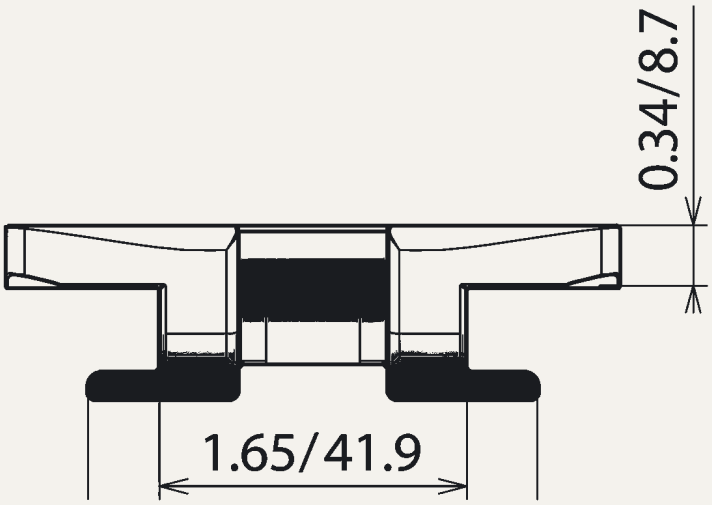
PART	ARTICLE-NR.	REF.	A (IN-MM)	WEIGHT (LBS/FT-KG/M)
1152	11520103	260 TAB K330	3.30/ 83,8	13.38/ 1,85
1152	11520105	260 TAB K450	4.50/ 114,3	14.70/ 2,00



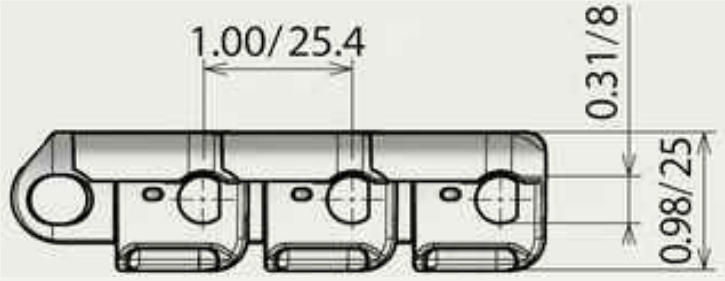
TAB SYSTEM

* MATERIAL

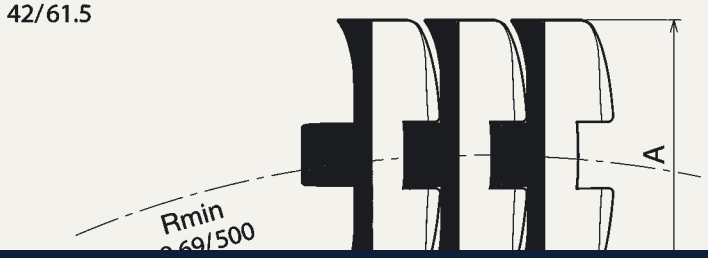
MATERIAL	MAX W. LOAD	SIDEFLEX RADIUS	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MX - Code 03 – Performance PBT	360 LBS / 1600 N	19.69 in/ 500 mm	Ferritic SS
DKM - Code 16 – Aramide Reinforced Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MWX - Code 17 – Polyamide Composite	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS
MP - Code 13 – Lubricated Acetal	450 LBS / 2000 N	19.69 in/ 500 m	Ferritic SS



CROSS-SECTION: 0.34/8.7 HEIGHT, 1.65/41.9 AND 2.42/61.5 WIDTHS



TOP VIEW: 1.00/25.4 PITCH, 0.31/8, 0.98/25



MOVEX

SERIES 261

261 M FT – SIDEFLEXING BELT/CHAIN

261 M FT - SIDEFLEXING BELT/CHAIN

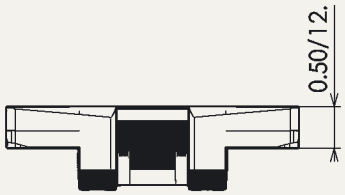
PART	ARTICLE-NR.	REF.	A (IN-MM)	WEIGHT (LBS/FT-KG/M)
1153	11530103	261 M K330	3.30/ 83,8	15.10/ 2,10
1153	11530105	261 M K450	4.50/ 114,3	16.30/ 2,26



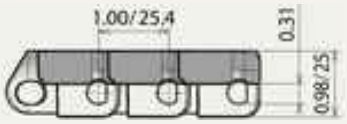
MAGNETIC SYSTEM

* MATERIAL

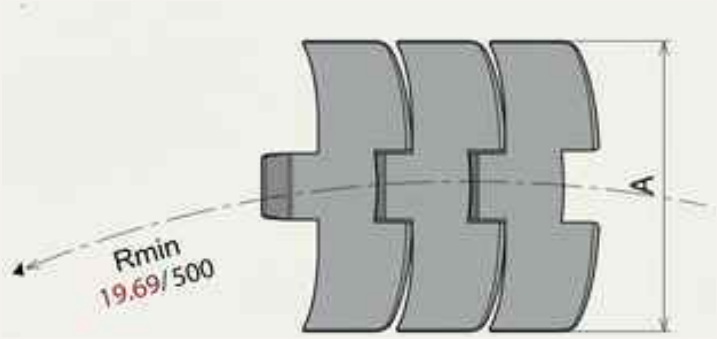
MATERIAL	MAX W. LOAD	SIDEFLEX RADIUS	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MX - Code 03 – Performance PBT	360 LBS / 1600 N	19.69 in/ 500 mm	Ferritic SS
DKM - Code 16 – Aramide Reinforced Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MWX - Code 17 – Polyamide Composite	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MP - Code 13 – Lubricated Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS



END VIEW – 1.66/42.1 WIDE, 0.50/12.7 HIGH



SIDE VIEW – PITCH 1.00/25.4, 0.31/8, 0.98/25



PLAN VIEW – BELT WIDTH A, RMIN 19.69/500

MOVEX

SERIES 261

261 TAB – SIDEFLEXING BELT/CHAIN

261 TAB - SIDEFLEXING BELT/CHAIN

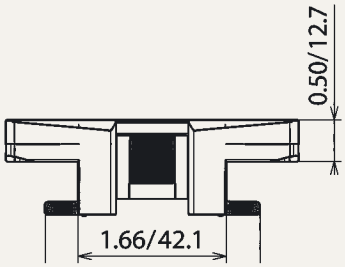
PART	ARTICLE-NR.	REF.	A (IN-MM)	WEIGHT (LBS/FT-KG/M)
1190	11900103	261 TAB K330	3.30/ 83,8	13.38/ 1,85
1190	11900105	261 TAB K450	4.50/ 114,3	14.70/ 2,00



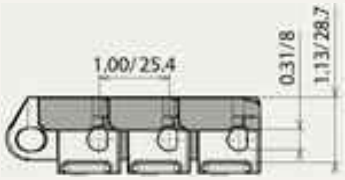
TAB SYSTEM

* MATERIAL

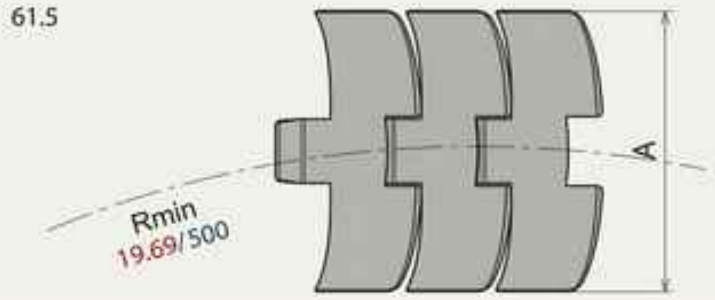
MATERIAL	MAX W. LOAD	SIDEFLEX RADIUS	PIN MATERIAL
LFA - Code 01 – Low friction Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MX - Code 03 – Performance PBT	360 LBS / 1600 N	19.69 in/ 500 mm	Ferritic SS
DKM - Code 16 – Aramide Reinforced Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MWX - Code 17 – Polyamide Composite	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS
MP - Code 13 – Lubricated Acetal	450 LBS / 2000 N	19.69 in/ 500 mm	Ferritic SS



END VIEW – 1.66/42.1 AND 2.42/61.5 WIDE, 0.50/12.7 HIGH



SIDE VIEW – PITCH 1.00/25.4, 0.31/8, 1.13/28.7



PLAN VIEW – BELT WIDTH A, RMIN 19.69/500

MOVEX

SERIES 261

BELT SPROCKETS



MOVEX BELT SPROCKET

MOVEX

SERIES 261 (CONT.)


510


521


521


520


520


520


520


525-530


525-530


590


590


550


550


550


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260-261


260-261


260-261


260-261









MOVEX

SERIES 261

510 – SPLIT DRIVE SPROCKET, MACHINED

MATERIALS

- Material: Polyamide
- Screws: Stainless steel
- Nuts: Zinc plated steel

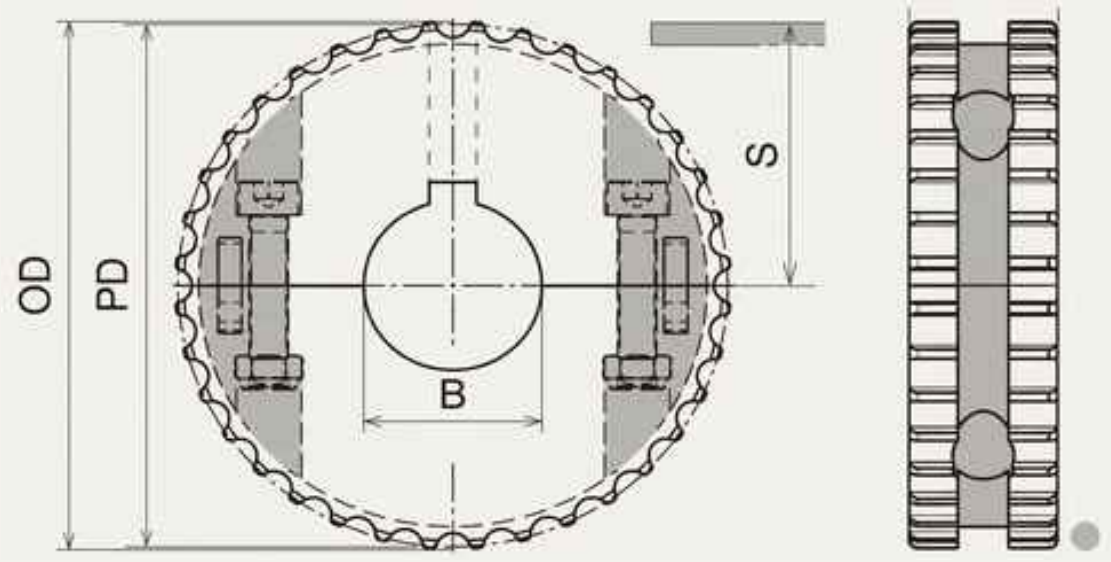


510 SPLIT DRIVE SPROCKET

510 - SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1599	159936YE	16*	3/4	1.61/ 41	1.58/ 40,2	0.65/ 16,65
1599	159896YE	20	1	2.02/ 51,5	2.02/ 51,5	0.88/ 22,3
1601	160101YE	18*	1	1.83/ 46,5	1.86/ 47,3	0.79/ 20,2
1602	160111YE		3/4 * 3/4 ☐			
1602	160201YE	24*	1	2.43/ 61,8	2.46/ 62,6	1.10/ 27,9
1603	160206YE		1 * 1 ☐			
1603	160301Y	36	1	3.64/ 92,6	3.68/ 93,5	1.70/ 43,3
1603	160302Y		1-1/4			
1603	160303Y		1-7/16			
1603	160304Y		1-1/2			
1603	160306Y		1 * 1 ☐			
1603	160307Y		1-1/4 * 1-1/4 ☐			
1603	160308Y		1-1/2 * 1-1/2 ☐			

**Sprocket z-16, z-18, z-20 and z-24 are supplied non-split*
☐ = square bore



SPROCKET DIMENSIONS – OD, PD, B, S, 0.98/25 HUB WIDTH, 0.34/8.5

MOVEX

SERIES 261

521 – BELT SPROCKETS

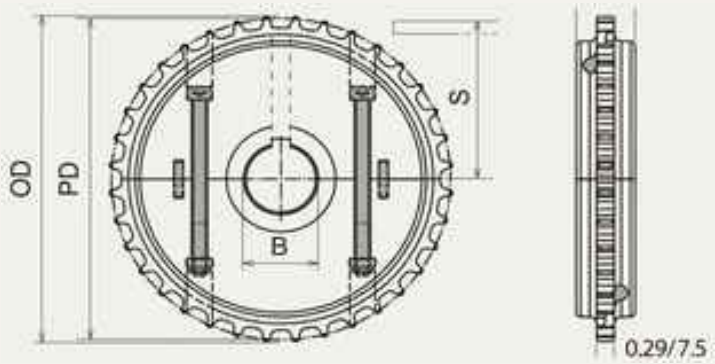
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MACHINED



SPLIT DRIVE SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

521 SPLIT DRIVE SPROCKET, MACHINED

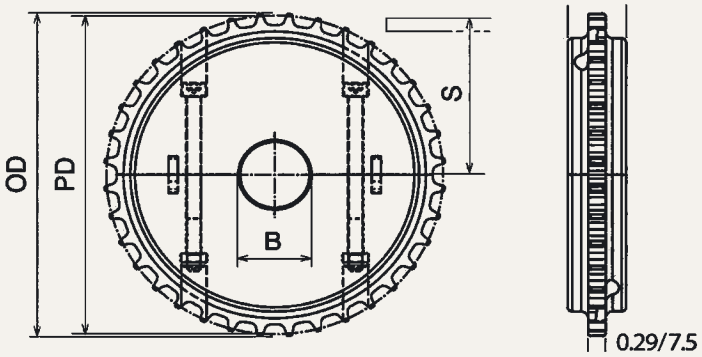
PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1561	156101Y	28	1	4.46/113,4	4.54/115,4	2.06/52,4
1561	156102Y		1-1/4			
1561	156103Y		1-7/16			
1561	156104Y		1-1/2			
1561	156106Y		1 * 1			
1561	156107Y		1-1/4 * 1-1/4			
1561	156108Y		1-1/2 * 1-1/2			
1562	156201Y	36	1	5.74/145,7	5.81/147,7	2.70/68,5
1562	156202Y		1-1/4			
1562	156203Y		1-7/16			
1562	156204Y		1-1/2			
1562	156206Y		1 * 1			
1562	156207Y		1-1/4 * 1-1/4			
1562	156208Y		1-1/2 * 1-1/2			
1563	156301Y	38	1	6.05/153,8	6.13/155,8	2.86/72,6
1563	156302Y		1-1/4			
1563	156303Y		1-7/16			
1563	156304Y		1-1/2			
1563	156306Y		1 * 1			
1563	156307Y		1-1/4 * 1-1/4			
1563	156308Y		1-1/2 * 1-1/2			
1564	156401Y	40	1	6.37/161,9	6.45/163,8	3.02/76,6
1564	156402Y		1-1/4			
1564	156403Y		1-7/16			
1564	156404Y		1-1/2			
1564	156406Y		1 * 1			
1564	156407Y		1-1/4 * 1-1/4			
1564	156408Y		1-1/2 * 1-1/2			



SPLIT IDLER SPROCKET, MACHINED

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1561	156150	28	0.71*	4.46/113,4	4.54/115,4	2.06/52,4
1561	156151Y		1			
1561	156152Y		1-1/4			
1561	156153Y		1-7/16			
1561	156154Y		1-1/2			
1562	156250	36	0.71*	5.74/145,7	5.81/147,7	2.70/68,5
1562	156251Y		1			
1562	156252Y		1-1/4			
1562	156253Y		1-7/16			
1562	156254Y		1-1/2			
1563	156350	38	0.71*	6.05/153,8	6.13/155,8	2.86/72,6
1563	156351Y		1			
1563	156352Y		1-1/4			
1563	156353Y		1-7/16			
1563	156354Y		1-1/2			
1564	156450	40	0.71*	6.37/161,9	6.45/163,8	3.02/76,6
1564	156451Y		1			
1564	156452Y		1-1/4			
1564	156453Y		1-7/16			
1564	156454Y		1-1/2			

Plain Bore

MOVEX

SERIES 261

520 – BELT SPROCKETS

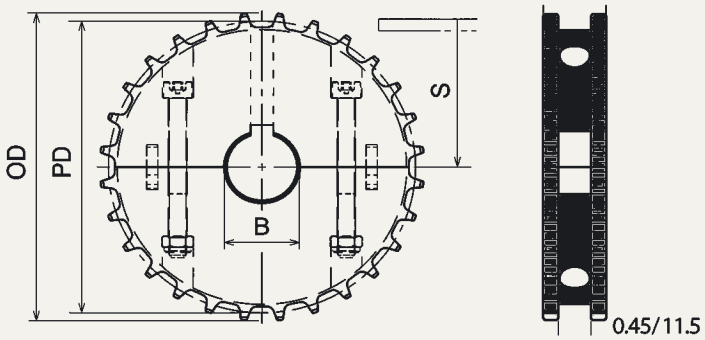
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MACHINED



SPLIT DRIVE SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

520 SPLIT DRIVE SPROCKET, MACHINED

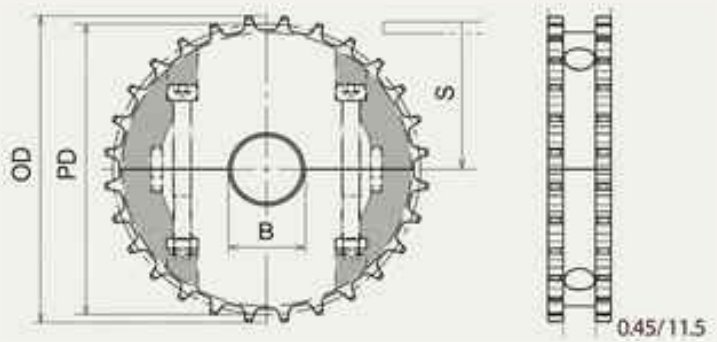
PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1501	150101Y	28	1	4.46/113,4	4.54/115,4	2.06/52,4
1501	150102Y		1-1/4			
1501	150103Y		1-7/16			
1501	150104Y		1-1/2			
1501	150106Y		1 * 1			
1501	150107Y		1-1/4 * 1-1/4			
1501	150108Y		1-1/2 * 1-1/2			
1502	150201Y	36	1	5.74/145,7	5.81/147,7	2.70/68,5
1502	150202Y		1-1/4			
1502	150203Y		1-7/16			
1502	150204Y		1-1/2			
1502	150206Y		1 * 1			
1502	150207Y		1-1/4 * 1-1/4			
1502	150208Y		1-1/2 * 1-1/2			
1503	150301Y	38	1	6.05/153,8	6.13/155,8	2.86/72,6
1503	150302Y		1-1/4			
1503	150303Y		1-7/16			
1503	150304Y		1-1/2			
1503	150306Y		1 * 1			
1503	150307Y		1-1/4 * 1-1/4			
1503	150308Y		1-1/2 * 1-1/2			
1504	150401Y	40	1	6.37/161,9	6.45/163,8	3.02/76,6
1504	150402Y		1-1/4			
1504	150403Y		1-7/16			
1503	150404Y		1-1/2			
1504	150406Y		1 * 1			
1504	150407Y		1-1/4 * 1-1/4			
1504	150408Y		1-1/2 * 1-1/2			



SPLIT IDLER SPROCKET, MACHINED

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1501	150150	28	0.71*	4.46/113,4	4.54/115,4	2.06/52,4
1501	150151Y		1			
1501	150152Y		1-1/4			
1501	150153Y		1-7/16			
1501	150154Y		1-1/2			
1502	150250	36	0.71*	5.74/145,7	5.81/147,7	2.70/68,5
1502	150251Y		1			
1502	150252Y		1-1/4			
1502	150253Y		1-7/16			
1502	150254Y		1-1/2			
1503	150350	38	0.71*	6.05/153,8	6.13/155,8	2.86/72,6
1503	150351Y		1			
1503	150352Y		1-1/4			
1503	150353Y		1-7/16			
1503	150354Y		1-1/2			
1504	150450	40	0.71*	6.37/161,9	6.45/163,8	3.02/76,6
1504	150451Y		1			
1504	150452Y		1-1/4			
1504	150453Y		1-7/16			
1504	150454Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

520 – BELT SPROCKETS, MOLDED

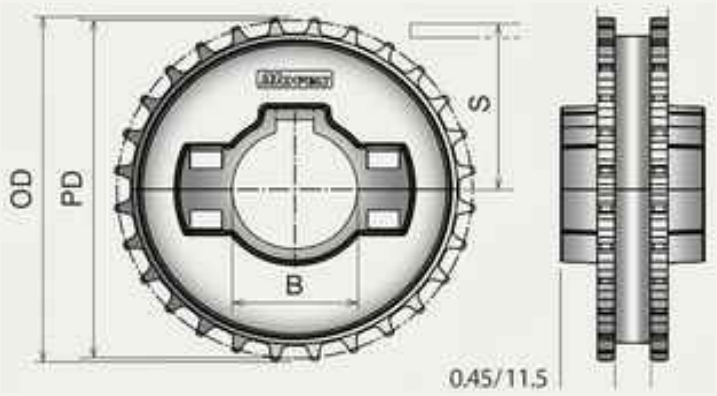
Material: Polyamide reinforced

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MOLDED



SPLIT DRIVE SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

520 SPLIT DRIVE SPROCKET, MOLDED

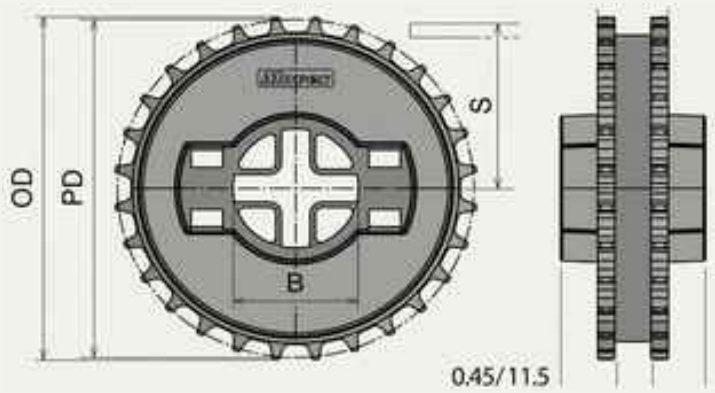
PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1505	150501Y	24	1	3.83/97,3	3.91/99,3	1.74/44,3
1505	150502Y		1-1/4			
1505	150503Y		1-7/16			
1505	150504Y		1-1/2			
1505	150506Y		1 * 1			
1505	150507Y		1-1/4 * 1-1/4			
1505	150508Y		1-1/2 * 1-1/2			
1506	150601Y	28	1	4.46/113,4	4.54/115,4	2.06/52,4
1506	150602Y		1-1/4			
1506	150603Y		1-7/16			
1506	150604Y		1-1/2			
1506	150606Y		1 * 1			
1506	150607Y		1-1/4 * 1-1/4			
1506	150608Y		1-1/2 * 1-1/2			
1507	150701Y	36	1	5.74/145,7	5.81/147,7	2.70/68,5
1507	150702Y		1-1/4			
1507	150703Y		1-7/16			
1507	150704Y		1-1/2			
1507	150706Y		1 * 1			
1507	150707Y		1-1/4 * 1-1/4			
1507	150708Y		1-1/2 * 1-1/2			



SPLIT IDLER SPROCKET, MOLDED

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

SPLIT IDLER SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1505	150551Y	24	1	3.83/97,3	3.91/99,3	1.74/44,3
1505	150552Y		1-1/4			
1505	150553Y		1-7/16			
1505	150554Y		1-1/2			
1506	150651Y	28	1	4.46/113,4	4.54/115,4	2.06/52,4
1506	150652Y		1-1/4			
1506	150653Y		1-7/16			
1506	150654Y		1-1/2			
1507	150751Y	36	1	5.74/145,7	5.81/147,7	2.70/68,5
1507	150752Y		1-1/4			
1507	150753Y		1-7/16			
1507	150754Y		1-1/2			

MOVEX

SERIES 261

525-530 – BELT SPROCKETS

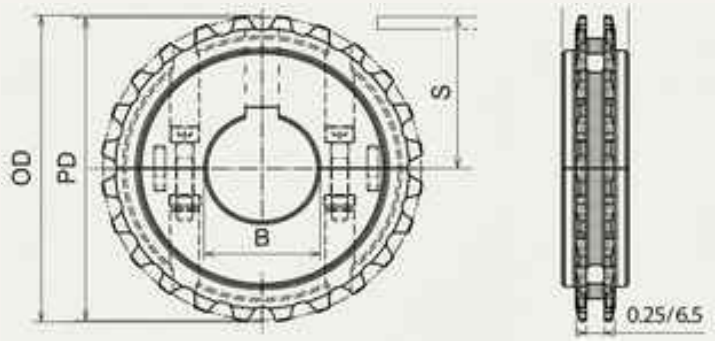
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MACHINED



SPLIT DRIVE SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

525-530 SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1581	158101YE	12**	1	2.29/58,1	2.29/58,2	0.95/24,1
1581	158106YE		1 * 1			
1582	158201YE	16**	1	3.03/77,1	3.06/77,7	1.32/33,6
1582	158202YE		1-1/4			
1582	158206YE		1 * 1			
1582	158207YE		1-1/4 * 1-1/4			
1583	158301Y	24	1	4.52/114,9	4.55/115,5	2.07/52,5
1583	158302Y		1-1/4			
1583	158303Y		1-7/16			
1583	158304Y		1-1/2			
1583	158306Y		1 * 1			
1583	158307Y		1-1/4 * 1-1/4			
1583	158308Y		1-1/2 * 1-1/2			
1584	158401Y	32	1	6.04/153,4	6.09/154,8	2.82/71,75
1584	158402Y		1-1/4			
1584	158403Y		1-7/16			
1584	158404Y		1-1/2			
1584	158406Y		1 * 1			
1584	158407Y		1-1/4 * 1-1/4			
1584	158408Y		1-1/2 * 1-1/2			

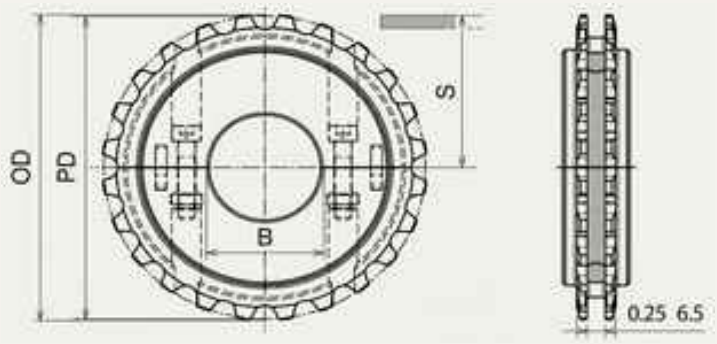
***Sprocket Z-12 and Z-16 are supplied non-split.*



SPLIT IDLER SPROCKET, MACHINED

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET – OD, PD, S, B AND HUB DIMENSIONS

SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1581	158150E	12**	0.71*	2.29/58,1	2.29/58,2	0.95/24,1
1581	158151YE		1			
1582	158250E	16**	0.71*	3.03/77,1	3.06/77,7	1.32/33,6
1582	158251YE		1			
1582	158252YE		1-1/4			
1583	158350	24	0.71*	4.52/114,9	4.55/115,5	2.07/52,5
1583	158351Y		1			
1583	158352Y		1-1/4			
1583	158353Y		1-7/16			
1583	158354Y		1-1/2			
1584	158450	32	0.71*	6.05/153,4	6.09/154,8	2.82/71,75
1584	158451Y		1			
1584	158452Y		1-1/4			
1584	158453Y		1-7/16			
1584	158454Y		1-1/2			

***Idler sprocket Z-12 and Z-16 are supplied non-split.*
**Plain Bore*

MOVEX

SERIES 261

590 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MACHINED

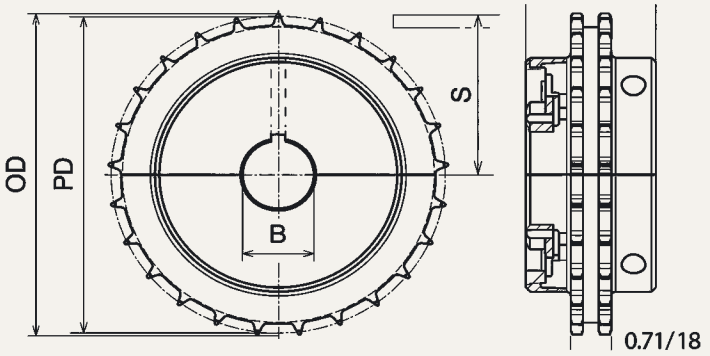
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



590 SPLIT DRIVE SPROCKET, MACHINED



590 SPLIT DRIVE SPROCKET – OD, PD, B, S; WIDTH 2.28/58, HUB FACE 0.71/18

590 - SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1511	151101Y	17	1	3.96 / 100,7	4.07 / 103,4	1.81 / 46,0
1511	151102Y		1-1/4			
1511	151103Y		1-7/16			
1511	151104Y		1-1/2			
1511	151106Y		1 * 1			
1511	151107Y		1-1/4 * 1-1/4			
1511	151108Y		1-1/2 * 1-1/2			
1512	151201Y	21	1	4.96 / 126,0	5.07 / 128,7	2.31 / 58,65
1512	151202Y		1-1/4			
1512	151203Y		1-7/16			
1512	151204Y		1-1/2			
1512	151206Y		1 * 1			
1512	151207Y		1-1/4 * 1-1/4			
1512	151208Y		1-1/2 * 1-1/2			
1513	151301Y	24	1	5.62 / 142,9	5.73 / 145,6	2.64 / 67,1
1513	151302Y		1-1/4			
1513	151303Y		1-7/16			
1513	151304Y		1-1/2			
1513	151306Y		1 * 1			
1513	151307Y		1-1/4 * 1-1/4			
1513	151308Y		1-1/2 * 1-1/2			

590 - SPLIT DRIVE SPROCKET, MACHINED (CONT.)

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1514	151401Y	25	1	5.87 / 149,0	5.97 / 151,7	2.76 / 70,15
1514	151402Y		1-1/4			
1514	151403Y		1-7/16			
1514	151404Y		1-1/2			
1514	151406Y		1 * 1			
1514	151407Y		1-1/4 * 1-1/4			
1514	151408Y		1-1/2 * 1-1/2			

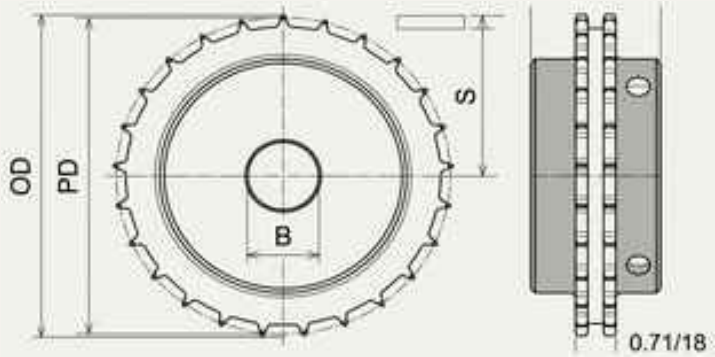
*Bore sizes given as "A * A" carry the square-bore symbol on the original page.*

MOVEX

SERIES 261 (CONT.)



590 SPLIT IDLER SPROCKET, MACHINED



590 SPLIT IDLER SPROCKET – OD, PD, B, S; WIDTH 2.28/58, HUB FACE 0.71/18

590 - SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1511	151150	17	0.71*	3.96 / 100,7	4.07 / 103,4	1.81 / 46,0
1511	151151Y		1			
1511	151152Y		1-1/4			
1511	151153Y		1-7/16			
1511	151154Y		1-1/2			
1512	151250	21	0.71*	4.96 / 126,0	5.07 / 128,7	2.31 / 58,65
1512	151251Y		1			
1512	151252Y		1-1/4			
1512	151253Y		1-7/16			
1512	151254Y		1-1/2			
1513	151350	24	0.71*	5.62 / 142,9	5.73 / 145,6	2.64 / 67,1
1513	151351Y		1			
1513	151352Y		1-1/4			
1513	151353Y		1-7/16			
1513	151354Y		1-1/2			
1514	151450	25	0.71*	5.87 / 149,0	5.97 / 151,7	2.76 / 70,15
1514	151451Y		1			
1514	151452Y		1-1/4			
1514	151453Y		1-7/16			
1514	151454Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

550 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MACHINED

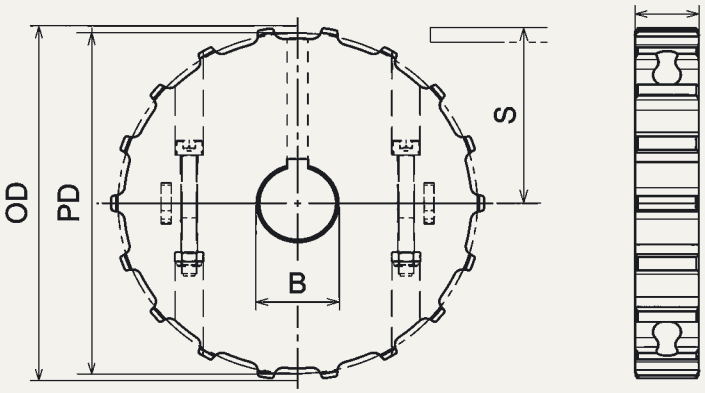
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



550 SPLIT DRIVE SPROCKET, MACHINED



550 SPLIT DRIVE SPROCKET – OD, PD, B, S; WIDTH 0.98/25

550 - SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1521	152101Y	14	1	4.49 / 114,1	4.49 / 114,0	2.07 / 52,7
1521	152102Y		1-1/4			
1521	152103Y		1-7/16			
1521	152104Y		1-1/2			
1521	152106Y		1 * 1			
1521	152107Y		1-1/4 * 1-1/4			
1521	152108Y		1-1/2 * 1-1/2			
1522	152201Y	16	1	5.12 / 130,2	5.12 / 130,0	2.39 / 60,7
1522	152202Y		1-1/4			
1522	152203Y		1-7/16			
1522	152204Y		1-1/2			
1522	152206Y		1 * 1			
1522	152207Y		1-1/4 * 1-1/4			
1522	152208Y		1-1/2 * 1-1/2			
1523	152301Y	18	1	5.76 / 146,3	5.75 / 146,0	2.71 / 68,8
1523	152302Y		1-1/4			
1523	152303Y		1-7/16			
1523	152304Y		1-1/2			
1523	152306Y		1 * 1			
1523	152307Y		1-1/4 * 1-1/4			
1523	152308Y		1-1/2 * 1-1/2			

550 - SPLIT DRIVE SPROCKET, MACHINED (CONT.)

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1524	152401Y	20	1	6.39 / 162,4	6.38 / 162,0	3.02 / 76,8
1524	152402Y		1-1/4			
1524	152403Y		1-7/16			
1524	152404Y		1-1/2			
1524	152406Y		1 * 1			
1524	152407Y		1-1/4 * 1-1/4			
1524	152408Y		1-1/2 * 1-1/2			

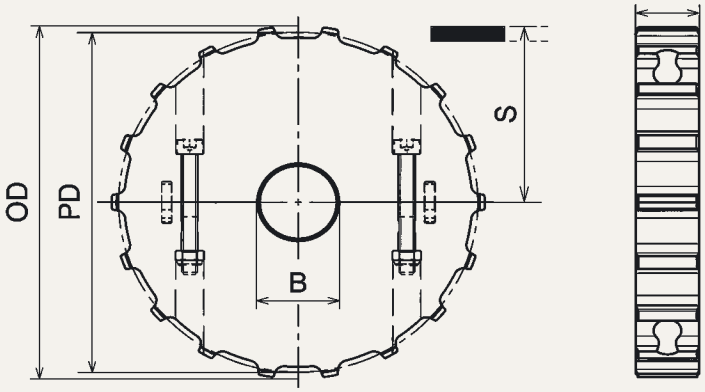
*Bore sizes given as "A * A" carry the square-bore symbol on the original page.*

MOVEX

SERIES 261 (CONT.)



550 SPLIT IDLER SPROCKET, MACHINED



550 SPLIT IDLER SPROCKET – OD, PD, B, S; WIDTH 0.98/25

550 - SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1521	152150	14	0.71*	4.49 / 114,1	4.49 / 114,0	2.07 / 52,7
1521	152151Y		1			
1521	152152Y		1-1/4			
1521	152153Y		1-7/16			
1521	152154Y		1-1/2			
1522	152250	16	0.71*	5.12 / 130,2	5.12 / 130,0	2.39 / 60,7
1522	152251Y		1			
1522	152252Y		1-1/4			
1522	152253Y		1-7/16			
1522	152254Y		1-1/2			
1523	152350	18	0.71*	5.76 / 146,3	5.75 / 146,0	2.71 / 68,8
1523	152351Y		1			
1523	152352Y		1-1/4			
1523	152353Y		1-7/16			
1523	152354Y		1-1/2			
1524	152450	20	0.71*	6.39 / 162,4	6.38 / 162,0	3.02 / 76,8
1524	152451Y		1			
1524	152452Y		1-1/4			
1524	152453Y		1-7/16			
1524	152454Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

550 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MOLDED

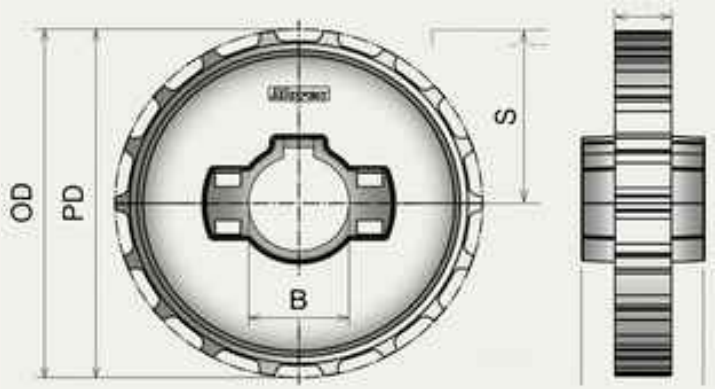
Material: Polyamide reinforced

Screws: Stainless steel

Nuts: Zinc plated steel



550 SPLIT DRIVE SPROCKET, MOLDED



550 SPLIT DRIVE SPROCKET – OD, PD, B, S; HUB 0.98/25, WIDTH 1.81/46

550 - SPLIT DRIVE SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1525	152501Y	14	1	4.49 / 114,1	4.49 / 114,0	2.07 / 52,7
1525	152502Y		1-1/4			
1525	152503Y		1-7/16			
1525	152504Y		1-1/2			
1525	152506Y		1 * 1			
1525	152507Y		1-1/4 * 1-1/4			
1525	152508Y		1-1/2 * 1-1/2			
1526	152601Y	16	1	5.12 / 130,2	5.12 / 130,0	2.39 / 60,7
1526	152602Y		1-1/4			
1526	152603Y		1-7/16			
1526	152604Y		1-1/2			
1526	152606Y		1 * 1			
1526	152607Y		1-1/4 * 1-1/4			
1526	152608Y		1-1/2 * 1-1/2			
1527	152701Y	18	1	5.76 / 146,3	5.75 / 146,0	2.71 / 68,8
1527	152702Y		1-1/4			
1527	152703Y		1-7/16			
1527	152704Y		1-1/2			
1527	152706Y		1 * 1			
1527	152707Y		1-1/4 * 1-1/4			
1527	152708Y		1-1/2 * 1-1/2			

550 - SPLIT DRIVE SPROCKET, MOLDED (CONT.)

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1528	152801Y	20	1	6.39 / 162,4	6.38 / 162,0	3.02 / 76,8
1528	152802Y		1-1/4			
1528	152803Y		1-7/16			
1528	152804Y		1-1/2			
1528	152806Y		1 * 1			
1528	152807Y		1-1/4 * 1-1/4			
1528	152808Y		1-1/2 * 1-1/2			

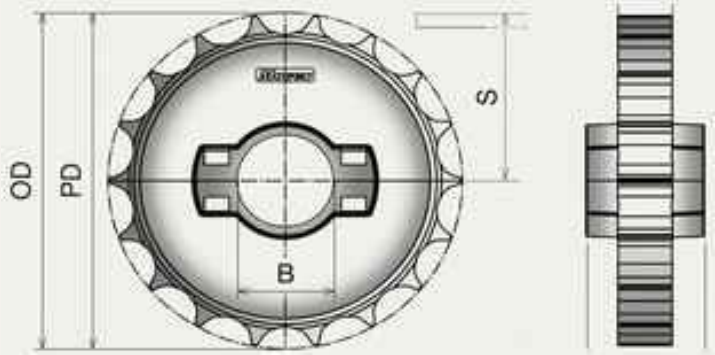
*Bore sizes given as "A * A" carry the square-bore symbol on the original page.*

MOVEX

SERIES 261 (CONT.)



550 SPLIT IDLER SPROCKET, MOLDED



550 SPLIT IDLER SPROCKET – OD, PD, B, S; HUB 0.98/25, WIDTH 1.81/46

550 - SPLIT IDLER SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1525	152551Y	14	1	4.49 / 114,1	4.49 / 114,0	2.07 / 52,7
1525	152552Y		1-1/4			
1525	152553Y		1-7/16			
1525	152554Y		1-1/2			
1526	152651Y	16	1	5.12 / 130,2	5.12 / 130,0	2.39 / 60,7
1526	152652Y		1-1/4			
1526	152653Y		1-7/16			
1526	152654Y		1-1/2			
1527	152751Y	18	1	5.76 / 146,3	5.75 / 146,0	2.71 / 68,8
1527	152752Y		1-1/4			
1527	152753Y		1-7/16			
1527	152754Y		1-1/2			
1528	152851Y	20	1	6.39 / 162,4	6.38 / 162,0	3.02 / 76,8
1528	152852Y		1-1/4			
1528	152853Y		1-7/16			
1528	152854Y		1-1/2			

MOVEX

SERIES 261

551 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MACHINED

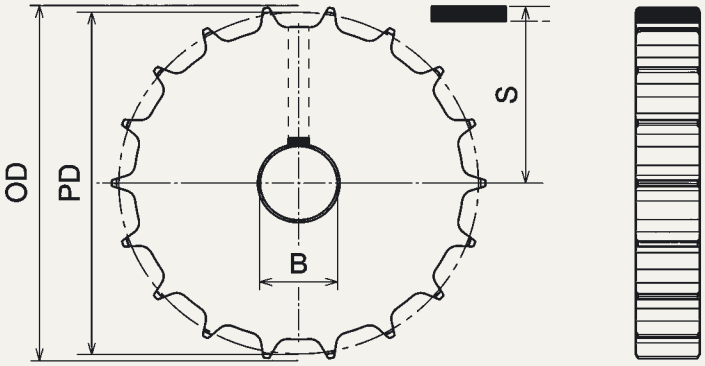
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



551 SPLIT DRIVE SPROCKET, MACHINED



551 SPLIT DRIVE SPROCKET – OD, PD, B, S; WIDTH 0.98/25

551 - SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1531	153101Y	14	1	4.50 / 114,2	4.47 / 113,5	1.99 / 50,7
1531	153102Y		1-1/4			
1531	153103Y		1-7/16			
1531	153104Y		1-1/2			
1531	153106Y		1 * 1			
1531	153107Y		1-1/4 * 1-1/4			
1531	153108Y		1-1/2 * 1-1/2			
1532	153201Y	16	1	5.12 / 130,2	5.08 / 129,0	2.31 / 58,7
1532	153202Y		1-1/4			
1532	153203Y		1-7/16			
1532	153204Y		1-1/2			
1532	153206Y		1 * 1			
1532	153207Y		1-1/4 * 1-1/4			
1532	153208Y		1-1/2 * 1-1/2			
1533	153301Y	18	1	5.76 / 146,3	5.72 / 145,3	2.62 / 66,7
1533	153302Y		1-1/4			
1533	153303Y		1-7/16			
1533	153304Y		1-1/2			
1533	153306Y		1 * 1			
1533	153307Y		1-1/4 * 1-1/4			
1533	153308Y		1-1/2 * 1-1/2			

551 - SPLIT DRIVE SPROCKET, MACHINED (CONT.)

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1534	153401Y	20	1	6.39 / 162,4	6.37 / 161,7	2.94 / 74,8
1534	153402Y		1-1/4			
1534	153403Y		1-7/16			
1533	153404Y		1-1/2			
1534	153406Y		1 * 1			
1534	153407Y		1-1/4 * 1-1/4			
1534	153408Y		1-1/2 * 1-1/2			

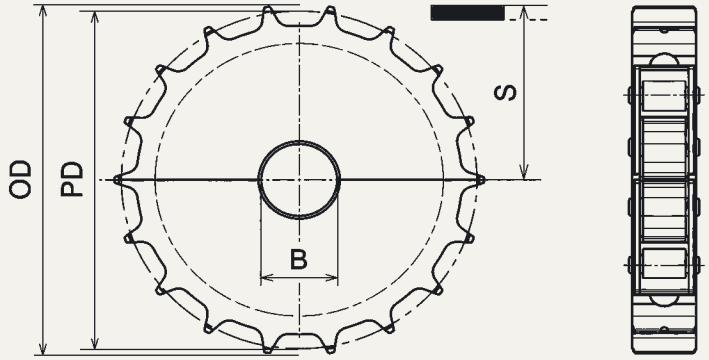
*Bore sizes given as "A * A" carry the square-bore symbol on the original page.*

MOVEX

SERIES 261 (CONT.)



551 SPLIT IDLER SPROCKET, MACHINED



551 SPLIT IDLER SPROCKET – OD, PD, B, S; WIDTH 0.98/25

551 - SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN / MM)	OD (IN / MM)	S (IN / MM)
1531	153150	14	0.71*	4.50 / 114,2	4.47 / 114,0	1.99 / 50,7
1531	153151Y		1			
1531	153152Y		1-1/4			
1531	153153Y		1-7/16			
1531	153154Y		1-1/2			
1532	153250	16	0.71*	5.12 / 130,2	5.08 / 129,0	2.31 / 58,7
1532	153251Y		1			
1532	153252Y		1-1/4			
1532	153253Y		1-7/16			
1532	153254Y		1-1/2			
1533	153350	18	0.71*	5.76 / 146,3	5.72 / 145,3	2.62 / 66,7
1533	153351Y		1			
1533	153352Y		1-1/4			
1533	152353Y		1-7/16			
1533	153354Y		1-1/2			
1534	153450	20	0.71*	6.39 / 162,4	6.37 / 161,7	2.94 / 74,8
1534	153451Y		1			
1534	153452Y		1-1/4			
1534	153453Y		1-7/16			
1534	153454Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

551 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MOLDED

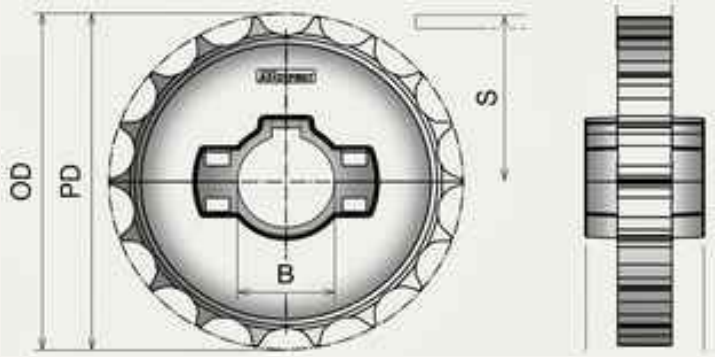
Material: Polyamide reinforced

Screws: Stainless steel

Nuts: Zinc plated steel



551 SPLIT DRIVE SPROCKET, MOLDED



SPLIT DRIVE SPROCKET – OD, PD, B, S, 0.98/25, 1.81/46

551 SPLIT DRIVE SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1535	153501Y	14	1	4.50/114,2	4.47/113,5	1.99/50,7
1535	153502Y		1-1/4			
1535	153503Y		1-7/16			
1535	153504Y		1-1/2			
1535	153506Y		1 * 1 □			
1535	153507Y		1-1/4 * 1-1/4 □			
1535	153508Y		1-1/2 * 1-1/2 □			
1536	153601Y	16	1	5.12/130,2	5.08/129,0	2.31/58,7
1536	153602Y		1-1/4			
1536	153603Y		1-7/16			
1536	153604Y		1-1/2			
1536	153606Y		1 * 1 □			
1536	153607Y		1-1/4 * 1-1/4 □			
1536	153608Y		1-1/2 * 1-1/2 □			
1537	153701Y	18	1	5.76/146,3	5.72/145,3	2.62/66,7
1537	153702Y		1-1/4			
1537	153703Y		1-7/16			
1537	153704Y		1-1/2			
1537	153706Y		1 * 1 □			
1537	153707Y		1-1/4 * 1-1/4 □			
1537	153708Y		1-1/2 * 1-1/2 □			
1538	153801Y	20	1	6.39/162,4	6.37/161,7	2.94/74,8
1538	153802Y		1-1/4			

551 SPLIT DRIVE SPROCKET, MOLDED (CONT.)

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1538	153803Y		1-7/16			
1538	153804Y		1-1/2			
1538	153806Y		1 * 1 □			
1538	153807Y		1-1/4 * 1-1/4 □			
1538	153808Y		1-1/2 * 1-1/2 □			

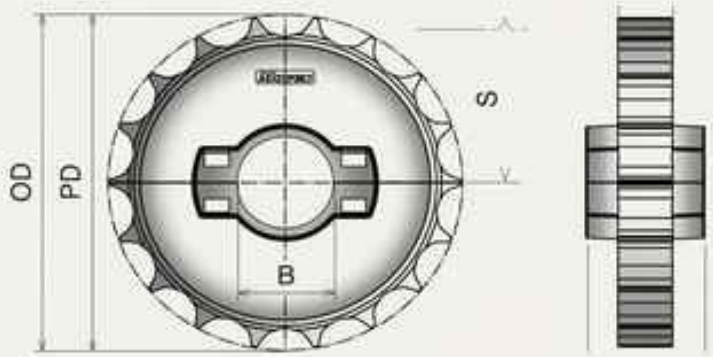
□ = square bore.

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET, MOLDED



SPLIT IDLER SPROCKET – OD, PD, B, S, 0.98/25, 1.81/46

SPLIT IDLER SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1535	153551Y	14	1	4.50/114,2	4.47/113,5	1.99/50,7
1535	153552Y		1-1/4			
1535	153553Y		1-7/16			
1535	153554Y		1-1/2			
1536	153651Y	16	1	5.12/130,2	5.08/129,0	2.31/58,7
1536	153652Y		1-1/4			
1536	153653Y		1-7/16			
1536	153654Y		1-1/2			
1537	153751Y	18	1	5.76/146,3	5.72/145,3	2.62/66,7
1537	153752Y		1-1/4			
1537	153753Y		1-7/16			
1537	153754Y		1-1/2			
1538	153851Y	20	1	6.39/162,4	6.37/161,7	2.94/74,8
1538	153852Y		1-1/4			
1538	153853Y		1-7/16			
1538	153854Y		1-1/2			

MOVEX

SERIES 261

552 BELT SPROCKETS – SPLIT DRIVE SPROCKET, MACHINED

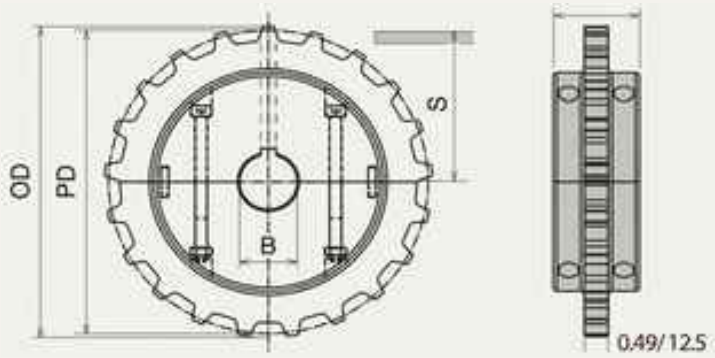
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



552 SPLIT DRIVE SPROCKET, MACHINED



SPLIT DRIVE SPROCKET – OD, PD, B, S, 1.77/45, 0.49/12.5

552 SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1611	161101Y	16	1	5.12/130,2	5.14/130,6	2.31/58,7
1611	161102Y		1-1/4			
1611	161103Y		1-7/16			
1611	161104Y		1-1/2			
1611	161106Y		1 * 1 ☐			
1611	161107Y		1-1/4 * 1-1/4 ☐			
1611	161108Y		1-1/2 * 1-1/2 ☐			
1612	161201Y	18	1	5.76/146,3	5.78/146,9	2.63/66,8
1612	161202Y		1-1/4			
1612	161203Y		1-7/16			
1612	161204Y		1-1/2			
1612	161206Y		1 * 1 ☐			
1612	161207Y		1-1/4 * 1-1/4 ☐			
1612	161208Y		1-1/2 * 1-1/2 ☐			
1613	161301Y	21	1	6.71/170,4	6.72/170,7	3.10/78,8
1613	161302Y		1-1/4			
1613	161303Y		1-7/16			
1613	161304Y		1-1/2			
1613	161306Y		1 * 1 ☐			
1613	161307Y		1-1/4 * 1-1/4 ☐			
1613	161308Y		1-1/2 * 1-1/2 ☐			
1614	161401Y	25	1	7.98/202,7	8.04/204,2	3.74/95,0
1614	161402Y		1-1/4			
1614	161403Y		1-7/16			
1614	161404Y		1-1/2			
1614	161406Y		1 * 1 ☐			
1614	161407Y		1-1/4 * 1-1/4 ☐			
1614	161408Y		1-1/2 * 1-1/2 ☐			

☐ = square bore.

MOVEX

SERIES 261

552 BELT SPROCKETS – SPLIT IDLER SPROCKET, MACHINED

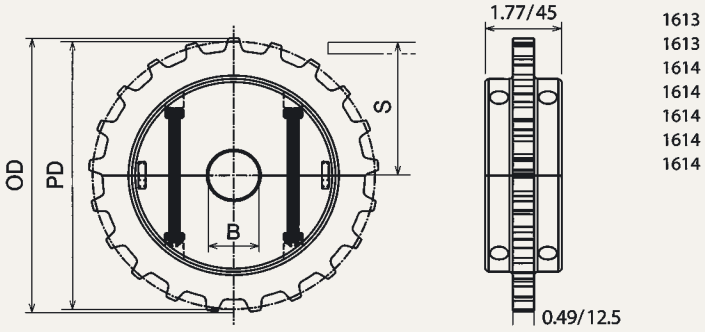
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



552 SPLIT IDLER SPROCKET, MACHINED



SPLIT IDLER SPROCKET – OD, PD, B, S, 1.77/45, 0.49/12.5

552 SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1611	161150	16	0.71*	5.12/130,2	5.14/130,6	2.31/58,7
1611	161151Y		1			
1611	161152Y		1-1/4			
1611	161153Y		1-7/16			
1611	161154Y		1-1/2			
1612	161250	18	0.71*	5.76/146,3	5.78/146,9	2.63/66,8
1612	161251Y		1			
1612	161252Y		1-1/4			
1612	161253Y		1-7/16			
1612	161254Y		1-1/2			
1613	161350	21	0.71*	6.71/170,4	6.72/170,7	3.10/78,8
1613	161351Y		1			
1613	161352Y		1-1/4			
1613	161353Y		1-7/16			
1613	161354Y		1-1/2			
1614	161450	25	0.71*	7.98/202,7	8.04/204,2	3.74/95,0
1614	161451Y		1			
1614	161452Y		1-1/4			
1614	161453Y		1-7/16			
1614	161454Y		1-1/2			

MOVEX

SERIES 261

260-261 BELT SPROCKETS – SPLIT DRIVE & IDLER SPROCKETS, MACHINED

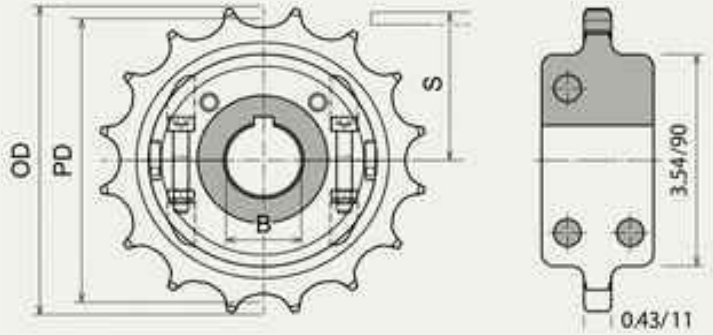
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



260-261 SPLIT DRIVE SPROCKET, MACHINED



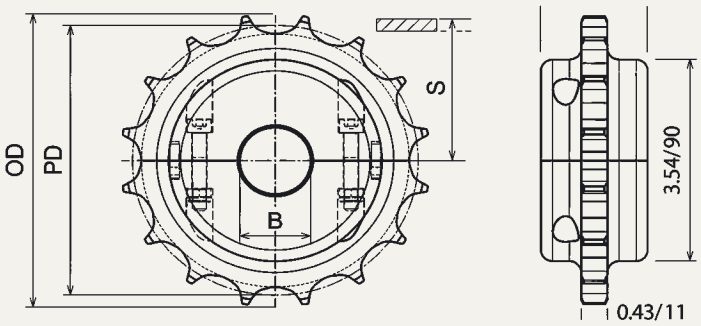
SPLIT DRIVE SPROCKET – OD, PD, B, S, 1.77/45, 3.54/90, 0.43/11

260-261 SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1541	154101Y	16	1	5.07/128,9	5.15/130,9	2.67/67,8
1541	154102Y		1-1/4			
1541	154103Y		1-7/16			
1541	154104Y		1-1/2			
1542	154201Y	18	1	5.70/144,8	5.78/146,8	2.98/75,7
1542	154202Y		1-1/4			
1542	154203Y		1-7/16			
1542	154204Y		1-1/2			
1543	154301Y	19	1	6.07/154,3	6.15/156,3	3.17/80,5
1543	154302Y		1-1/4			
1543	154303Y		1-7/16			
1543	154304Y		1-1/2			



SPLIT IDLER SPROCKET, MACHINED



SPLIT IDLER SPROCKET – OD, PD, B, S, 1.77/45, 3.54/90, 0.43/11

MOVEX

SERIES 261 (CONT.)

SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN-MM)	OD (IN-MM)	S (IN-MM)
1541	154150	16	0.71*	5.07/128,9	5.15/130,9	2.67/67,8
1541	154151Y		1			
1541	154152Y		1-1/4			
1541	154153Y		1-7/16			
1541	154154Y		1-1/2			
1542	154250	18	0.71*	5.70/144,8	5.78/146,8	2.98/75,7
1542	154251Y		1			
1542	154252Y		1-1/4			
1542	154253Y		1-7/16			
1542	154254Y		1-1/2			
1543	154350	19	0.71*	6.07/154,3	6.15/156,3	3.17/80,5
1543	154351Y		1			
1543	154352Y		1-1/4			
1543	154353Y		1-7/16			
1543	154354Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

MATERIAL: POLYAMIDEREINFORCED

260-261 - BELT SPROCKETS

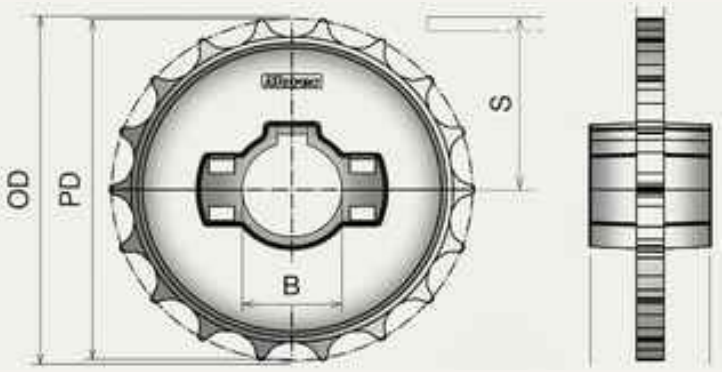
Material: Polyamide reinforced

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MOLDED



SPLIT DRIVE SPROCKET DIMENSIONS – OD, PD, B, S; FACE WIDTH 1.81/46, TOOTH THICKNESS 0.43/11

260-261 SPLIT DRIVE SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1545	154501Y	16	1	5.07/ 128,9	5.15/ 130,9	2.67/ 67,8
1545	154502Y		1-1/4			
1545	154503Y		1-7/16			
1545	154504Y		1-1/2			
1545	154506Y		1 * 1			
1545	154507Y		1-1/4 * 1-1/4			
1545	154508Y		1-1/2 * 1-1/2			
1546	154601Y	18	1	5.70/ 144,8	5.78/ 146,8	2.98/ 75,7
1546	154602Y		1-1/4			
1546	154603Y		1-7/16			
1546	154604Y		1-1/2			
1546	154606Y		1 * 1			
1546	154607Y		1-1/4 * 1-1/4			
1546	154608Y		1-1/2 * 1-1/2			
1547	154701Y	19	1	6.07/ 154,3	6.15/ 156,3	3.17/ 80,5
1547	154702Y		1-1/4			
1547	154703Y		1-7/16			
1547	154704Y		1-1/2			
1547	154706Y		1 * 1			
1547	154707Y		1-1/4 * 1-1/4			
1547	154708Y		1-1/2 * 1-1/2			

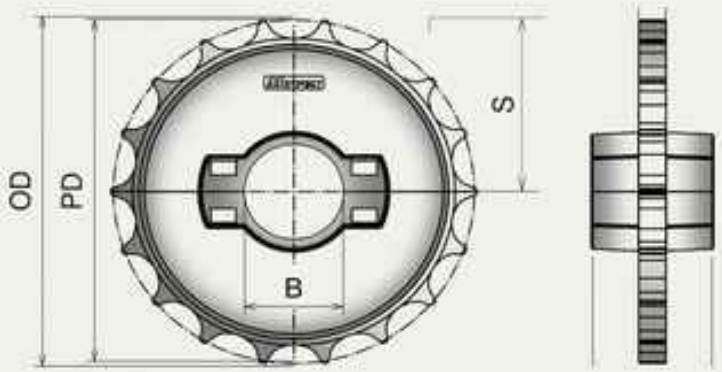
*A square-bore symbol is shown on the page beside the "1 * 1", "1-1/4 * 1-1/4" and "1-1/2 * 1-1/2" bore sizes.*

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET, MOLDED



SPLIT IDLER SPROCKET DIMENSIONS – OD, PD, B, S; FACE WIDTH 1.81/46, TOOTH THICKNESS 0.43/11

SPLIT IDLER SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1545	154551Y	16	1	5.07/ 128,9	5.15/ 130,9	2.67/ 67,8
1545	154552Y		1-1/4			
1545	154553Y		1-7/16			
1545	154554Y		1-1/2			
1546	154651Y	18	1	5.70/ 144,8	5.78/ 146,8	2.98/ 75,7
1546	154652Y		1-1/4			
1546	154653Y		1-7/16			
1546	154654Y		1-1/2			
1547	154751Y	19	1	6.07/ 154,3	6.15/ 156,3	3.17/ 80,5
1547	154752Y		1-1/4			
1547	154753Y		1-7/16			
1547	154754Y		1-1/2			

MOVEX

SERIES 261

556

556 - BELT SPROCKETS

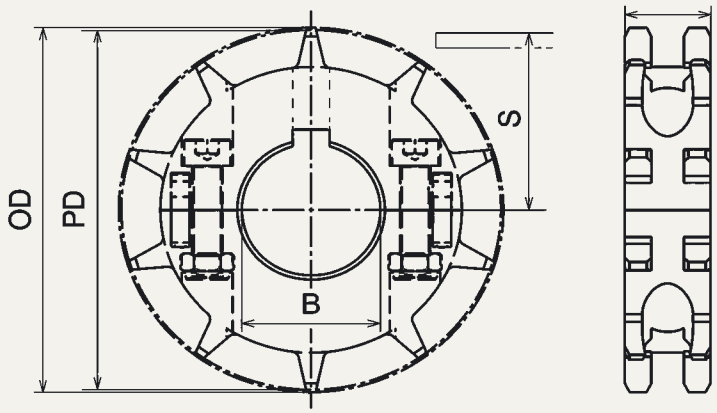
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



SPLIT DRIVE SPROCKET, MACHINED



SPLIT DRIVE SPROCKET DIMENSIONS – OD, PD, B, S; WIDTH 0.73/18.55

556 SPLIT DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1620	162001Y	10	1	3.24/ 82,2	3.28/ 83,3	1.30/ 33,0
1620	162002Y		1-1/4			
1620	162003YE		1-7/16			
1620	162004YE		1-1/2			
1620	162006Y		1 * 1			
1620	162007Y		1-1/4 * 1-1/4			
1620	162008YE		1-1/2 * 1-1/2			
1621	162101Y	12	1	3.86/ 98,1	3.94/ 100,0	1.61/ 41,0
1621	162102Y		1-1/4			
1621	162103Y		1-7/16			
1621	162104Y		1-1/2			
1621	162106Y		1 * 1			
1621	162107Y		1-1/4 * 1-1/4			
1621	162108YE		1-1/2 * 1-1/2			
1622	162201Y	15	1	4.81/ 122,2	4.89/ 124,3	2.09/ 53,0
1622	162202Y		1-1/4			
1622	162203Y		1-7/16			
1622	162204Y		1-1/2			
1622	162206Y		1 * 1			
1622	162207Y		1-1/4 * 1-1/4			
1622	162308Y		1-1/2 * 1-1/2			
1623	162301Y	18	1	5.76/ 146,3	5.82/ 147,8	2.56/ 65,0
1623	162302Y		1-1/4			
1623	162303Y		1-7/16			
1623	162304Y		1-1/2			
1623	162306Y		1 * 1			
1623	162307Y		1-1/4 * 1-1/4			

MOVEX

SERIES 261

MATERIAL: POLYAMIDE

600 - BELT SPROCKETS

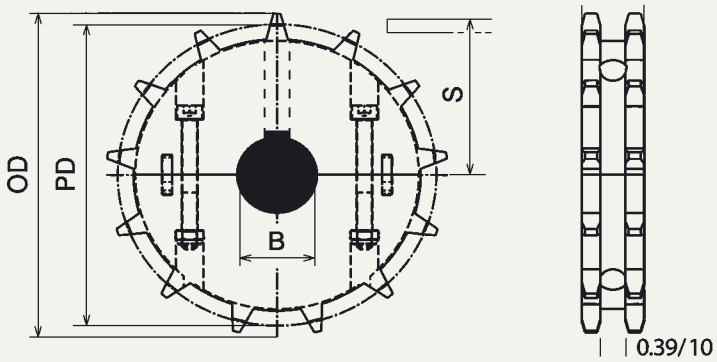
Material: Polyamide

Screws: Stainless steel

Nuts: Zinc plated steel



600 SPROCKET



600 SPROCKET DIMENSIONS – OD, PD, B, S; HUB WIDTH 1.10/28, TOOTH THICKNESS 0.39/10

600

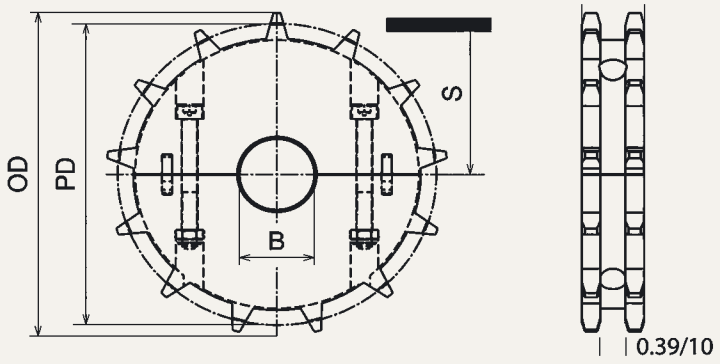
PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1571	157101Y	10	1	4.05/ 102,8	4.24/ 107,7	1.77/ 45,0
1571	157102Y		1-1/4			
1571	157103Y		1-7/16			
1571	157104Y		1-1/2			
1572	157201Y	13	1	5.22/ 132,7	5.46/ 138,8	2.36/ 60,0
1572	157202Y		1-1/4			
1572	157203Y		1-7/16			
1572	157204Y		1-1/2			
1573	157301Y	15	1	6.01/ 152,7	6.27/ 159,4	2.75/ 70,0
1573	157302Y		1-1/4			
1573	157303Y		1-7/16			
1573	157304Y		1-1/2			
1574	157401Y	16	1	6.41/ 162,8	6.68/ 169,6	2.95/ 75,0
1574	157402Y		1-1/4			
1574	157403Y		1-7/16			
1574	157404Y		1-1/2			

MOVEX

SERIES 261 (CONT.)



SPLIT IDLER SPROCKET, MACHINED



SPLIT IDLER SPROCKET DIMENSIONS – OD, PD, B, S; HUB WIDTH 1.10/28, TOOTH THICKNESS 0.39/10

SPLIT IDLER SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1571	157150	10	0.71*	4.05/ 102,8	4.24/ 107,7	1.77/ 45,0
1571	157151Y		1			
1571	157152Y		1-1/4			
1571	157153Y		1-7/16			
1571	157154Y		1-1/2			
1572	157250	13	0.71*	5.22/ 132,7	5.46/ 138,8	2.36/ 60,0
1572	157251Y		1			
1572	157252Y		1-1/4			
1572	157253Y		1-7/16			
1572	157254Y		1-1/2			
1573	157350	15	0.71*	6.01/ 152,7	6.27/ 159,4	2.75/ 70,0
1573	157351Y		1			
1573	157352Y		1-1/4			
1573	157353Y		1-7/16			
1573	157354Y		1-1/2			
1574	157450	16	0.71*	6.41/ 162,8	6.68/ 169,6	2.95/ 75,0
1574	157451Y		1			
1574	157452Y		1-1/4			
1574	157453Y		1-7/16			
1574	157454Y		1-1/2			

**Plain Bore*

MOVEX

SERIES 261

500 RR

500 RR - BELT SPROCKETS

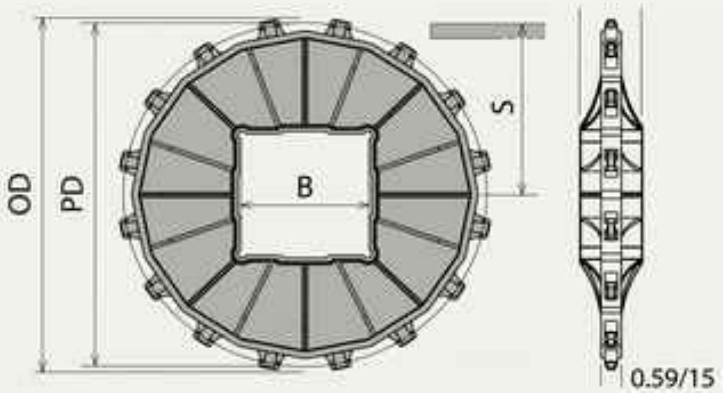
Material: Machined: Acetal resin

Screws: Stainless steel

Nuts: Zinc plated steel



DRIVE SPROCKET, MOLDED



DRIVE SPROCKET DIMENSIONS – OD, PD, B, S; HUB WIDTH 1.77/45, RIM THICKNESS 0.59/15

500 RR DRIVE SPROCKET, MOLDED

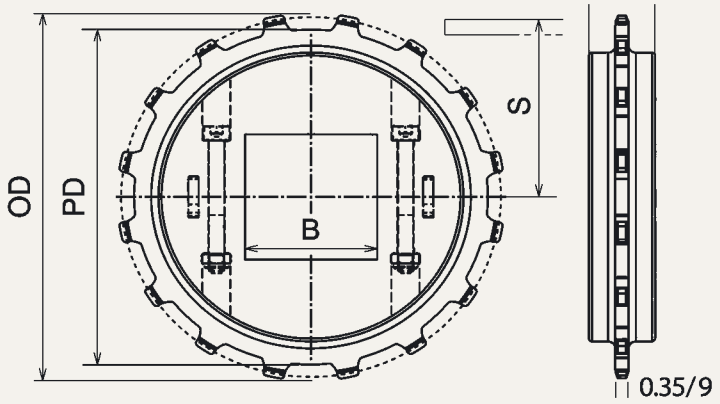
PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1551	155104	10	Ø40	6.47/ 164,4	6.42/ 163,1	2.92/ 74,2
1551	155105		Ø50			
1551	155106		40x40			
1551	155107		60x60			
1551	155108		65x65			
1552	155204	12	Ø40	7.73/ 196,3	7.73/ 196,3	3.55/ 90,1
1552	155206		40x40			
1552	155207		60x60			
1552	155208		65x65			
1553	155311	13	Ø65	8.36/ 212,3	8.23/ 209,0	3.86/ 98,1
1553	155310		Ø90			
1553	155306		40x40			
1553	155307		60x60			
1553	155308		65x65			
1553	155309		90x90			
1559	155910	16	Ø90	10.25/ 260,4	10.31/ 262,0	4.81/ 122,3
1559	155905		Ø2,5"			
1559	155908		65x65			
1559	155909		90x90			
1559	155912		120x120			

MOVEX

SERIES 261 (CONT.)



DRIVE SPROCKET, MACHINED



DRIVE SPROCKET DIMENSIONS – OD, PD, B, S; HUB WIDTH 1.97/50, RIM THICKNESS 0.35/9

DRIVE SPROCKET, MACHINED

PART	ARTICLE-NR.	Z-	BORE (IN)	PD (IN/MM)	OD (IN/MM)	S (IN/MM)
1607	160704	10	Ø40	6.47/ 164,4	6.42/ 163,1	2.92/ 74,2
1607	160705		Ø50			
1607	160706		40x40			
1607	160707		60x60			
1607	160708		65x65			
1608	160804	12	Ø40	7.73/ 196,3	7.73/ 196,3	3.55/ 90,1
1608	160806		40x40			
1608	160807		60x60			
1608	160808		65x65			
1609	160911	13	Ø65	8.36/ 212,3	8.23/ 209,0	3.86/ 98,1
1609	160910		Ø90			
1609	160906		40x40			
1609	160907		60x60			
1609	160908		65x65			
1609	160909		90x90			
1610	161010	16	Ø90	10.25/ 260,4	10.31/ 262,0	4.81/ 122,3
1610	161005		Ø2,5"			
1610	161008		65x65			
1610	161009		90x90			
1610	161012		120x120			

MOVEX

SERIES 261

500 RR SPLIT VERSION – DRIVE SPROCKET, MOLDED

MATERIALS

- Material: Machined: Acetal resin
- Screws: Stainless steel
- Nuts: Zinc plated steel



500 RR SPLIT VERSION DRIVE SPROCKET, MOLDED

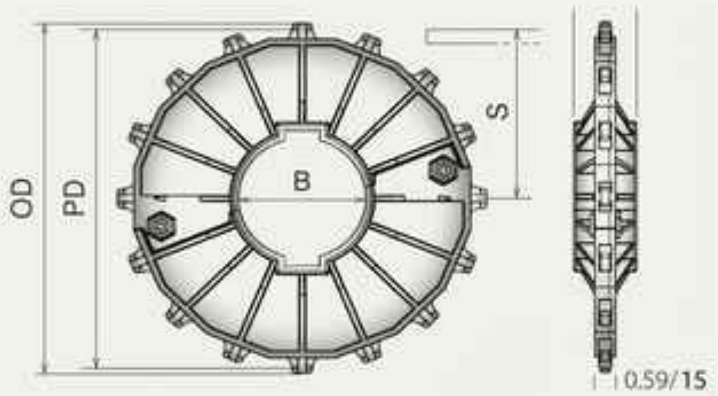


SPLIT SPROCKET HALVES WITH SCREWS

500 RR SPLIT VERSION - BELT SPROCKETS · DRIVE SPROCKET, MOLDED

PART	ARTICLE-NR.	Z-	BORE (IN)
1558	155809	16	Ø 90 x 90
1558	155810	16	Ø 90 with double keyway

New



SPROCKET DIMENSIONS: OD, PD, B, S, 1.77/45, 0.59/15

BRAND

REGINA

MATVEYOR BELTS & CHAINS

812 8Mm Nanopitch Belt
816 ½″ Pitch Belts & Chains
847 1″ Pitch Light Duty Belts & Chains
880 ¾″ Pitch Medium Duty Belts & Chains
894 1″ Pitch Heavy Duty Belts & Chains
924 1¼″ Pitch Heavy Duty Sideflexing Belts
935 Heavy Duty Fixed Radius Belts
942 2″ Pitch Heavy Duty Raised Rib Belts
950 1½″ Pitch Heavy Duty UCC Chains

REGINA

8MM NANOPITCH BELT

MATVEYOR

MATVEYOR

8 mm Nanopitch Belt

REGINA

8MM NANOPITCH BELT

8300 SERIES – IMPERIAL STANDARD

6,15 MM (0.242") THICKNESS - SOLID TOP

Ideal to equip conveyors with tight nose-over transfer of unstable and delicate products with small foot-print. Particularly suitable for the following applications:

- As a dynamic alternative to the dead transfer plate between two conveyors equipped with longer pitch belts that do not allow for direct transfer of tight products.

- Product handling within packaging machines.

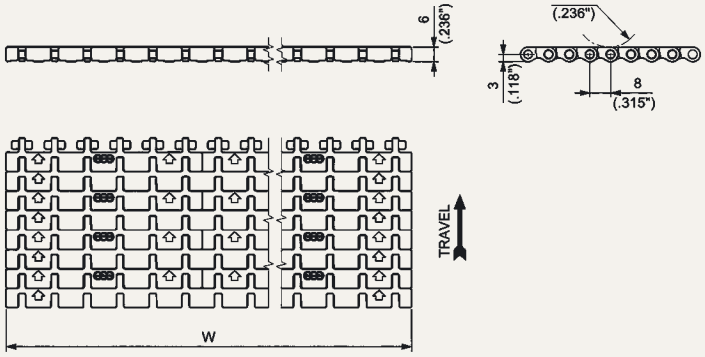
- All other unstable and delicate small foot-print loose products handling applications.



8300 SERIES SOLID TOP BELT

TECHNICAL DATA

- **Belt widths:** 76,2 mm (3") or wider in 76,2 mm (3") increments
- **Working Load (at 25°C/77°F):** 8000 N/m (548 lbs/ft) for F.A.S.T. material
- **Belt weight:** 5,36 kg/m² (1.10 lbs/ft²) for F.A.S.T. material



BELT SIDE VIEW AND TOP VIEW: THICKNESS 6 (.236"), PITCH 8 (.315"), 3 (.118"), R 6 (.236"), WIDTH W, DIRECTION OF TRAVEL

8 MM NANOPITCH BELT - 8300 SERIES

WIDTH W		MATERIAL – MODULE: F.A.S.T. ECOLOGICAL FRICTION ABATING THERMOPLASTIC
MM	INCH	PART NUMBER
152,4	6	8300EF006
228,6	9	8300EF009
304,8	12	8300EF012
381,0	15	8300EF015
457,2	18	8300EF018
533,4	21	8300EF021
609,6	24	8300EF024
685,8	27	8300EF027
762,0	30	8300EF030
838,2	33	8300EF033
914,4	36	8300EF036
990,6	39	8300EF039

Belts wider than 990,6 mm (39") are available in 76,2 mm (3") increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width.
Example: for a 42" wide belt (=39+3"), the PN for EF material is "8300EF042".
Standard packaging: Belts are supplied in the length requested by the customer.

REGINA

8MM NANOPITCH BELT

SPROCKETS - 8300 SERIES

SUITABLE FOR CHAINS

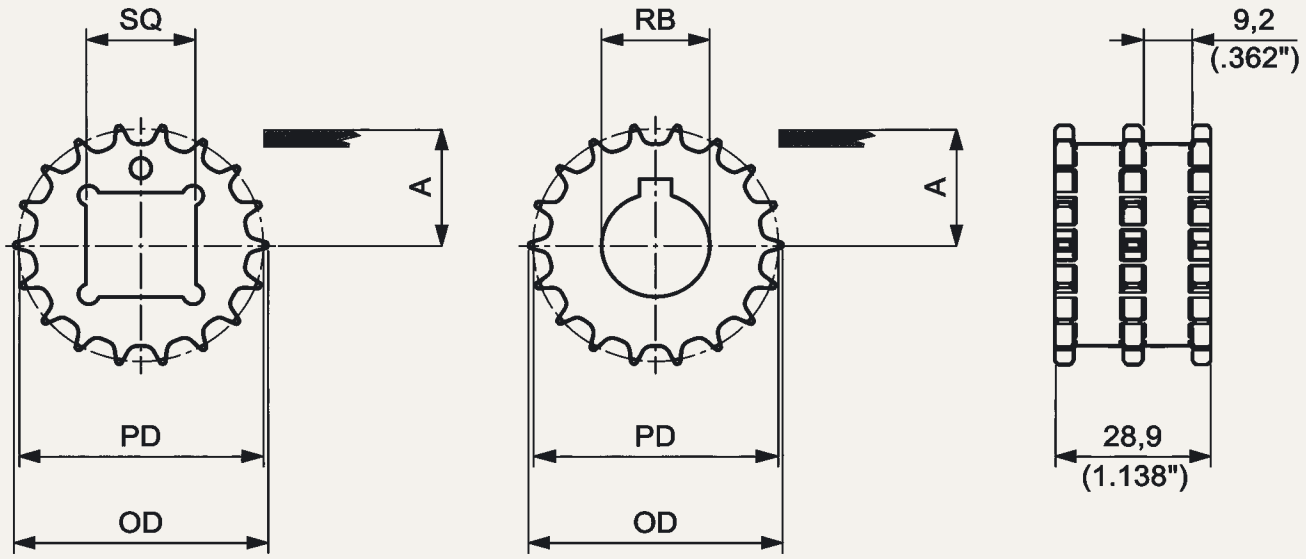
› 8300

MATERIALS

Sprockets: **PA** Polyamide



8300 SERIES SPROCKET



SQUARE BORE – DRIVE/IDLER AND ROUND BORE – DRIVE SPROCKETS: SQ, RB, PD, OD, A, 28,9 (1.138"), 9,2 (.362")

MACHINED SOLID DRIVE SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	KG	LBS
18	46,07	1.814	47,00	1.850	20,04	0.789	20		MPBAQ83001820	MPBAT83001820	0,03	0.07
							25			MPBAT83001825	0,03	0.07
								¾	MPBAQ830018190	MPBAT830018190	0,03	0.07
								1		MPBAT830018254	0,03	0.07
24	61,29	2.413	62,30	2.453	27,65	1.088	20			MPBAT83002420	0,07	0.15
							25		MPBAQ83002425	MPBAT83002425	0,06	0.13
							30			MPBAT83002430	0,05	0.11
								1	MPBAQ830024254	MPBAT830024254	0,06	0.13
								1¼		MPBAT830024317	0,05	0.11

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

8MM NANOPITCH BELT

SPROCKETS - 8300 SERIES

SUITABLE FOR CHAINS

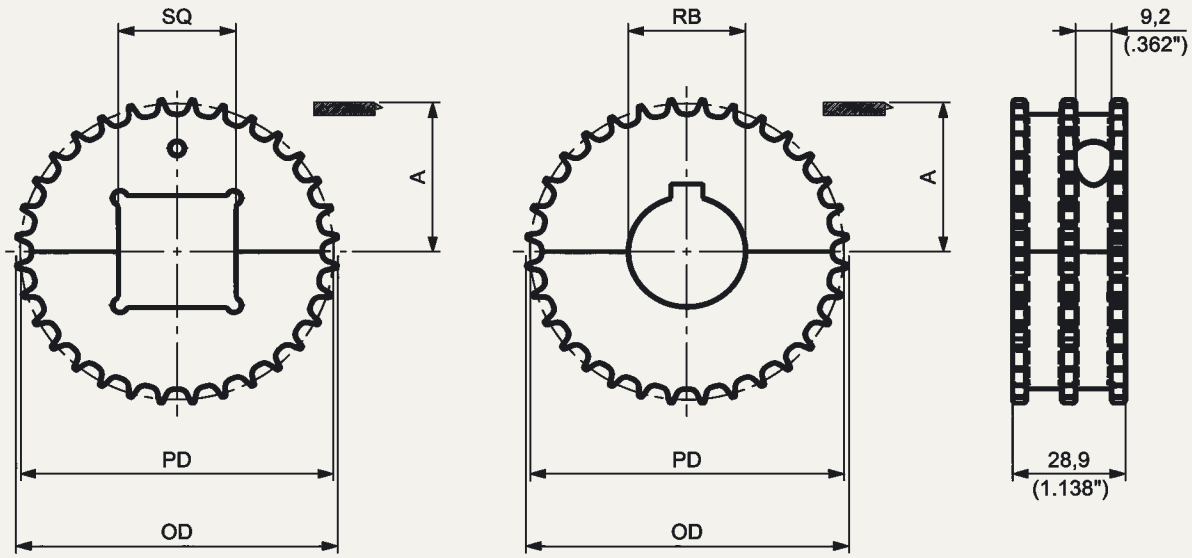
› 8300

MATERIALS

	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless steel
Nuts	B	Brass



8300 SERIES SPLIT SPROCKET, SQUARE BORE



SQUARE BORE – DRIVE/IDLER AND ROUND BORE – DRIVE SPROCKETS: PD, OD, SQ, RB AND A DIMENSIONS; 28,9 (1.138") HUB WIDTH, 9,2 (.362") TOOTH WIDTH

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB – DRIVE	KG	LBS
32	81,59	3.212	82,60	3.252	37,80	1.488	25			MPBAST83003225	0,14	0.31
32	81,59	3.212	82,60	3.252	37,80	1.488	30		MPBASQ83003230	MPBAST83003230	0,13	0.29
32	81,59	3.212	82,60	3.252	37,80	1.488	35			MPBAST83003235	0,13	0.29
32	81,59	3.212	82,60	3.252	37,80	1.488	40		MPBASQ83003240	MPBAST83003240	0,12	0.26
32	81,59	3.212	82,60	3.252	37,80	1.488		1		MPBAST830032254	0,14	0.31
32	81,59	3.212	82,60	3.252	37,80	1.488		1¼		MPBAST830032317	0,13	0.29
32	81,59	3.212	82,60	3.252	37,80	1.488		1½	MPBASQ830032381	MPBAST830032381	0,12	0.26
36	91,79	3.614	92,70	3.650	42,99	1.692	25			MPBAST83003625	0,20	0.44
36	91,79	3.614	92,70	3.650	42,99	1.692	30		MPBASQ83003630	MPBAST83003630	0,19	0.42
36	91,79	3.614	92,70	3.650	42,99	1.692	35			MPBAST83003635	0,18	0.40

REGINA

½" PITCH BELTS & CHAINS

1/2" PITCH BELTS & CHAINS

MATVEYOR

1/2" Pitch Belts & Chains

REGINA

½" PITCH BELTS & CHAINS

600 SERIES – 8,7 MM SOLID TOP (METRIC STANDARD)

8,7 MM (0.343") THICKNESS - SOLID TOP

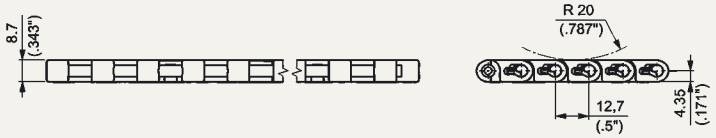
This belt offers a smooth and completely closed surface to provide excellent support and minimize product tipping.

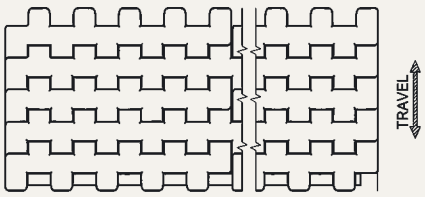
Particularly suitable for conveyors where head transfer of products is required.

- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for UP and D2K materials; 10000 N/m (685 lbs/ft) for PP material
- **Belt weight:** 9,55 kg/m² (1.95 lbs/ft²) for UP and D2K materials; 6,46 kg/m² (1.32 lbs/ft²) for PP material

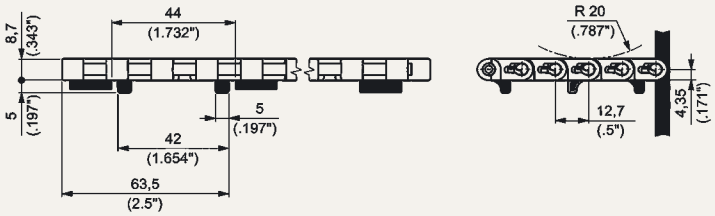


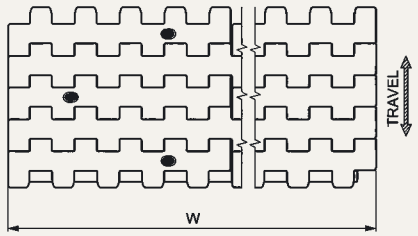
8,7 MM SOLID TOP BELT SURFACE





VERSION WITHOUT TRACKING GUIDE – 8,7 (.343") THICKNESS, 12,7 (.5") PITCH, 4,35 (.171"), R 20 (.787"), BELT WIDTH W, DIRECTION OF TRAVEL





VERSION WITH TRACKING GUIDE – 8,7 (.343") THICKNESS, 5 (.197") GUIDE HEIGHT, 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 12,7 (.5") PITCH, 4,35 (.171"), R 20 (.787"), BELT WIDTH W, DIRECTION OF TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

SEE ALSO

- Materials – see page 12
- Nosebar – see page 182
- Sprockets – see pages 190÷194
- Applications – see page 24

REGINA

½" PITCH BELTS & CHAINS (CONT.)

600 SERIES ½" PITCH SOLID TOP BELTS - PART NUMBERS

WIDTH W		MATERIALS – MODULE						
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR® – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	600AUP0085	600AGUP0085	600AD2K0085	600AGD2K0085	600APP0085	600AGPP0085	PBT
170	6.69	600BUP0170	600BG1UP0170	600BD2K0170	600BG1D2K0170	600BPP0170	600BG1PP0170	POLYPROPYLENE (PBT on request)
255	10.04	600BUP0255	600BG1UP0255	600BD2K0255	600BG1D2K0255	600BPP0255	600BG1PP0255	POLYPROPYLENE (PBT on request)
340	13.39	600BUP0340	600BG1UP0340	600BD2K0340	600BG1D2K0340	600BPP0340	600BG1PP0340	POLYPROPYLENE (PBT on request)
425	16.73	600BUP0425	600BG1UP0425	600BD2K0425	600BG1D2K0425	600BPP0425	600BG1PP0425	POLYPROPYLENE (PBT on request)
510	20.08	600BUP0510	600BG1UP0510	600BD2K0510	600BG1D2K0510	600BPP0510	600BG1PP0510	POLYPROPYLENE (PBT on request)
595	23.43	600BUP0595	600BG1UP0595	600BD2K0595	600BG1D2K0595	600BPP0595	600BG1PP0595	POLYPROPYLENE (PBT on request)
680	26.77	600BUP0680	600BG1UP0680	600BD2K0680	600BG1D2K0680	600BPP0680	600BG1PP0680	POLYPROPYLENE (PBT on request)
765	30.12	600BUP0765	600BG1UP0765	600BD2K0765	600BG1D2K0765	600BPP0765	600BG1PP0765	POLYPROPYLENE (PBT on request)
850	33.46	600BUP0850	600BG1UP0850	600BD2K0850	600BG1D2K0850	600BPP0850	600BG1PP0850	POLYPROPYLENE (PBT on request)
935	36.81	600BUP0935	600BG1UP0935	600BD2K0935	600BG1D2K0935	600BPP0935	600BG1PP0935	POLYPROPYLENE (PBT on request)
1020	40.16	600BUP1020	600BG1UP1020	600BD2K1020	600BG1D2K1020	600BPP1020	600BG1PP1020	POLYPROPYLENE (PBT on request)

(1) Actual width can be up to 1% greater than nominal width.
Belts wider than 1020 mm (40.16") are available in 85 mm (3.35") increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for UP material is "600BUP1105".
Standard packaging: Belt widths ≤ 1020 mm (40.16") are supplied in rolls of 3,048 m (10 ft) each. Belt widths ≥ 1105 mm (43.50") are supplied at the length requested by the customer.

REGINA

½" PITCH BELTS & CHAINS

600 SERIES – 8,7 MM SOLID TOP IN E-F.A.S.T. MATERIAL (METRIC STANDARD)

8,7 MM (0.343") THICKNESS - SOLID TOP

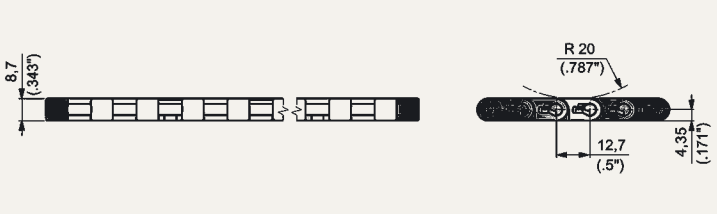
This belt offers a smooth and completely closed surface to provide excellent support and minimize product tipping.

Particularly suitable for conveyors where head transfer of products is required.

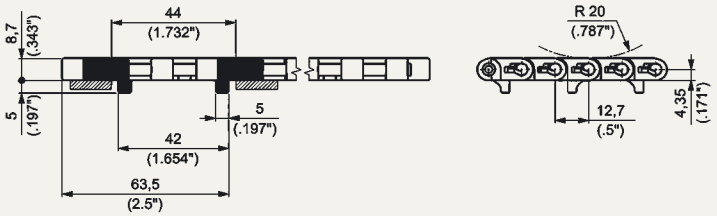
- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for e-F.A.S.T. material
- **Belt weight:** 9,55 kg/m² (1.95 lbs/ft²) for e-F.A.S.T. material

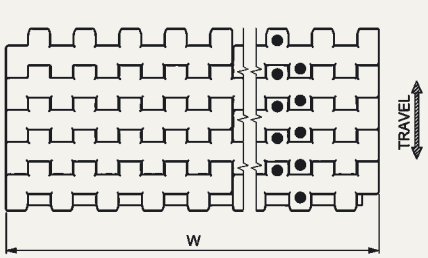


8,7 MM SOLID TOP BELT SURFACE



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343") THICKNESS, 12,7 (.5") PITCH, 4,35 (.171"), R 20 (.787"), BELT WIDTH W, DIRECTION OF TRAVEL





VERSION WITH TRACKING GUIDE – 8,7 (.343") THICKNESS, 5 (.197") GUIDE HEIGHT, 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 12,7 (.5") PITCH, 4,35 (.171"), R 20 (.787"), BELT WIDTH W, DIRECTION OF TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

600 SERIES ½" PITCH SOLID TOP BELTS - PART NUMBERS

WIDTH W		MATERIALS		
		NEW – E-F.A.S.T. ECOLOGICAL FRICTION ABATING THERMOPLASTIC – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	600AEF0085	600AGEF0085	PBT
170	6.69	600AEF0170	600AG1EF0170	PBT
255	10.04	600AEF0255	600AG1EF0255	PBT
340	13.39	600AEF0340	600AG1EF0340	PBT
425	16.73	600AEF0425	600AG1EF0425	PBT
510	20.08	600AEF0510	600AG1EF0510	PBT
595	23.43	600AEF0595	600AG1EF0595	PBT

REGINA

½" PITCH BELTS & CHAINS

600G ATM SERIES ACTIVE TRANSFER MODULES – 8,7 MM (0.343") THICKNESS, SOLID TOP

ACTIVE TRANSFER MODULES - 8,7 MM (0.343") THICKNESS - SOLID TOP

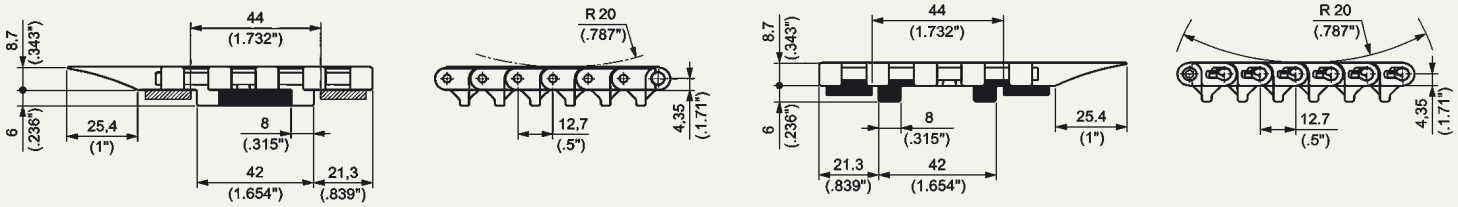
Active transfer modules 600G ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates.

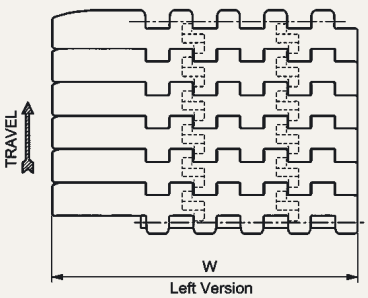
Left and right version available.

DuPont® Kevlar® inside. Delrin® renewable attributed acetal resins.

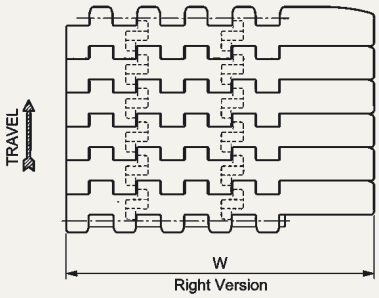


600G ATM ACTIVE TRANSFER MODULE





LEFT VERSION – SIDE AND END VIEWS: 8,7 (.343"), 6 (.236"), 25,4 (1"), 44 (1.732"), 8 (.315"), 42 (1.654"), 21,3 (.839"), R 20 (.787"), 12,7 (.5"), 4,35 (.171"), W, TRAVEL



RIGHT VERSION – SIDE AND END VIEWS: 8,7 (.343"), 6 (.236"), 21,3 (.839"), 42 (1.654"), 8 (.315"), 44 (1.732"), 25,4 (1"), R 20 (.787"), 12,7 (.5"), 4,35 (.171"), W, TRAVEL

600G ATM - LEFT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	POLYPROPYLENE	600BGATM UP 0085 SX	600BGATMUP085S	110	4.33	8,7	0.343	1190	268	0,96	0.64
SPECIAL DELRIN® REINFORCED WITH KEVLAR®	POLYPROPYLENE	600BGATM D2K 0085 SX	600BGATMD2K085S	110	4.33	8,7	0.343	1190	268	0,96	0.64

600G ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	POLYPROPYLENE	600BGATM UP 0085 DX	600BGATMUP085D	110	4.33	8,7	0.343	1190	268	0,96	0.64
SPECIAL DELRIN® REINFORCED WITH KEVLAR®	POLYPROPYLENE	600BGATM D2K 0085 DX	600BGATMD2K085D	110	4.33	8,7	0.343	1190	268	0,96	0.64

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

½" PITCH BELTS & CHAINS

610 SERIES – 8,7 MM (0.343") THICKNESS, SOLID TOP

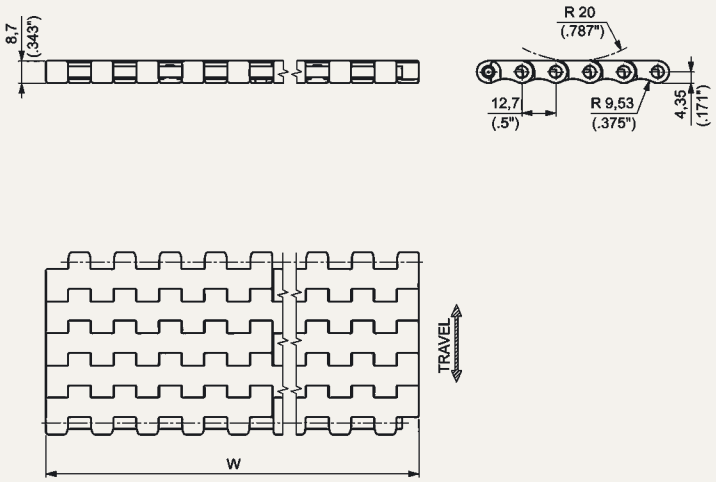
8,7 MM (0.343") THICKNESS - SOLID TOP

The belt offers a completely closed top surface design for an excellent product support without tipping. The round bottom surface combined to the reduced pitch (1/2") provides the minimum chordal effect for an optimum head transfer of products. Particularly suitable for conveyors where a head transfer of products is required.

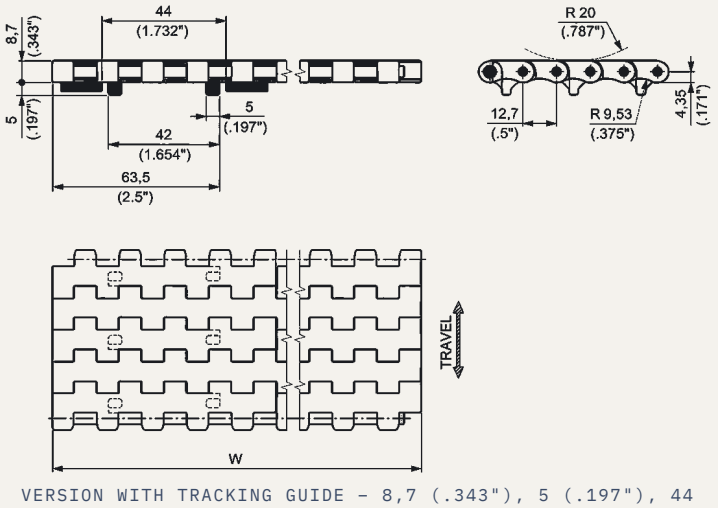


610 SERIES SOLID TOP BELT

- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for UP and D2K materials; 10000 N/m (685 lbs/ft) for PP material
- **Belt weight:** 9,55 kg/m² (1.96 lbs/ft²) for UP and D2K materials; 6,46 kg/m² (1.32 lbs/ft²) for PP material
- DuPont® Kevlar® inside. Delrin® renewable attributed acetal resins.



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343"), R 20 (.787"), 12,7 (.5"), R 9,53 (.375"), 4,35 (.171"), W, TRAVEL



VERSION WITH TRACKING GUIDE – 8,7 (.343"), 5 (.197"), 44 (1.732"), 42 (1.654"), 63,5 (2.5"), R 20 (.787"), 12,7 (.5"), R 9,53 (.375"), 4,35 (.171"), W, TRAVEL

REGINA

½" PITCH BELTS & CHAINS (CONT.)

610 SERIES - PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS – MODULE						
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		SPECIAL DELRIN® REINFORCED WITH KEVLAR® – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	610AUP0085	610AGUP0085	610AD2K0085	610AGD2K0085	610APP0085	610AGPP0085	PBT
170	6.69	610BUP0170	610BG1UP0170	610BD2K0170	610BG1D2K0170	610BPP0170	610BG1PP0170	POLYPROPYLENE (PBT on request)
255	10.04	610BUP0255	610BG1UP0255	610BD2K0255	610BG1D2K0255	610BPP0255	610BG1PP0255	POLYPROPYLENE (PBT on request)
340	13.39	610BUP0340	610BG1UP0340	610BD2K0340	610BG1D2K0340	610BPP0340	610BG1PP0340	POLYPROPYLENE (PBT on request)
425	16.73	610BUP0425	610BG1UP0425	610BD2K0425	610BG1D2K0425	610BPP0425	610BG1PP0425	POLYPROPYLENE (PBT on request)

(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH
Belts wider than 1020 mm (40.16") are available in 85 mm (3.35") increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for UP material is "600BUP1105".
Standard packaging: Belt widths ≤ 1020 mm (40.16") are supplied in rolls of 3,048 m (10 ft) each. Belt widths ≥ 1105 mm (43.50") are supplied at the length requested by the customer.

610 SERIES - PART NUMBERS BY BELT WIDTH (CONT.)

WIDTH W		MATERIALS – MODULE						
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		SPECIAL DELRIN® REINFORCED WITH KEVLAR® – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
510	20.08	610BUP0510	610BG1UP0510	610BD2K0510	610BG1D2K0510	610BPP0510	610BG1PP0510	POLYPROPYLENE (PBT on request)
595	23.43	610BUP0595	610BG1UP0595	610BD2K0595	610BG1D2K0595	610BPP0595	610BG1PP0595	POLYPROPYLENE (PBT on request)
680	26.77	610BUP0680	610BG1UP0680	610BD2K0680	610BG1D2K0680	610BPP0680	610BG1PP0680	POLYPROPYLENE (PBT on request)
765	30.12	610BUP0765	610BG1UP0765	610BD2K0765	610BG1D2K0765	610BPP0765	610BG1PP0765	POLYPROPYLENE (PBT on request)
850	33.46	610BUP0850	610BG1UP0850	610BD2K0850	610BG1D2K0850	610BPP0850	610BG1PP0850	POLYPROPYLENE (PBT on request)
935	36.81	610BUP0935	610BG1UP0935	610BD2K0935	610BG1D2K0935	610BPP0935	610BG1PP0935	POLYPROPYLENE (PBT on request)
1020	40.16	610BUP1020	610BG1UP1020	610BD2K1020	610BG1D2K1020	610BPP1020	610BG1PP1020	POLYPROPYLENE (PBT on request)

REGINA

½" PITCH BELTS & CHAINS

610 SERIES IN E-F.A.S.T. MATERIAL – 8,7 MM (0.343") THICKNESS, SOLID TOP

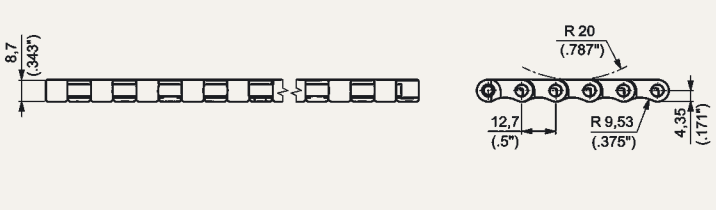
8,7 MM (0.343") THICKNESS - SOLID TOP

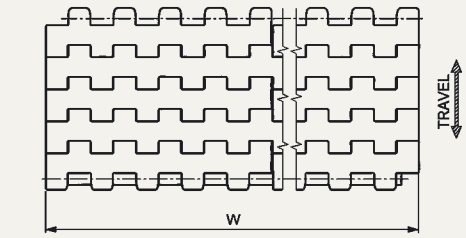
The belt offers a completely closed top surface design for an excellent product support without tipping. The round bottom surface combined to the reduced pitch (1/2") provides the minimum chordal effect for an optimum head transfer of products. Particularly suitable for conveyors where a head transfer of products is required.



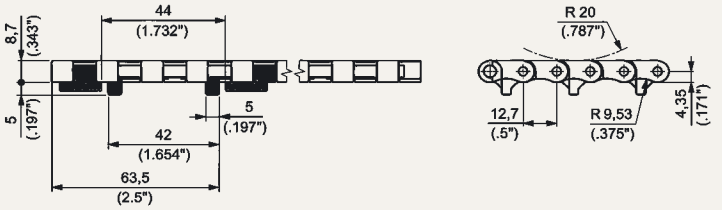
610 SERIES SOLID TOP BELT

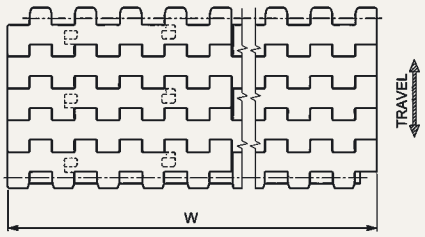
- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for e-F.A.S.T. material
- **Belt weight:** 9,55 kg/m² (1.95 lbs/ft²) for e-F.A.S.T. material
- e-F.A.S.T. ecological friction abating thermoplastic. Delrin® renewable attributed acetal resins.





VERSION WITHOUT TRACKING GUIDE – 8,7 (.343"), R 20 (.787"), 12,7 (.5"), R 9,53 (.375"), 4,35 (.171"), W, TRAVEL





VERSION WITH TRACKING GUIDE – 8,7 (.343"), 5 (.197"), 44 (1.732"), 42 (1.654"), 63,5 (2.5"), R 20 (.787"), 12,7 (.5"), R 9,53 (.375"), 4,35 (.171"), W, TRAVEL

610 SERIES E-F.A.S.T. - PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS		
MM	INCH	NEW – E-F.A.S.T. ECOLOGICAL FRICTION ABATING THERMOPLASTIC – PART NUMBER		PIN
		WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	610AEF0085	610AGEF0085	PBT
170	6.69	610AEF0170	610AG1EF0170	PBT
255	10.04	610AEF0255	610AG1EF0255	PBT
340	13.39	610AEF0340	610AG1EF0340	PBT
425	16.73	610AEF0425	610AG1EF0425	PBT
510	20.08	610AEF0510	610AG1EF0510	PBT
595	23.43	610AEF0595	610AG1EF0595	PBT
680	26.77	610AEF0680	610AG1EF0680	PBT
765	30.12	610AEF0765	610AG1EF0765	PBT
850	33.46	610AEF0850	610AG1EF0850	PBT
935	36.81	610AEF0935	610AG1EF0935	PBT

REGINA

½" PITCH BELTS & CHAINS

500 SERIES – 8,7 MM (0.343") THICKNESS, FLUSH GRID

8,7 MM (0.343") THICKNESS - FLUSH GRID

Excellent combination of support and open area (21%).

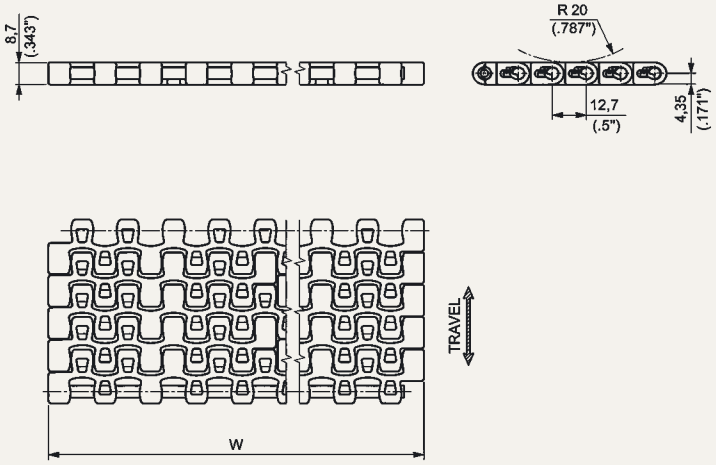
Optimum drainage of liquids and good support of the conveyed products.

Particularly suitable for conveyors where the head transfer of products is required.

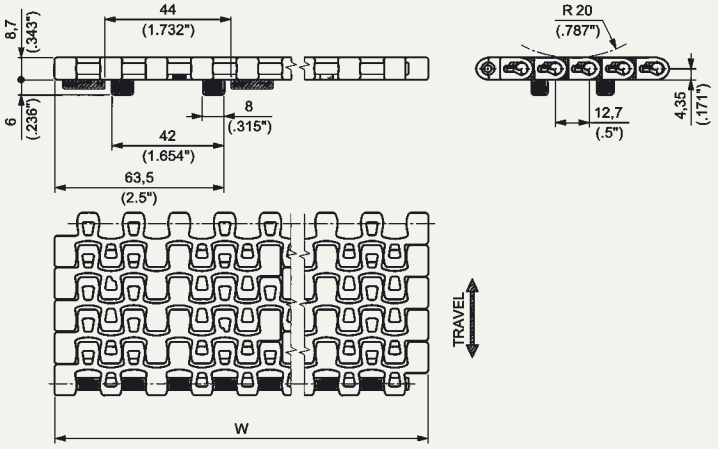


500 SERIES FLUSH GRID BELT

- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for UP material; 10000 N/m (685 lbs/ft) for PP material
- **Belt weight:** 7,06 kg/m² (1.45 lbs/ft²) for UP material; 4,76 kg/m² (0.97 lbs/ft²) for PP material
- Delrin® renewable attributed acetal resins.



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343"), R 20 (.787"), 12,7 (.5"), 4,35 (.171"), W, TRAVEL



VERSION WITH TRACKING GUIDE – 8,7 (.343"), 6 (.236"), 44 (1.732"), 42 (1.654"), 8 (.315"), 63,5 (2.5"), R 20 (.787"), 12,7 (.5"), 4,35 (.171"), W, TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

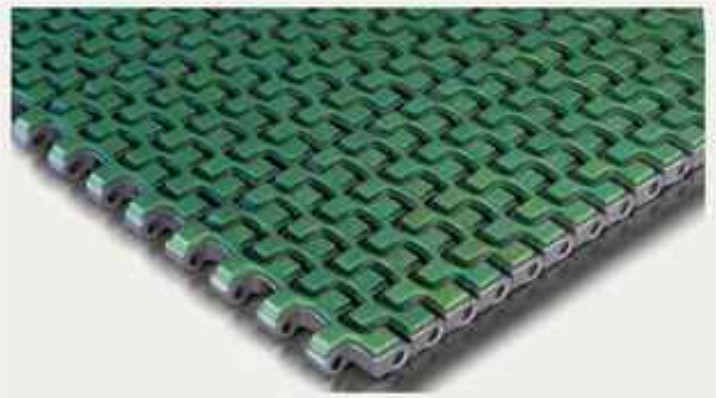
500 SERIES - PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS – MODULE				
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	500AUP0085	500AGUP0085	500APP0085	500AGPP0085	PBT
170	6.69	500BUP0170	500BG1UP0170	500BPP0170	500BG1PP0170	POLYPROPYLENE (PBT on request)
255	10.04	500BUP0255	500BG1UP0255	500BPP0255	500BG1PP0255	POLYPROPYLENE (PBT on request)
340	13.39	500BUP0340	500BG1UP0340	500BPP0340	500BG1PP0340	POLYPROPYLENE (PBT on request)
425	16.73	500BUP0425	500BG1UP0425	500BPP0425	500BG1PP0425	POLYPROPYLENE (PBT on request)
510	20.08	500BUP0510	500BG1UP0510	500BPP0510	500BG1PP0510	POLYPROPYLENE (PBT on request)
595	23.43	500BUP0595	500BG1UP0595	500BPP0595	500BG1PP0595	POLYPROPYLENE (PBT on request)
680	26.77	500BUP0680	500BG1UP0680	500BPP0680	500BG1PP0680	POLYPROPYLENE (PBT on request)

REGINA

½" PITCH BELTS & CHAINS

HF 510 SERIES – RUBBERIZED SURFACE, FULL COVER (METRIC STANDARD)

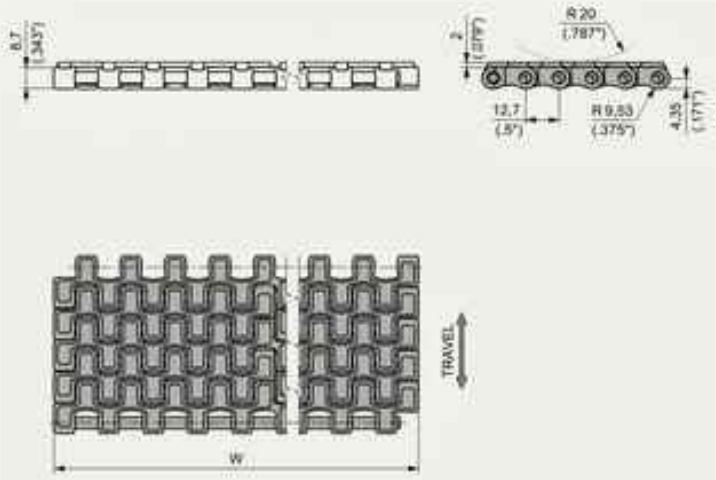


HF 510 RUBBERIZED SURFACE BELT – FULL COVER

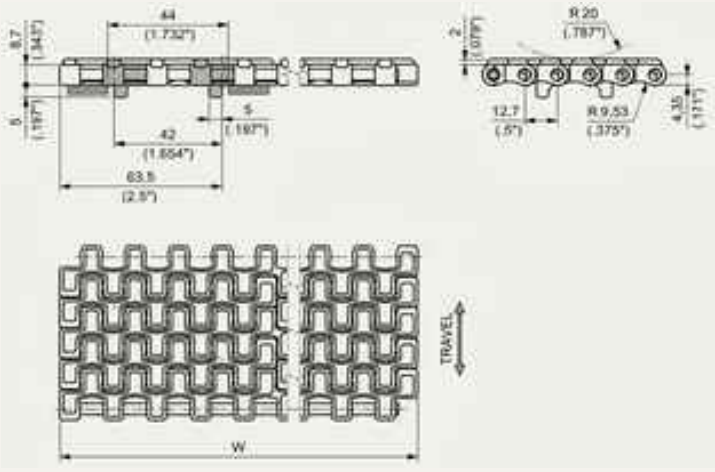
8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE, FULL COVER

Belt designed for handling packed containers like boxes, multi packs and cases in packaging lines. It is the optimal solution for high speed stop belts, metering belts, etc. The rubberized area is maximized, both in the transversal and longitudinal direction, reducing gaps between the rubber pads.

- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 10000 N/m (695 lbs/ft) for ULF and PP materials
- **Belt weight:** 9,14 kg/m² (1.87 lbs/ft²) for ULF material; 7,47 kg/m² (1.53 lbs/ft²) for PP material



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343") THICKNESS; 12,7 (.5") PITCH; R 20 (.787"); R 9,53 (.375"); 2 (.079"); 4,35 (.171"); WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – 8,7 (.343") THICKNESS; GUIDE 5 (.197") HIGH AND 5 (.197") WIDE; 44 (1.732"), 42 (1.654"), 63,5 (2.5") GUIDE SPACING; 12,7 (.5") PITCH; R 20 (.787"); R 9,53 (.375"); 2 (.079"); 4,35 (.171"); WIDTH W, DIRECTION OF TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

WIDTH & MODULE PART NUMBERS

WIDTH		ULF – ULTRA LOW FRICTION POLYESTER RESIN – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
85	3.35	HF510ULF0085	HF510GULF0085	HF510APP0085	HF510AGPP0085
170	6.69	HF510ULF0170	HF510G1ULF0170	HF510APP0170	HF510AG1PP0170
255	10.04	HF510ULF0255	HF510G1ULF0255	HF510APP0255	HF510AG1PP0255
340	13.39	HF510ULF0340	HF510G1ULF0340	HF510APP0340	HF510AG1PP0340
425	16.73	HF510ULF0425	HF510G1ULF0425	HF510APP0425	HF510AG1PP0425
510	20.08	HF510ULF0510	HF510G1ULF0510	HF510APP0510	HF510AG1PP0510
595	23.43	HF510ULF0595	HF510G1ULF0595	HF510APP0595	HF510AG1PP0595
680	26.77	HF510ULF0680	HF510G1ULF0680	HF510APP0680	HF510AG1PP0680
765	30.12	HF510ULF0765	HF510G1ULF0765	HF510APP0765	HF510AG1PP0765
850	33.46	HF510ULF0850	HF510G1ULF0850	HF510APP0850	HF510AG1PP0850

REGINA

½" PITCH BELTS & CHAINS

HFS 510 SERIES – RUBBERIZED SURFACE, SIDE INDENT (METRIC STANDARD)

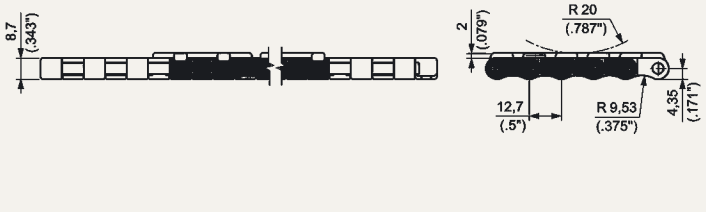


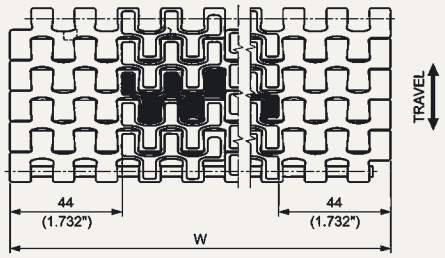
HFS 510 RUBBERIZED SURFACE BELT – SIDE INDENT

8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE, SIDE INDENT

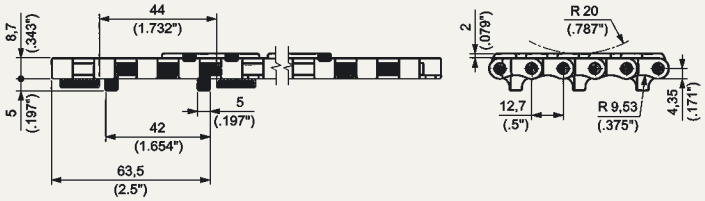
The belt is specifically designed for handling shrink wrapped packs, boxes, plastic trays and other types of containers in incline, decline or timing applications.

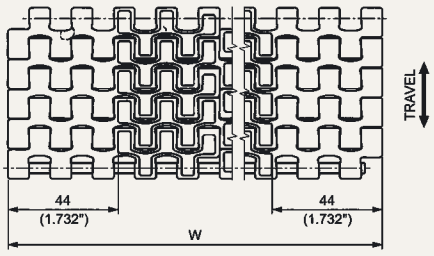
- **Belt widths:** 255 mm (10.04") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 10000 N/m (685 lbs/ft) for ULF and PP materials
- **Belt weight:** 9,14 kg/m² (1.87 lbs/ft²) for ULF material; 7,47 kg/m² (1.53 lbs/ft²) for PP material





VERSION WITHOUT TRACKING GUIDE – 8,7 (.343") THICKNESS; 12,7 (.5") PITCH; R 20 (.787"); R 9,53 (.375"); 2 (.079"); 4,35 (.171"); 44 (1.732") INDENT SPACING; WIDTH W, DIRECTION OF TRAVEL





VERSION WITH TRACKING GUIDE – 8,7 (.343") THICKNESS; GUIDE 5 (.197") HIGH AND 5 (.197") WIDE; 44 (1.732"), 42 (1.654"), 63,5 (2.5"); 12,7 (.5") PITCH; R 20 (.787"); R 9,53 (.375"); 2 (.079"); 4,35 (.171"); WIDTH W, DIRECTION OF TRAVEL

WIDTH & MODULE PART NUMBERS

WIDTH		ULF – ULTRA LOW FRICTION POLYESTER RESIN – PART NUMBER		PP – SPECIAL POLYPROPYLENE (1) – PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
255	10.04	HFS510ULF0255	HFS510G1ULF0255	HFS510APP0255	HFS510AG1PP0255
340	13.39	HFS510ULF0340	HFS510G1ULF0340	HFS510APP0340	HFS510AG1PP0340
425	16.73	HFS510ULF0425	HFS510G1ULF0425	HFS510APP0425	HFS510AG1PP0425
510	20.08	HFS510ULF0510	HFS510G1ULF0510	HFS510APP0510	HFS510AG1PP0510
595	23.43	HFS510ULF0595	HFS510G1ULF0595	HFS510APP0595	HFS510AG1PP0595
680	26.77	HFS510ULF0680	HFS510G1ULF0680	HFS510APP0680	HFS510AG1PP0680
765	30.12	HFS510ULF0765	HFS510G1ULF0765	HFS510APP0765	HFS510AG1PP0765
850	33.46	HFS510ULF0850	HFS510G1ULF0850	HFS510APP0850	HFS510AG1PP0850
935	36.81	HFS510ULF0935	HFS510G1ULF0935	HFS510APP0935	HFS510AG1PP0935
1020	40.16	HFS510ULF1020	HFS510G1ULF1020	HFS510APP1020	HFS510AG1PP1020

(1) Actual width can be up to 1% greater than nominal width

REGINA

½" PITCH BELTS & CHAINS

LBP 610 – LBP ROLLERS (METRIC STANDARD)

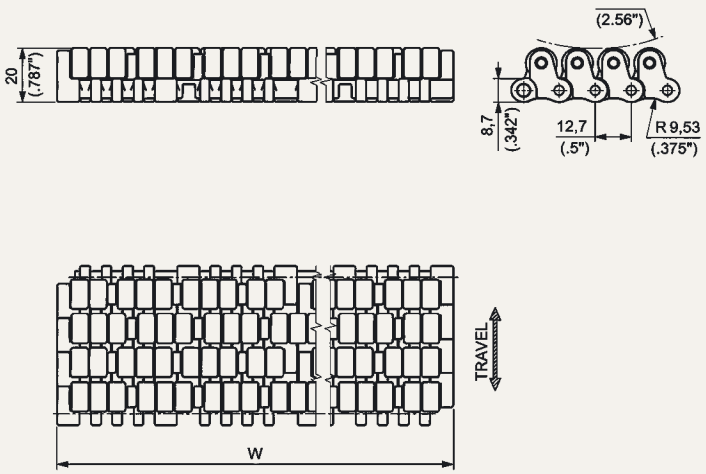


LBP 610 ROLLER BELT

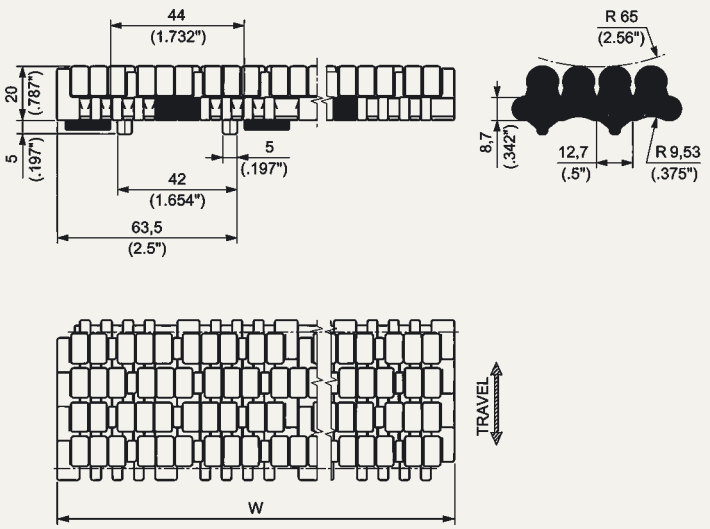
- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 27000 N/m (1,850 lbs/ft)
- **Belt weight:** 18,3 kg/m² (3.75 lbs/ft²)

8,7 MM (0.343") THICKNESS - LBP ROLLERS

Designed for accumulating applications where efficient nose-over transfer is required. The round bottom surface, combined with the ½" pitch, provides the minimum chordal effect minimizing dead plates.



VERSION WITHOUT TRACKING GUIDE – 20 (.787") OVERALL HEIGHT; 8,7 (.342"); 12,7 (.5") PITCH; R 65 (2.56"); R 9,53 (.375"); WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – 20 (.787") OVERALL HEIGHT; GUIDE 5 (.197") HIGH AND 5 (.197") WIDE; 44 (1.732"), 42 (1.654"), 63,5 (2.5"); 8,7 (.342"); 12,7 (.5") PITCH; R 65 (2.56"); R 9,53 (.375"); WIDTH W, DIRECTION OF TRAVEL

WIDTH & MODULE PART NUMBERS

WIDTH		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
85	3.35	LBP610AUP0085	LBP610AGUP0085
170	6.69	LBP610AUP0170	LBP610AG1UP0170
255	10.04	LBP610AUP0255	LBP610AG1UP0255
340	13.39	LBP610AUP0340	LBP610AG1UP0340
425	16.73	LBP610AUP0425	LBP610AG1UP0425
510	20.08	LBP610AUP0510	LBP610AG1UP0510
595	23.43	LBP610AUP0595	LBP610AG1UP0595
680	26.77	LBP610AUP0680	LBP610AG1UP0680
765	30.12	LBP610AUP0765	LBP610AG1UP0765
850	33.46	LBP610AUP0850	LBP610AG1UP0850
935	36.81	LBP610AUP0935	LBP610AG1UP0935

MATERIALS

COMPONENT	MATERIAL
Module and roller	UP – Ultra Performance Homopolymer Delrin®
Pin	PBT

REGINA

½" PITCH BELTS & CHAINS

300 SERIES – SOLID TOP (IMPERIAL STANDARD)



300 SERIES SOLID TOP BELT

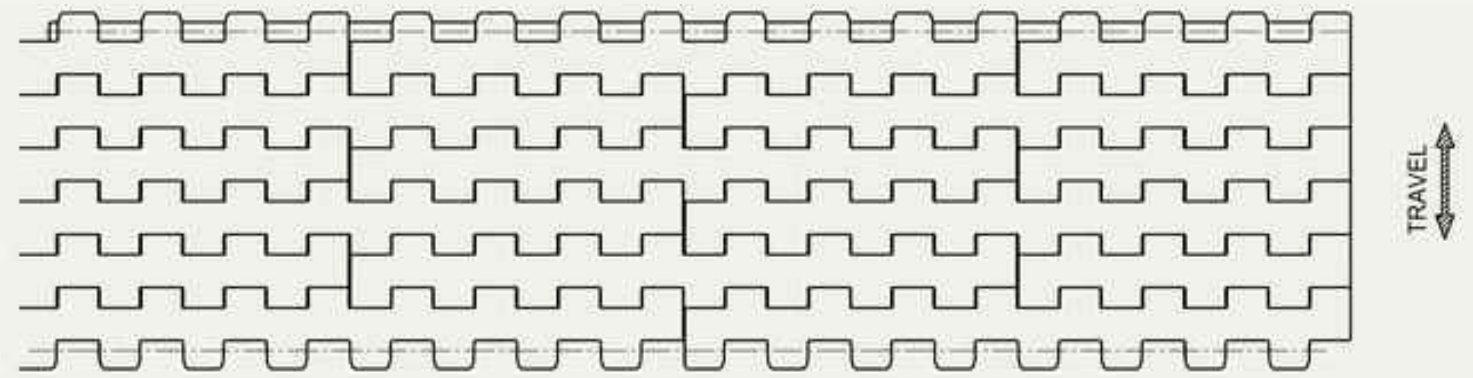
8,7 MM (0.343") THICKNESS - SOLID TOP

The belt offers a completely closed top surface design for an excellent product support without tipping. The round bottom surface combined with the reduced pitch (½") provides the minimal chordal effect for an optimum head transfer of products.

- **Belt widths:** 114,3 mm (4 ½"), 76,2 mm (3") or wider in 76,2 mm (3") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for UP, D2K and e-F.A.S.T. materials; 10000 N/m (685 lbs/ft) for PP materials
- **Belt weight:** 9,52 kg/m² (1.95 lbs/ft²) for UP, D2K and e-F.A.S.T. materials; 6,55 kg/m² (1.34 lbs/ft²) for PP material



SIDE PROFILE AND END VIEW – 8,7 (.343") THICKNESS; 12,7 (.5") PITCH; R 20 (.787"); R 9,53 (.375"); 4,35 (.171")



TOP VIEW – WIDTH W, DIRECTION OF TRAVEL

WIDTH & MODULE PART NUMBERS

WIDTH		MODULE – PART NUMBER			
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PP – SPECIAL POLYPROPYLENE (1)	E-F.A.S.T. – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)
114,3	4.5	300AUPKG/000	300AD2KKG/000	300APPKG/000	300AEFKG/000
76,2	3	300BUP003	300BD2K003	300BPP003	300AEF003
152,4	6	300BUP006	300BD2K006	300BPP006	300AEF006
228,6	9	300BUP009	300BD2K009	300BPP009	300AEF009
304,8	12	300BUP012	300BD2K012	300BPP012	300AEF012
381,0	15	300BUP015	300BD2K015	300BPP015	300AEF015
457,2	18	300BUP018	300BD2K018	300BPP018	300AEF018
533,4	21	300BUP021	300BD2K021	300BPP021	300AEF021

(1) Actual width can be up to 1% greater than nominal width.
Belts wider than 990,6 mm (39") are available in 76,2 mm (3") increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width.
Example: for a 42" wide belt (=39+3 inches), the PN for UP material is "300BUP042".

REGINA

½" PITCH BELTS & CHAINS (CONT.)

WIDTH & MODULE PART NUMBERS (CONT.)

WIDTH		MODULE – PART NUMBER			
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PP – SPECIAL POLYPROPYLENE (1)	E-F.A.S.T. – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)
609,6	24	300BUP024	300BD2K024	300BPP024	300AEF024
685,8	27	300BUP027	300BD2K027	300BPP027	300AEF027
762,0	30	300BUP030	300BD2K030	300BPP030	300AEF030
838,2	33	300BUP033	300BD2K033	300BPP033	300AEF033
914,4	36	300BUP036	300BD2K036	300BPP036	300AEF036
990,6	39	300BUP039	300BD2K039	300BPP039	300AEF039

PIN MATERIALS

BELT / MODULE MATERIAL	PIN MATERIAL
114,3 mm (4.5") width – all materials	PBT
e-F.A.S.T. material	PBT
All other materials	Polypropylene (PBT on request for all other materials)

STANDARD PACKAGING

114,3 mm (4.5") wide belt is supplied in rolls of 3,048 m (10 ft) each.

Other belt widths are supplied in the length requested by the customer.

REGINA

½" PITCH BELTS & CHAINS

½" PITCH CHAINS – 300G ATM SERIES (IMPERIAL STANDARD)

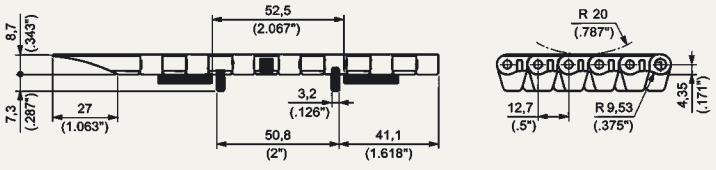
ACTIVE TRANSFER MODULES - 8,7 MM (0.343") THICKNESS, SOLID TOP

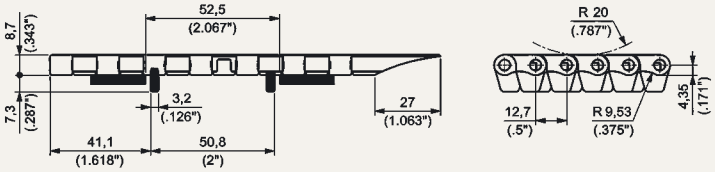
Active transfer modules 300G ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates.

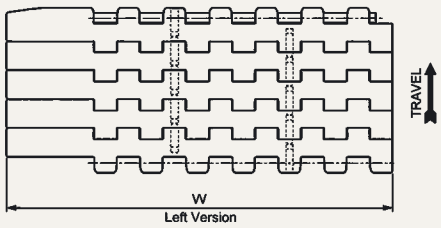
Left and right version in available.



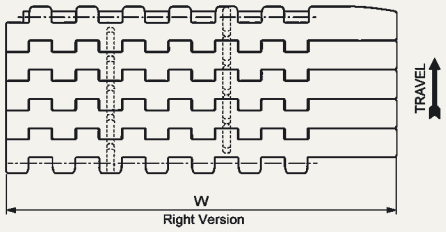
300G ATM ACTIVE TRANSFER MODULE – SOLID TOP







LEFT VERSION – SECTION AND PLAN (8,7 / .343"; 7,3 / .287"; 27 / 1.063"; 52,5 / 2.067"; 3,2 / .126"; 50,8 / 2"; 41,1 / 1.618"; R 20 / .787"; 12,7 / .5"; R 9.53 / .375"; 4,35 / .171"; W; TRAVEL)



RIGHT VERSION – SECTION AND PLAN (8,7 / .343"; 7,3 / .287"; 27 / 1.063"; 52,5 / 2.067"; 3,2 / .126"; 41,1 / 1.618"; 50,8 / 2"; R 20 / .787"; 12,7 / .5"; R 9.53 / .375"; 4,35 / .171"; W; TRAVEL)

300G ATM - LEFT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	300AGATM UP 450 LH	300AGATMUP450LH	160	6.30	8,7	0.343	1190	268	1,42	0.95
SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	300AGATM D2K 450 LH	300AGATMD2K450LH	160	6.30	8,7	0.343	1190	268	1,42	0.95

300G ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	300AGATM UP 450 RH	300AGATMUP450RH	160	6.30	8,7	0.343	1190	268	1,42	0.95
SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	300AGATM D2K 450 RH	300AGATMD2K450RH	160	6.30	8,7	0.343	1190	268	1,42	0.95

STANDARD PACKAGING

Rolls of 3,048 m (10 feet).

REGINA

½" PITCH BELTS & CHAINS

½" PITCH BELTS AND CHAINS – 200 SERIES (IMPERIAL STANDARD)

8,7 MM (0.343") THICKNESS - FLUSH GRID

The belt offers an excellent combination of support and open area for optimal liquid and air flow-through where frequent cleaning is required.

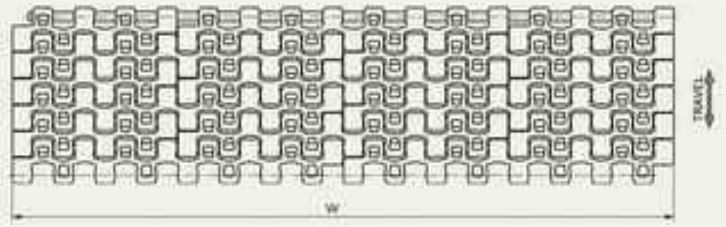


200 SERIES FLUSH GRID BELT

- **Belt widths:** 76,2 mm (3") or wider in 76,2 mm (3") increments
- **Working Load (at 25°C/77°F):** 14000 N/m (960 lbs/ft) for UP material; 10000 N/m (685 lbs/ft) for PP material
- **Belt weight:** 7,60 kg/m² (1.56 lbs/ft²) for UP material; 5,44 kg/m² (1.11 lbs/ft²) for PP material



BELT SECTION AND SPROCKET ENGAGEMENT (8,7 / .343"; R 20 / .787"; 12,7 / .5"; R 9.53 / .375"; 4,35 / .171")



FLUSH GRID BELT PLAN VIEW (W; TRAVEL)

WIDTH W (MM)	WIDTH W (INCH)	MATERIALS MODULE UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER	PP – SPECIAL POLYPROPYLENE(1) – PART NUMBER
76,2	3	200BUP003	200BPP003
152,4	6	200BUP006	200BPP006
228,6	9	200BUP009	200BPP009
304,8	12	200BUP012	200BPP012
381,0	15	200BUP015	200BPP015
457,2	18	200BUP018	200BPP018
533,4	21	200BUP021	200BPP021
609,6	24	200BUP024	200BPP024
685,8	27	200BUP027	200BPP027
762,0	30	200BUP030	200BPP030
838,2	33	200BUP033	200BPP033
914,4	36	200BUP036	200BPP036
990,6	39	200BUP039	200BPP039

Pin material (all widths): POLYPROPYLENE (PBT on request).
(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH

Belts wider than 990,6 mm (39") are available in 76,2 (3") increments.

To identify the Part Numbers, please substitute the last three digits of the PN with the desired width. Example: for a 42" wide belt (=39+3 inches), the PN for UP material is "200BUP042".

STANDARD PACKAGING

Belts are supplied in the length requested by the customer.

REGINA

½" PITCH BELTS & CHAINS

½" PITCH BELTS AND CHAINS – HF 200 SERIES (IMPERIAL STANDARD)

8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE

Belt designed for handling packed containers like boxes, multi packs and cases in packaging lines. It is the optimal solution for high speed stop belts, metering belts, etc. The rubberized area is maximized, both in transversal and longitudinal direction, reducing gaps between the rubber pads.

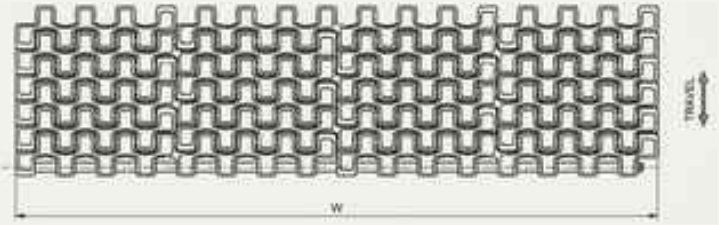


HF 200 SERIES BELT WITH RUBBERIZED SURFACE

- **Belt widths:** 76,2 mm (3") or wider in 76,2 mm (3") increments
- **Working Load (at 25°C/77°F):** 10000 N/m (685 lbs/ft) for ULF and PP material
- **Belt weight:** 8,86 kg/m² (1.81 lbs/ft²) for ULF material; 7,32 kg/m² (1.50 lbs/ft²) for PP material



BELT SECTION AND SPROCKET ENGAGEMENT (8,7 / .343"; R 20 / .787"; 12,7 / .5"; R 9.53 / .375"; 4,35 / .171")



RUBBERIZED SURFACE BELT PLAN VIEW (W; TRAVEL)

WIDTH W (MM)	WIDTH W (INCH)	MATERIALS MODULE ULF – ULTRA LOW FRICTION POLYESTER RESIN – PART NUMBER	PP – SPECIAL POLYPROPYLENE(1) – PART NUMBER
76,2	3	HF200ULF003	HF200APP003
152,4	6	HF200ULF006	HF200APP006
228,6	9	HF200ULF009	HF200APP009
304,8	12	HF200ULF012	HF200APP012
381,0	15	HF200ULF015	HF200APP015
457,2	18	HF200ULF018	HF200APP018
533,4	21	HF200ULF021	HF200APP021
609,6	24	HF200ULF024	HF200APP024
685,8	27	HF200ULF027	HF200APP027
762,0	30	HF200ULF030	HF200APP030
838,2	33	HF200ULF033	HF200APP033
914,4	36	HF200ULF036	HF200APP036
990,6	39	HF200ULF039	HF200APP039

Rubber (all widths): THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material).
Pin (all widths): POM for ULF material, PBT for PP material.
(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH

Belts wider than 990,6 mm (39") are available in 76,2 (3") increments.

To identify the Part Numbers, please substitute the last three digits of the PN with the desired width. Example: for a 42" wide belt (=39+3 inches), the PN for ULF material is "HF200ULF042".

STANDARD PACKAGING

Belts are supplied in the length requested by the customer.

REGINA

½" PITCH BELTS & CHAINS

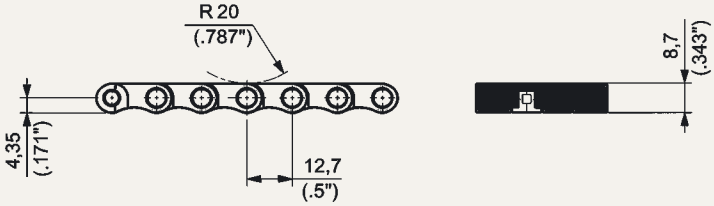
½" PITCH CHAINS - 611 SERIES

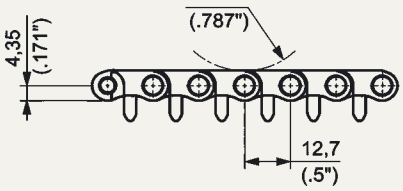
8,7 MM (0.343") THICKNESS - SOLID TOP

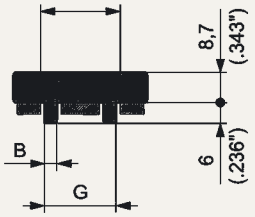
½" pitch chain, combined with curved bottom contour provides chordal effect minimization, down to 0,15 mm with a ¾" diameter nosebar, with the maximization of product stability during travel and head transfer.

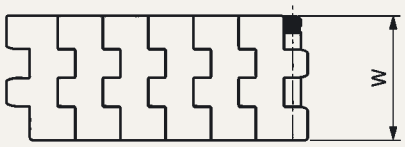


611 SERIES SOLID TOP CHAIN

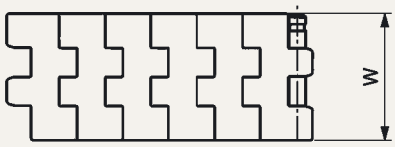








VERSION WITHOUT TRACKING GUIDE (4,35 / .171"; R 20 / .787"; 12,7 / .5"; 8,7 / .343"; W; TRAVEL)



VERSION WITH TRACKING GUIDE (4,35 / .171"; R 20 / .787"; 12,7 / .5"; GC; G; B; 8,7 / .343"; 6 / .236"; W; TRAVEL)

ITEM DESCRIPTION	PART NUMBER	WIDTH W		GUIDE TRACK GC		INTERNAL GUIDE G		TRACKING GUIDE THICKNESS B		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
WITHOUT TRACKING GUIDE													
611A UP K 34	611AUPKAA/000	34	1.34	-	-	-	-	-	-	570	128	0,32	0.22
611A UP K 37	611AUPKAD/000	37	1.46	-	-	-	-	-	-	570	128	0,35	0.24
611A UP K 51	611AUPKB/000	51	2.01	-	-	-	-	-	-	570	128	0,49	0.33
611A UP K 76	611AUPKDA/000	76	2.99	-	-	-	-	-	-	1.067	240	0,75	0.50
WITH TRACKING GUIDE													
611AG UP K 29	611AGUPKWB/000	29	1.14	21,8	0.86	19,8	0.79	3,40	0.134	570	128	0,29	0.19
611AG UP K 34	611AGUPKAA/000	34	1.34	21,8	0.86	19,8	0.79	3,40	0.630	570	128	0,34	0.23
611AG UP K 37	611AGUPKAD/000	37	1.46	21,8	0.86	19,8	0.79	3,40	0.630	570	128	0,37	0.25
611AG UP K 51	611AGUPKB/000	51	2.01	37,8	1.49	35,8	1.41	5,00	0.926	570	128	0,52	0.35
611AG UP K 76	611AGUPKDA/000	76	2.99	45,0	1.78	43,0	1.69	5,25	0.207	1.067	240	0,77	0.52

Materials (all versions): Plate – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP); Pin – PBT.

STANDARD PACKAGING

Rolls of 3,048 m (10 feet).

REGINA

½" PITCH BELTS & CHAINS

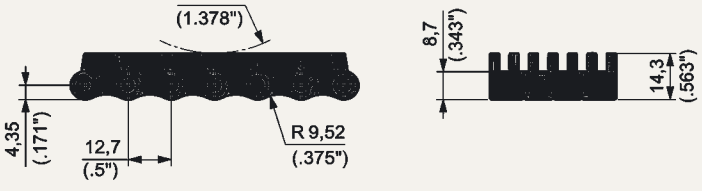
½" PITCH CHAINS - RR 611 SERIES

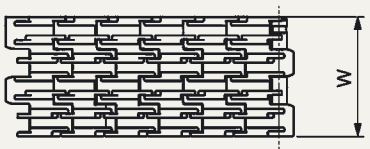
8,7 MM (0.343") THICKNESS - RAISED RIB

Raised rib surface with special "Z" design guarantees the best support for the most unstable products like PET bottles with petaloid base.

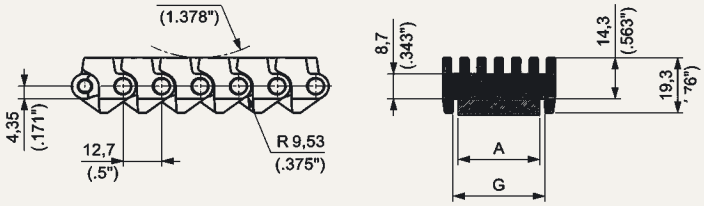


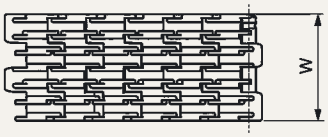
RR 611 RAISED RIB CHAIN





VERSION WITHOUT TRACKING GUIDE – PITCH 12,7 (.5"), R 35 (1.378"), R 9.52 (.375"), 4.35 (.171"), 8,7 (.343"), 14,3 (.563"), WIDTH W





VERSION WITH TRACKING GUIDE – PITCH 12,7 (.5"), R 35 (1.378"), R 9.53 (.375"), 4.35 (.171"), 8,7 (.343"), 14,3 (.563"), 19,3 (.76"), GUIDE A AND G, WIDTH W

RR 611 SERIES CHAINS

MATERIALS		VERSION	ITEM DESCRIPTION	PART NUMBER	WIDTH W		INTERNAL GUIDE G		GUIDE TRACK A		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN				MM	INCH	MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	RR611A UP K 29	RR611AUPKWB/000	29	1.14	-	-	-	-	570	128	0,37	0.25
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	RR611A UP K 37	RR611AUPKAD/000	37	1.46	-	-	-	-	570	128	0,47	0.32
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	RR611A UP K 46	RR611AUPKNA/000	46	1.81	-	-	-	-	570	128	0,57	0.38
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	RR611A UP K 55	RR611AUPKCB/000	55	2.17	-	-	-	-	570	128	0,69	0.46
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	RR611A UP K 76	RR611AUPKDA/000	76	2.99	-	-	-	-	1067	240	0,75	0.50
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITH TRACKING GUIDE	RR611AG UP K 37	RR611AGUPKAD/000	37	1.46	30,5	1.20	30	1.18	570	128	0,50	0.34

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

½" PITCH BELTS & CHAINS

½" PITCH CHAINS - RR 611 SERIES

TRANSFER COMBS

Combs are supplied complete with slot covers but without fastening screws.

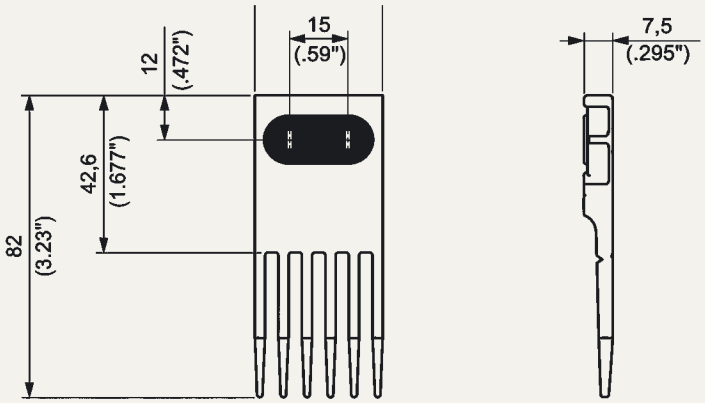
One M5 hexagon socket countersunk head screw (NOT INCLUDED) is required for each comb.



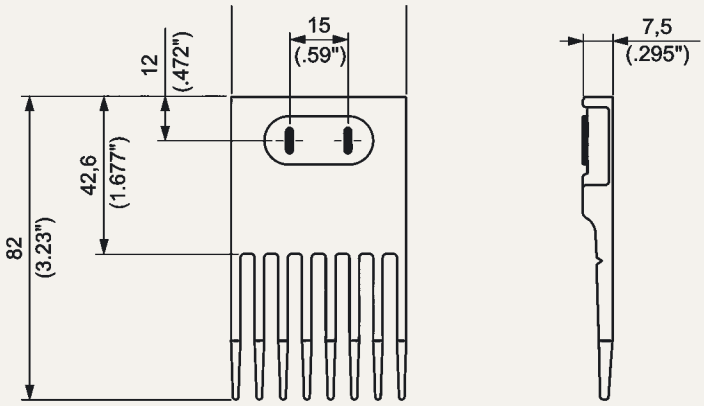
TRANSFER COMB

MATERIALS

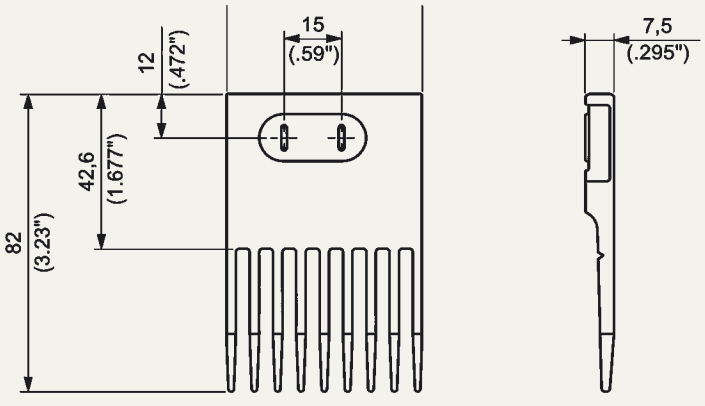
COMPONENT	CODE	MATERIAL
COMBS:	UP	ULTRA PERFORMANCE HOMOPOLYMER DELRIN®



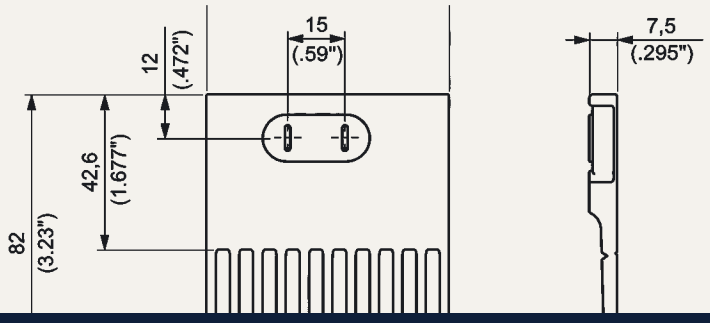
COMB FOR K 29 CHAIN – PART NUMBER TC611-01; 32,9 (1.295"), 15 (.59"), 12 (.472"), 42,6 (1.677"), 82 (3.23"), 7,5 (.295")

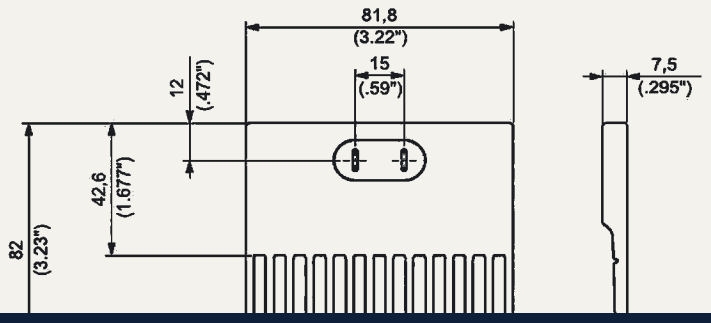


COMB FOR K 37 CHAIN – PART NUMBER TC611-03; 45,1 (1.775"), 15 (.59"), 12 (.472"), 42,6 (1.677"), 82 (3.23"), 7,5 (.295")



COMB FOR K 46 CHAIN – PART NUMBER TC611-04; 51,2 (2"), 15 (.59"), 12 (.472"), 42,6 (1.677"), 82 (3.23"), 7,5 (.295")





REGINA

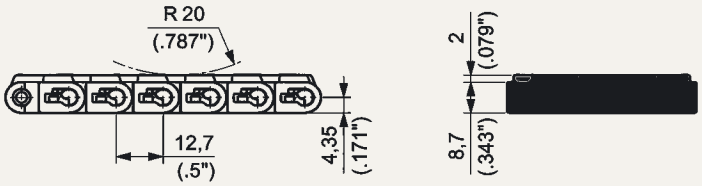
½" PITCH BELTS & CHAINS

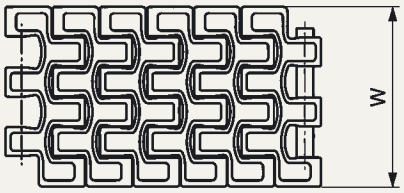
½" PITCH CHAINS - HF 500

8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE



HF 500 RUBBERIZED SURFACE CHAIN





HF 500 CHAIN DIMENSIONS – PITCH 12,7 (.5"), R 20 (.787"), 4.35 (.171"), 8,7 (.343"), 2 (.079"), WIDTH W, DIRECTION OF TRAVEL

SEE ALSO

- Materials – see page 12
- Sprockets – see pages 190÷193
- Applications – see page 24

HF 500 CHAINS

MATERIALS			ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN	RUBBER			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
SPECIAL POLYPROPYLENE PP	PBT	THERMOPLASTIC TPE – Hardness: 50 ShA	HF 500 PP 0051	HF500APP0051	51	2	8,7	0.343	450	101	0,35	0.24

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

½" PITCH BELTS & CHAINS

SPROCKETS - 611 SERIES

SUITABLE FOR CHAINS

› **611** WITH TRACKING GUIDE (29 mm, 34 mm, 37 mm WIDTHS ONLY)

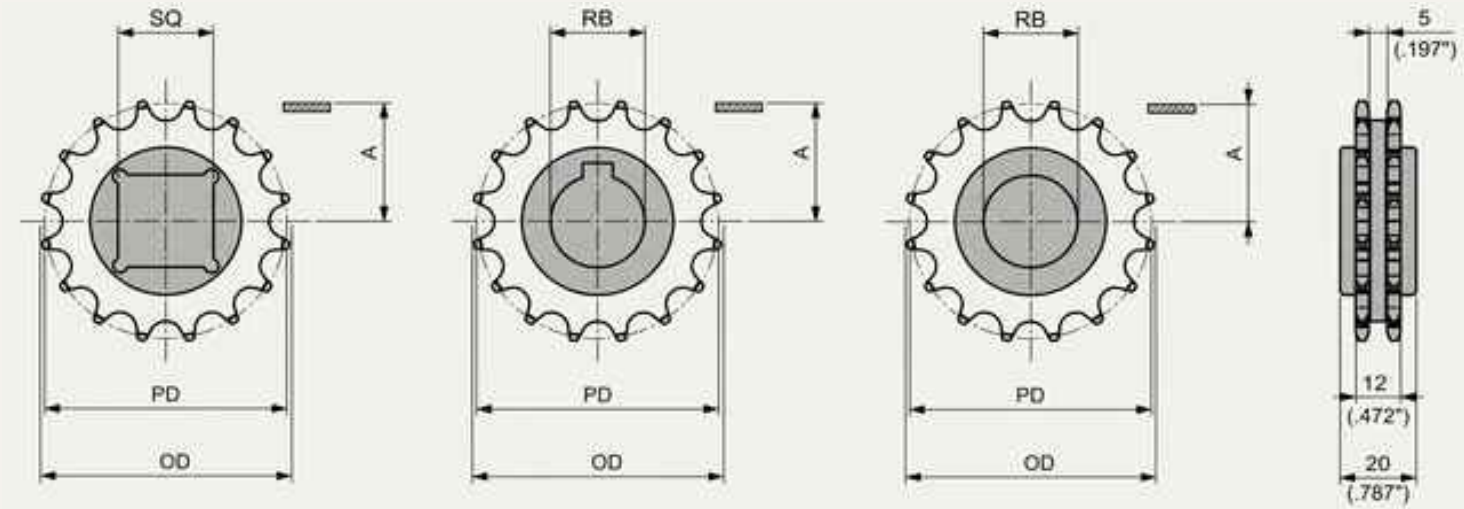
MATERIALS

COMPONENT	CODE	MATERIAL
SPROCKETS:	PGF	REINFORCED POLYAMIDE
SCREWS*:	SS	STAINLESS STEEL
NUTS*:	ZN	ZINC PLATED STEEL

** For split sprockets only.*



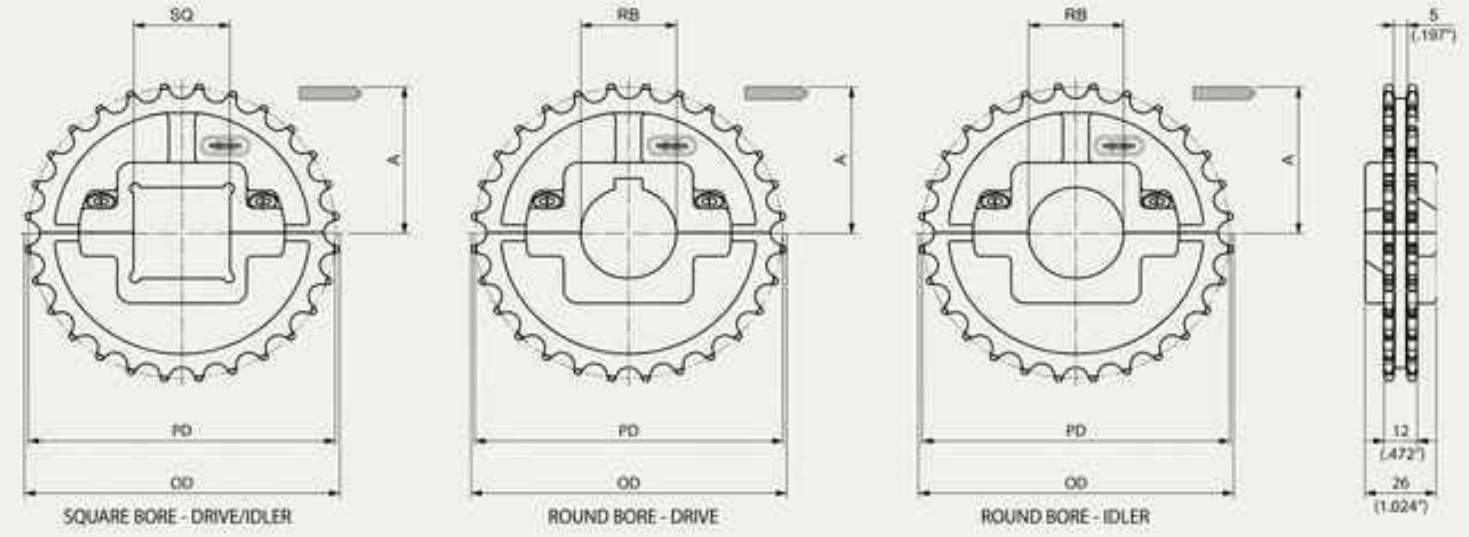
611 SERIES SPROCKETS



16T SPROCKET – SQUARE BORE DRIVE/IDLER (SQ), ROUND BORE DRIVE (RB), ROUND BORE IDLER (RB); PD, OD, A, 5 (.197"), 12 (.472"), 20 (.787")

REGINA

½" PITCH BELTS & CHAINS (CONT.)



28T SPROCKET – SQUARE BORE DRIVE/IDLER (SQ), ROUND BORE DRIVE (RB), ROUND BORE IDLER (RB); PD, OD, A, 5 (.197"), 12 (.472"), 26 (1.024")

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
									SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
16	65,10	2.563	66,30	2.610	28,20	1.110	20			MPBT6111620	MPBF6111620	0,05	0.11
16	65,10	2.563	66,30	2.610	28,20	1.110	25		MPBQ6111625	MPBT6111625	MPBF6111625	0,04	0.09
16	65,10	2.563	66,30	2.610	28,20	1.110	30			MPBT6111630	MPBF6111630	0,04	0.09
16	65,10	2.563	66,30	2.610	28,20	1.110		1		MPBT61116254	MPBF61116254	0,04	0.09
16	65,10	2.563	66,30	2.610	28,20	1.110		1¼		MPBT61116317	MPBF61116317	0,03	0.07

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
									SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
28	113,43	4.466	114,70	4.516	52,40	2.063	25			MPBST6112825	MPBSF6112825	0,15	0.33
28	113,43	4.466	114,70	4.516	52,40	2.063	30			MPBST6112830	MPBSF6112830	0,15	0.33
28	113,43	4.466	114,70	4.516	52,40	2.063	35			MPBST6112835	MPBSF6112835	0,14	0.31
28	113,43	4.466	114,70	4.516	52,40	2.063	40		MPBSQ6112840	MPBST6112840	MPBSF6112840	0,13	0.29
28	113,43	4.466	114,70	4.516	52,40	2.063		1		MPBST61128254	MPBSF61128254	0,15	0.33
28	113,43	4.466	114,70	4.516	52,40	2.063		1¼		MPBST61128317	MPBSF61128317	0,14	0.31
28	113,43	4.466	114,70	4.516	52,40	2.063		1½	MPBSQ61128381	MPBST61128381	MPBSF61128381	0,14	0.31

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

½" PITCH BELTS & CHAINS

SPROCKETS - 600 SERIES

SUITABLE FOR CHAINS

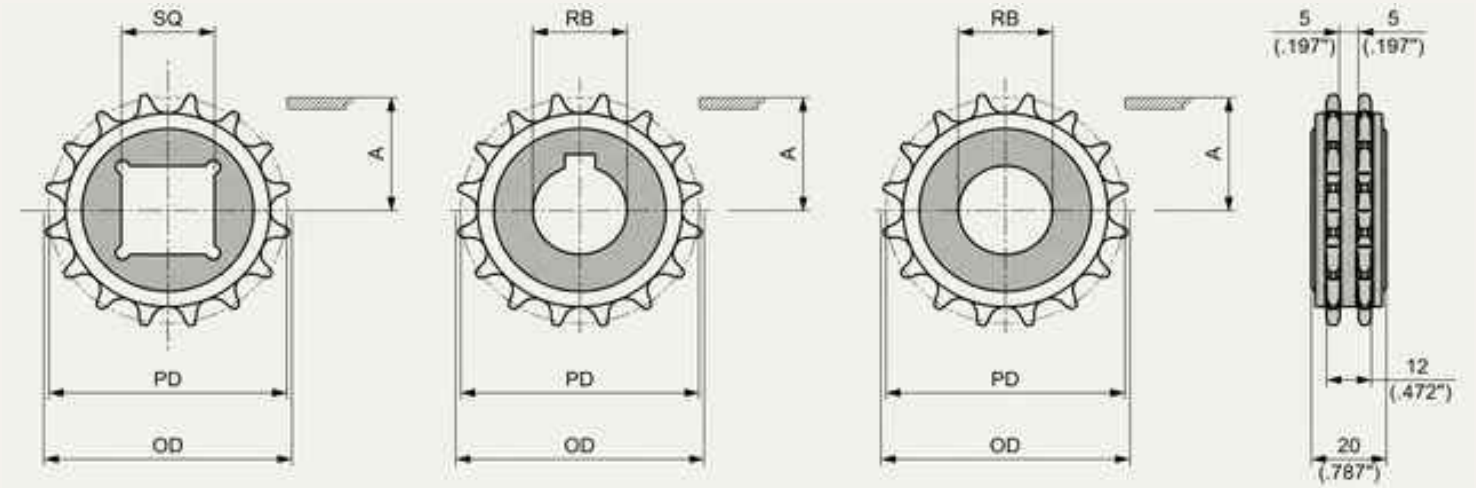
- 600 / 610 / LBP 610
- 500 / HF 500 / HF 510 / HFS 510
- 300
- 200 / HF 200
- 611 without tracking guide (all widths)
- 611 with tracking guide (51 mm, 76 mm widths only)
- RR 611 (all widths)

MATERIALS

Sprockets: **PGF** Reinforced Polyamide



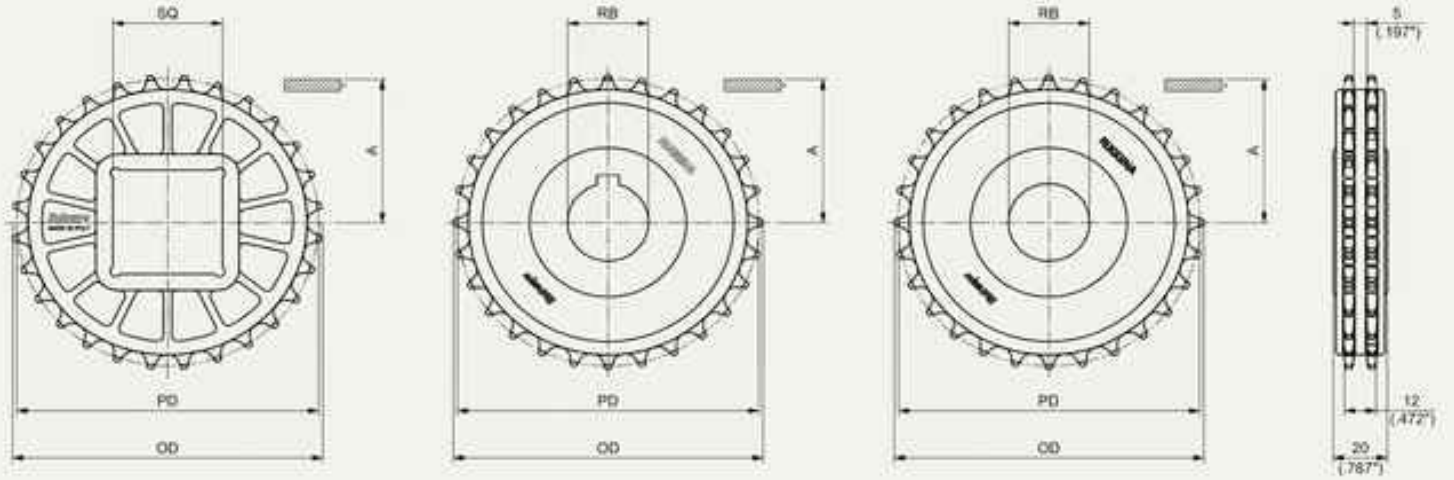
600 SERIES MOULDED SOLID SPROCKET – SQUARE BORE



16T SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 20 (.787")

REGINA

½" PITCH BELTS & CHAINS (CONT.)



28T SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 20 (.787")

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
16	65,10	2.563	66,30	2.610	28,20	1.110	20			MPBT6001620	MPBF6001620	0,06	0.13
							25		MPBQ6001625	MPBT6001625	MPBF6001625	0,05	0.12
							30			MPBT6001630	MPBF6001630	0,05	0.10
								1		MPBT60016254	MPBF60016254	0,05	0.12
								1¼		MPBT60016317	MPBF60016317	0,04	0.10
28	113,43	4.466	114,70	4.516	52,40	2.063	25			MPBT6002825	MPBF6002825	0,15	0.32
							30			MPBT6002830	MPBF6002830	0,14	0.31
							35			MPBT6002835	MPBF6002835	0,13	0.29
							40		MPBQ6002840	MPBT6002840	MPBF6002840	0,12	0.27
							60		MPBQ6002860			0,10	0.23
								1		MPBT60028254	MPBF60028254	0,15	0.32
								1¼		MPBT60028317	MPBF60028317	0,14	0.30
								1½	MPBQ60028381	MPBT60028381	MPBF60028381	0,13	0.28

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

REGINA

½" PITCH BELTS & CHAINS

SPROCKETS - 600 SERIES

SUITABLE FOR CHAINS

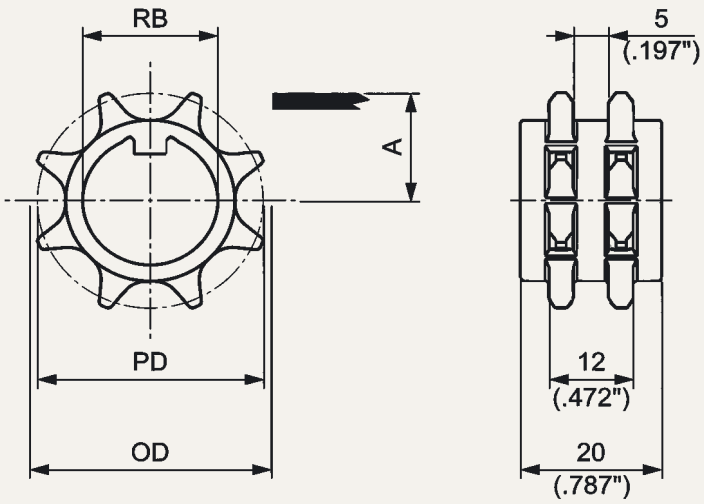
- 600 / 610 / LBP 610
- 500 / HF 500 / HF 510 / HFS 510
- 300
- 200 / HF 200
- 611 without tracking guide (all widths)
- 611 with tracking guide (51 mm, 76 mm widths only)
- RR 611 (all widths)

MATERIALS

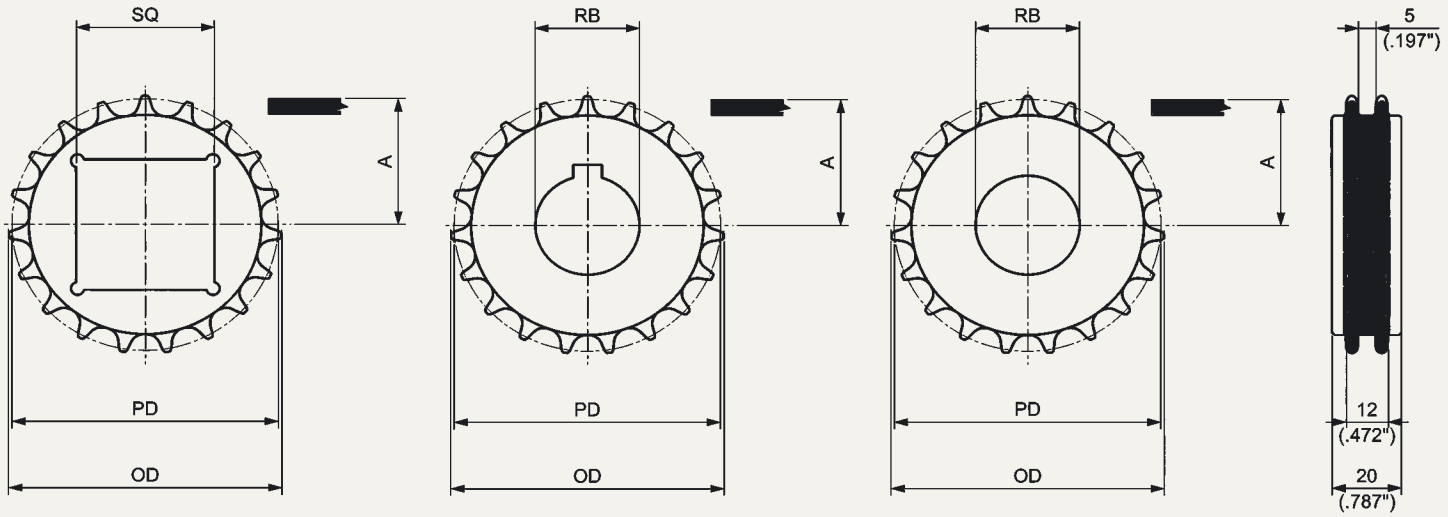
Sprockets: **PA** Polyamide



600 SERIES MACHINED SOLID SPROCKET – ROUND BORE



8T SPROCKET – FRONT AND SIDE VIEWS: RB, PD, OD, A, 5 (.197"), 12 (.472"), 20 (.787"). NOTE: CANNOT WORK WITH 600 AND 500 SERIES



14T - 19T SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 20 (.787")

MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
8(1)	33,19	1.307	34,20	1.346	12,25	0.482	20			MPBAT6000820	MPBAF6000820	0,01	0,01
								¾		MPBAT60008190	MPBAF60008190	0,01	0,01
14	57,07	2.247	59,00	2.323	24,18	0.952	25		MPBAQ6001425	MPBAT6001425	MPBAF6001425	0,03	0.06
								1		MPBAT60014254	MPBAF60014254	0,03	0.06

REGINA

½" PITCH BELTS & CHAINS

SPROCKETS - 600 SERIES

SUITABLE FOR CHAINS

- 600 / 610 / LBP 610
- 500 / HF 500 / HF 510 / HFS 510
- 300
- 200 / HF 200
- 611 without tracking guide (all widths)
- 611 with tracking guide (51 mm, 76 mm widths only)
- RR 611 (all widths)

MATERIALS

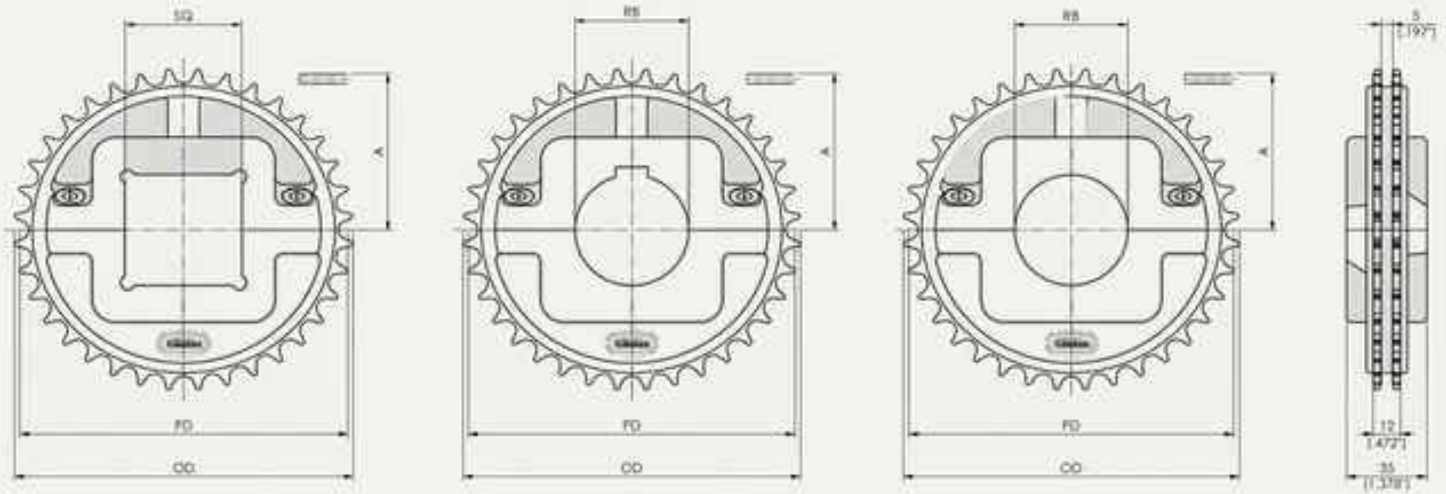
Sprockets: **PGF** Reinforced Polyamide

Screws: **SS** Stainless Steel

Nuts: **ZN** Zinc Plated Steel



600 SERIES MOULDED SPLIT SPROCKET – ROUND BORE



MOULDED SPLIT SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 35 (1.378")

NOTE: For 28T sprocket, the hub width is 26 mm (1.024").

REGINA

½" PITCH BELTS & CHAINS (CONT.)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
28	113,43	4.466	114,69	4.515	52,40	2.063	25			MPBST6002825	MPBSF6002825	0,16	0.35
							30			MPBST6002830	MPBSF6002830	0,16	0.34
							35			MPBST6002835	MPBSF6002835	0,15	0.33
							40		MPBSQ6002840	MPBST6002840	MPBSF6002840	0,14	0.32
								1		MPBST60028254	MPBSF60028254	0,16	0.35

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

MOULDED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
	1¼		MPBST60028317	MPBSF60028317	0,15	0.34							
	1½	MPBSQ60028381	MPBST60028381	MPBSF60028381	0,15	0.32							
36	145,69	5.736	148,00	5.827	68,50	2.697	30			MPBST6003630	MPBSF6003630	0,38	0.83
							35			MPBST6003635	MPBSF6003635	0,37	0.82
							40		MPBSQ6003640	MPBST6003640	MPBSF6003640	0,36	0.80
							45			MPBST6003645	MPBSF6003645	0,35	0.78
							50		MPBSQ6003650	MPBST6003650	MPBSF6003650	0,34	0.75
								1		MPBST60036254	MPBSF60036254	0,38	0.85
								1-3/16		MPBST60036301	MPBSF60036301	0,38	0.83
								1¼		MPBST60036317	MPBSF60036317	0,38	0.83
								1-7/16		MPBST60036365	MPBSF60036365	0,37	0.81
								1½	MPBSQ60036381	MPBST60036381	MPBSF60036381	0,37	0.81
38	153,8	6.055	156,00	6.142	72,55	2.856	30			MPBST6003830	MPBSF6003830	0,39	0.86
							35			MPBST6003835	MPBSF6003835	0,38	0.84
							40		MPBSQ6003840	MPBST6003840	MPBSF6003840	0,37	0.83
							45			MPBST6003845	MPBSF6003845	0,36	0.80
							50		MPBSQ6003850	MPBST6003850	MPBSF6003850	0,35	0.78
								1		MPBST60038254	MPBSF60038254	0,40	0.87
								1-3/16		MPBST60038301	MPBSF60038301	0,39	0.86
								1¼		MPBST60038317	MPBSF60038317	0,39	0.86
								1-7/16		MPBST60038365	MPBSF60038365	0,38	0.84
								1½	MPBSQ60038381	MPBST60038381	MPBSF60038381	0,38	0.84

REGINA

½" PITCH BELTS & CHAINS

SPROCKETS - 600 SERIES

SUITABLE FOR CHAINS

- 600 / 610 / LBP 610
- 500 / HF 500 / HF 510 / HFS 510
- 300
- 200 / HF 200
- 611 without tracking guide (all widths)
- 611 with tracking guide (51 mm, 76 mm widths only)
- RR 611 (all widths)

MATERIALS

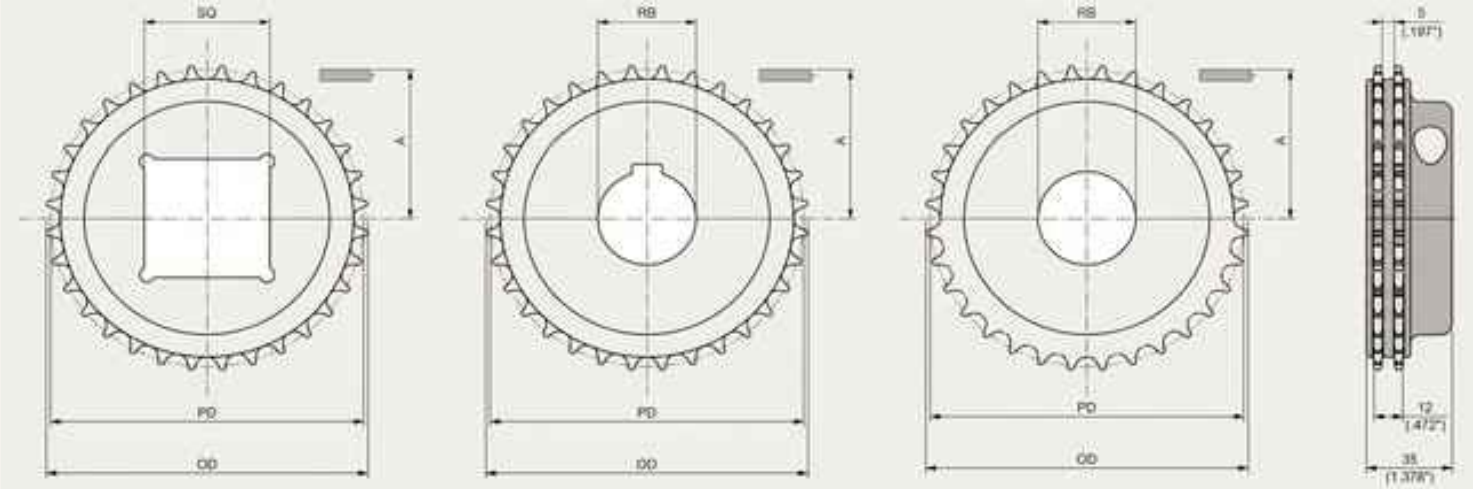
Sprockets: **PA** Polyamide

Screws: **SS** Stainless Steel

Nuts: **B** Brass



600 SERIES MACHINED SPLIT SPROCKET – ROUND BORE



MACHINED SPLIT SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 35 (1.378")

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
32	129,57	5.101	131,00	5.157	60,44	2.379	25			MPBAST6003225	MPBASF6003225	0,41	0.90
							30			MPBAST6003230	MPBASF6003230	0,40	0.88
							35			MPBAST6003235	MPBASF6003235	0,39	0.85
							40		MPBASQ6003240	MPBAST6003240	MPBASF6003240	0,38	0.83
							45			MPBAST6003245	MPBASF6003245	0,36	0.80
							50		MPBASQ6003250	MPBAST6003250	MPBASF6003250	0,35	0.77
								1		MPBAST60032254	MPBASF60032254	0,41	0.90
								1-3/16		MPBAST60032301	MPBASF60032301	0,40	0.88
								1¼		MPBAST60032317	MPBASF60032317	0,39	0.87

REGINA

½” PITCH BELTS & CHAINS

SPROCKETS – 250 SERIES

SUITABLE FOR CHAINS:

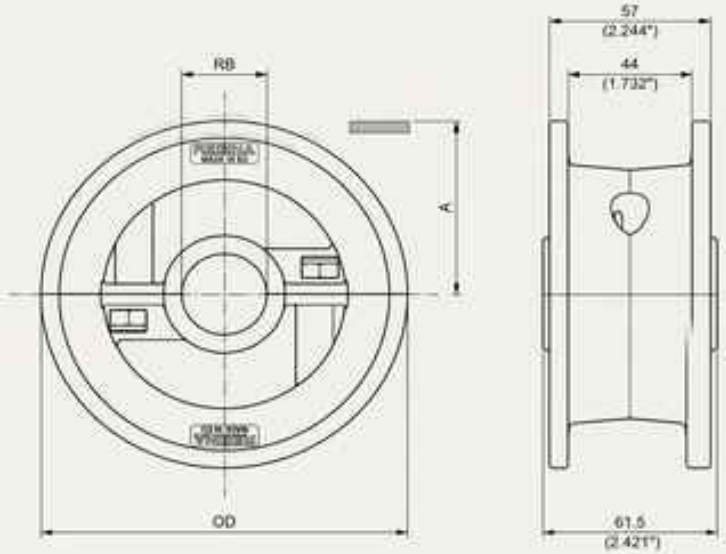
- 500 / 600 / 610 / LBP 610 / HF 510 / HFS 510 / 300 / 200 / HF 200
- 1500 / 1600 / RR 1500 / HF 1600 / HFS 1600
- 7300 / 7200
- USPM / USP / HF USPM / HFS USPM / LBP USPM / LBP XSPM
- 782M / 783M / 793M

MATERIALS

ITEM	CODE	MATERIAL
SPROCKETS:	PGF	REINFORCED POLYAMIDE
SCREWS:	SS	STAINLESS STEEL
NUTS:	ZN	ZINC PLATED STEEL



MOULDED SPLIT IDLER WHEEL



MOULDED SPLIT IDLER WHEEL – OD, RB, A; WIDTH 57 MM (2.244”), 44 MM (1.732”), Ø 61,5 MM (2.421”)

REGINA

½" PITCH BELTS & CHAINS (CONT.)



MOULDED SOLID IDLER WHEELS – SEE PAGE 124



MACHINED SPLIT IDLER WHEELS – SEE PAGE 126

MOULDED SPLIT IDLER WHEELS

N. TEETH	OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER – ROUND BORE RB IDLER	WEIGHT	
	MM	INCH	MM	INCH	MM	INCH		KG	LBS
21	129,80	5.110	64,90	2.555	25		CMTS048152125	0,33	0.72
					30		CMTS048152130	0,33	0.73
					35		CMTS048152135	0,31	0.68
					40		CMTS048152140	0,34	0.76
					45		CMTS048152145	0,31	0.69
						1	CMTS0481521254	0,33	0.72
						1¼	CMTS0481521317	0,33	0.71
23	142,30	5.602	71,15	2.801	25		CMTS048152325	0,36	0.80
					30		CMTS048152330	0,37	0.81
					35		CMTS048152335	0,35	0.76
					40		CMTS048152340	0,38	0.84
					45		CMTS048152345	0,35	0.77
						1	CMTS0481523254	0,36	0.80
						1¼	CMTS0481523317	0,36	0.79
25	154,70	6.091	77,35	3.045	25		CMTS048152525	0,40	0.89
					30		CMTS048152530	0,41	0.90
					35		CMTS048152535	0,39	0.85
					40		CMTS048152540	0,42	0.92
					45		CMTS048152545	0,39	0.86
						1	CMTS0481525254	0,40	0.89
						1¼	CMTS0481525317	0,40	0.88

**Diameter is indicated.*

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

MATVEYOR

MATVEYOR

1″ Pitch Light Duty Belts & Chains

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY CHAINS – 1600 SERIES · METRIC STANDARD

8,7 MM (0.343”) THICKNESS - SOLID TOP

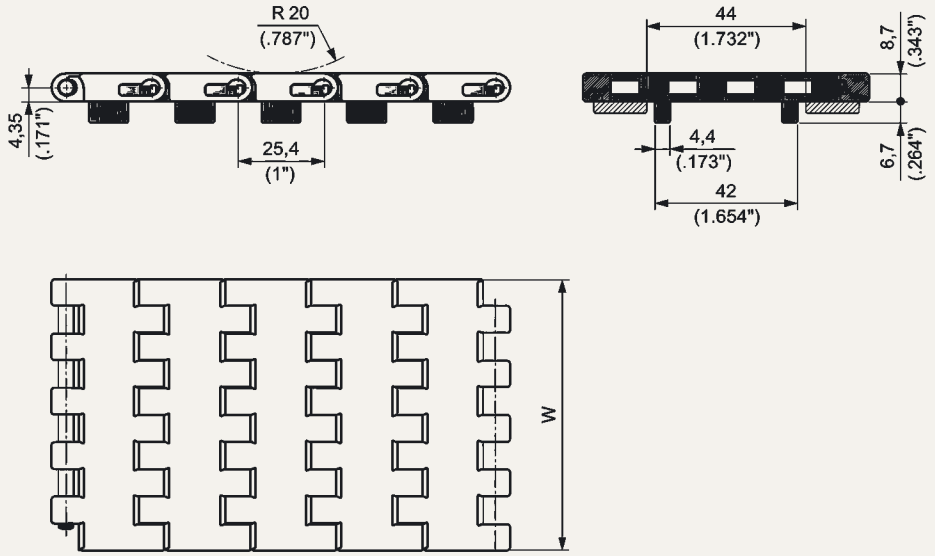
Extremely good flatness, manufacturing accuracy and low coefficient of friction make the side transfer of the product very easy.

Completely closed surface, no gap between the modules, even when engaging on the sprockets.

Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



1600 SERIES SOLID TOP CHAIN



1600 SERIES CHAIN DIMENSIONS – PITCH 25,4 MM (1”), R 20 (.787”), 4,35 (.171”), 44 (1.732”), 42 (1.654”), 4,4 (.173”), 8,7 (.343”), 6,7 (.264”); WIDTH W, DIRECTION OF TRAVEL

1” PITCH LIGHT DUTY CHAINS - 1600 SERIES

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® (UP)	PBT	1600AG UP K 83,8	1600AGUPKRA/000	83,8	3.30	8,7	0.343	1850	416	0,75	0.50
SPECIAL DELRIN ® REINFORCED WITH KEVLAR ® (DK2™)	PBT	1600AG D2K K 83,8	1600AGD2KKRA/000	83,8	3.30	8,7	0.343	1850	416	0,75	0.50
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (e-F.A.S.T.) – NEW	PBT	1600AG EF K 83,8	1600AGEFKRA/000	83,8	3.30	8,7	0.343	1850	416	0,75	0.50

Standard packaging: Rolls of 3,048 m (10 feet).

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY BELTS AND CHAINS – 1600 SERIES · METRIC STANDARD

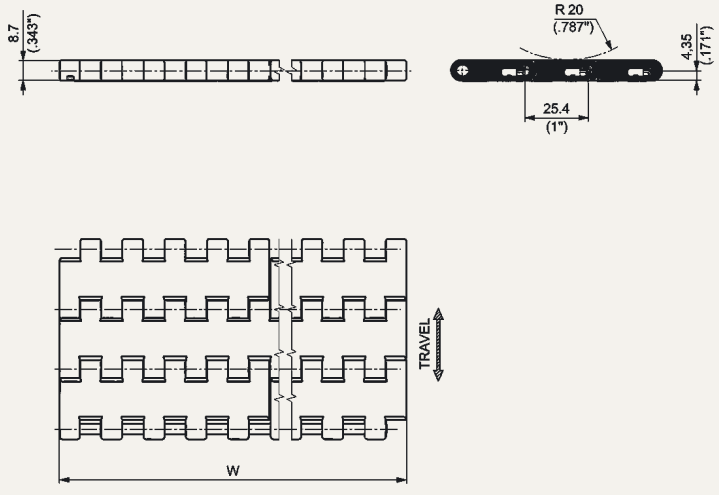
8,7 MM (0.343”) THICKNESS - SOLID TOP

This belt offers a smooth surface to provide excellent support and minimize product tippage. Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).

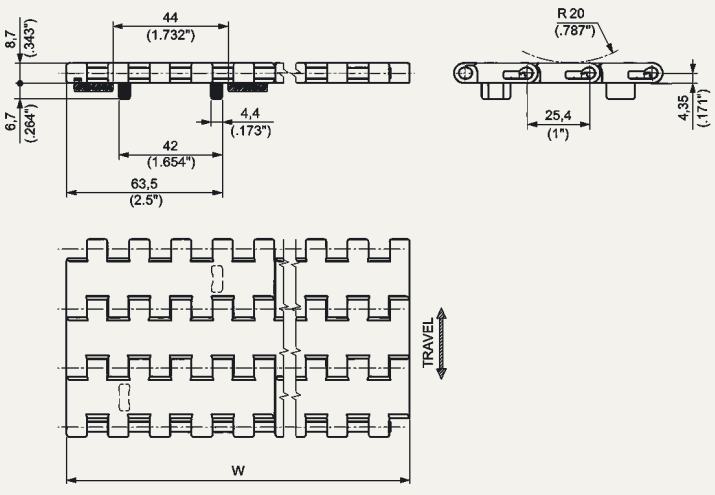


1600 SERIES SOLID TOP BELT

- **Belt widths:** 85 mm (3.346”) or wider in 85 mm (3.346”) increments
- **Working Load (at 25°C/77°F):** 21600 N/m (1,480 lbs/ft) for UP, DK2™ and e-F.A.S.T. materials
- **Belt weight:** 7,66 kg/m² (1.57 lbs/ft²) for UP, DK2™ and e-F.A.S.T. materials



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343”), 4,35 (.171”), R 20 (.787”), PITCH 25,4 MM (1”), WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – 8,7 (.343”), 6,7 (.264”), 44 (1.732”), 42 (1.654”), 63,5 (2.5”), 4,4 (.173”), R 20 (.787”), PITCH 25,4 MM (1”), WIDTH W, DIRECTION OF TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

1” PITCH LIGHT DUTY BELTS - 1600 SERIES

WIDTH W		MATERIALS – MODULE						
		ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® (UP) – PART NUMBER		SPECIAL DELRIN ® REINFORCED WITH KEVLAR ® (DK2™) – PART NUMBER		ECOLOGICAL FRICTION ABATING THERMOPLASTIC (E-F.A.S.T.) – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	1600AUP0085	1600AGUP0085	1600AD2K0085	1600AGD2K0085	1600AEF0085	1600AGEF0085	PBT
170	6.69	1600BUP0170	1600BG1UP0170	1600BD2K0170	1600BG1D2K0170	1600AEF0170	1600AG1EF0170	PBT for e-F.A.S.T. material; POLYPROPYLENE for all other materials (PBT on request for all other materials)
255	10.04	1600BUP0255	1600BG1UP0255	1600BD2K0255	1600BG1D2K0255	1600AEF0255	1600AG1EF0255	
340	13.39	1600BUP0340	1600BG1UP0340	1600BD2K0340	1600BG1D2K0340	1600AEF0340	1600AG1EF0340	
425	16.73	1600BUP0425	1600BG1UP0425	1600BD2K0425	1600BG1D2K0425	1600AEF0425	1600AG1EF0425	

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1600G ATM SERIES – 8,7 MM (0.343") THICKNESS, SOLID TOP

8,7 MM (0.343") THICKNESS - SOLID TOP

1600G ATM can be used in combination with 1600 modular belts.

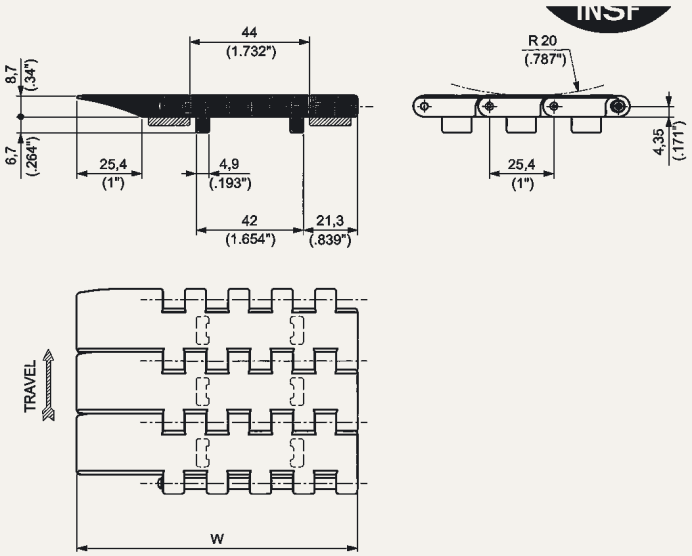
Active transfer modules 1600G ATM allow the transfer of products between two 90° conveyor tracks without using dead plates.

The special wing shaped module profile supports the products dynamically during transfer on the take-away belts.

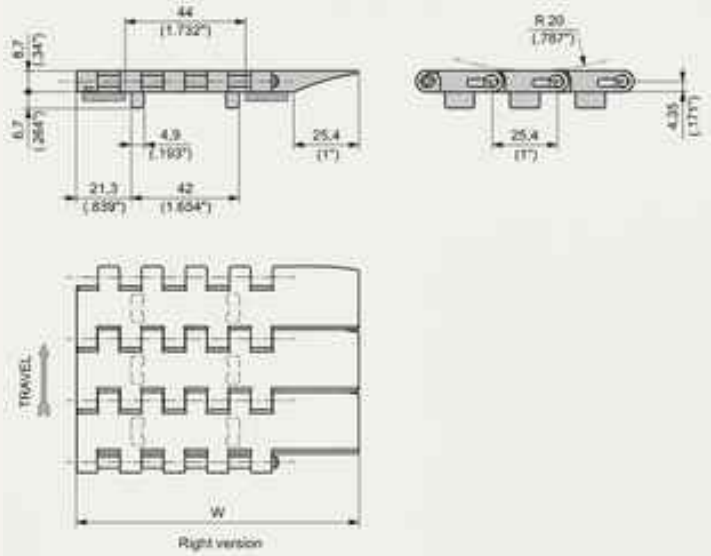
Available in left and right version.



1600G ATM SOLID TOP ACTIVE TRANSFER MODULE



LEFT VERSION – SIDE VIEW, CHAIN SECTION AND PLAN VIEW. 44 (1.732"), 42 (1.654"), 21,3 (.839"), 25,4 (1"), 4,9 (.193"), 8,7 (.343"), 6,7 (.264"), 4,35 (.171"), R 20 (.787"), W, TRAVEL



RIGHT VERSION – SIDE VIEW, CHAIN SECTION AND PLAN VIEW. 44 (1.732"), 42 (1.654"), 21,3 (.839"), 25,4 (1"), 4,9 (.193"), 8,7 (.343"), 6,7 (.264"), 4,35 (.171"), R 20 (.787"), W, TRAVEL

1600G ATM - LEFT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	POLYPROPYLENE	1600BGATM UP 0085 SX	1600BGATMUP085S	110	4.33	8,7	0.343	1840	414	0,85	0.57
SPECIAL DELRIN® REINFORCED WITH KEVLAR® (DK²™)	POLYPROPYLENE	1600BGATM D2K 0085 SX	1600BGATMD2K085S	110	4.33	8,7	0.343	1840	414	0,85	0.57
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (e-F.A.S.T.) – NEW	PBT	1600AGATM EF 0085 SX	1600AGATMEF085S	110	4.33	8,7	0.343	1840	414	0,85	0.57

1600G ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	POLYPROPYLENE	1600BGATM UP 0085 DX	1600BGATMUP085D	110	4.33	8,7	0.343	1840	414	0,85	0.57
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	POLYPROPYLENE	1600BGATM UP 0170 DX	1600BGATMUP170D	195	7.68	8,7	0.343	3670	825	1,51	1.01
SPECIAL DELRIN® REINFORCED WITH KEVLAR® (DK²™)	POLYPROPYLENE	1600BGATM D2K 0085 DX	1600BGATMD2K085D	110	4.33	8,7	0.343	1840	414	0,85	0.57
SPECIAL DELRIN® REINFORCED WITH KEVLAR® (DK²™)	POLYPROPYLENE	1600BGATM D2K 0170 DX	1600BGATMD2K170D	195	7.68	8,7	0.343	3670	825	1,51	1.01
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (e-F.A.S.T.) –	PBT	1600AGATM EF 0085 DX	1600AGATMEF085D	110	4.33	8,7	0.343	1840	414	0,85	0.57

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1501 SERIES – 8,7 MM (0.343") THICKNESS, FLUSH GRID

8,7 MM (0.343") THICKNESS - FLUSH GRID (NEW)

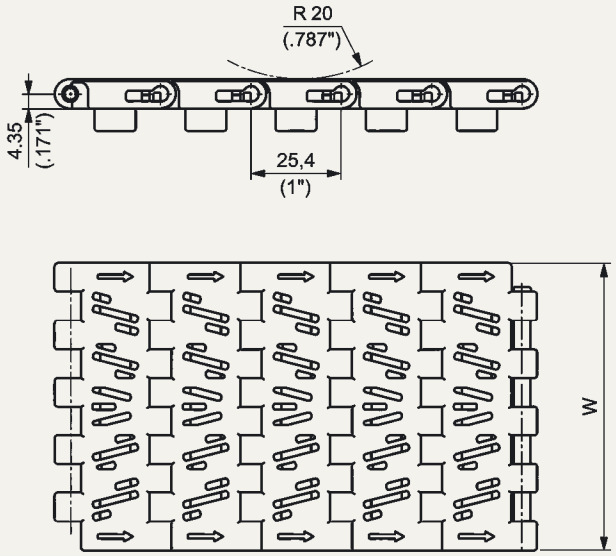
Excellent planarity for a superior stability and improved side transfer of the most critical beverage containers.

Optimized design of the open area ensuring that liquids and contamination do not remain on the chain surface.

Ideal for high speed single track conveyors and pressureless combiners and decombiners.



1501 SERIES FLUSH GRID CHAIN



1501 SERIES CHAIN – SIDE VIEW, SECTION AND PLAN VIEW. R 20 (.787"), 25,4 (1"), 4,35 (.171"), 44 (1.732"), 42 (1.654"), 8,7 (.343"), 6,7 (.264"), 4,4 (.173"), W, TRAVEL

1501 SERIES

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	1501AG UP K 83,8	1501AGUPKRA/000	83,8	3.30	8,7	0.343	1850	416	0,73	0.49
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	1501AG UP K 85	1501AGUP0085	85,0	3.35	8,7	0.343	1850	416	0,73	0.49
SPECIAL DELRIN® REINFORCED WITH KEVLAR® (DK²™)	PBT	1501AG D2K K 83,8	1501AGD2KKRA/000	83,8	3.30	8,7	0.343	1850	416	0,73	0.49
SPECIAL DELRIN® REINFORCED WITH KEVLAR® (DK²™)	PBT	1501AG D2K K 85	1501AGD2K0085	85,0	3.35	8,7	0.343	1850	416	0,73	0.49
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (e-F.A.S.T.) – NEW	PBT	1501AG EF K 83,8	1501AGEFKRA/000	83,8	3.30	8,7	0.343	1850	416	0,73	0.49
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (e-F.A.S.T.) – NEW	PBT	1501AG EF K 85	1501AGEF0085	85,0	3.35	8,7	0.343	1850	416	0,73	0.49

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1500 SERIES – 8,7 MM (0.343") THICKNESS, FLUSH GRID

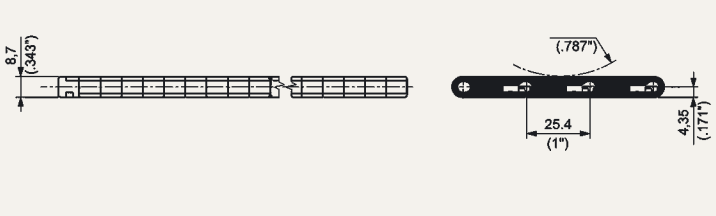
8,7 MM (0.343") THICKNESS - FLUSH GRID

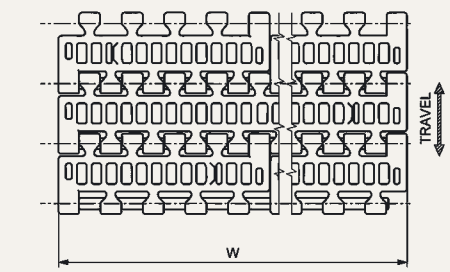
This belt has an excellent combination of open and support areas to allow drainage of liquids and good support of the conveyed product. This belt is particularly suitable for conveying of aluminium cans.

- **Belt widths:** 85 mm (3.346”) or wider in 85 mm (3.346”) increments
- **Working Load (at 25°C/77°F):** 21600 N/m (1,480 lbs/ft) for UP and DK²™ materials; 13200 N/m (904 lbs/ft) for PP material
- **Belt weight:** 6,58 kg/m² (1.58 lbs/ft²) for UP and DK²™ materials; 4,43 kg/m² (1.35 lbs/ft²) for PP material

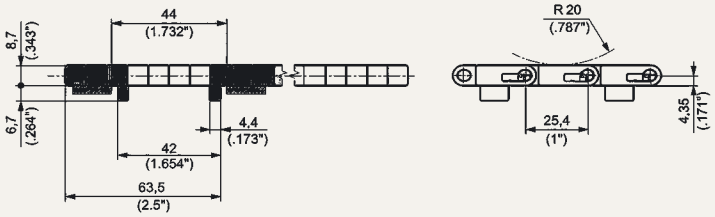


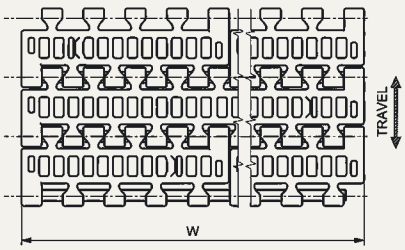
1500 SERIES FLUSH GRID BELT





VERSION WITHOUT TRACKING GUIDE – SIDE VIEW, SECTION AND PLAN VIEW. R 20 (.787"), 25,4 (1"), 8,7 (.343"), 4,35 (.171"), W, TRAVEL





VERSION WITH TRACKING GUIDE – SIDE VIEW, SECTION AND PLAN VIEW. 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 25,4 (1"), 4,4 (.173"), 8,7 (.343"), 6,7 (.264"), 4,35 (.171"), R 20 (.787"), W, TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

1500 SERIES - PART NUMBERS BY WIDTH AND MATERIAL

WIDTH W		MATERIALS						
		MODULE						
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®		DK²™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®		PP – SPECIAL POLYPROPYLENE (1)		PIN
		PART NUMBER		PART NUMBER		PART NUMBER		
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	1500AUP0085		1500AD2K0085		1500APP0085	1500AGPP0085	PBT
170	6.69	1500BUP0170	1500BG1UP0170	1500BD2K0170	1500BG1D2K0170	1500BPP0170	1500BG1PP0170	POLYPROPYLENE (PBT on request)
255	10.04	1500BUP0255	1500BG1UP0255	1500BD2K0255	1500BG1D2K0255	1500BPP0255	1500BG1PP0255	POLYPROPYLENE (PBT on request)
340	13.39	1500BUP0340	1500BG1UP0340	1500BD2K0340	1500BG1D2K0340	1500BPP0340	1500BG1PP0340	POLYPROPYLENE (PBT on request)
425	16.73	1500BUP0425	1500BG1UP0425	1500BD2K0425	1500BG1D2K0425	1500BPP0425	1500BG1PP0425	POLYPROPYLENE (PBT on request)
510	20.08	1500BUP0510	1500BG1UP0510	1500BD2K0510	1500BG1D2K0510	1500BPP0510	1500BG1PP0510	POLYPROPYLENE (PBT on request)
595	23.43	1500BUP0595	1500BG1UP0595	1500BD2K0595	1500BG1D2K0595	1500BPP0595	1500BG1PP0595	POLYPROPYLENE (PBT on request)
680	26.77	1500BUP0680	1500BG1UP0680	1500BD2K0680	1500BG1D2K0680	1500BPP0680	1500BG1PP0680	POLYPROPYLENE (PBT on request)
765	30.12	1500BUP0765	1500BG1UP0765	1500BD2K0765	1500BG1D2K0765	1500BPP0765	1500BG1PP0765	POLYPROPYLENE (PBT on request)
850	33.46	1500BUP0850	1500BG1UP0850	1500BD2K0850	1500BG1D2K0850	1500BPP0850	1500BG1PP0850	POLYPROPYLENE (PBT on request)
935	36.81	1500BUP0935	1500BG1UP0935	1500BD2K0935	1500BG1D2K0935	1500BPP0935	1500BG1PP0935	POLYPROPYLENE (PBT on request)
1020	40.16	1500BUP1020	1500BG1UP1020	1500BD2K1020	1500BG1D2K1020	1500BPP1020	1500BG1PP1020	POLYPROPYLENE (PBT on request)

(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH
Belts wider than 1020 mm (40.16”) are available in 85 mm (3.35”) increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for UP material is “1500BUP1105”.
Standard packaging: Belt widths ≤ 1020 mm (40.16”) are supplied in rolls of 3,048 m (10 ft) each. Belt widths ≥ 1105 mm (43.50”) are supplied at the length requested by the customer.

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1500 SERIES E-F.A.S.T. – 8,7 MM (0.343") THICKNESS, FLUSH GRID

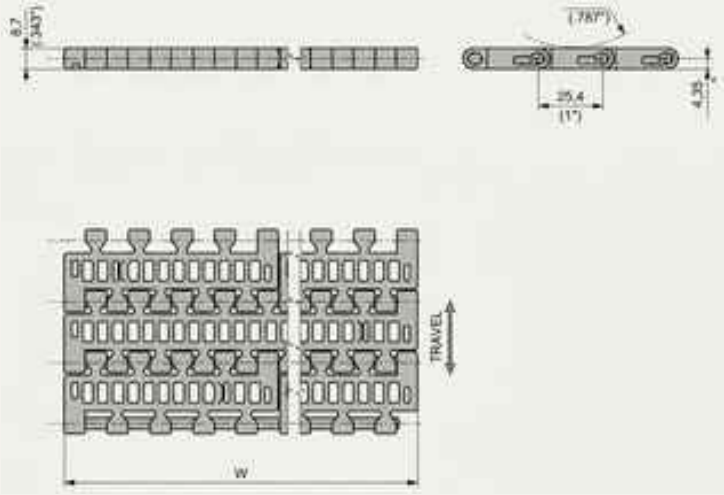
8,7 MM (0.343") THICKNESS - FLUSH GRID

This belt has an excellent combination of open and support areas to allow drainage of liquids and good support of the conveyed product. This belt is particularly suitable for conveying of aluminium cans.

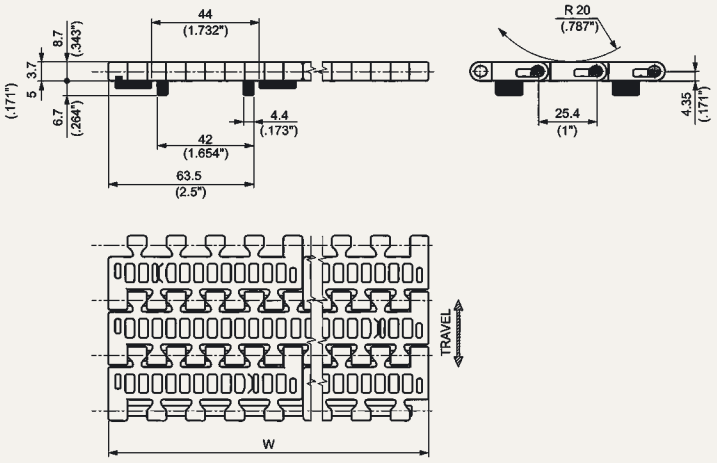
- **Belt widths:** 85 mm (3.346”) or wider in 85 mm (3.346”) increments
- **Working Load (at 25°C/77°F):** 21600 N/m (1,480 lbs/ft) for e-F.A.S.T. materials
- **Belt weight:** 6,58 kg/m² (1.58 lbs/ft²) for e-F.A.S.T. materials



1500 SERIES E-F.A.S.T. FLUSH GRID BELT



VERSION WITHOUT TRACKING GUIDE – SIDE VIEW, SECTION AND PLAN VIEW. R 20 (.787"), 25,4 (1"), 8,7 (.343"), 4,35 (.171"), W, TRAVEL



VERSION WITH TRACKING GUIDE – SIDE VIEW, SECTION AND PLAN VIEW. 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 25,4 (1"), 4,4 (.173"), 8,7 (.343"), 6,7 (.264"), 4,35 (.171"), R 20 (.787"), W, TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

1500 SERIES - E-F.A.S.T. PART NUMBERS BY WIDTH

WIDTH W		MATERIALS MODULE ECOLOGICAL FRICTION ABATING THERMOPLASTIC (E-F.A.S.T.) – NEW PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	1500AEF0085	1500AGEF0085	PBT
170	6.69	1500AEF0170	1500AG1EF0170	PBT
255	10.04	1500AEF0255	1500AG1EF0255	PBT
340	13.39	1500AEF0340	1500AG1EF0340	PBT
425	16.73	1500AEF0425	1500AG1EF0425	PBT
510	20.08	1500AEF0510	1500AG1EF0510	PBT

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

ACTIVE TRANSFER MODULES – 1500G ATM SERIES (METRIC STANDARD)

ACTIVE TRANSFER MODULES - 8,7 MM (0.343") THICKNESS - FLUSH GRID

1500G ATM can be used in combination with 1500 Modular belts series.

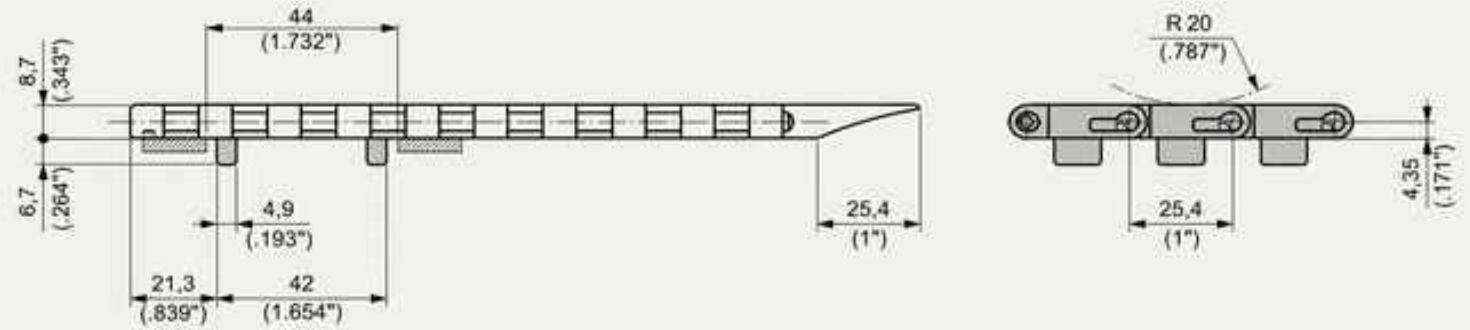
Active transfer modules 1500G ATM allow the transfer of products between two 90° conveyor tracks without using dead plates.

The special wing shaped module profile supports the products dynamically during transfer on the take-away belt.

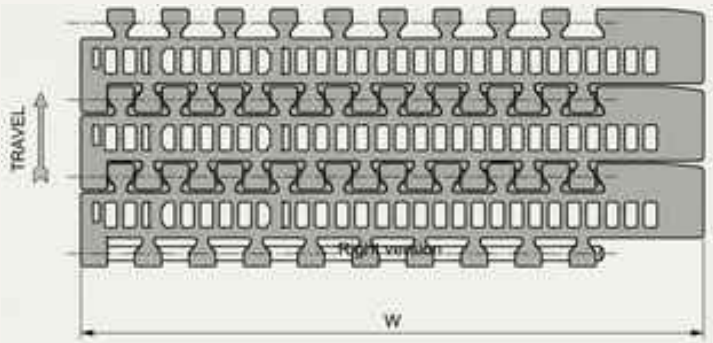
This system is particularly suitable for aluminium cans.



1500G ATM ACTIVE TRANSFER MODULES



SIDE AND END VIEWS – 8,7 (.343"), 6,7 (.264"), 44 (1.732"), 42 (1.654"), 21,3 (.839"), 4,9 (.193"), 25,4 (1"), R 20 (.787"), 4,35 (.171")



TOP VIEW, RIGHT VERSION – BELT WIDTH W, DIRECTION OF TRAVEL

1500G ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
Ultra performance homopolymer Delrin® (UP)	Polypropylene	1500BGATM UP 0170 DX	1500BGATMUP170D	195	7.68	8,7	0.343	3670	825	0,85	0.57
Special Delrin® reinforced with Kevlar®	Polypropylene	1500BGATM D2K 0170 DX	1500BGATMD2K170D	195	7.68	8,7	0.343	3670	825	0,85	0.57
Ecological friction abating thermoplastic e-F.A.S.T. (NEW)	PBT	1500AGATM EF 0170 DX	1500AGATMEF170D	195	7.68	8,7	0.343	3670	825	0,85	0.57

Standard packaging: Rolls of 3,048 m (10 feet).

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1'' LIGHT DUTY BELTS WITH FLIGHTS - 1500 SERIES

8,7 MM (0.343") THICKNESS - FLUSH GRID - FOR INCLINE/DECLINE APPLICATIONS

The 1500 series are also available in a version with flights.

Flights can now be integrated into 1500 series conveyors, to convey products in incline or decline applications.

Flight modules are single-piece elements made by injection-molding that, once assembled, become an integral part of the belt.



1500 SERIES BELT WITH FLIGHTS



SINGLE-PIECE INJECTION-MOULDED FLIGHT MODULE

Flights are available in 1” (25,4 mm), 2” (50,8 mm) or 3” (76,2 mm) standard heights (F dimension).

Flights can be as wide as the module (see exhibit 1), or have a 45 mm (1.772”) side indent (see exhibit 2).

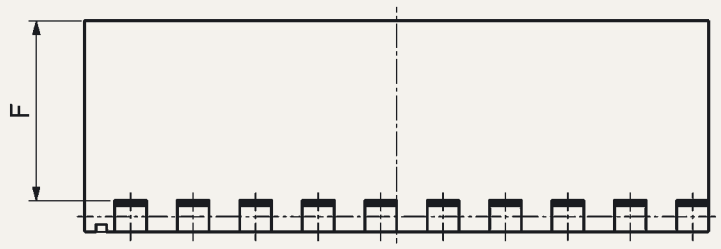


EXHIBIT 1 – FLIGHT AS WIDE AS THE MODULE (HEIGHT F)

EXHIBIT 2

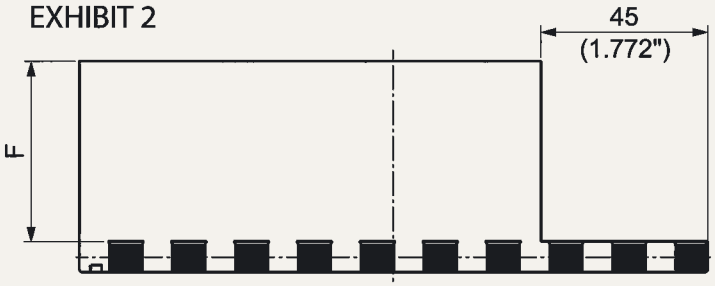
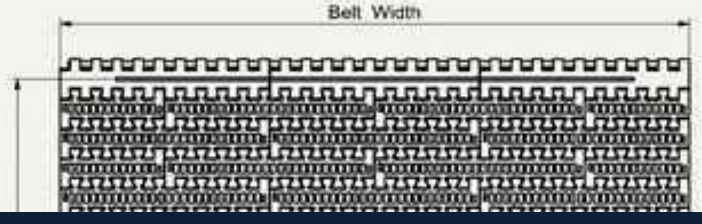


EXHIBIT 2 – FLIGHT WITH 45 MM (1.772") SIDE INDENT (HEIGHT F)

The position of flights into a 1500 modular belt can be customized to fit different applications or conveyor designs, by specifying the following parameters:

1) Flights pitch (K): distance between 2 rows of flights (see exhibit 3).



REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1'' LIGHT DUTY BELTS WITH FLIGHTS - 1500 SERIES

2) Indent (see configuration examples below): the flight indent (N) is the distance between the edge of the belt and the edge of the flight.

It is required to support the belt on its return ways and to hold it down during back flexing.

Standard indent (N) values:
- No side indent
- 45 mm (1.772”)

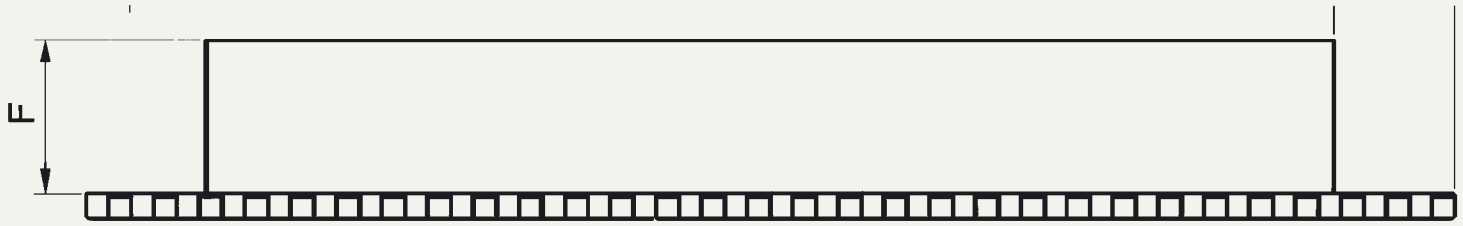
3) N. of Notches and dimension (see configuration examples below): the notch (G) is a gap in each row of flights, longitudinally aligned, to allow supporting the belts on their return ways or in backflexing applications.

The distance (D) is the notch distance from the belt edge.

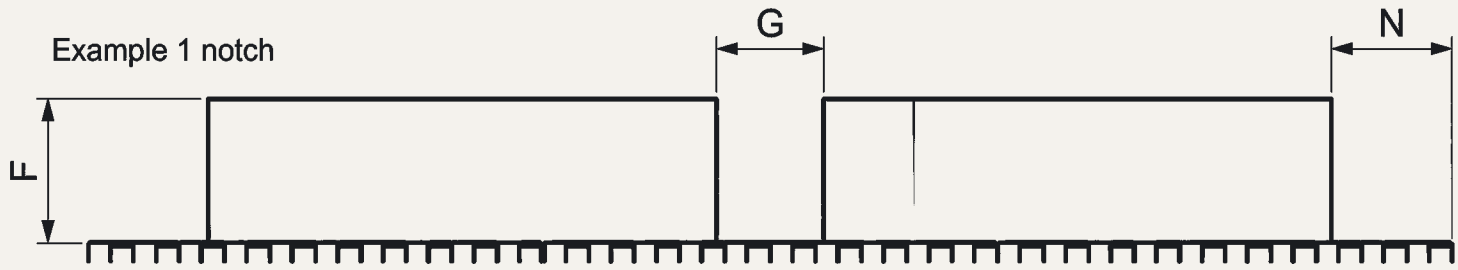
4) N. of Notches available:
- N. 1 notch in the centre
- N. 2 symmetrical notches
- N. 3 symmetrical notches

The belt can be also supplied without notches.

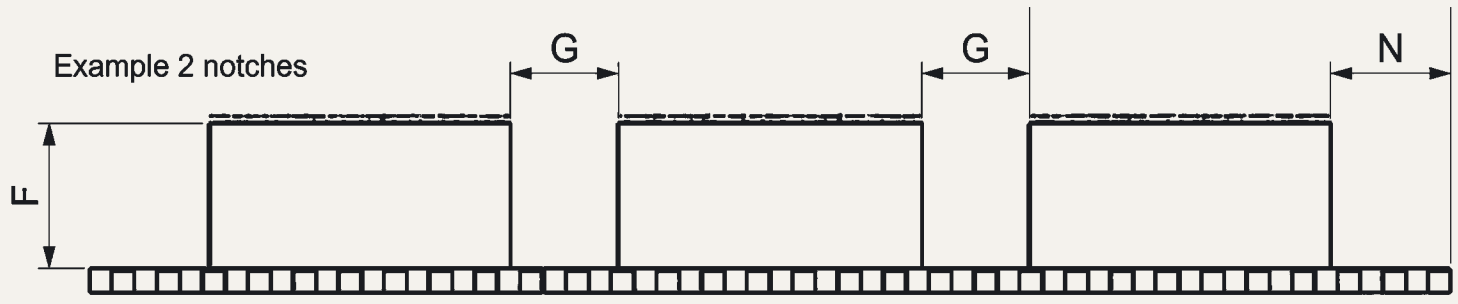
Standard gap (G) values:
- 45 mm (1.772”)



EXAMPLE WITHOUT NOTCHES – FLIGHT HEIGHT F, SIDE INDENT N



EXAMPLE 1 NOTCH – NOTCH WIDTH G, SIDE INDENT N



EXAMPLE 2 NOTCHES – NOTCH WIDTH G, NOTCH DISTANCE D, SIDE INDENT N

CATALOGUE REFERENCE

Use the checklist below to select the correct belt version according to the application needs. Check boxes and fill-in the required values, then contact REGINA Sales Department.

SERIES: 1500 (Flush grid surface)

MATERIAL: Polypropylene PP (grey)

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

SELECTION CHECKLIST

PARAMETER	VALUE TO FILL IN / OPTION TO CHECK
Belt Width (W)	(multiples of 85 mm increments)
Flight height (F)	1" (25,4 mm)
	2" (50,8 mm)
	3" (76,2 mm)
	(special value less than 3" on request)
Flights pitch (K)	(flights row every.. th belt row)
Side indent (N)	No side indent
	45 mm (1.771") indent
	(special value on request)
N. of notches	No notch
	1 notch in the centre
	2 symmetrical notches
	3 symmetrical notches
Notch width (G)	45 mm (1.771")
	(special value on request)
Notch distance (D)	

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1” PITCH LIGHT DUTY BELTS & CHAINS

RAISED RIB – RR 1500 SERIES (METRIC STANDARD)

8,7 MM (0.343") THICKNESS - RAISED RIB

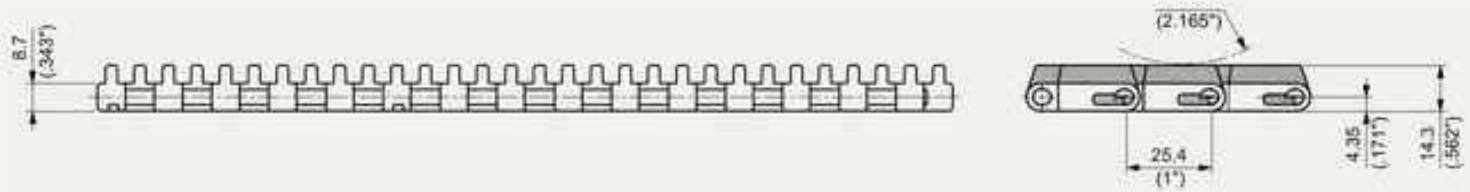
This belt allows smooth head transfer of the products, thanks to the optimized ratio rib thickness / spacing and the special click-combs.

Particularly suitable for products infeed of packaging machines.

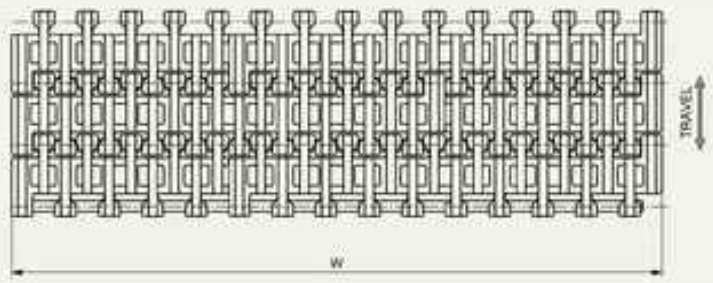
- **Belt widths:** 170 mm (6.69’’) or wider in 85 mm (3.34”) increments
- **Working Load (at 25°C/77°F):** 21600 N/m (1,480 lbs/ft)
- **Belt weight:** 9,62 kg/m² (1.97 lbs/ft²)



RR 1500 RAISED RIB BELT



SIDE AND END VIEWS – 8,7 (.343"), 25,4 (1"), R 55 (2.165"), 4,35 (.171"), 14,3 (.562")



TOP VIEW – BELT WIDTH W, DIRECTION OF TRAVEL

RR 1500 SERIES - RAISED RIB BELTS

WIDTH W		MATERIALS
MM	INCH	MODULE: UP ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER
170	6.69	RR1500BUP0170
255	10.04	RR1500BUP0255
340	13.39	RR1500BUP0340
425	16.73	RR1500BUP0425
510	20.08	RR1500BUP0510
595	23.43	RR1500BUP0595
680	26.77	RR1500BUP0680
765	30.12	RR1500BUP0765
850	33.46	RR1500BUP0850
935	36.81	RR1500BUP0935
1020	40.16	RR1500BUP1020

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

RR 1500 SERIES – TRANSFER COMBS & OMEGA STYLE PROFILE

TRANSFER COMBS

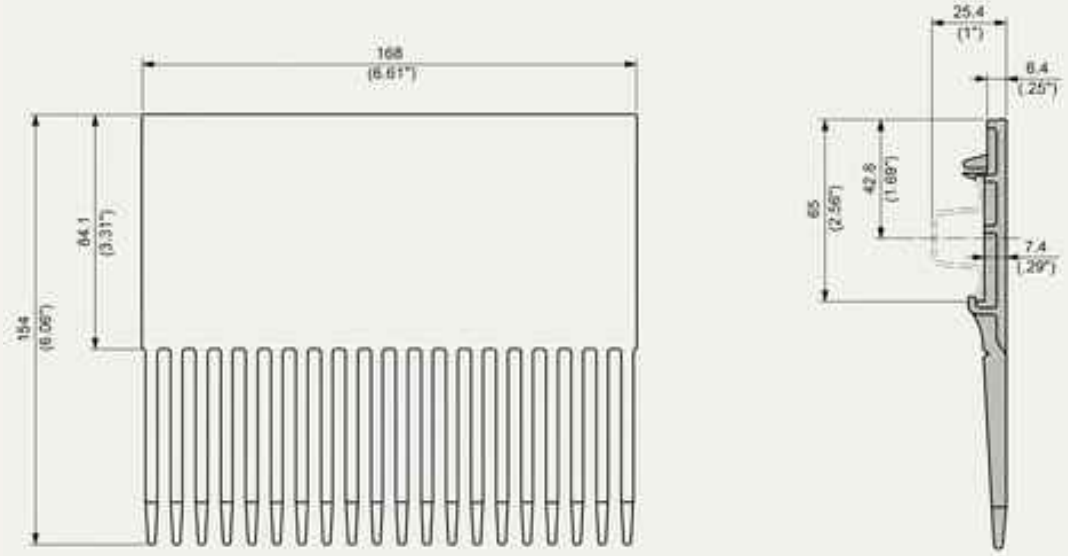
The comb is click-fitted on the omega style profile without using any fastening screws.



TRANSFER COMB ON OMEGA STYLE PROFILE

MATERIALS

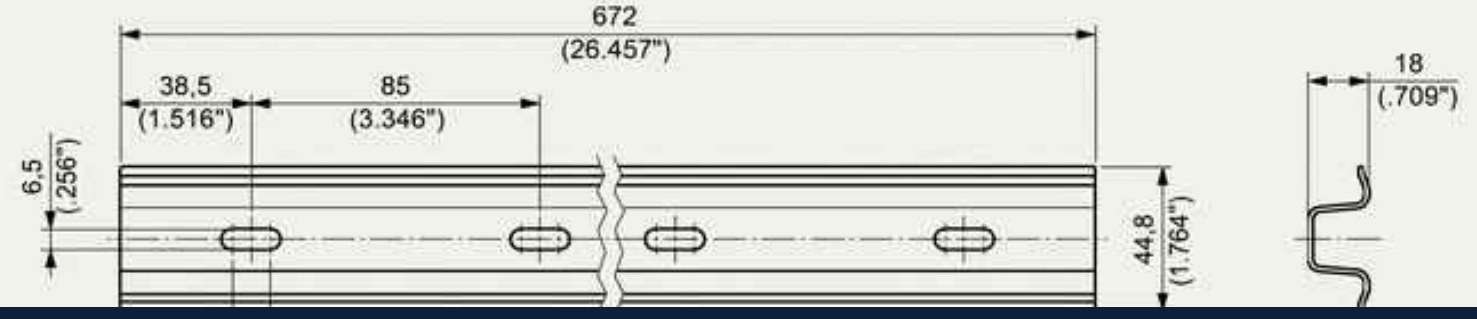
COMPONENT	CODE	MATERIAL
COMBS	DG	ACETAL RESIN
PROFILE	SS	STAINLESS STEEL



TRANSFER COMB – PART NUMBER TC1500-01: 168 (6.61"), 154 (6.06"), 84,1 (3.31"); SECTION 25,4 (1"), 65 (2.56"), 42,8 (1.69"), 6,4 (.25"), 7,4 (.29")

OMEGA STYLE PROFILE

PART NUMBER **PRT-RR1500-0672**



REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

HF 1600 SERIES – RUBBERIZED SURFACE, FULL COVER (METRIC STANDARD)

8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE - FULL COVER

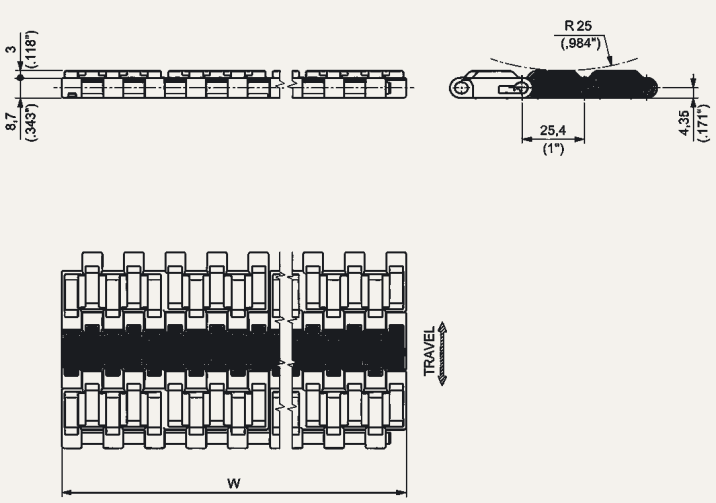
This belts is specifically designed for handling shrink wrapped packs, boxes, plastic trays and other type of containers in incline, decline or timing applications.

The rubberized area is maximized to provide outstanding gripping capabilities on the conveyed products.

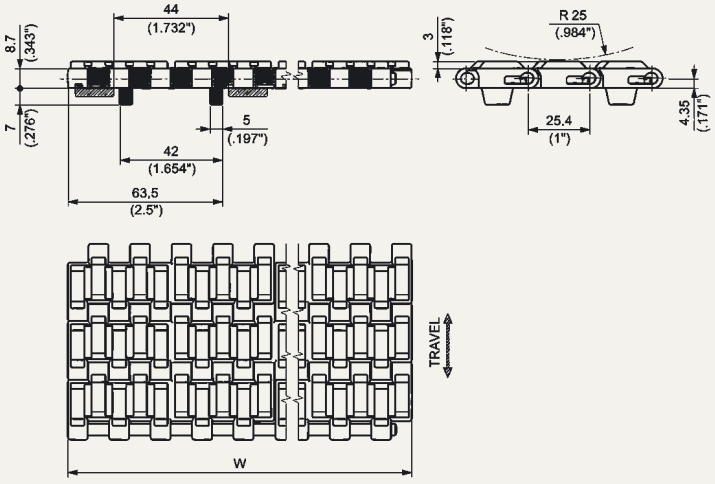


HF 1600 RUBBERIZED FULL COVER BELT

- Belt widths: 85 mm (3.346") or wider in 85 mm (3.346") increments
- Working Load (at 25°C/77°F): 14000 N/m (959 lbs/ft) for ULF material; 13200 N/m (904 lbs/ft) for PP material
- Belt weight: 9,05 kg/m² (1.85 lbs/ft²) for ULF material; 6,84 kg/m² (1.40 lbs/ft²) for PP material



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343"), 3 (.118"), 25,4 (1"), R 25 (.984"), 4,35 (.171"), WIDTH W



VERSION WITH TRACKING GUIDE – 8,7 (.343"), 7 (.276"), 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 5 (.197"), 3 (.118"), 25,4 (1"), R 25 (.984"), 4,35 (.171"), WIDTH W

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

WIDTH & MATERIALS

WIDTH W		MATERIALS MODULE			
		ULF – ULTRA LOW FRICTION POLYESTER RESIN		PP – SPECIAL POLYPROPYLENE (1)	
		PART NUMBER		PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
85	3.35	HF1600ULF0085	HF1600GULF0085	HF1600APP0085	HF1600AGPP0085
170	6.69	HF1600ULF0170	HF1600G1ULF0170	HF1600APP0170	HF1600AG1PP0170
255	10.04	HF1600ULF0255	HF1600G1ULF0255	HF1600APP0255	HF1600AG1PP0255
340	13.39	HF1600ULF0340	HF1600G1ULF0340	HF1600APP0340	HF1600AG1PP0340
425	16.73	HF1600ULF0425	HF1600G1ULF0425	HF1600APP0425	HF1600AG1PP0425

Rubber (all widths): THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material).
Pin (all widths): POM for ULF material; PBT for PP material.
(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH
Belts wider than 1020 mm (40.16”) are available in 85 mm (3.35”) increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for ULF material is “HF1600ULF1105”.

WIDTH & MATERIALS (CONT.)

WIDTH W		MATERIALS MODULE			
		ULF – ULTRA LOW FRICTION POLYESTER RESIN		PP – SPECIAL POLYPROPYLENE (1)	
		PART NUMBER		PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
510	20.08	HF1600ULF0510	HF1600G1ULF0510	HF1600APP0510	HF1600AG1PP0510
595	23.43	HF1600ULF0595	HF1600G1ULF0595	HF1600APP0595	HF1600AG1PP0595
680	26.77	HF1600ULF0680	HF1600G1ULF0680	HF1600APP0680	HF1600AG1PP0680
756	30.12	HF1600ULF0765	HF1600G1ULF0765	HF1600APP0765	HF1600AG1PP0765
850	33.46	HF1600ULF0850	HF1600G1ULF0850	HF1600APP0850	HF1600AG1PP0850
935	36.81	HF1600ULF0935	HF1600G1ULF0935	HF1600APP0935	HF1600AG1PP0935
1020	40.16	HF1600ULF1020	HF1600G1ULF1020	HF1600APP1020	HF1600AG1PP1020

STANDARD PACKAGING

Belt widths ≤ 1020 mm (40.16”) are supplied in rolls of 3,048 m (10 ft) each.

Belt widths ≥ 1105 mm (43.50”) are supplied at the length requested by the customer.

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

HFS 1600 SERIES – RUBBERIZED SURFACE, SIDE INDENT (METRIC STANDARD)

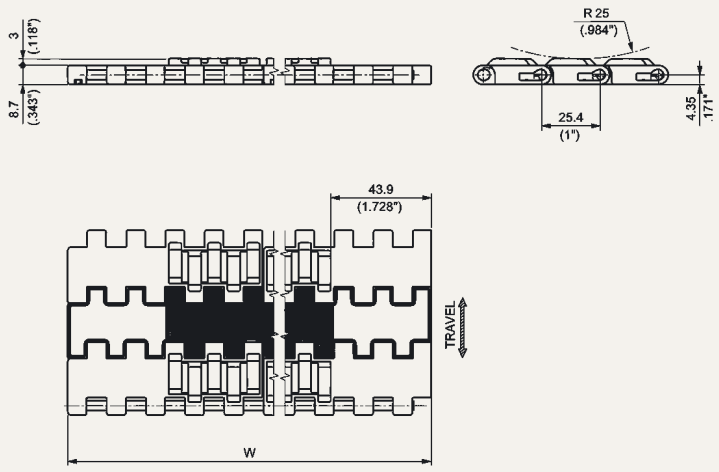
8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE - SIDE INDENT

The belt is specifically designed for handling shrink wrapped packs, boxes, plastic trayes and other types of containers in incline, decline or timing applications.

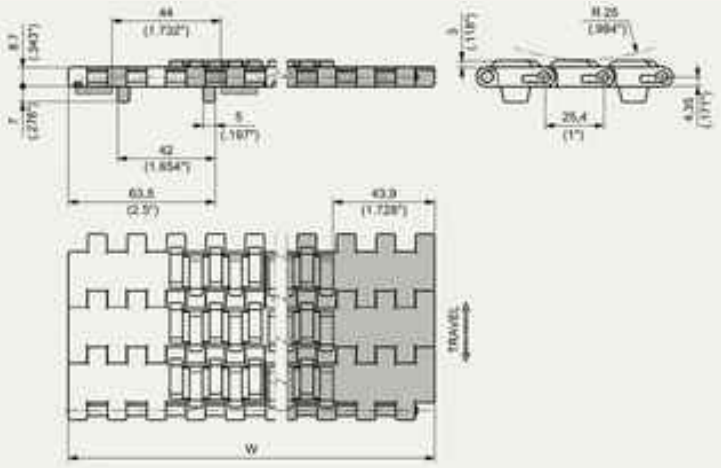


HFS 1600 RUBBERIZED SIDE INDENT BELT

- Belt widths: 255 mm (10.04") or wider in 85 mm (3.346") increments
- Working Load (at 25°C/77°F): 14000 N/m (959 lbs/ft) for ULF material; 13200 N/m (904 lbs/ft) for PP material
- Belt weight: 8,91 kg/m² (1.82 lbs/ft²) for ULF material; 6,71 kg/m² (1.37 lbs/ft²) for PP material



VERSION WITHOUT TRACKING GUIDE – 8,7 (.343"), 3 (.118"), 25,4 (1"), R 25 (.984"), 4,35 (.171"), 43,9 (1.728"), WIDTH W



VERSION WITH TRACKING GUIDE – 8,7 (.343"), 7 (.276"), 44 (1.732"), 42 (1.654"), 63,5 (2.5"), 5 (.197"), 3 (.118"), 25,4 (1"), R 25 (.984"), 4,35 (.171"), 43,9 (1.728"), WIDTH W

WIDTH & MATERIALS

WIDTH W		MATERIALS MODULE			
		ULF – ULTRA LOW FRICTION POLYESTER RESIN		PP – SPECIAL POLYPROPYLENE (1)	
		PART NUMBER		PART NUMBER	
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
255	10.04	HFS1600ULF0255	HFS1600G1ULF0255	HFS1600APP0255	HFS1600AG1PP0255
340	13.39	HFS1600ULF0340	HFS1600G1ULF0340	HFS1600APP0340	HFS1600AG1PP0340
425	16.73	HFS1600ULF0425	HFS1600G1ULF0425	HFS1600APP0425	HFS1600AG1PP0425
510	20.08	HFS1600ULF0510	HFS1600G1ULF0510	HFS1600APP0510	HFS1600AG1PP0510
595	23.43	HFS1600ULF0595	HFS1600G1ULF0595	HFS1600APP0595	HFS1600AG1PP0595
680	26.77	HFS1600ULF0680	HFS1600G1ULF0680	HFS1600APP0680	HFS1600AG1PP0680
765	30.12	HFS1600ULF0765	HFS1600G1ULF0765	HFS1600APP0765	HFS1600AG1PP0765
850	33.46	HFS1600ULF0850	HFS1600G1ULF0850	HFS1600APP0850	HFS1600AG1PP0850
935	36.81	HFS1600ULF0935	HFS1600G1ULF0935	HFS1600APP0935	HFS1600AG1PP0935
1020	40.16	HFS1600ULF1020	HFS1600G1ULF1020	HFS1600APP1020	HFS1600AG1PP1020

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY CHAINS - RR 1600 SERIES

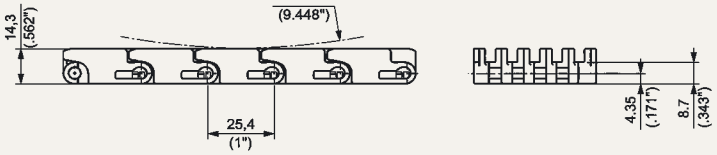
8,7 MM (0.343") THICKNESS - RAISED RIB

The ideal ratio rib thickness/spacing offers high support even for the most unstable products, such as PET bottles with petaloid bottom, cans, 3-piece cans.

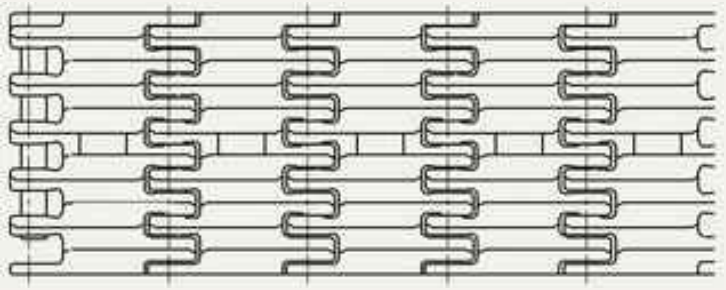
Optimum liquid drainage and good mechanical strength.



RR 1600 RAISED RIB CHAIN



SIDE AND END VIEW – 14,3 (.562"), R 240 (9.448"), 25,4 (1"), 4,35 (.171"), 8,7 (.343")



TOP VIEW – WIDTH W, DIRECTION OF TRAVEL

SEE ALSO

MATERIALS	COMBS	SPROCKETS	APPLICATIONS
see page 12	see page 211	see pages 214÷220	see page 24

RR 1600 SERIES RAISED RIB CHAINS

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® — UP	PBT	RR1600A UP K 30	R1600AUPKMA/000	30,0	1.18	8,7	0.343	700	157	0,39	0.26
ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® — UP	PBT	RR1600A UP K 38,5	R1600AUPKMB/000	38,5	1.52	8,7	0.343	950	214	0,49	0.33
ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® — UP	PBT	RR1600A UP K 47	R1600AUPKNB/000	47,0	1.85	8,7	0.343	1150	259	0,60	0.40
ULTRA PERFORMANCE HOMOPOLYMER DELRIN ® — UP	PBT	RR1600A UP K 58	R1600AUPKPB/000	58,0	2.28	8,7	0.343	1400	315	0,75	0.50
SPECIAL POLYPROPYLENE (1) — PP	PBT	RR1600A PP K 30	R1600APPKMA/000	30,0	1.18	8,7	0.343	700	157	0,26	0.17
SPECIAL POLYPROPYLENE (1) — PP	PBT	RR1600A PP K 38,5	R1600APPKMB/000	38,5	1.52	8,7	0.343	950	214	0,33	0.22
SPECIAL POLYPROPYLENE (1) — PP	PBT	RR1600A PP K 47	R1600APPKNB/000	47,0	1.85	8,7	0.343	1150	259	0,40	0.27
SPECIAL POLYPROPYLENE (1) — PP	PBT	RR1600A PP K 58	R1600APPKPB/000	58,0	2.28	8,7	0.343	1400	315	0,49	0.33

(1) ACTUAL WIDTH CAN BE UP TO 0,5% GREATER THAN NOMINAL WIDTH

STANDARD PACKAGING

Rolls of 3,048 m (10 feet)

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY CHAINS - RR 1600 SERIES

TRANSFER COMBS

Combs are supplied with slot covers but without fastening screws. One fastening screw is required for each comb. It can be ordered using P/N 16300020.

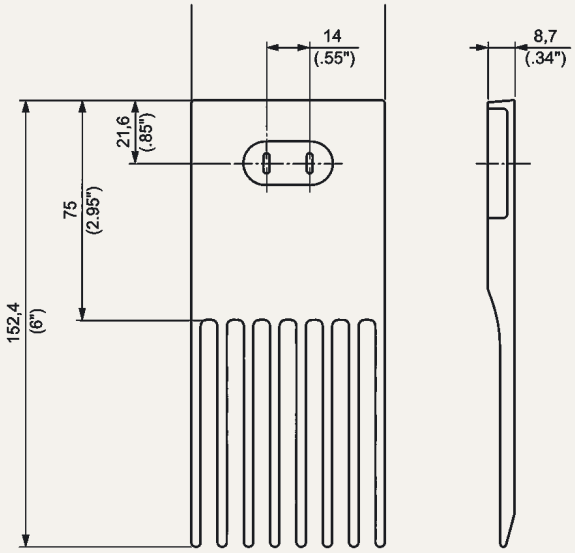


TRANSFER COMB

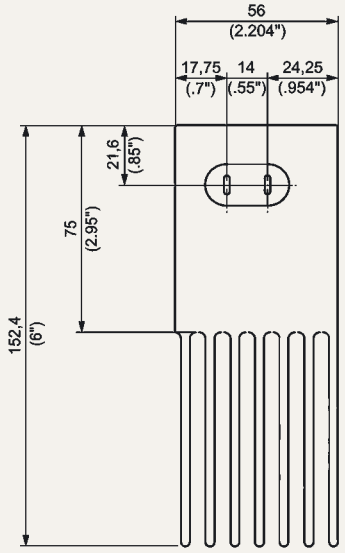
MATERIALS

COMPONENT	CODE	MATERIAL
COMBS:	DG	ACETAL RESIN
SCREWS*:	SS	STAINLESS STEEL

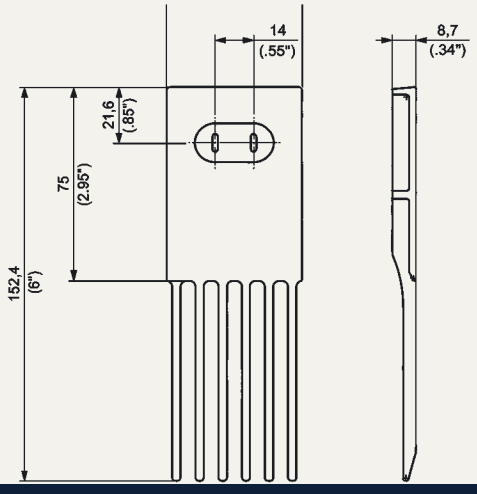
**Screws are not included in the combs.*

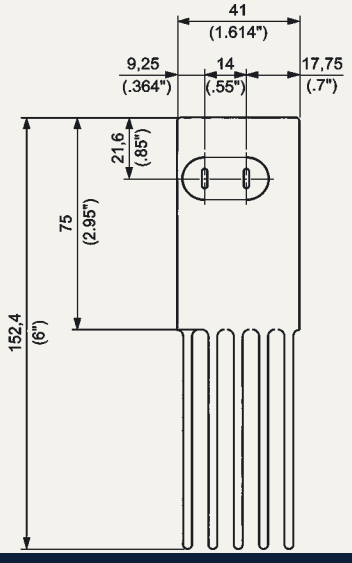


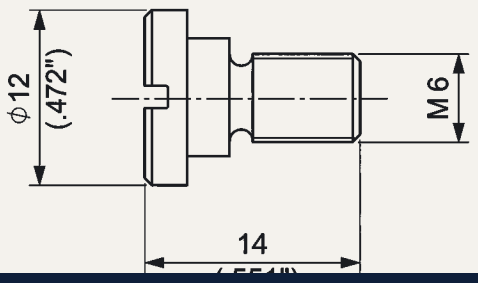
COMB FOR K 58 CHAIN – PART NUMBER TC1600-01



COMB FOR K 47 CHAIN – PART NUMBER TC1600-02







REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY BELTS AND CHAINS - 1110 SERIES – IMPERIAL STANDARD

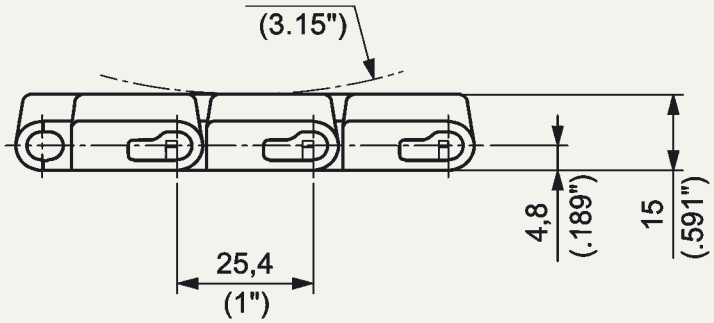
9,6 MM (0.378") THICKNESS - RAISED RIB

This belt allows the head transfer of the products by using transfer combs and has a open area to allow liquid drainage and belt cleaning. Particularly suitable for product infeed of packaging machines.



1110 SERIES RAISED RIB BELT

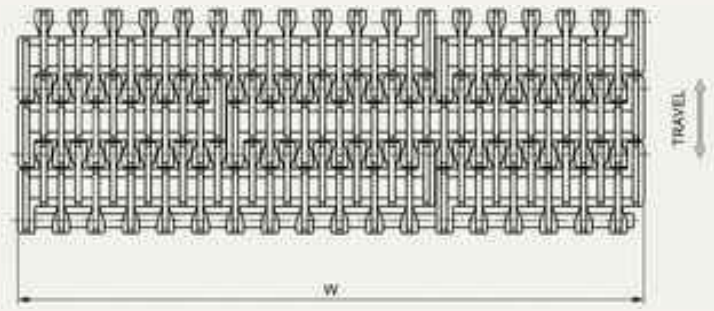
- Belt widths: 152,4 mm (6") or wider in 76,2 mm (3") increments
- Working Load (at 25°C/77°F): 21580 N/m (1,480 lbs/ft) for UP material; 10920 N/m (748 lbs/ft) for PP material
- Belt weight: 9,27 kg/m² (1.90 lbs/ft²) for UP material; 6,16 kg/m² (1.26 lbs/ft²) for PP material



LINK DETAIL – 25,4 MM (1") PITCH, R 80 (3.15"), 4,8 (.189"), 15 (.591")



BELT CROSS-SECTION – 9,6 MM (0.378") THICKNESS



BELT PLAN VIEW – WIDTH W, DIRECTION OF TRAVEL

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

BELT WIDTHS AND PART NUMBERS

WIDTH W		MATERIALS		
		MODULE		
		UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	PP – SPECIAL POLYPROPYLENE(1)	PIN
MM	INCH	PART NUMBER	PART NUMBER	
152,4	6	1110UP006	1110PP006	POLYPROPYLENE
228,6	9	1110UP009	1110PP009	POLYPROPYLENE
304,8	12	1110UP012	1110PP012	POLYPROPYLENE
381,0	15	1110UP015	1110PP015	POLYPROPYLENE
457,2	18	1110UP018	1110PP018	POLYPROPYLENE
533,4	21	1110UP021	1110PP021	POLYPROPYLENE
609,6	24	1110UP024	1110PP024	POLYPROPYLENE
685,8	27	1110UP027	1110PP027	POLYPROPYLENE
762,0	30	1110UP030	1110PP030	POLYPROPYLENE
838,2	33	1110UP033	1110PP033	POLYPROPYLENE
914,4	36	1110UP036	1110PP036	POLYPROPYLENE
990,6	39	1110UP039	1110PP039	POLYPROPYLENE
1066,8	42	1110UP042	1110PP042	POLYPROPYLENE
1143,0	45	1110UP045	1110PP045	POLYPROPYLENE
1219,2	48	1110UP048	1110PP048	POLYPROPYLENE
1295,4	51	1110UP051	1110PP051	POLYPROPYLENE
1371,6	54	1110UP054	1110PP054	POLYPROPYLENE
1447,8	57	1110UP057	1110PP057	POLYPROPYLENE
1524,0	60	1110UP060	1110PP060	POLYPROPYLENE

(1) ACTUAL WIDTH CAN BE UP TO 1% GREATER THAN NOMINAL WIDTH
Belts wider than 1524 mm (60") are available in 76,2 mm (3") increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width.
Example: for a 63" wide belt (=60+3 inches), the PN for PP material is “1110PP063”.

STANDARD PACKAGING

Belts are supplied in the length requested by the customer.

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

1” PITCH LIGHT DUTY BELTS AND CHAINS - 1110 SERIES

TRANSFER COMBS

Combs are supplied with slot covers but without fastening screws. Two fastening screws are required for each comb. They can be ordered using P/N 16300020.

Special note: the comb fastening screws for 1110 belts are not interchangeable with fastening screws for 3135 belts.

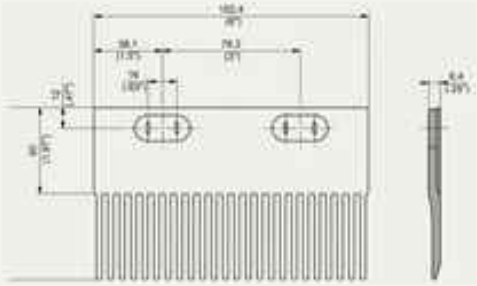


1110 SERIES TRANSFER COMB

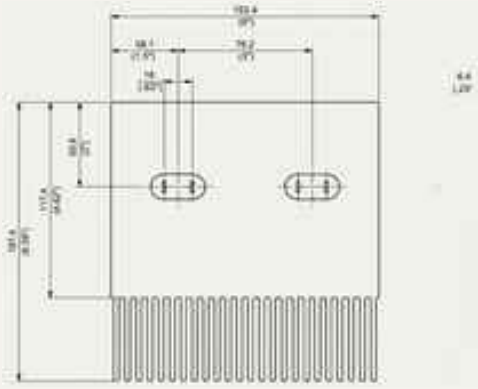
MATERIALS

COMPONENT	CODE	MATERIAL
COMBS:	DG	ACETAL RESIN
SCREWS*:	SS	STAINLESS STEEL

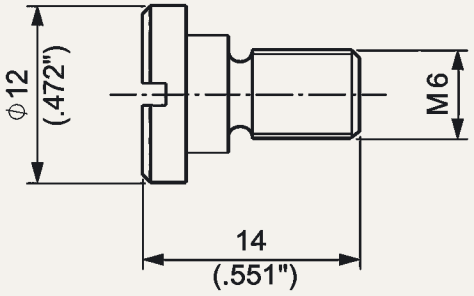
**Screws are not included in the combs.*



PART NUMBER TC1110-01



PART NUMBER TC1110-02



FASTENING SCREW – PART NUMBER 16300020

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS:

- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

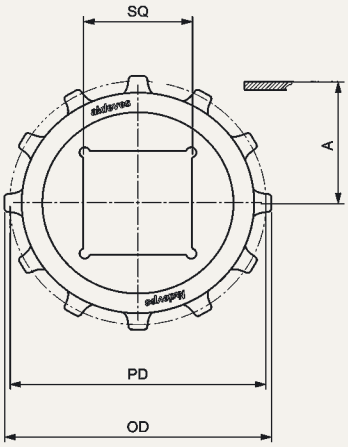
COMPONENT	CODE	MATERIAL
SPROCKETS:	PGF	REINFORCED POLYAMIDE



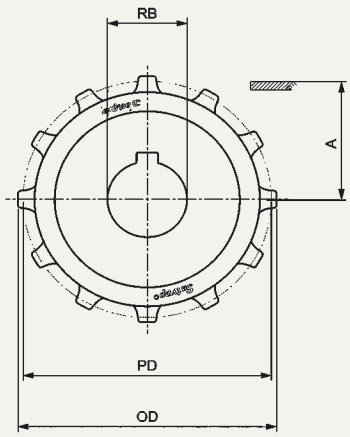
1010 SERIES SPROCKET

8T & 12T SPROCKETS

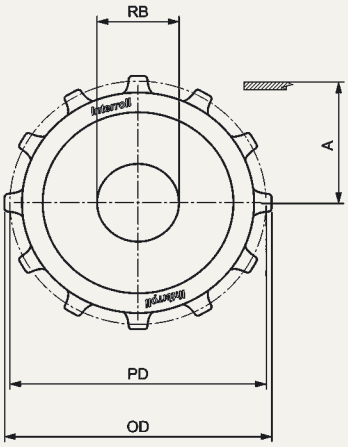
(for 13T, 18T, 19T & 21T see next pages)



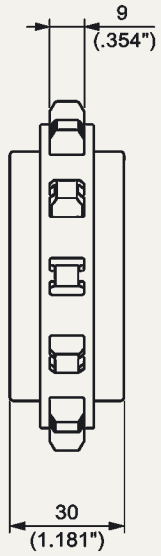
SQUARE BORE – DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE – DRIVE (RB, PD, OD, A)



ROUND BORE – IDLER (RB, PD, OD, A)



HUB SECTION – B (1.354"), 30 (1.181")

NOTE: FOR 8T SPROCKET, THE HUB WIDTH IS 25 mm (0.984")

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
									SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	DRIVE/IDLER	DRIVE	IDLER	KG	LBS

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

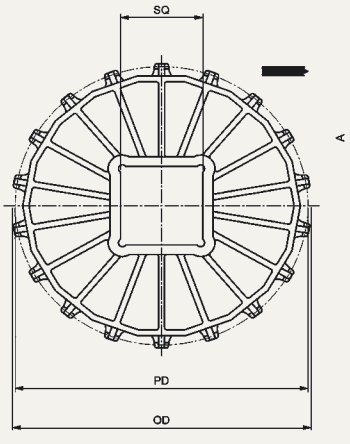
COMPONENT	CODE	MATERIAL
Sprockets	PGF	Reinforced Polyamide



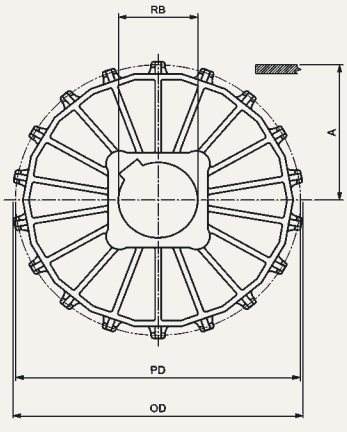
1010 SERIES MOULDED SOLID SQUARE BORE SPROCKET

13T & 18T SPROCKETS

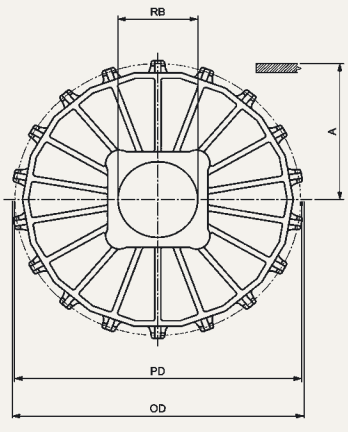
(for 19T & 21T see next page, for 8T & 12T see previous page)



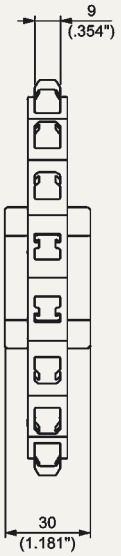
SQUARE BORE - DRIVE/IDLER



ROUND BORE - DRIVE



ROUND BORE - IDLER



SIDE VIEW – 9 (.354") / 30 (1.181")

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ — DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH		DRIVE	IDLER	KG	LBS
13	106,14	4.179	106,20	4.181	48,70	1.917	30			MPBT10101330	MPBF10101330	0,17	0.38
							35			MPBT10101335	MPBF10101335	0,15	0.33
							40		MPBQ10101340	MPBT10101340	MPBF10101340	0,16	0.36

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

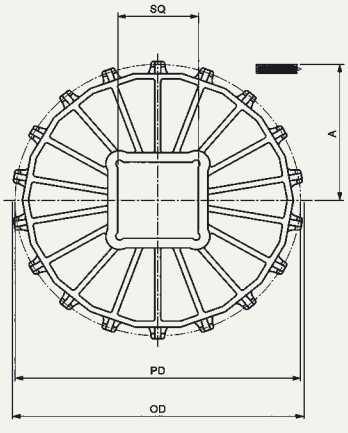
COMPONENT	CODE	MATERIAL
Sprockets	PGF	Reinforced Polyamide



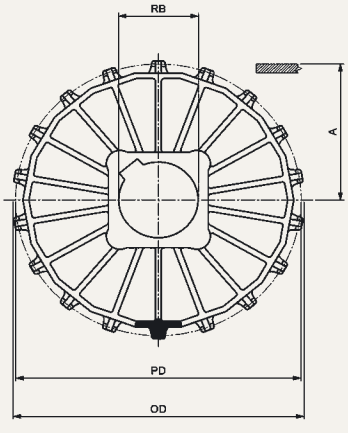
1010 SERIES MOULDED SOLID SQUARE BORE SPROCKET

19T & 21T SPROCKETS

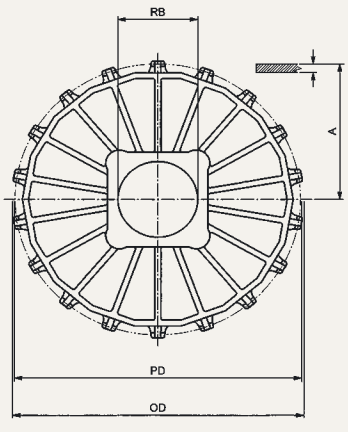
(for 8T, 12T, 13T & 18T see previous pages)



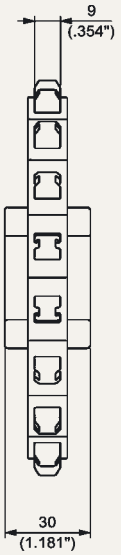
SQUARE BORE - DRIVE/IDLER



ROUND BORE - DRIVE



ROUND BORE - IDLER



SIDE VIEW – 9 (.354") / 30 (1.181")

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ — DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH		DRIVE	IDLER	KG	LBS
19	154,32	6.076	155,30	6.114	72,80	2.866	30			MPBT10101930	MPBF10101930	0,18	0.41
							35			MPBT10101935	MPBF10101935	0,17	0.38
							40		MPBQ10101940	MPBT10101940	MPBF10101940	0,16	0.35
							50			MPBT10101950	MPBF10101950	0,19	0.42
							60		MPBQ10101960	MPBT10101960	MPBF10101960	0,15	0.34
							65		MPBQ10101965			0,17	0.37
								1		MPBT101019254	MPBF101019254	0,19	0.43
								1-3/16		MPBT101019301	MPBF101019301	0,18	0.41
								1-7/16		MPBT101019365	MPBF101019365	0,17	0.37
								1-1/2	MPBQ101019381	MPBT101019381	MPBF101019381	0,17	0.36
								2-1/2	MPBQ101019635			0,17	0.37
21	170,42	6.709	171,60	6.756	80,90	3.185	30			MPBT10102130	MPBF10102130	0,27	0.59
							35			MPBT10102135	MPBF10102135	0,26	0.57
							40		MPBQ10102140	MPBT10102140	MPBF10102140	0,25	0.54
							50			MPBT10102150	MPBF10102150	0,29	0.64
							60		MPBQ10102160			0,22	0.49
								1-3/16		MPBT101021301	MPBF101021301	0,27	0.59
								1-7/16		MPBT101021365	MPBF101021365	0,25	0.56
								1-1/2	MPBQ101021381	MPBT101021381	MPBF101021381	0,25	0.55

**In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

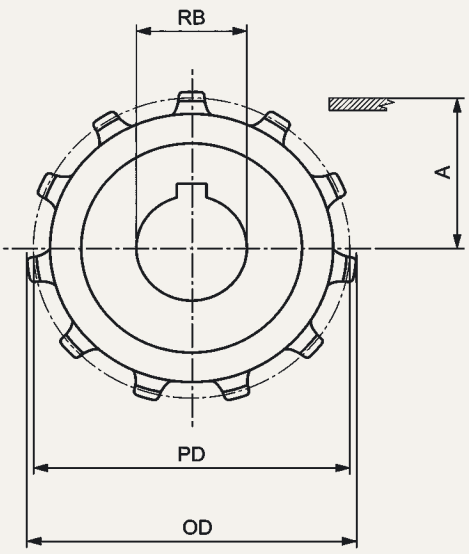
- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

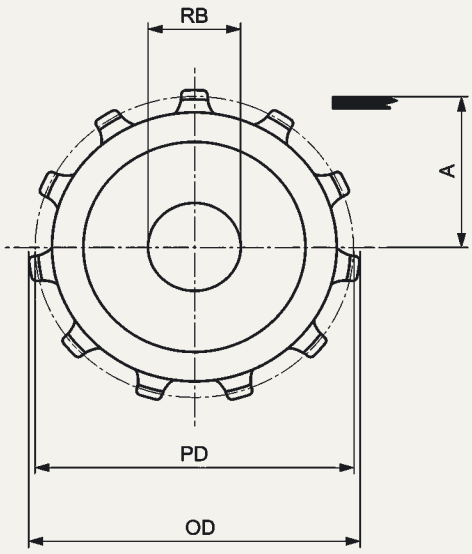
COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide



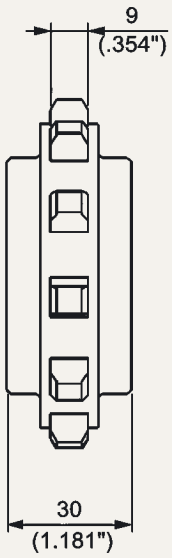
1010 SERIES MACHINED SOLID ROUND BORE SPROCKET



ROUND BORE - DRIVE



ROUND BORE - IDLER



SIDE VIEW – 9 (.354") / 30 (1.181")

MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		ROUND BORE RB — PART NUMBER		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE	IDLER	KG	LBS
10	82,20	3.236	81,30	3.201	36,70	1.445	25		MPBAT10101025	MPBAF10101025	0,09	0.19
							30		MPBAT10101030	MPBAF10101030	0,08	0.18
								1	MPBAT101010254	MPBAF101010254	0,09	0.19
								1-1/4	MPBAT101010317	MPBAF101010317	0,08	0.17
								1-1/2	MPBAT101010381	MPBAF101010381	0,07	0.14
11	90,16	3.550	89,60	3.528	40,70	1.602	25		MPBAT10101125	MPBAF10101125	0,11	0.25
							30		MPBAT10101130	MPBAF10101130	0,11	0.23
								1	MPBAT101011254	MPBAF101011254	0,11	0.25

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

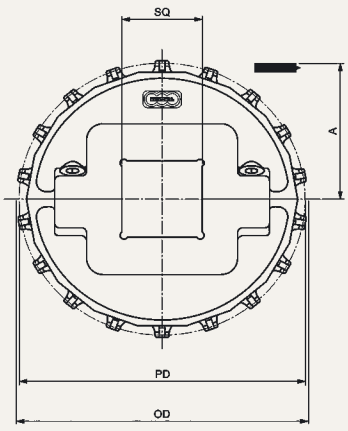
COMPONENT	CODE	MATERIAL
Sprockets	PGF	Reinforced Polyamide
Screw	SS	Stainless Steel
Nuts	S+NC	Zinc Plated Steel



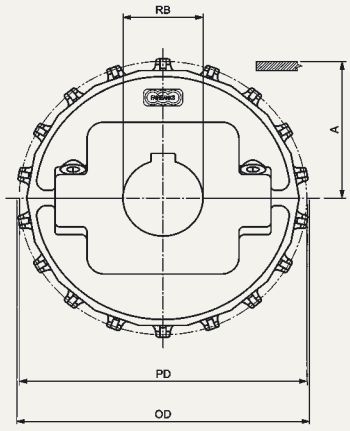
1010 SERIES MOULDED SPLIT SPROCKET

16T & 18T SPROCKETS

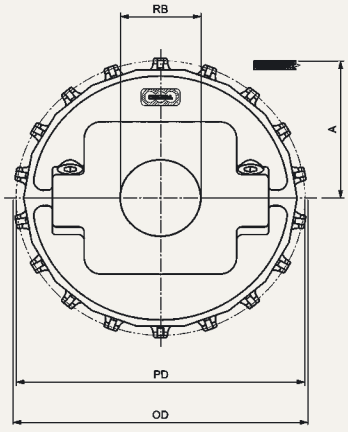
(for 19T & 20T see next page)



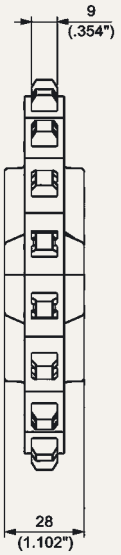
SQUARE BORE - DRIVE/IDLER



ROUND BORE - DRIVE



ROUND BORE - IDLER



SIDE VIEW – 9 (.354") / 28 (1.102")

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ — DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**		DRIVE	IDLER	KG	LBS
16	130,20	5.126	130,10	5.122	60,70	2.390	30			MPBST10101630	MPBSF10101630	0,27	0.59
							35			MPBST10101635	MPBSF10101635	0,26	0.58
							40		MPBSQ10101640	MPBST10101640	MPBSF10101640	0,25	0.56
							45			MPBST10101645	MPBSF10101645	0,25	0.54
							50		MPBSQ10101650	MPBST10101650	MPBSF10101650	0,24	0.52
							60		MPBSQ10101660			0,19	0.42
								1		MPBST101016254	MPBSF101016254	0,27	0.61
								1-3/16		MPBST101016301	MPBSF101016301	0,27	0.59
								1-1/4		MPBST101016317	MPBSF101016317	0,27	0.59
								1-7/16		MPBST101016365	MPBSF101016365	0,26	0.57
								1-1/2	MPBSQ101016381	MPBST101016381	MPBSF101016381	0,26	0.57
18	146,27	5.759	146,50	5.768	68,80	2.709	30			MPBST10101830	MPBSF10101830	0,32	0.71
							35			MPBST10101835	MPBSF10101835	0,32	0.70
							40		MPBSQ10101840	MPBST10101840	MPBSF10101840	0,31	0.68
							45			MPBST10101845	MPBSF10101845	0,30	0.66
							50		MPBSQ10101850	MPBST10101850	MPBSF10101850	0,29	0.64
							60		MPBSQ10101860	MPBST10101860	MPBSF10101860	0,27	0.59
								1		MPBST101018254	MPBSF101018254	0,33	0.72
								1-3/16		MPBST101018301	MPBSF101018301	0,32	0.71
								1-1/4		MPBST101018317	MPBSF101018317	0,32	0.71
								1-7/16		MPBST101018365	MPBSF101018365	0,31	0.69
								1-1/2	MPBSQ101018381	MPBST101018381	MPBSF101018381	0,31	0.69
								2		MPBST101018508	MPBSF101018508	0,29	0.63

*In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.
** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

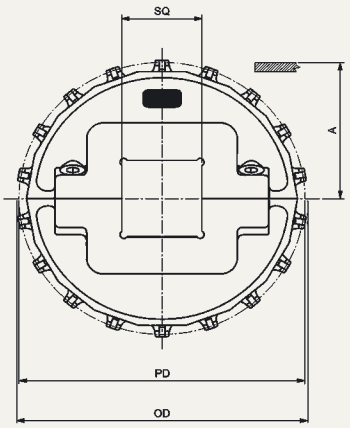
COMPONENT	CODE	MATERIAL
SPROCKETS	PGF	REINFORCED POLYAMIDE
SCREW	SS	STAINLESS STEEL
NUTS	S+NC	ZINC PLATED STEEL



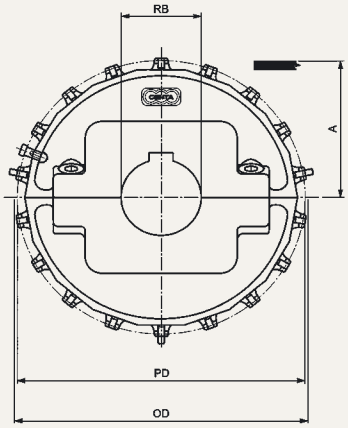
MOULDED SPLIT SQUARE BORE DRIVE SPROCKET

19T & 20T SPROCKETS

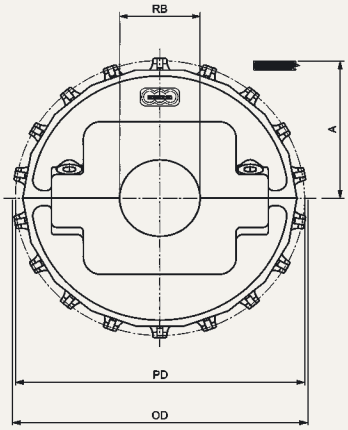
(for 16T & 18T see previous page)



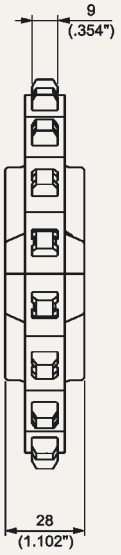
SQUARE BORE – DRIVE/IDLER (SQ, A, PD, OD)



ROUND BORE – DRIVE (RB, A, PD, OD)



ROUND BORE – IDLER (RB, A, PD, OD)



EDGE VIEW – 9 MM (.354") TOOTH, 28 MM (1.102") HUB

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB – DRIVE	ROUND BORE RB – IDLER	KG	LBS
19	154,32	6.076	154,60	6.087	72,80	2.866	30			MPBST10101930	MPBSF10101930	0,33	0.72
19	154,32	6.076	154,60	6.087	72,80	2.866	35			MPBST10101935	MPBSF10101935	0,32	0.71
19	154,32	6.076	154,60	6.087	72,80	2.866	40		MPBSQ10101940	MPBST10101940	MPBSF10101940	0,31	0.69
19	154,32	6.076	154,60	6.087	72,80	2.866	45			MPBST10101945	MPBSF10101945	0,30	0.67
19	154,32	6.076	154,60	6.087	72,80	2.866	50		MPBSQ10101950	MPBST10101950	MPBSF10101950	0,30	0.65
19	154,32	6.076	154,60	6.087	72,80	2.866	60		MPBSQ10101960	MPBST10101960	MPBSF10101960	0,27	0.61
19	154,32	6.076	154,60	6.087	72,80	2.866		1		MPBST101019254	MPBSF101019254	0,35	0.77
19	154,32	6.076	154,60	6.087	72,80	2.866		1-3/16		MPBST101019301	MPBSF101019301	0,33	0.72
19	154,32	6.076	154,60	6.087	72,80	2.866		1-1/4		MPBST101019317	MPBSF101019317	0,32	0.71
19	154,32	6.076	154,60	6.087	72,80	2.866		1-7/16		MPBST101019365	MPBSF101019365	0,32	0.70
19	154,32	6.076	154,60	6.087	72,80	2.866		1-1/2	MPBSQ101019381	MPBST101019381	MPBSF101019381	0,32	0.70
19	154,32	6.076	154,60	6.087	72,80	2.866		2		MPBST101019508	MPBSF101019508	0,28	0.62
19	154,32	6.076	154,60	6.087	72,80	2.866		2-1/2	MPBSQ101019635			0,25	0.54
20	162,37	6.393	162,80	6.409	76,80	3.024	30			MPBST10102030	MPBSF10102030	0,35	0.78
20	162,37	6.393	162,80	6.409	76,80	3.024	35			MPBST10102035	MPBSF10102035	0,35	0.77
20	162,37	6.393	162,80	6.409	76,80	3.024	40		MPBSQ10102040	MPBST10102040	MPBSF10102040	0,34	0.75
20	162,37	6.393	162,80	6.409	76,80	3.024	50			MPBST10102050	MPBSF10102050	0,32	0.71
20	162,37	6.393	162,80	6.409	76,80	3.024	60		MPBSQ10102060	MPBST10102060	MPBSF10102060	0,30	0.66
20	162,37	6.393	162,80	6.409	76,80	3.024	65		MPBSQ10102065			0,26	0.58
20	162,37	6.393	162,80	6.409	76,80	3.024		1		MPBST101020254	MPBSF101020254	0,36	0.79
20	162,37	6.393	162,80	6.409	76,80	3.024		1-3/16		MPBST101020301	MPBSF101020301	0,35	0.78
20	162,37	6.393	162,80	6.409	76,80	3.024		1-1/4		MPBST101020317	MPBSF101020317	0,35	0.78
20	162,37	6.393	162,80	6.409	76,80	3.024		1-7/16		MPBST101020365	MPBSF101020365	0,35	0.76
20	162,37	6.393	162,80	6.409	76,80	3.024		1-1/2	MPBSQ101020381	MPBST101020381	MPBSF101020381	0,34	0.76
20	162,37	6.393	162,80	6.409	76,80	3.024		2		MPBST101020508	MPBSF101020508	0,32	0.71
20	162,37	6.393	162,80	6.409	76,80	3.024		2-1/2	MPBSQ101020635			0,27	0.59

**In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS

SPROCKETS - 1010 SERIES

SUITABLE FOR CHAINS

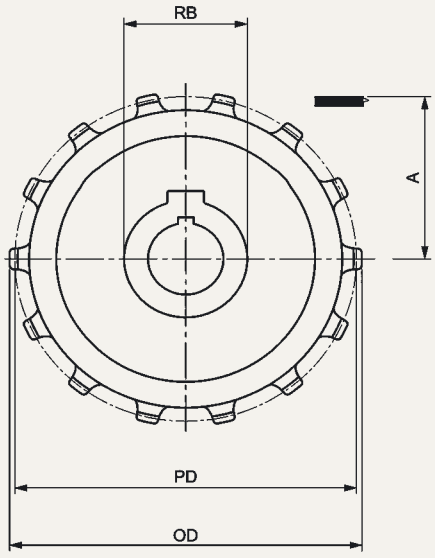
- 1500 / 1501
- 1600
- HF 1600
- HFS 1600
- RR 1500
- RR 1600
- 1110

MATERIALS

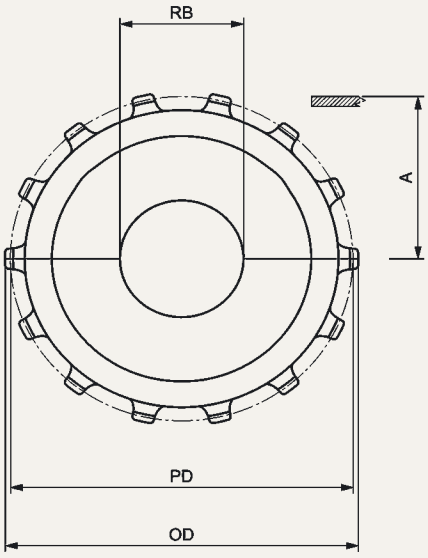
COMPONENT	CODE	MATERIAL
SPROCKETS	PA	POLYAMIDE
SCREWS	SS	STAINLESS STEEL
NUTS	B	BRASS



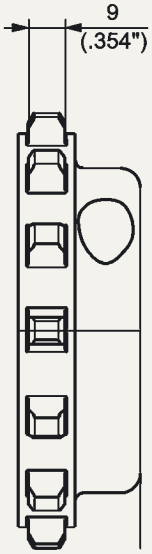
MACHINED SPLIT ROUND BORE SPROCKET



ROUND BORE – DRIVE (RB, A, PD, OD)



ROUND BORE – IDLER (RB, A, PD, OD)



EDGE VIEW – 9 MM (.354") TOOTH, 30 MM (1.181") HUB

REGINA

1” PITCH LIGHT DUTY BELTS & CHAINS (CONT.)



MOULDED SOLID IDLER WHEELS – SEE PAGE 124



MOULDED SPLIT IDLER WHEELS – SEE PAGE 194



MACHINED SPLIT IDLER WHEELS – SEE PAGE 126

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER – ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE	IDLER	KG	LBS
14	114,15	4.494	114,40	4.504	52,70	2.075	25		MPBAST10101425	MPBASF10101425	0,26	0.57
14	114,15	4.494	114,40	4.504	52,70	2.075	30		MPBAST10101430	MPBASF10101430	0,25	0.55
14	114,15	4.494	114,40	4.504	52,70	2.075	35		MPBAST10101435	MPBASF10101435	0,24	0.53
14	114,15	4.494	114,40	4.504	52,70	2.075	40		MPBAST10101440	MPBASF10101440	0,23	0.51
14	114,15	4.494	114,40	4.504	52,70	2.075		1	MPBAST101014254	MPBASF101014254	0,26	0.56
14	114,15	4.494	114,40	4.504	52,70	2.075		1-3/16	MPBAST101014301	MPBASF101014301	0,25	0.55
14	114,15	4.494	114,40	4.504	52,70	2.075		1-1/4	MPBAST101014317	MPBASF101014317	0,25	0.54
14	114,15	4.494	114,40	4.504	52,70	2.075		1-7/16	MPBAST101014365	MPBASF101014365	0,24	0.52
14	114,15	4.494	114,40	4.504	52,70	2.075		1-1/2	MPBAST101014381	MPBASF101014381	0,23	0.52

**Diameter is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

¾” PITCH MEDIUM DUTY

MATVEYOR

¾” Pitch Medium Duty Belts & Chains

REGINA

¾" PITCH MEDIUM DUTY BELTS & CHAINS

7300 SERIES CHAINS – 8,7 MM (0.343") THICKNESS, SOLID TOP (IMPERIAL STANDARD)

8,7 MM (0.343") THICKNESS - SOLID TOP

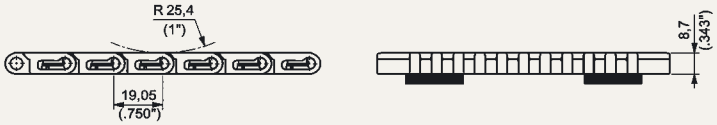
Extremely good flatness, manufacturing accuracy, and low coefficient of friction, make the side transfer of the products very easy.

Completely closed surface, no gap between the modules, even when engaging on the sprockets.

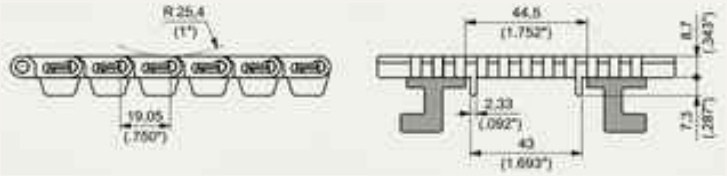
Particularly suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



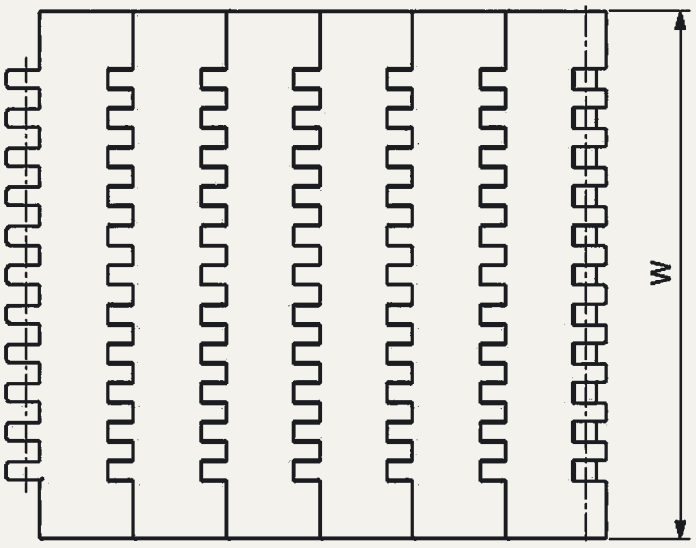
7300 SERIES SOLID TOP BELT



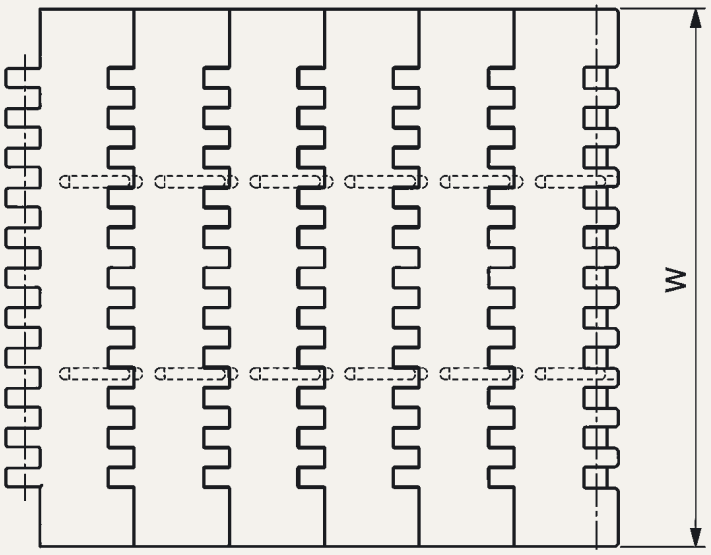
VERSION WITHOUT TRACKING GUIDE – SIDE VIEW: PITCH 19,05 MM (.750"), R 25,4 MM (1"), THICKNESS 8,7 MM (.343")



VERSION WITH TRACKING GUIDE – SIDE VIEW: PITCH 19,05 MM (.750"), R 25,4 MM (1"), 44,5 MM (1.752"), 43 MM (1.693"), 2,33 MM (.092"), 8,7 MM (.343"), 7,3 MM (.287")



VERSION WITHOUT TRACKING GUIDE – TOP VIEW, BELT WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – TOP VIEW, BELT WIDTH W, DIRECTION OF TRAVEL

¾" PITCH MEDIUM DUTY CHAINS - 7300 SERIES

MATERIALS		VERSION	ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN				MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	7300 UP 325	7300UPKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	7300 UP 450	7300UPKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	7300 UP 600	7300UPKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITHOUT TRACKING GUIDE	7300 UP 750	7300UPKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITHOUT TRACKING GUIDE	7300 D2K 325	7300D2KKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITHOUT TRACKING GUIDE	7300 D2K 450	7300D2KKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITHOUT TRACKING GUIDE	7300 D2K 600	7300D2KKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS (CONT.)

¾” PITCH MEDIUM DUTY CHAINS - 7300 SERIES (CONT.)

MATERIALS		VERSION	ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN				MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITHOUT TRACKING GUIDE	7300 D2K 750	7300D2KKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITHOUT TRACKING GUIDE	7300 EF 325	7300EFKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITHOUT TRACKING GUIDE	7300 EF 450	7300EFKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITHOUT TRACKING GUIDE	7300 EF 600	7300EFKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITHOUT TRACKING GUIDE	7300 EF 750	7300EFKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITH TRACKING GUIDE	7300G UP 325	7300GUPKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITH TRACKING GUIDE	7300G UP 450	7300GUPKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITH TRACKING GUIDE	7300G UP 600	7300GUPKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® UP	PBT	WITH TRACKING GUIDE	7300G UP 750	7300GUPKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITH TRACKING GUIDE	7300G D2K 325	7300GD2KKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITH TRACKING GUIDE	7300G D2K 450	7300GD2KKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITH TRACKING GUIDE	7300G D2K 600	7300GD2KKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01
SPECIAL DELRIN® REINFORCED WITH KEVLAR®™	PBT	WITH TRACKING GUIDE	7300G D2K 750	7300GD2KKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITH TRACKING GUIDE	7300G EF 325	7300GEFKD/000	82,6	3.25	8,7	0.343	2300	517	0,84	0.57
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITH TRACKING GUIDE	7300G EF 450	7300GEFKG/000	114,3	4.50	8,7	0.343	3290	740	1,15	0.77
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITH TRACKING GUIDE	7300G EF 600	7300GEFKH/000	152,4	6.00	8,7	0.343	4370	982	1,51	1.01
ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)	PBT	WITH TRACKING GUIDE	7300G EF 750	7300GEFKL/000	190,5	7.50	8,7	0.343	5450	1225	1,87	1.26

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

7300 SERIES – 8,7 MM (0.343") THICKNESS, SOLID TOP (IMPERIAL STANDARD)

8,7 MM (0.343") THICKNESS - SOLID TOP

This belt offers a smooth surface to provide excellent support and minimize product tippage. Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).

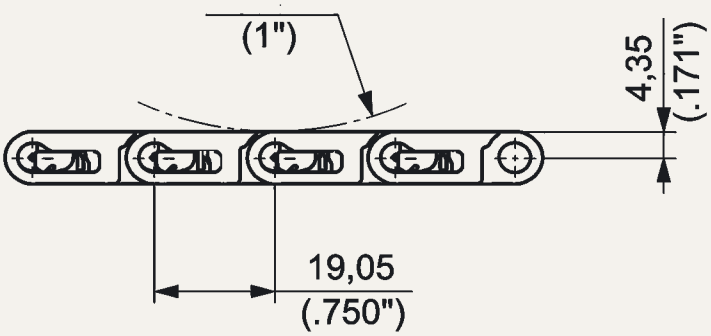


7300 SERIES SOLID TOP BELT

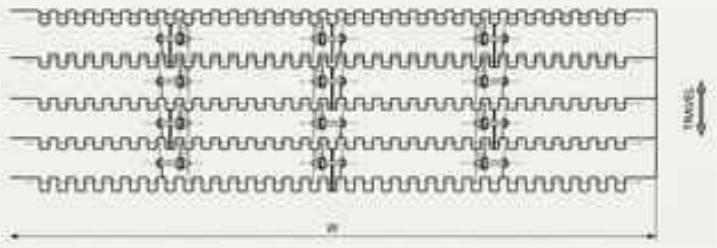
- **Belt widths:** 228,6 mm (9”) or wider in 76,2 mm (3’’) increments
- **Working Load (at 25°C/77°F):** 30000 N/m (2,056 lbs/ft) for UP, D2K and EF materials
- **Belt weight:** 9,36 kg/m² (1.92 lbs/ft²) for UP, D2K and EF materials



BELT CROSS SECTION – 8,7 MM (.343") THICKNESS



PITCH 19,05 MM (.750"), R 25,4 MM (1"), 4,35 MM (.171")



PLAN VIEW OF BELT, WIDTH W, DIRECTION OF TRAVEL

¾” PITCH MEDIUM DUTY BELTS - 7300 SERIES

WIDTH W		MATERIALS – MODULE		
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® PART NUMBER	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR® PART NUMBER	EF – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW) PART NUMBER
228,6	9	7300UP009	7300D2K009	7300EF009
304,8	12	7300UP012	7300D2K012	7300EF012
381,0	15	7300UP015	7300D2K015	7300EF015
457,2	18	7300UP018	7300D2K018	7300EF018
533,4	21	7300UP021	7300D2K021	7300EF021

Pin material: PBT.
Belts wider than 1524 mm (60’’) are available in 76,2 mm (3’’) increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width. Example: for a 63" wide belt (=60+3 inches) the PN for UP material is “7300UP063”.
Standard packaging: Belts are supplied in the length requested by the customer.

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS (CONT.)

¾” PITCH MEDIUM DUTY BELTS - 7300 SERIES (CONT.)

WIDTH W		MATERIALS – MODULE		
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® PART NUMBER	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR® PART NUMBER	EF – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW) PART NUMBER
609,6	24	7300UP024	7300D2K024	7300EF024
685,8	27	7300UP027	7300D2K027	7300EF027
762,0	30	7300UP030	7300D2K030	7300EF030
838,2	33	7300UP033	7300D2K033	7300EF033
914,4	36	7300UP036	7300D2K036	7300EF036
990,6	39	7300UP039	7300D2K039	7300EF039
1066,8	42	7300UP042	7300D2K042	7300EF042
1143,0	45	7300UP045	7300D2K045	7300EF045
1219,2	48	7300UP048	7300D2K048	7300EF048
1295,4	51	7300UP051	7300D2K051	7300EF051
1371,6	54	7300UP054	7300D2K054	7300EF054
1447,8	57	7300UP057	7300D2K057	7300EF057
1524,0	60	7300UP060	7300D2K060	7300EF060

REGINA

¾" PITCH MEDIUM DUTY BELTS & CHAINS

7300G ATM SERIES – ACTIVE TRANSFER MODULES (IMPERIAL STANDARD)

ACTIVE TRANSFER MODULES - 8,7 MM (0.343") THICKNESS, SOLID TOP

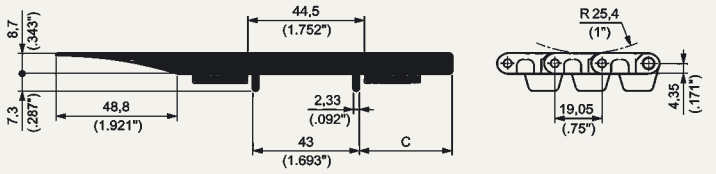
7300G ATM can be used in combination with 7300 modular belts. Active transfer modules 7300G ATM allow the transfer of products between two 90° conveyor tracks without using dead plates.

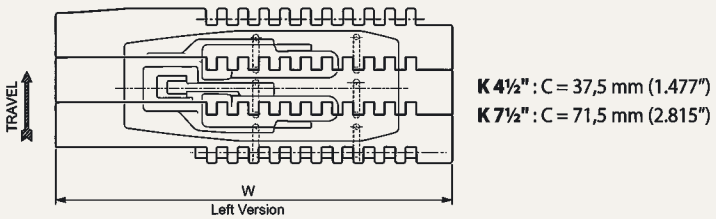
The special wing shaped module profile supports the products dynamically during transfer on the take-away belts.

Available left and right version.

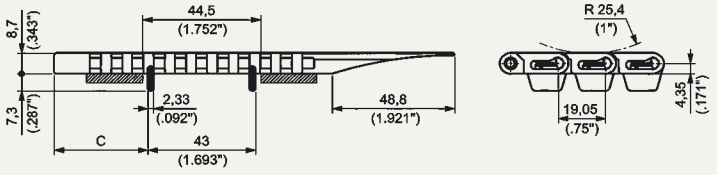


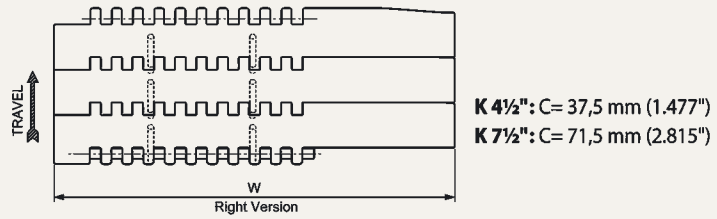
7300G ATM ACTIVE TRANSFER MODULE BELT





LEFT VERSION – SECTION AND PLAN VIEW: 8,7 (.343"), 7,3 (.287"), 48,8 (1.921"), 44,5 (1.752"), 43 (1.693"), 2,33 (.092"), C, R 25,4 (1"), 19,05 (.75"), 4,35 (.171"), WIDTH W, TRAVEL. K 4½": C= 37,5 MM (1.477"); K 7½": C= 71,5 MM (2.815")





RIGHT VERSION – SECTION AND PLAN VIEW: 8,7 (.343"), 7,3 (.287"), 48,8 (1.921"), 44,5 (1.752"), 43 (1.693"), 2,33 (.092"), C, R 25,4 (1"), 19,05 (.75"), 4,35 (.171"), WIDTH W, TRAVEL. K 4½": C= 37,5 MM (1.477"); K 7½": C= 71,5 MM (2.815")

7300G ATM - LEFT VERSION

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®									
7300GATM UP 450 LH	7300GATMUP450LH	160,0	6.30	8,7	0.343	3290	740	1,28	0.86
7300GATM UP 750 LH	7300GATMUP750LH	236,2	9.30	8,7	0.343	4370	982	1,99	1.34
D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR®									
7300GATM D2K 450 LH	7300GATMD2K450LH	160,0	6.30	8,7	0.343	3290	740	1,28	0.86
7300GATM D2K 750 LH	7300GATMD2K750LH	236,2	9.30	8,7	0.343	4370	982	1,99	1.34
EF – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)									
7300GATM EF 450 LH	7300GATMEF450LH	160,0	6.30	8,7	0.343	3290	740	1,28	0.86
7300GATM EF 750 LH	7300GATMEF750LH	236,2	9.30	8,7	0.343	4370	982	1,99	1.34

Pin material: PBT.

7300G ATM - RIGHT VERSION

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®									
7300GATM UP 450 RH	7300GATMUP450RH	160,0	6.30	8,7	0.343	3290	740	1,28	0.86
7300GATM UP 750 RH	7300GATMUP750RH	236,2	9.30	8,7	0.343	4370	982	1,99	1.34
D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR®									
7300GATM D2K 450 RH	7300GATMD2K450RH	160,0	6.30	8,7	0.343	3290	740	1,28	0.86
7300GATM D2K 750 RH	7300GATMD2K750RH	236,2	9.30	8,7	0.343	4370	982	1,99	1.34
EF – ECOLOGICAL FRICTION ABATING THERMOPLASTIC (NEW)									

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

7200 SERIES CHAINS – 8,7 MM (0.343") THICKNESS, FLUSH GRID (IMPERIAL STANDARD)

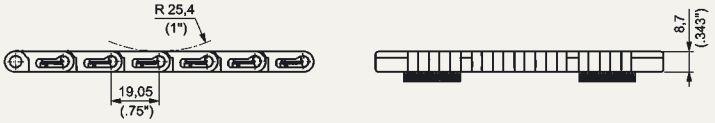
8,7 MM (0.343") THICKNESS - FLUSH GRID

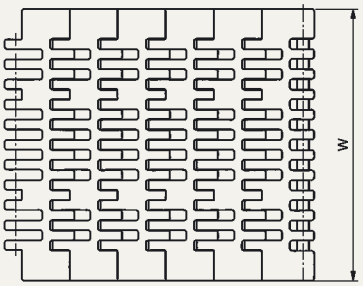
This belt has an excellent combination of open and support areas to allow drainage of liquids and good support of the conveyed product.

This belt is particularly suitable for conveying of aluminium cans.

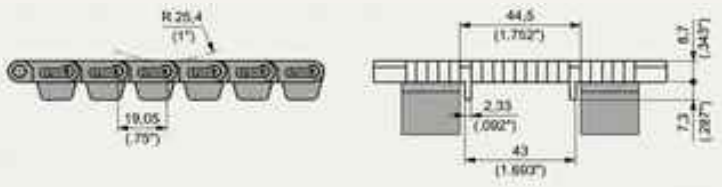


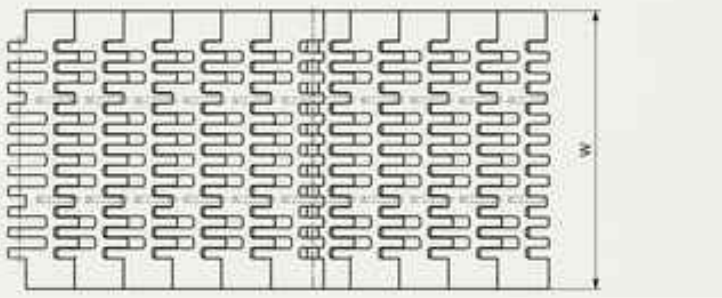
7200 SERIES FLUSH GRID BELT





VERSION WITHOUT TRACKING GUIDE – R 25,4 (1"), 19,05 (.75"), 8,7 (.343"), WIDTH W, TRAVEL





VERSION WITH TRACKING GUIDE – R 25,4 (1"), 19,05 (.75"), 44,5 (1.752"), 43 (1.693"), 2,33 (.092"), 8,7 (.343"), 7,3 (.287"), WIDTH W, TRAVEL

¾” PITCH MEDIUM DUTY CHAINS - 7200 SERIES

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
WITHOUT TRACKING GUIDE — UP: ULTRA PERFORMANCE HOMOPOLYMER DELRIN®									
7200 UP 325	7200UPKD/000	82,6	3.25	8,7	0.343	2300	517	0,80	0.54
7200 UP 450	7200UPKG/000	114,3	4.50	8,7	0.343	3290	740	1,08	0.72
7200 UP 600	7200UPKH/000	152,4	6.00	8,7	0.343	4370	982	1,41	0.95
7200 UP 750	7200UPKL/000	190,5	7.50	8,7	0.343	5450	1225	1,74	1.17
WITHOUT TRACKING GUIDE — D2K: SPECIAL DELRIN® REINFORCED WITH KEVLAR®									
7200 D2K 325	7200D2KKD/000	82,6	3.25	8,7	0.343	2300	517	0,80	0.54
7200 D2K 450	7200D2KKG/000	114,3	4.50	8,7	0.343	3290	740	1,08	0.72
7200 D2K 600	7200D2KKH/000	152,4	6.00	8,7	0.343	4370	982	1,41	0.95
7200 D2K 750	7200D2KKL/000	190,5	7.50	8,7	0.343	5450	1225	1,74	1.17
WITH TRACKING GUIDE — UP: ULTRA PERFORMANCE HOMOPOLYMER DELRIN®									
7200G UP 325	7200GUPKD/000	82,6	3.25	8,7	0.343	2300	517	0,80	0.54
7200G UP 450	7200GUPKG/000	114,3	4.50	8,7	0.343	3290	740	1,08	0.72
7200G UP 600	7200GUPKH/000	152,4	6.00	8,7	0.343	4370	982	1,41	0.95
7200G UP 750	7200GUPKL/000	190,5	7.50	8,7	0.343	5450	1225	1,74	1.17
WITH TRACKING GUIDE — D2K: SPECIAL DELRIN® REINFORCED WITH KEVLAR®									

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

7200 SERIES – 8,7 MM (0.343") THICKNESS, FLUSH GRID (IMPERIAL STANDARD)

8,7 MM (0.343") THICKNESS - FLUSH GRID

This belt has an excellent combination of open and support areas to allow drainage of liquids and good support of the conveyed product. This belt is particularly suitable for conveying of aluminium cans.

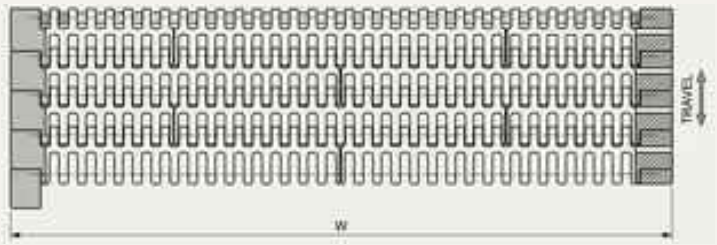


7200 SERIES FLUSH GRID BELT

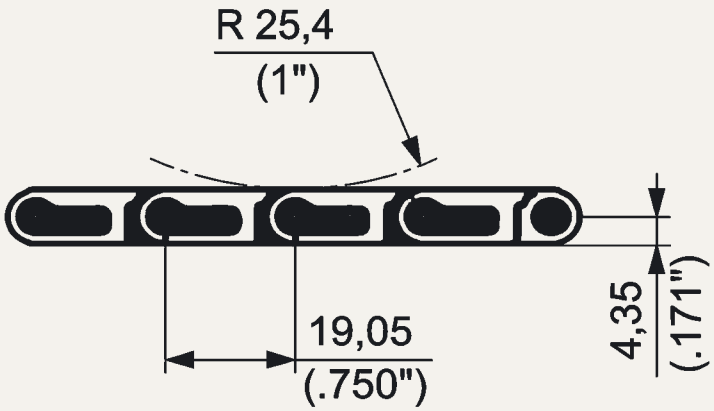
- **Belt widths:** 228,6 mm (9″) or wider in 76,2 mm (3″) increments
- **Working Load (at 25°C/77°F):** 30000 N/m (2,056 lbs/ft) for UP and D2K materials
- **Belt weight:** 8,46 kg/m² (1.73 lbs/ft²) for UP and D2K materials



BELT CROSS SECTION – 8,7 MM (.343") THICKNESS



PLAN VIEW OF BELT, WIDTH W, DIRECTION OF TRAVEL



PITCH 19,05 MM (.750"), R 25,4 MM (1"), 4,35 MM (.171")

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS (CONT.)

¾” PITCH MEDIUM DUTY BELTS - 7200 SERIES

WIDTH W		MATERIALS – MODULE	
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® PART NUMBER	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR® PART NUMBER
228,6	9	7200UP009	7200D2K009
304,8	12	7200UP012	7200D2K012
381,0	15	7200UP015	7200D2K015
457,2	18	7200UP018	7200D2K018
533,4	21	7200UP021	7200D2K021

Pin material: PBT.
Belts wider than 1524 mm (60’’) are available in 76,2 mm (3’’) increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width. Example: for a 63" wide belt (=60+3 inches) the PN for UP material is “7200UP063”.
Standard packaging: Belts are supplied in the length requested by the customer.

¾” PITCH MEDIUM DUTY BELTS - 7200 SERIES (CONT.)

WIDTH W		MATERIALS – MODULE	
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® PART NUMBER	D2K – SPECIAL DELRIN® REINFORCED WITH KEVLAR® PART NUMBER
609,6	24	7200UP024	7200D2K024
685,8	27	7200UP027	7200D2K027
762,0	30	7200UP030	7200D2K030
838,2	33	7200UP033	7200D2K033
914,4	36	7200UP036	7200D2K036
990,6	39	7200UP039	7200D2K039
1066,8	42	7200UP042	7200D2K042
1143,0	45	7200UP045	7200D2K045
1219,2	48	7200UP048	7200D2K048
1295,4	51	7200UP051	7200D2K051
1371,6	54	7200UP054	7200D2K054
1447,8	57	7200UP057	7200D2K057
1524,0	60	7200UP060	7200D2K060

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

SPROCKETS - 7300 SERIES

SUITABLE FOR CHAINS

- 7200
- 7300

MATERIALS

Sprockets: **PGF** Reinforced Polyamide

Screw: **SS** Stainless Steel

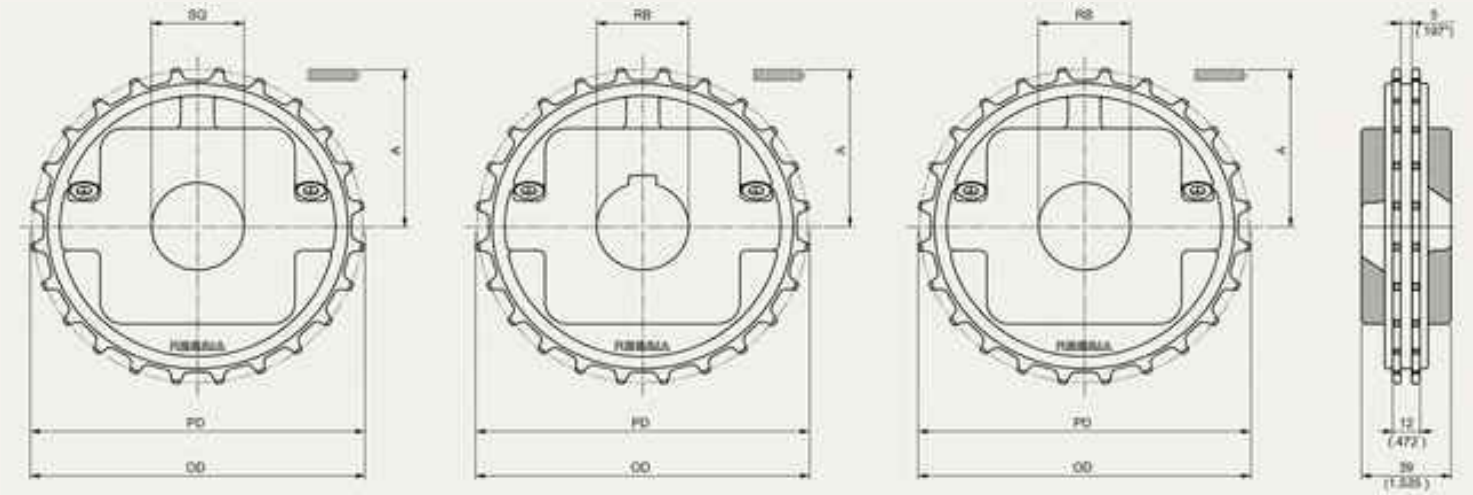
Nuts: **S+ZN** Zinc Plated Steel



7300 SERIES MOULDED SPLIT SPROCKET – ROUND BORE

24T & 25T SPROCKETS

(for 27T see next page)



24T & 25T MOULDED SPLIT SPROCKETS – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 39 (1.535")

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
24	145,95	5.746	146,00	5.748	68,60	2.701	30			MPBST73002430	MPBSF73002430	0,41	0.91
							35			MPBST73002435	MPBSF73002435	0,41	0.90
							40		MPBSQ73002440	MPBST73002440	MPBSF73002440	0,40	0.88
							45			MPBST73002445	MPBSF73002445	0,39	0.86
							50		MPBSQ73002450	MPBST73002450	MPBSF73002450	0,38	0.83
							60			MPBST73002460	MPBSF73002460	0,35	0.78

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS (CONT.)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
	1	MPBSQ730024254	MPBST730024254	MPBSF730024254	0,42	0.93							
	1-3/16		MPBST730024301	MPBSF730024301	0,41	0.91							
	1¼		MPBST730024317	MPBSF730024317	0,41	0.91							
	1-7/16		MPBST730024365	MPBSF730024365	0,40	0.89							
	1½	MPBSQ730024381	MPBST730024381	MPBSF730024381	0,40	0.88							
	2	MPBSQ730024508	MPBST730024508	MPBSF730024508	0,38	0.83							
	2½	MPBSQ730024635	MPBST730024635	MPBSF730024635	0,34	0.76							
25	152,99	6.023	152,00	5.984	71,70	2.823	30			MPBST73002530	MPBSF73002530	0,43	0.94
							35			MPBST73002535	MPBSF73002535	0,42	0.93
							40		MPBSQ73002540	MPBST73002540	MPBSF73002540	0,41	0.91
							45			MPBST73002545	MPBSF73002545	0,40	0.89
							50		MPBSQ73002550	MPBST73002550	MPBSF73002550	0,39	0.86
							60			MPBST73002560	MPBSF73002560	0,37	0.81
								1	MPBSQ730025254	MPBST730025254	MPBSF730025254	0,43	0.96
								1-3/16		MPBST730025301	MPBSF730025301	0,43	0.94
								1¼		MPBST730025317	MPBSF730025317	0,43	0.94
								1-7/16		MPBST730025365	MPBSF730025365	0,42	0.92
								1½	MPBSQ730025381	MPBST730025381	MPBSF730025381	0,42	0.92
								2	MPBSQ730025508	MPBST730025508	MPBSF730025508	0,39	0.86
								2½	MPBSQ730025635	MPBST730025635	MPBSF730025635	0,36	0.79

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

SPROCKETS - 7300 SERIES

SUITABLE FOR CHAINS

- 7200
- 7300

MATERIALS

Sprockets: **PGF** Reinforced Polyamide

Screw: **SS** Stainless Steel

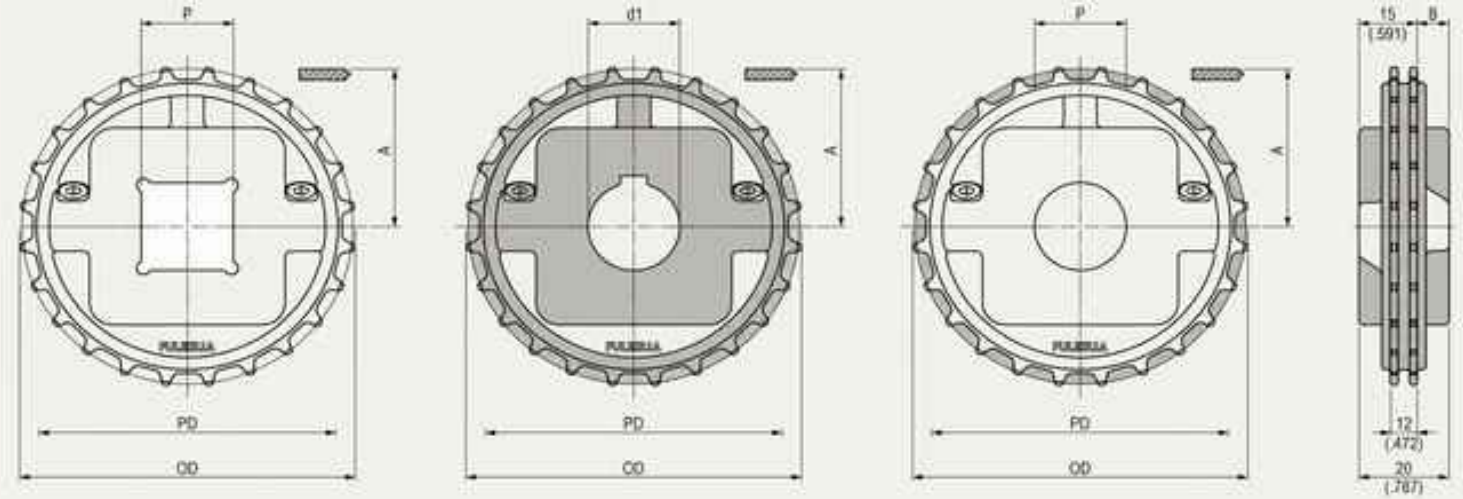
Nuts: **S+ZN** Zinc Plated Steel



7300 SERIES MOULDED SPLIT SPROCKET – ROUND BORE

27T SPROCKET

(for 24T & 25T see previous page)



27T MOULDED SPLIT SPROCKET – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 39 (1.535")

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS (CONT.)



MOULDED SOLID IDLER WHEELS – SEE PAGE 124



MOULDED SPLIT IDLER WHEELS – SEE PAGE 194



MACHINED SPLIT IDLER WHEELS – SEE PAGE 126

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
27	164,09	6.460	164,20	6.465	77,70	3.059	30			MPBST73002730	MPBSF73002730	0,46	1.01
							35			MPBST73002735	MPBSF73002735	0,45	0.99
							40		MPBSQ73002740	MPBST73002740	MPBSF73002740	0,44	0.97
							45			MPBST73002745	MPBSF73002745	0,43	0.95
							50		MPBSQ73002750	MPBST73002750	MPBSF73002750	0,42	0.93
							60			MPBST73002760	MPBSF73002760	0,40	0.87
								1	MPBSQ730027254	MPBST730027254	MPBSF730027254	0,46	1.02
								1-3/16		MPBST730027301	MPBSF730027301	0,46	1.01
								1¼		MPBST730027317	MPBSF730027317	0,46	1.01
								1-7/16		MPBST730027365	MPBSF730027365	0,45	0.99
								1½	MPBSQ730027381	MPBST730027381	MPBSF730027381	0,45	0.98
								2	MPBSQ730027508	MPBST730027508	MPBSF730027508	0,42	0.93
								2½	MPBSQ730027635	MPBST730027635	MPBSF730027635	0,39	0.85

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

¾” PITCH MEDIUM DUTY BELTS & CHAINS

SPROCKETS - 7300 SERIES

SUITABLE FOR CHAINS

- 7200
- 7300

MATERIALS

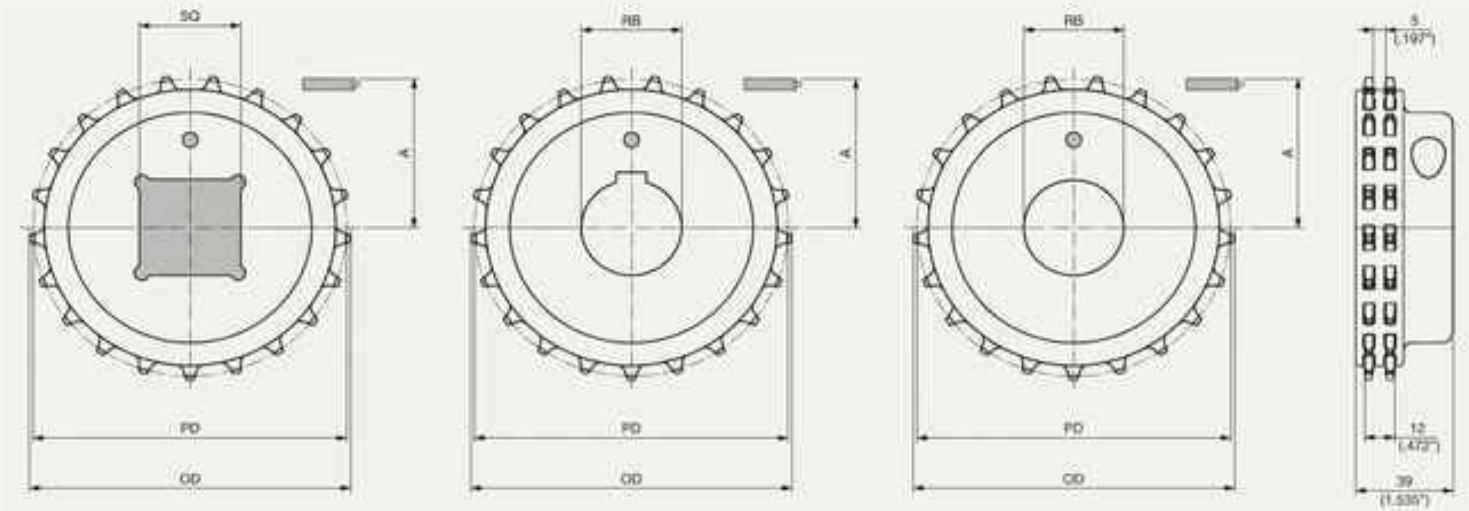
Sprockets: **PA** Polyamide

Screws: **SS** Stainless Steel

Nuts: **B** Brass



7300 SERIES MACHINED SPLIT SPROCKET – ROUND BORE



MACHINED SPLIT SPROCKETS – SQUARE BORE DRIVE/IDLER, ROUND BORE DRIVE, ROUND BORE IDLER AND SIDE VIEW: SQ, RB, PD, OD, A, 5 (.197"), 12 (.472"), 39 (1.535")

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
17	103,67	4.081	103,60	4.079	47,50	1.870	25			MPBAST73001725	MPBASF73001725	0,25	0.54
							30			MPBAST73001730	MPBASF73001730	0,24	0.52
							35			MPBAST73001735	MPBASF73001735	0,23	0.50
							40		MPBASQ73001740	MPBAST73001740	MPBASF73001740	0,21	0.47
								1	MPBASQ730017254	MPBAST730017254	MPBASF730017254	0,25	0.54
								1-3/16		MPBAST730017301	MPBASF730017301	0,24	0.52
								1¼		MPBAST730017317	MPBASF730017317	0,23	0.52
								1-3/8		MPBAST730017349	MPBASF730017349	0,23	0.50
								1-7/16		MPBAST730017365	MPBASF730017365	0,22	0.49
								1½	MPBSQ730017381	MPBAST730017381	MPBASF730017381	0,22	0.48
							25			MPBAST73002125	MPBASF73002125	0,42	0.92
							30			MPBAST73002130	MPBASF73002130	0,41	0.90
							35			MPBAST73002135	MPBASF73002135	0,40	0.88

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

MATVEYOR

MATVEYOR

1″ Pitch Heavy Duty Belts & Chains

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

USPM SERIES – 12,7 MM (0.5") THICKNESS, SOLID TOP

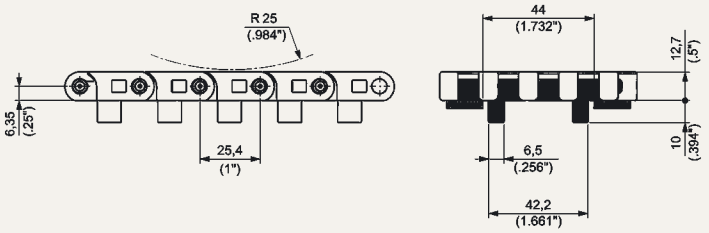
12,7 MM (0.5") THICKNESS - SOLID TOP

The extremely good flatness, manufacturing accuracy and low coefficient of friction make the side transfer of the products very easy.

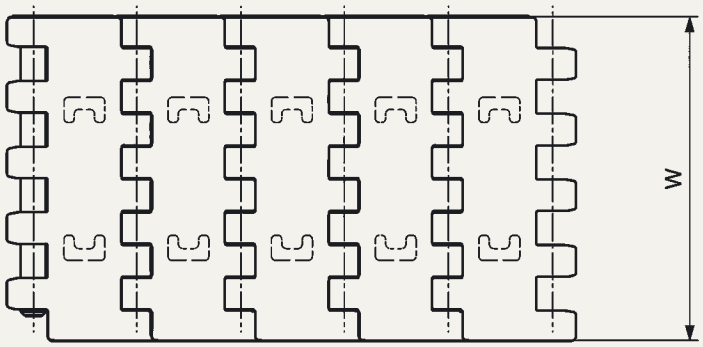
Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



USPM SERIES SOLID TOP CHAIN



SIDE VIEW AND SECTION: 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), 44 (1.732"), 42,2 (1.661"), 6,5 (.256"), 12,7 (.5"), 10 (.394")



TOP VIEW – WIDTH W, DIRECTION OF TRAVEL

1" PITCH HEAVY DUTY CHAINS - USPM SERIES (METRIC STANDARD)

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® — UP	PBT	USPMG UP K 83,8	USPMGUPKRA/000	83,8	3.30	12,7	0.50	2975	670	1,24	0.83
SPECIAL DELRIN® REINFORCED WITH KEVLAR® — D2K™	PBT	USPMG D2K K 83,8	USPMGD2KRA/000	83,8	3.30	12,7	0.50	2975	670	1,24	0.68
ABRASION RESISTANT POLYAMIDE(1) — AR	PBT	USPMG AR K 83,8	USPMGARKRA/000	83,8	3.30	12,7	0.50	2975	670	1,19	0.80

(1) Actual width can be up to 0,5% greater than nominal width.
Standard packaging: Rolls of 3,048 m (10 feet).

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

USPM SERIES BELTS AND CHAINS – 12,7 MM (0.5") THICKNESS, SOLID TOP

12,7 MM (0.5") THICKNESS - SOLID TOP

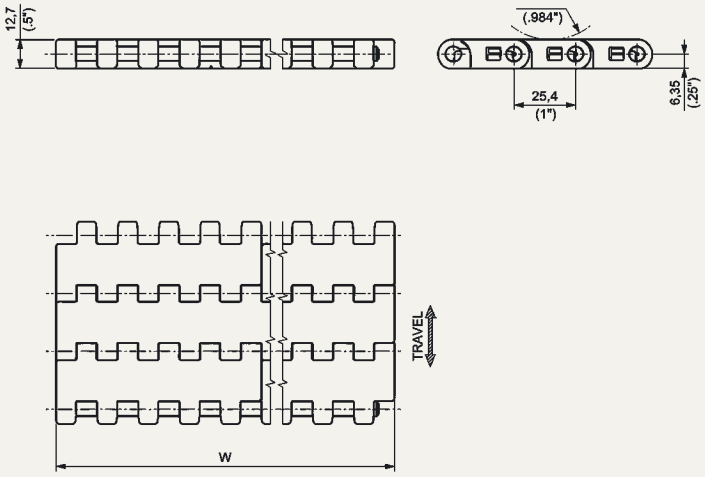
Extremely good flatness, manufacturing accuracy and low coefficient of friction make the side transfer of the products very easy.

Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).

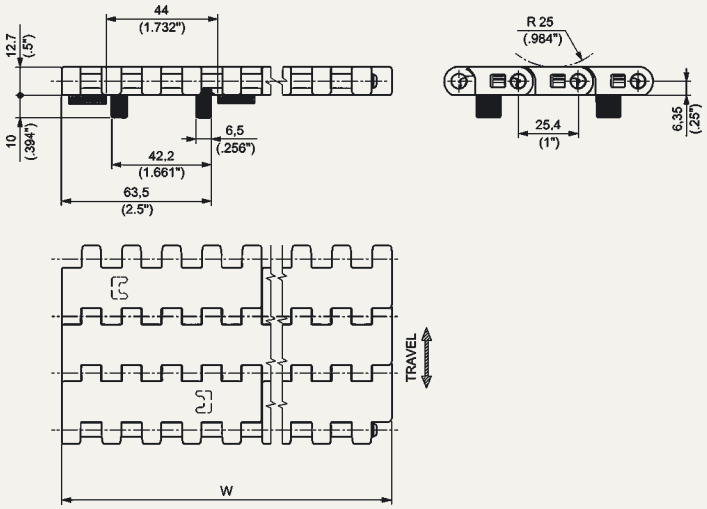
- **Belt widths:** 85 mm (3.34") or wider in 85 mm (3.34") increments
- **Working Load (at 25°C/77°F):** 35000 N/m (2400 lbs/ft) for UP, D2K™ and AR materials
- **Belt weight:** 14,11 kg/m² (2.89 lbs/ft²) for UP and D2K™ materials; 13,59 kg/m² (2.78 lbs/ft²) for AR material



USPM SERIES SOLID TOP BELT



VERSION WITHOUT TRACKING GUIDE – 12,7 (.5"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – 44 (1.732"), 42,2 (1.661"), 63,5 (2.5"), 6,5 (.256"), 12,7 (.5"), 10 (.394"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL

NOTE: The belt is also available with single tracking guide at both belt sides. Please contact REGINA customer service for further information.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

1" PITCH HEAVY DUTY BELTS AND CHAINS - USPM SERIES (METRIC STANDARD)

WIDTH W		MATERIALS – MODULE: ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)		MATERIALS – MODULE: SPECIAL DELRIN® REINFORCED WITH KEVLAR® (D2K™)		MATERIALS – MODULE: ABRASION RESISTANT POLYAMIDE[1] (AR)		PIN
MM	INCH	PART NO. WITHOUT TRACKING GUIDE	PART NO. WITH TRACKING GUIDE	PART NO. WITHOUT TRACKING GUIDE	PART NO. WITH TRACKING GUIDE	PART NO. WITHOUT TRACKING GUIDE	PART NO. WITH TRACKING GUIDE	
85	3.34	USPMUP0085	USPMGUP0085	USPMD2K0085	USPMGD2K0085	USPMAR0085	USPMGAR0085	PBT
170	6.69	USPMUP0170	USPMG1UP0170	USPMD2K0170	USPMG1D2K0170	USPMAR0170	USPMG1AR0170	PBT
255	10.04	USPMUP0255	USPMG1UP0255	USPMD2K0255	USPMG1D2K0255	USPMAR0255	USPMG1AR0255	PBT
340	13.39	USPMUP0340	USPMG1UP0340	USPMD2K0340	USPMG1D2K0340	USPMAR0340	USPMG1AR0340	PBT
425	16.73	USPMUP0425	USPMG1UP0425	USPMD2K0425	USPMG1D2K0425	USPMAR0425	USPMG1AR0425	PBT
510	20.08	USPMUP0510	USPMG1UP0510	USPMD2K0510	USPMG1D2K0510	USPMAR0510	USPMG1AR0510	PBT
595	23.43	USPMUP0595	USPMG1UP0595	USPMD2K0595	USPMG1D2K0595	USPMAR0595	USPMG1AR0595	PBT
680	26.77	USPMUP0680	USPMG1UP0680	USPMD2K0680	USPMG1D2K0680	USPMAR0680	USPMG1AR0680	PBT
765	30.12	USPMUP0765	USPMG1UP0765	USPMD2K0765	USPMG1D2K0765	USPMAR0765	USPMG1AR0765	PBT
850	33.46	USPMUP0850	USPMG1UP0850	USPMD2K0850	USPMG1D2K0850	USPMAR0850	USPMG1AR0850	PBT
935	36.81	USPMUP0935	USPMG1UP0935	USPMD2K0935	USPMG1D2K0935	USPMAR0935	USPMG1AR0935	PBT
1020	40.16	USPMUP1020	USPMG1UP1020	USPMD2K1020	USPMG1D2K1020	USPMAR1020	USPMG1AR1020	PBT

(1) Actual width can be up to 1% greater than nominal width.
Belts wider than 1020 mm (40.16") are available in 85 mm (3.35") increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for UP material is “USPMUP1105”.
Standard packaging: Belt widths ≤ 680 mm (26.77") are supplied in rolls of 3,048 m (10 ft) each.
Belt widths ≥ 765 mm (30.12") and ≤ 1020 mm (40.16") are supplied in rolls of 1,524 m (5 ft) each.
Belt widths ≥ 1105 mm (43.50") are supplied at the length requested by the customer.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

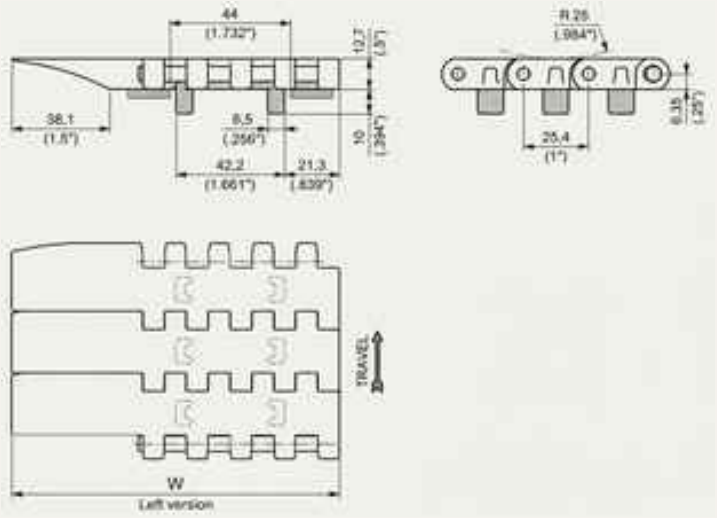
USPMG ATM SERIES ACTIVE TRANSFER MODULES – 12,7 MM (0.5") THICKNESS, SOLID TOP

ACTIVE TRANSFER MODULES - 12,7 MM (0.5") THICKNESS, SOLID TOP

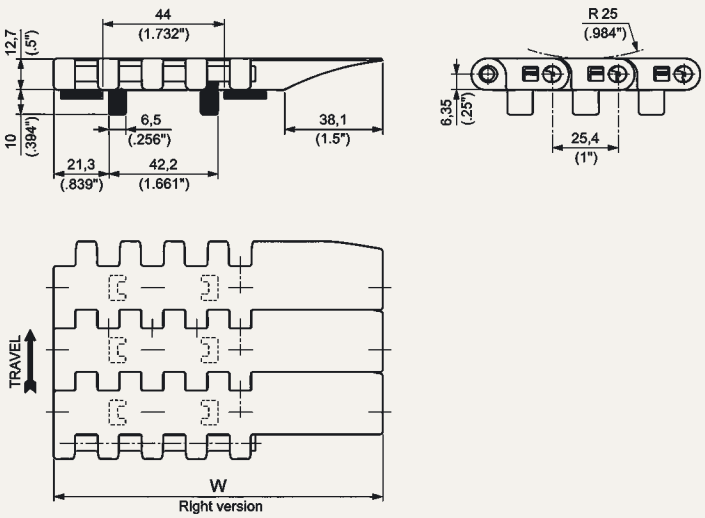
Extremely good flatness, manufacturing accuracy and low coefficient of friction make the side transfer of the products very easy. Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particulary suitable for glass products, small sized products and unstable containers (for example PET bottles with petaloid base).



USPMG ATM ACTIVE TRANSFER MODULE BELT



LEFT VERSION – 44 (1.732"), 42,2 (1.661"), 21,3 (.839"), 38,1 (1.5"), 6,5 (.256"), 12,7 (.5"), 10 (.394"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL



RIGHT VERSION – 44 (1.732"), 42,2 (1.661"), 21,3 (.839"), 38,1 (1.5"), 6,5 (.256"), 12,7 (.5"), 10 (.394"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL

USPMG ATM - LEFT VERSION

MATERIALS PLATE	PIN	ITEM DESCRIPTION	PART NUMBER	WIDTH W MM	WIDTH W INCH	PLATE THICKNESS MM	PLATE THICKNESS INCH	WORKING LOAD (25°C/77°F) N	WORKING LOAD (25°C/77°F) LBS	WEIGHT KG/M	WEIGHT LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® — UP	PBT	USPMGATM UP 0085 SX	USPMGATMUP085S	127,5	5.02	12,7	0.5	2975	669	1,55	1.04
SPECIAL DELRIN® REINFORCED WITH KEVLAR® — D2K™	PBT	USPMGATM D2K 0085 SX	USPMGATMD2K085S	127,5	5.02	12,7	0.5	2975	669	1,55	1.04
ABRASION RESISTANT POLYAMIDE(1) — AR	PBT	USPMGATM AR 0085 SX	USPMGATMAR085S	127,5	5.02	12,7	0.5	2975	669	1,50	1.01

USPMG ATM - RIGHT VERSION

MATERIALS PLATE	PIN	ITEM DESCRIPTION	PART NUMBER	WIDTH W MM	WIDTH W INCH	PLATE THICKNESS MM	PLATE THICKNESS INCH	WORKING LOAD (25°C/77°F) N	WORKING LOAD (25°C/77°F) LBS	WEIGHT KG/M	WEIGHT LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® — UP	PBT	USPMGATM UP 0085 DX	USPMGATMUP085D	127,5	5.02	12,7	0.5	2975	669	1,55	1.04
SPECIAL DELRIN® REINFORCED WITH KEVLAR® — D2K™	PBT	USPMGATM D2K 0085 DX	USPMGATMD2K085D	127,5	5.02	12,7	0.5	2975	669	1,55	1.04
ABRASION RESISTANT POLYAMIDE(1) — AR	PBT	USPMGATM AR 0085 DX	USPMGATMAR085D	127,5	5.02	12,7	0.5	2975	669	1,50	1.01

(1) Actual width can be up to 0,5% greater than nominal width.
Standard packaging: Rolls of 3,048 m (10 feet).

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

HF USPM SERIES – 12,7 MM (0.5") THICKNESS, RUBBERIZED SURFACE FULL COVER

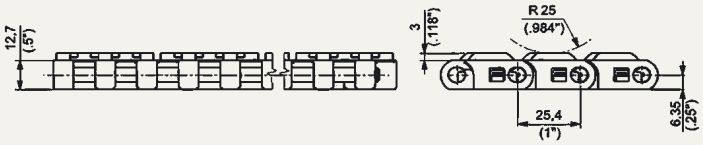
12,7 MM (0.5") THICKNESS - RUBBERIZED SURFACE, FULL COVER

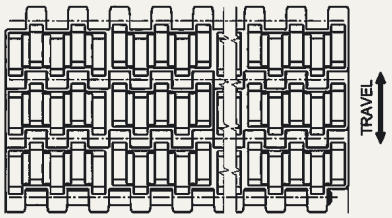
HF USPM belts are an ideal solution for heavy duty inclines, declines and package handling (acceleration, deceleration and rotation).

- **Belt widths:** 85 mm (3.346") or wider in 85 mm (3.346") increments
- **Working Load (at 25°C/77°F):** 30000 N/m (2055 lbs/ft) for ULF material; 18100 N/m (1,240 lbs/ft) for PP material
- **Belt weight:** 14,84 kg/m² (3.04 lbs/ft²) for ULF material; 10,38 kg/m² (2.13 lbs/ft²) for PP material

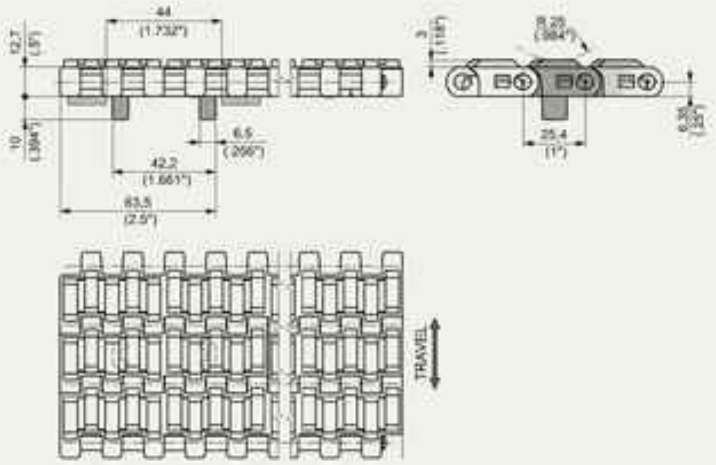


HF USPM SERIES RUBBERIZED FULL COVER BELT





VERSION WITHOUT TRACKING GUIDE – 12,7 (.5"), 3 (.118"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL



VERSION WITH TRACKING GUIDE – 44 (1.732"), 42,2 (1.661"), 63,5 (2.5"), 6,5 (.256"), 12,7 (.5"), 10 (.394"), 3 (.118"), 25,4 (1") PITCH, R 25 (.984"), 6,35 (.25"), WIDTH W, DIRECTION OF TRAVEL

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

1" PITCH HEAVY DUTY BELTS AND CHAINS - HF USPM SERIES (METRIC STANDARD)

WIDTH W		MATERIALS – MODULE: ULTRA LOW FRICTION POLYESTER RESIN (ULF)		MATERIALS – MODULE: SPECIAL POLIPROPYLENE(1) (PP)		RUBBER	PIN
MM	INCH	PART NO. WITHOUT TRACKING GUIDE	PART NO. WITH TRACKING GUIDE	PART NO. WITHOUT TRACKING GUIDE	PART NO. WITH TRACKING GUIDE		
85	3.35	HFUMULF0085	HFUMGULF0085	HFUMPP0085	HFUMGPP0085	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
170	6.69	HFUMULF0170	HFUMG1ULF0170	HFUMPP0170	HFUMG1PP0170	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
255	10.04	HFUMULF0255	HFUMG1ULF0255	HFUMPP0255	HFUMG1PP0255	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
340	13.39	HFUMULF0340	HFUMG1ULF0340	HFUMPP0340	HFUMG1PP0340	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
425	16.73	HFUMULF0425	HFUMG1ULF0425	HFUMPP0425	HFUMG1PP0425	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
510	20.08	HFUMULF0510	HFUMG1ULF0510	HFUMPP0510	HFUMG1PP0510	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
595	23.43	HFUMULF0595	HFUMG1ULF0595	HFUMPP0595	HFUMG1PP0595	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
680	26.77	HFUMULF0680	HFUMG1ULF0680	HFUMPP0680	HFUMG1PP0680	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
765	30.12	HFUMULF0765	HFUMG1ULF0765	HFUMPP0765	HFUMG1PP0765	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
850	33.46	HFUMULF0850	HFUMG1ULF0850	HFUMPP0850	HFUMG1PP0850	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
935	36,81	HFUMULF0935	HFUMG1ULF0935	HFUMPP0935	HFUMG1PP0935	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material
1020	40,16	HFUMULF1020	HFUMG1ULF1020	HFUMPP1020	HFUMG1PP1020	THERMOPLASTIC TPE – Hardness: 55 ShA (for ULF material); THERMOPLASTIC TPE – Hardness: 50 ShA (for PP material)	POM for ULF material; PBT for PP material

(1) Actual width can be up to 1% greater than nominal width.
Belts wider than 1020 mm (40.16") are available in 85 mm (3.35") increments. To identify the Part Numbers, please substitute the last four digits of the PN with the desired width. Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for ULF material is “HFUMULF1105”.
Standard packaging: Belt widths ≤ 680 mm (26.77") are supplied in rolls of 3,048 m (10 ft) each.
Belt widths ≥ 765 mm (30.12") and ≤ 1020 mm (40.16") are supplied in rolls of 1,524 m (5 ft) each.
Belt widths ≥ 1105 mm (43.50") are supplied at the length requested by the customer.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

HFS USPM SERIES – RUBBERIZED SURFACE, SIDE INDENT (METRIC STANDARD)

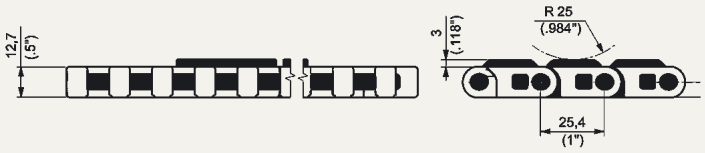
12,7 MM (0.5") THICKNESS - RUBBERIZED SURFACE, SIDE INDENT

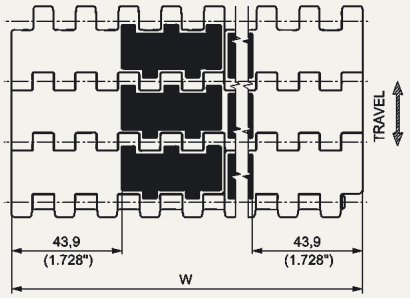
HFS USPM belts are an ideal solution for heavy duty inclines, declines and package handling (acceleration, deceleration and rotation).



HFS USPM BELT – RUBBERIZED SURFACE, SIDE INDENT

- **Belt widths:** 255 mm (10.04″) or wider in 85 mm (10.04″) increments
- **Working Load (at 25°C/77°F):** 30000 N/m (2055 lbs/ft) for ULF material; 18100 N/m (1,240 lbs/ft) for PP material
- **Belt weight:** 14,71 kg/m² (3.01 lbs/ft²) for ULF material; 10,38 kg/m² (2.13 lbs/ft²) for PP material

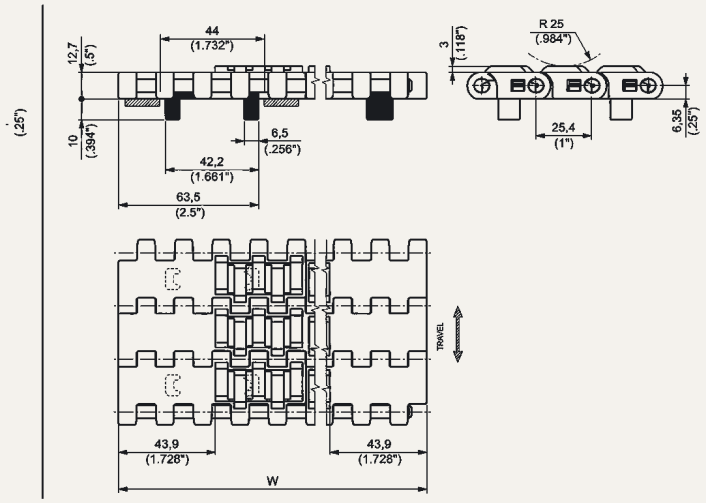




VERSION WITHOUT TRACKING GUIDE – SIDE AND TOP VIEWS: 12,7 (.5”), 3 (.118”), R 25 (.984”), 25,4 (1”), 6,35 (.25”), 43,9 (1.728”), W, TRAVEL

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)



VERSION WITH TRACKING GUIDE – SIDE AND TOP VIEWS: 12,7 (.5”), 3 (.118”), 10 (.394”), 44 (1.732”), 42,2 (1.661”), 63,5 (2.5”), 6,5 (.256”), R 25 (.984”), 25,4 (1”), 6,35 (.25”), 43,9 (1.728”), W, TRAVEL

PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS – MODULE			
		ULF – ULTRA LOW FRICTION POLYESTER RESIN – PART NUMBER		PP – SPECIAL POLIPROPYLENE (1) – PART NUMBER	
MM	INCHES	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE
255	10.04	HFSUMULF0255	HFSUMG1ULF0255	HFSUMPP0255	HFSUMG1PP0255
340	13.39	HFSUMULF0340	HFSUMG1ULF0340	HFSUMPP0340	HFSUMG1PP0340
425	16.73	HFSUMULF0425	HFSUMG1ULF0425	HFSUMPP0425	HFSUMG1PP0425
510	20.08	HFSUMULF0510	HFSUMG1ULF0510	HFSUMPP0510	HFSUMG1PP0510
595	23.43	HFSUMULF0595	HFSUMG1ULF0595	HFSUMPP0595	HFSUMG1PP0595
680	26.77	HFSUMULF0680	HFSUMG1ULF0680	HFSUMPP0680	HFSUMG1PP0680
765	30.12	HFSUMULF0765	HFSUMG1ULF0765	HFSUMPP0765	HFSUMG1PP0765
850	33.46	HFSUMULF0850	HFSUMG1ULF0850	HFSUMPP0850	HFSUMG1PP0850
935	36.81	HFSUMULF0935	HFSUMG1ULF0935	HFSUMPP0935	HFSUMG1PP0935
1020	40.16	HFSUMULF1020	HFSUMG1ULF1020	HFSUMPP1020	HFSUMG1PP1020

(1) Actual width can be up to 1% greater than nominal width.

MATERIALS - RUBBER & PIN

RUBBER	PIN
Thermoplastic TPE – Hardness: 55 ShA (for ULF material)	POM for ULF material
Thermoplastic TPE – Hardness: 50 ShA (for PP material)	PBT for PP material

STANDARD PACKAGING

Belt widths ≤ 680 mm (26.77”) are supplied in rolls of 3,048 m (10 ft) each.

Belt widths ≥ 765 mm (30.12”) and ≤ 1020 mm (40.16”) are supplied in rolls of 1,524 m (5 ft) each.

Belt widths ≥ 1105 mm (43.50”) are supplied at the length requested by the customer.

Belts wider than 1020 mm (40.16”) are available in 85 mm (3.35”) increments.

To identify the Part Numbers, please substitute the last four digits of the PN with the desired width.

Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for ULF material is “HFSUMULF1105”.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

LBP USPM SERIES – LBP ROLLERS (METRIC STANDARD)

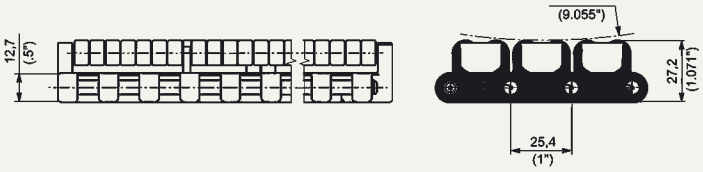
12,7 MM (0.5") THICKNESS - LBP ROLLERS

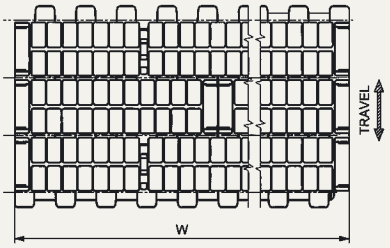
Suitable for applications where a conveyor with a large accumulating section is needed.



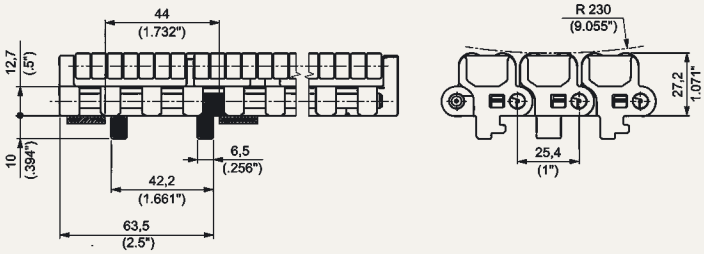
LBP USPM BELT WITH LBP ROLLERS

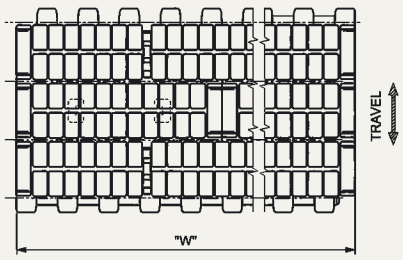
- **Belt widths:** 85 mm (3.346”) or wider in 85 mm (3.346”) increments
- **Working Load (at 25°C/77°F):** 35000 N/m (2400 lbs/ft)
- **Belt weight:** 31,11 kg/m² (6.37 lbs/ft²)





VERSION WITHOUT TRACKING GUIDE – SIDE AND TOP VIEWS: 12,7 (.5”), 27,2 (1.071”), R 230 (9.055”), 25,4 (1”), W, TRAVEL





VERSION WITH TRACKING GUIDE – SIDE AND TOP VIEWS: 12,7 (.5”), 27,2 (1.071”), 10 (.394”), 44 (1.732”), 42,2 (1.661”), 63,5 (2.5”), 6,5 (.256”), R 230 (9.055”), 25,4 (1”), “W”, TRAVEL

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS – MODULE AND ROLLER UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	LBPUSPMUP0085	LBPUSPMGUP0085	PBT
170	6.69	LBPUSPMUP0170	LBPUSPMG1UP0170	
255	10.04	LBPUSPMUP0255	LBPUSPMG1UP0255	
340	13.39	LBPUSPMUP0340	LBPUSPMG1UP0340	
425	16.73	LBPUSPMUP0425	LBPUSPMG1UP0425	
510	20.08	LBPUSPMUP0510	LBPUSPMG1UP0510	
595	23.43	LBPUSPMUP0595	LBPUSPMG1UP0595	
680	26.77	LBPUSPMUP0680	LBPUSPMG1UP0680	
765	30.12	LBPUSPMUP0765	LBPUSPMG1UP0765	
850	33.46	LBPUSPMUP0850	LBPUSPMG1UP0850	
935	36.81	LBPUSPMUP0935	LBPUSPMG1UP0935	
1020	40.16	LBPUSPMUP1020	LBPUSPMG1UP1020	

Pin material is PBT for all widths listed.

Belts wider than 1020 mm (40.16″) are available in 85 mm (3.35″) increments.

To identify the Part Numbers, please substitute the last four digits of the PN with the desired width.

Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN for UP material is “LBPUSPMUP1105”.

STANDARD PACKAGING

Belt widths ≤ 425 mm (16.73″) are supplied in rolls of 1,524 m (5 ft) each.

Belt widths ≥ 510 mm (20.09″) and ≤ 1020 mm (40.16″) are supplied in rolls of 1,016 m (3.33 ft) each.

Belt widths ≥ 1105 mm (43.50″) are supplied in the length requested by the customer.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

LBP XSPM SERIES – LBP ROLLERS, SAFETY DESIGN (METRIC STANDARD)

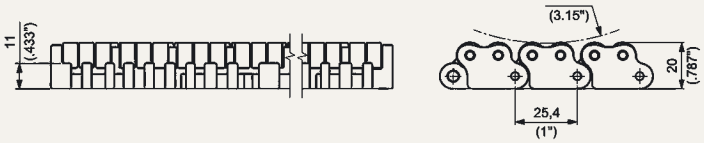
11 MM (0.433") THICKNESS - LBP ROLLERS, SAFETY DESIGN

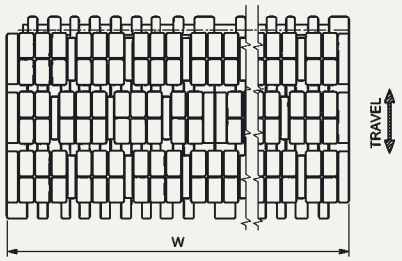
Designed for product accumulation applications where a combination of high performance, improved safety and energy saving are required. LBP rollers allow for pressure reduction among accumulated products and for belt pull reduction.



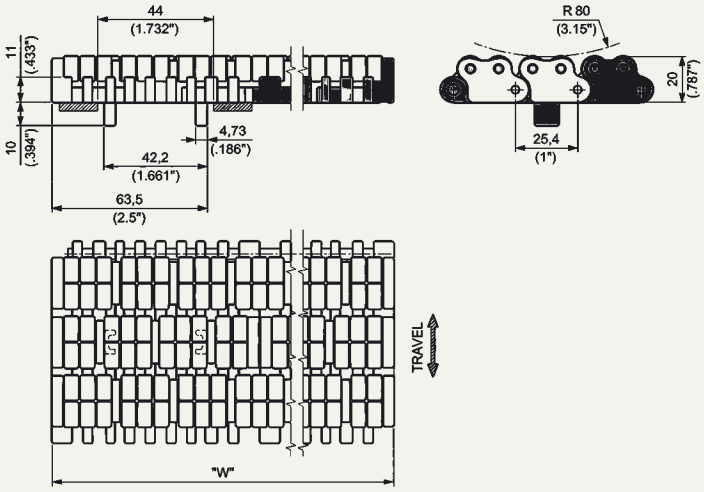
LBP XSPM BELT WITH LBP ROLLERS

- **Belt widths:** 85 mm (3.346”) or wider in 85 mm (3.346”) increments
- **Working Load (at 25°C/77°F):** 34000 N/m (2,330 lbs/ft)
- **Belt weight:** 19,40 kg/m² (3.97 lbs/ft²)





VERSION WITHOUT TRACKING GUIDE – SIDE AND TOP VIEWS: 11 (.433”), 20 (.787”), R 80 (3.15”), 25,4 (1”), W, TRAVEL



VERSION WITH TRACKING GUIDE – SIDE AND TOP VIEWS: 11 (.433”), 20 (.787”), 10 (.394”), 44 (1.732”), 42,2 (1.661”), 63,5 (2.5”), 4,73 (.186”), R 80 (3.15”), 25,4 (1”), “W”, TRAVEL

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS – MODULE AND ROLLER UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER		PIN
MM	INCH	WITHOUT TRACKING GUIDE	WITH TRACKING GUIDE	
85	3.35	LBPXSPMUP0085	LBPXSPMGUP0085	PBT
170	6.69	LBPXSPMUP0170	LBPXSPMG1UP0170	
255	10.04	LBPXSPMUP0255	LBPXSPMG1UP0255	
340	13.39	LBPXSPMUP0340	LBPXSPMG1UP0340	
425	16.73	LBPXSPMUP0425	LBPXSPMG1UP0425	
510	20.08	LBPXSPMUP0510	LBPXSPMG1UP0510	
595	23.43	LBPXSPMUP0595	LBPXSPMG1UP0595	
680	26.77	LBPXSPMUP0680	LBPXSPMG1UP0680	
765	30.12	LBPXSPMUP0765	LBPXSPMG1UP0765	
850	33.46	LBPXSPMUP0850	LBPXSPMG1UP0850	
935	36.81	LBPXSPMUP0935	LBPXSPMG1UP0935	
1020	40.16	LBPXSPMUP1020	LBPXSPMG1UP1020	

Pin material is PBT for all widths listed.

Belts wider than 1020 mm (40.16″) are available in 85 mm (3.35″) increments.

To identify the Part Numbers, please substitute the last four digits of the PN with the desired width.

Example: for a 1105 mm wide belt (=1020+85 mm) without guide, the PN is “LBPXSPMUP1105”.

STANDARD PACKAGING

Belt widths ≤ 425 mm (16.73″) are supplied in rolls of 1,524 m (5 ft) each.

Belt widths ≥ 510 mm (20.09″) and ≤ 1020 mm (40.16″) are supplied in rolls of 1,016 m (3.33 ft) each.

Belt widths ≥ 1105 mm (43.50″) are supplied in the length requested by the customer.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

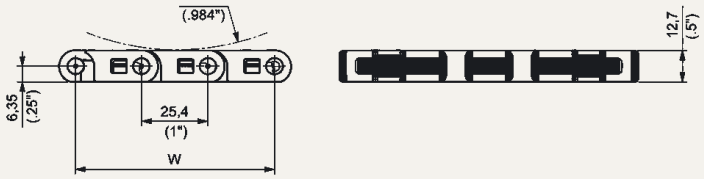
USP SERIES – SOLID TOP (IMPERIAL STANDARD)

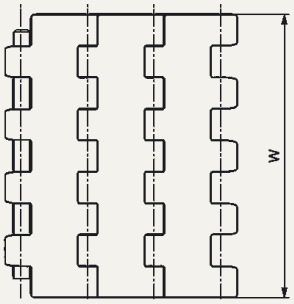
12,7 MM (0.5") THICKNESS - SOLID TOP

Completely closed surface, no gap between modules, even when engaging on the sprockets. Particularly suitable for glass products.

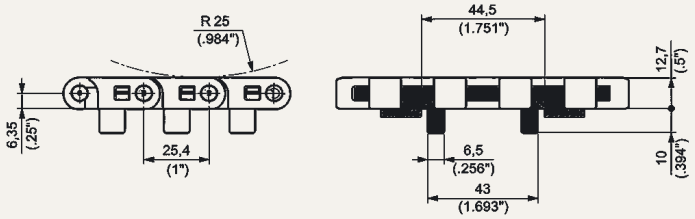


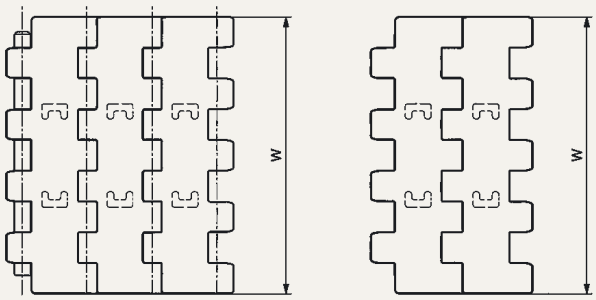
USP SERIES SOLID TOP CHAIN





VERSION WITHOUT TRACKING GUIDE – SIDE, EDGE AND TOP VIEWS: R 25 (.984”), 6,35 (.25”), 25,4 (1”), 12,7 (.5”), W, TRAVEL





VERSION WITH TRACKING GUIDE – SIDE, EDGE AND TOP VIEWS: R 25 (.984”), 6,35 (.25”), 25,4 (1”), 44,5 (1.751”), 43 (1.693”), 6,5 (.256”), 12,7 (.5”), 10 (.394”), W, TRAVEL

USP SERIES SOLID TOP - MATERIALS & DIMENSIONS

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
WITHOUT TRACKING GUIDE											
Ultra Performance Homopolymer Delrin® (UP)	PBT	USP UP 325	USPUPKD/000	82,6	3.25	12,7	0.50	2500	562	1,27	0.86
Ultra Performance Homopolymer Delrin® (UP)	PBT	USP UP 450	USPUPKG/000	114,3	4.50	12,7	0.50	3430	771	1,73	1.16
Ultra Performance Homopolymer Delrin® (UP)	PBT	USP UP 750	USPUPKL/000	190,5	7.50	12,7	0.50	5710	1284	2,83	1.90
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USP D2K 325	USPD2KKD/000	82,6	3.25	12,7	0.50	2500	562	1,27	0.86
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USP D2K 450	USPD2KKG/000	114,3	4.50	12,7	0.50	3430	771	1,73	1.16
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USP D2K 750	USPD2KKL/000	190,5	7.50	12,7	0.50	5710	1284	2,83	1.90
Abrasion Resistant Polyamide (1) (AR)	PBT	USP AR 325	USPARKD/000	82,6	3.25	12,7	0.50	2500	562	1,23	0.82
Abrasion Resistant Polyamide (1) (AR)	PBT	USP AR 450	USPARKG/000	114,3	4.50	12,7	0.50	3430	771	1,67	1.12
Abrasion Resistant Polyamide (1) (AR)	PBT	USP AR 750	USPARKL/000	190,5	7.50	12,7	0.50	5710	1284	2,73	1.83
WITH TRACKING GUIDE											
Ultra Performance Homopolymer Delrin® (UP)	PBT	USPG UP 325	USPGUPKD/000	82,6	3.25	12,7	0.50	2500	562	1,27	0.86
Ultra Performance Homopolymer Delrin® (UP)	PBT	USPG UP 450	USPGUPKG/000	114,3	4.50	12,7	0.50	3430	771	1,73	1.16
Ultra Performance Homopolymer Delrin® (UP)	PBT	USPG UP 750	USPGUPKL/000	190,5	7.50	12,7	0.50	5710	1284	2,83	1.90
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USPG D2K 325	USPGD2KKD/000	82,6	3.25	12,7	0.50	2500	562	1,27	0.86
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USPG D2K 450	USPGD2KKG/000	114,3	4.50	12,7	0.50	3430	771	1,73	1.16
Special Delrin® reinforced with Kevlar® (DK²)	PBT	USPG D2K 750	USPGD2KKL/000	190,5	7.50	12,7	0.50	5710	1284	2,83	1.90
Abrasion Resistant Polyamide (1) (AR)	PBT	USPG AR 325	USPGARKD/000	82,6	3.25	12,7	0.50	2500	562	1,23	0.82
Abrasion Resistant Polyamide (1) (AR)	PBT	USPG AR 450	USPGARKG/000	114,3	4.50	12,7	0.50	3430	771	1,67	1.12
Abrasion Resistant Polyamide (1) (AR)	PBT	USPG AR 750	USPGARKL/000	190,5	7.50	12,7	0.50	5710	1284	2,73	1.83

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

USP SERIES – IMPERIAL STANDARD

12,7 MM (0.5") THICKNESS - SOLID TOP

Completely closed surface, no gap between the modules, even when engaging on the sprockets. Particulary suitable for glass products.

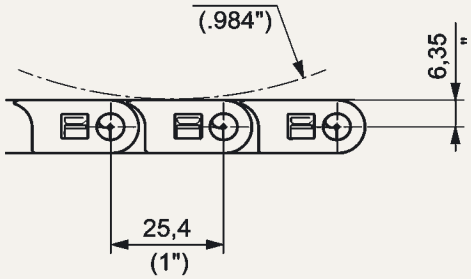
- **Belt widths:** 154,2 mm (6’’) or wider in 76,2 mm (3’’) increments
- **Working Load (at 25°C/77°F):** 30000 N/m (2400 lbs/ft) for UP, D2K™ and AR materials
- **Belt weight:** 13,93 kg/m² (2.85 lbs/ft²) for UP and D2K™ materials; 13,40 kg/m² (2.74 lbs/ft²) for AR material



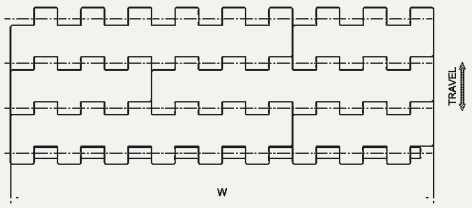
USP SOLID TOP BELT



SIDE VIEW – 12,7 MM (.5") THICKNESS



PITCH 25,4 MM (1"), R 25 (.984"), 6,35 MM (.25")



TOP VIEW – BELT WIDTH W, DIRECTION OF TRAVEL

USP SERIES - PART NUMBERS BY BELT WIDTH

WIDTH W		MATERIALS MODULE UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	AR – ABRASION RESISTANT POLYAMIDE (1)	PIN
MM	INCH	PART NUMBER	PART NUMBER	PART NUMBER	
152,20	6.0	USPUP006	USPD2K006	USPAR006	PBT
228,60	9.0	USPUP009	USPD2K009	USPAR009	PBT
304,80	12.0	USPUP012	USPD2K012	USPAR012	PBT
381,00	15.0	USPUP015	USPD2K015	USPAR015	PBT
457,20	18.0	USPUP018	USPD2K018	USPAR018	PBT
533,40	21.0	USPUP021	USPD2K021	USPAR021	PBT
609,60	24.0	USPUP024	USPD2K024	USPAR024	PBT
685,80	27.0	USPUP027	USPD2K027	USPAR027	PBT
762,00	30.0	USPUP030	USPD2K030	USPAR030	PBT
838,20	33.0	USPUP033	USPD2K033	USPAR033	PBT
914,40	36.0	USPUP036	USPD2K036	USPAR036	PBT
996,60	39.0	USPUP039	USPD2K039	USPAR039	PBT
1066,80	42.0	USPUP042	USPD2K042	USPAR042	PBT
1143,00	45.0	USPUP045	USPD2K045	USPAR045	PBT
1219,20	48.0	USPUP048	USPD2K048	USPAR048	PBT

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

USPG ATM SERIES – IMPERIAL STANDARD

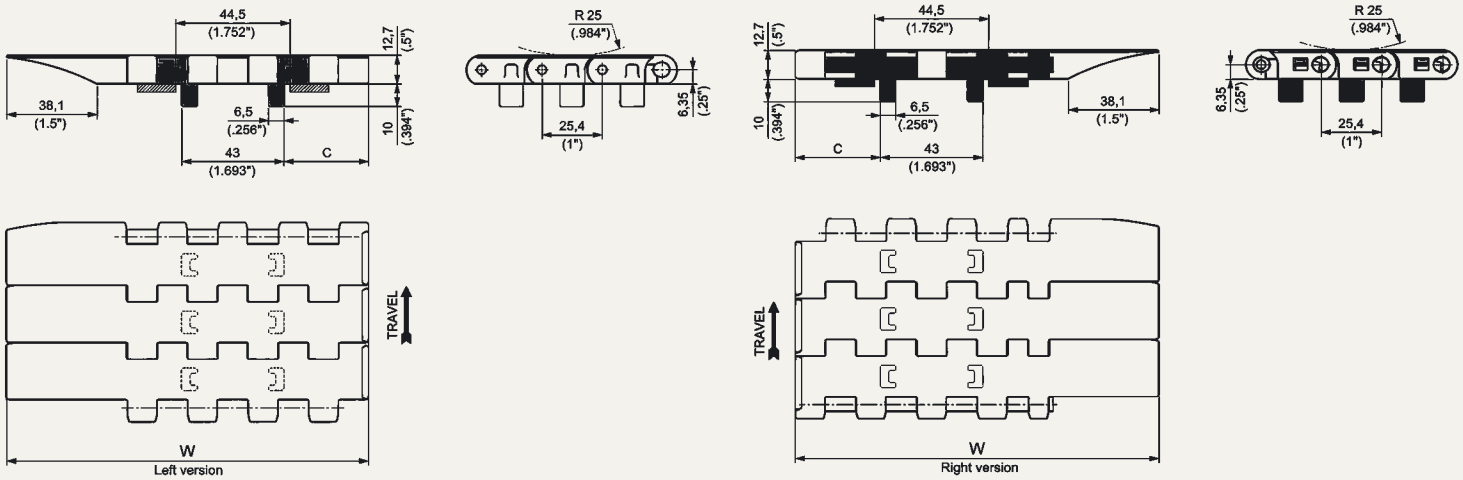
ACTIVE TRANSFER MODULES - 12,7 MM (0.5") THICKNESS, SOLID TOP

To be used in combination with USP belt series.

Active transfer modules USPG ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates. The special module profile, wing shaped, supports the products dynamically during transfer on the take-away belt. Available left and right version.



USPG ATM ACTIVE TRANSFER MODULE BELT



LEFT VERSION – 44,5 (1.752"), 43 (1.693"), 38,1 (1.5"), 6,5 (.256"), C, 12,7 (.5"), 10 (.394"), 25,4 (1"), R 25 (.984"), 6,35 (.25"), WIDTH W

RIGHT VERSION – 44,5 (1.752"), 43 (1.693"), 38,1 (1.5"), 6,5 (.256"), C, 12,7 (.5"), 10 (.394"), 25,4 (1"), R 25 (.984"), 6,35 (.25"), WIDTH W

USPG ATM - LEFT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	PBT	USPGATM UP 450 SX	USPGATMUP450S	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	PBT	USPGATM UP 750 SX	USPGATMUP750S	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05
D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	USPGATM D2K 450 SX	USPGATMD2K450S	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	USPGATM D2K 750 SX	USPGATMD2K750S	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05
AR – ABRASION RESISTANT POLYAMIDE (1)	PBT	USPGATM AR 450 SX	USPGATMAR450S	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
AR – ABRASION RESISTANT POLYAMIDE (1)	PBT	USPGATM AR 750 SX	USPGATMAR750S	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05

**Actual width is larger than the nominal width.*

USPG ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	PBT	USPGATM UP 450 DX	USPGATMUP450D	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN®	PBT	USPGATM UP 750 DX	USPGATMUP750D	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05
D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	USPGATM D2K 450 DX	USPGATMD2K450D	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR®	PBT	USPGATM D2K 750 DX	USPGATMD2K750D	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05
AR – ABRASION RESISTANT POLYAMIDE (1)	PBT	USPGATM AR 450 DX	USPGATMAR450D	152,4	6.0	12,7	0.5	3480	782	1,97	1.32
AR – ABRASION RESISTANT POLYAMIDE (1)	PBT	USPGATM AR 750 DX	USPGATMAR750D	228,6	9.0	12,7	0.5	5715	1.285	3,06	2.05

(1) Actual width can be up to 0,5% greater than nominal width.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

SPROCKETS - USP SERIES

SUITABLE FOR CHAINS

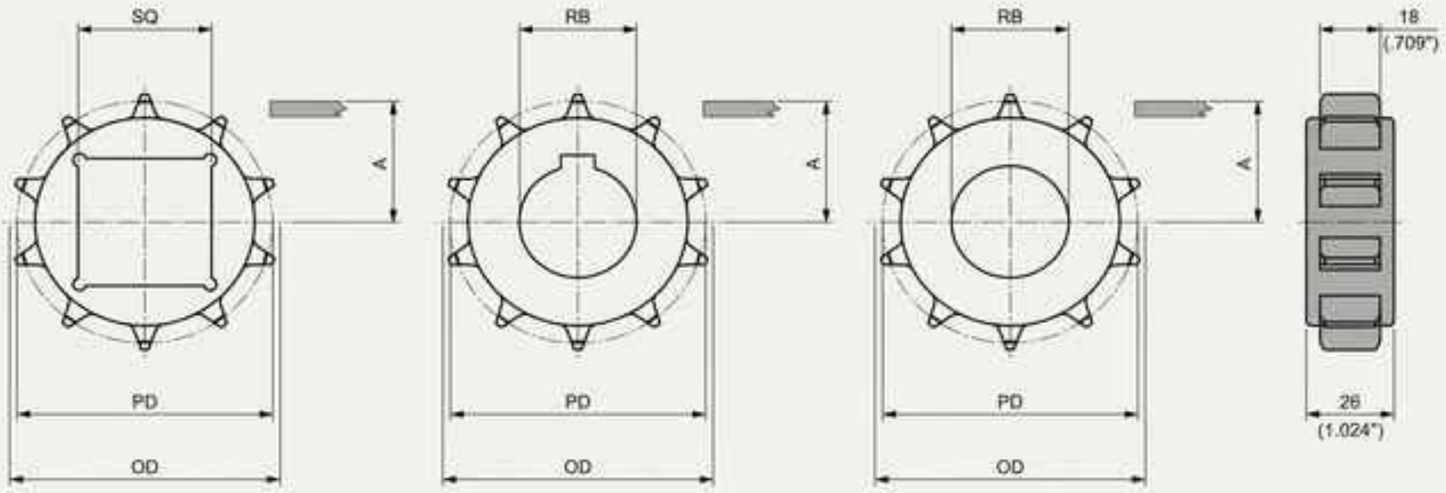
- USPM
- USP
- LBP USPM
- LBP XSPM
- HF USPM / HFS USPM

MATERIALS

COMPONENT	CODE	MATERIAL
SPROCKETS	PA	POLYAMIDE



MACHINED SOLID USP SPROCKET



SQUARE BORE – DRIVE/IDLER (SQ, PD, OD, A); ROUND BORE – DRIVE (RB, PD, OD, A); ROUND BORE – IDLER (RB, PD, OD, A); SIDE VIEW 18 (.709") AND 26 (1.024")

MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
8	66,37	2.613	63,80	2.512	26,80	1.055	20			MPBATUSP0820	MPBAFUSP0820	0,05	0.11
8	66,37	2.613	63,80	2.512	26,80	1.055	25			MPBATUSP0825	MPBAFUSP0825	0,05	0.10
8	66,37	2.613	63,80	2.512	26,80	1.055	30			MPBATUSP0830	MPBAFUSP0830	0,04	0.09
8	66,37	2.613	63,80	2.512	26,80	1.055		1		MPBATUSP08254	MPBAFUSP08254	0,05	0.10
8	66,37	2.613	63,80	2.512	26,80	1.055		1-3/16		MPBATUSP08301	MPBAFUSP08301	0,04	0.09
8	66,37	2.613	63,80	2.512	26,80	1.055		1-1/4		MPBATUSP08317	MPBAFUSP08317	0,04	0.08
10	82,19	3.236	80,40	3.165	34,70	1.366	30		MPBAQUSP1030	MPBATUSP1030	MPBAFUSP1030	0,09	0.19
10	82,19	3.236	80,40	3.165	34,70	1.366	35			MPBATUSP1035	MPBAFUSP1035	0,08	0.17
10	82,19	3.236	80,40	3.165	34,70	1.366	40		MPBAQUSP1040	MPBATUSP1040	MPBAFUSP1040	0,07	0.15
10	82,19	3.236	80,40	3.165	34,70	1.366		1		MPBATUSP10254	MPBAFUSP10254	0,09	0.20
10	82,19	3.236	80,40	3.165	34,70	1.366		1-3/16		MPBATUSP10301	MPBAFUSP10301	0,09	0.19

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

SPROCKETS - USP SERIES

SUITABLE FOR CHAINS

- USPM
- USP
- LBP USPM
- LBP XSPM
- HF USPM / HFS USPM

MATERIALS

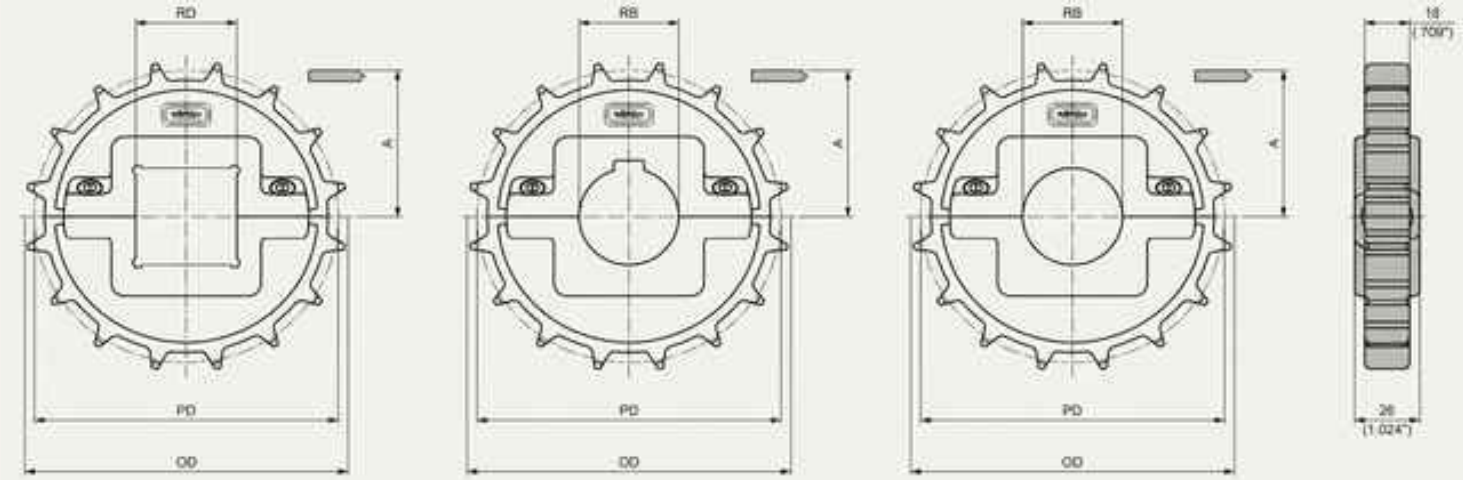
COMPONENT	CODE	MATERIAL
SPROCKETS	PGF	REINFORCED POLYAMIDE
SCREW	SS	STAINLESS STEEL
NUTS	S+ZN	ZINC PLATED STEEL



MOULDED SPLIT USP SPROCKET

12T, 13T, 14T, 15T & 16T SPROCKETS

(for 18T & 21T see next page)



SQUARE BORE – DRIVE/IDLER (SQ, PD, OD, A); ROUND BORE – DRIVE (RB, PD, OD, A); ROUND BORE – IDLER (RB, PD, OD, A); SIDE VIEW 18 (.709") AND 26 (1.024")

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
12	98,14	3.864	97,00	3.819	42,70	1.681	30			MPBSTUSP1230	MPBSFUSP1230	0,12	0.27
12	98,14	3.864	97,00	3.819	42,70	1.681	35			MPBSTUSP1235	MPBSFUSP1235	0,12	0.26
12	98,14	3.864	97,00	3.819	42,70	1.681	40			MPBSTUSP1240	MPBSFUSP1240	0,11	0.25
12	98,14	3.864	97,00	3.819	42,70	1.681		1		MPBSTUSP12254	MPBSFUSP12254	0,13	0.28
12	98,14	3.864	97,00	3.819	42,70	1.681		1-1/4		MPBSTUSP12317	MPBSFUSP12317	0,12	0.27
12	98,14	3.864	97,00	3.819	42,70	1.681		1-1/2	MPBSQUSP12381			0,11	0.24
13	106,14	4.179	105,50	4.154	46,70	1.839	30			MPBSTUSP1330	MPBSFUSP1330	0,12	0.26
13	106,14	4.179	105,50	4.154	46,70	1.839	35			MPBSTUSP1335	MPBSFUSP1335	0,11	0.25

*In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.
** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
13	106,14	4.179	105,50	4.154	46,70	1.839	40			MPBSTUSP1340	MPBSFUSP1340	0,11	0.24
13	106,14	4.179	105,50	4.154	46,70	1.839		1		MPBSTUSP13254	MPBSFUSP13254	0,12	0.27
13	106,14	4.179	105,50	4.154	46,70	1.839		1-1/4		MPBSTUSP13317	MPBSFUSP13317	0,12	0.26
13	106,14	4.179	105,50	4.154	46,70	1.839		1-1/2	MPBSQUSP13381			0,11	0.24
14	114,15	4.494	113,15	4.455	50,70	1.996	30			MPBSTUSP1430	MPBSFUSP1430	0,15	0.33
14	114,15	4.494	113,15	4.455	50,70	1.996	35			MPBSTUSP1435	MPBSFUSP1435	0,14	0.32
14	114,15	4.494	113,15	4.455	50,70	1.996	40		MPBSQUSP1440	MPBSTUSP1440	MPBSFUSP1440	0,14	0.30
14	114,15	4.494	113,15	4.455	50,70	1.996		1		MPBSTUSP14254	MPBSFUSP14254	0,15	0.34
14	114,15	4.494	113,15	4.455	50,70	1.996		1-1/4		MPBSTUSP14317	MPBSFUSP14317	0,15	0.32
14	114,15	4.494	113,15	4.455	50,70	1.996		1-1/2	MPBSQUSP14381	MPBSTUSP14381	MPBSFUSP14381	0,14	0.31
15	122,17	4.810	121,50	4.783	54,70	2.154	30			MPBSTUSP1530	MPBSFUSP1530	0,19	0.42
15	122,17	4.810	121,50	4.783	54,70	2.154	35			MPBSTUSP1535	MPBSFUSP1535	0,18	0.40
15	122,17	4.810	121,50	4.783	54,70	2.154	40		MPBSQUSP1540	MPBSTUSP1540	MPBSFUSP1540	0,18	0.39
15	122,17	4.810	121,50	4.783	54,70	2.154		1		MPBSTUSP15254	MPBSFUSP15254	0,19	0.42
15	122,17	4.810	121,50	4.783	54,70	2.154		1-3/16		MPBSTUSP15301	MPBSFUSP15301	0,19	0.41
15	122,17	4.810	121,50	4.783	54,70	2.154		1-1/4		MPBSTUSP15317	MPBSFUSP15317	0,19	0.41
15	122,17	4.810	121,50	4.783	54,70	2.154		1-7/16		MPBSTUSP15365	MPBSFUSP15365	0,18	0.40
15	122,17	4.810	121,50	4.783	54,70	2.154		1-1/2	MPBSQUSP15381	MPBSTUSP15381	MPBSFUSP15381	0,18	0.40
16	130,19	5.126	129,20	5.087	58,80	2.315	30			MPBSTUSP1630	MPBSFUSP1630	0,20	0.44
16	130,19	5.126	129,20	5.087	58,80	2.315	35			MPBSTUSP1635	MPBSFUSP1635	0,20	0.43
16	130,19	5.126	129,20	5.087	58,80	2.315	40		MPBSQUSP1640	MPBSTUSP1640	MPBSFUSP1640	0,19	0.42
16	130,19	5.126	129,20	5.087	58,80	2.315	45			MPBSTUSP1645	MPBSFUSP1645	0,18	0.40
16	130,19	5.126	129,20	5.087	58,80	2.315	50			MPBSTUSP1650	MPBSFUSP1650	0,17	0.38
16	130,19	5.126	129,20	5.087	58,80	2.315		1		MPBSTUSP16254	MPBSFUSP16254	0,20	0.45
16	130,19	5.126	129,20	5.087	58,80	2.315		1-3/16		MPBSTUSP16301	MPBSFUSP16301	0,20	0.44
16	130,19	5.126	129,20	5.087	58,80	2.315		1-1/4		MPBSTUSP16317	MPBSFUSP16317	0,20	0.44
16	130,19	5.126	129,20	5.087	58,80	2.315		1-7/16		MPBSTUSP16365	MPBSFUSP16365	0,19	0.43
16	130,19	5.126	129,20	5.087	58,80	2.315		1-1/2	MPBSQUSP16381	MPBSTUSP16381	MPBSFUSP16381	0,19	0.42

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

SPROCKETS - USP SERIES

SUITABLE FOR CHAINS:

- USPM
- USP
- LBP USPM
- LBP XSPM
- HF USPM / HFS USPM

MATERIALS

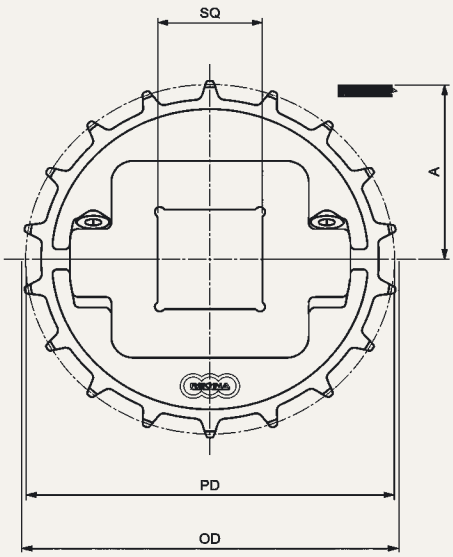
COMPONENT	CODE	MATERIAL
Sprockets	PGF	Reinforced polyamide
Screw	SS	Stainless steel
Nuts	S+ZN	Zinc plated steel



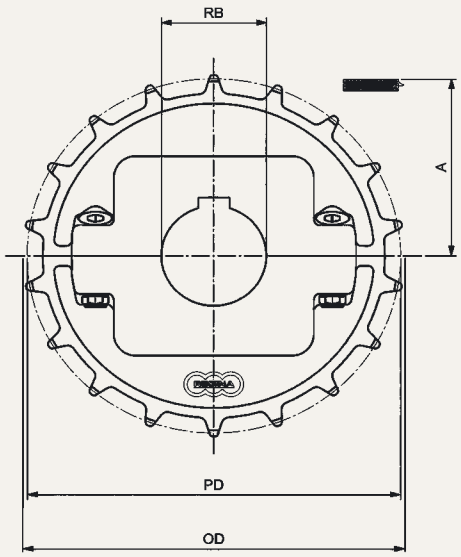
18T / 21T MOULDED SPLIT SPROCKET

18T & 21T SPROCKETS

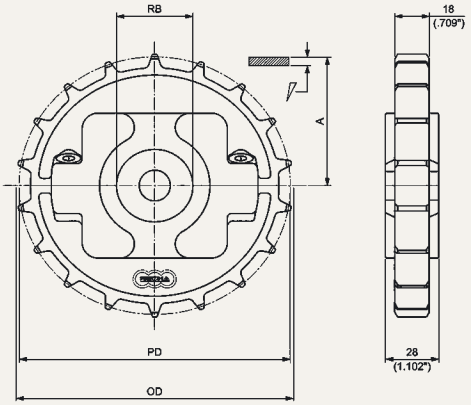
(for 12T, 13T, 14T, 15T & 16T see previous page)



SQUARE BORE – DRIVE/IDLER



ROUND BORE – DRIVE



ROUND BORE – IDLER

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)



MOULDED SOLID IDLER WHEELS – SEE PAGE 124



MOULDED SPLIT IDLER WHEELS – SEE PAGE 194



MACHINED SPLIT IDLER WHEELS – SEE PAGE 126

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
									SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
18	146,27	5.759	145,00	5.709	66,79	2.629	30			MPBSTUSP1830	MPBSFUSP1830	0,33	0.73
							35			MPBSTUSP1835	MPBSFUSP1835	0,32	0.71
							40		MPBSQUSP1840	MPBSTUSP1840	MPBSFUSP1840	0,32	0.70
							45			MPBSTUSP1845	MPBSFUSP1845	0,31	0.68
							50		MPBSQUSP1850	MPBSTUSP1850	MPBSFUSP1850	0,30	0.66
							60		MPBSQUSP1860	MPBSTUSP1860	MPBSFUSP1860	0,28	0.61
							65		MPBSQUSP1865			0,24	0.52
								1		MPBSTUSP18254	MPBSFUSP18254	0,34	0.74
								1-3/16		MPBSTUSP18301	MPBSFUSP18301	0,33	0.73
								1-1/4		MPBSTUSP18317	MPBSFUSP18317	0,33	0.72
								1-7/16		MPBSTUSP18365	MPBSFUSP18365	0,32	0.71
								1-1/2	MPBSQUSP18381	MPBSTUSP18381	MPBSFUSP18381	0,32	0.70
								2		MPBSTUSP18508	MPBSFUSP18508	0,30	0.65
21	170,42	6.709	170,00	6.693	78,84	3.104	30			MPBSTUSP2130	MPBSFUSP2130	0,40	0.88
							35			MPBSTUSP2135	MPBSFUSP2135	0,39	0.86
							40		MPBSQUSP2140	MPBSTUSP2140	MPBSFUSP2140	0,38	0.85
							45			MPBSTUSP2145	MPBSFUSP2145	0,38	0.83
							50		MPBSQUSP2150	MPBSTUSP2150	MPBSFUSP2150	0,37	0.81
							60		MPBSQUSP2160	MPBSTUSP2160	MPBSFUSP2160	0,34	0.76
							65		MPBSQUSP2165			0,31	0.67
								1		MPBSTUSP21254	MPBSFUSP21254	0,40	0.89
								1-3/16		MPBSTUSP21301	MPBSFUSP21301	0,40	0.88
								1-1/4		MPBSTUSP21317	MPBSFUSP21317	0,40	0.88
								1-7/16		MPBSTUSP21365	MPBSFUSP21365	0,39	0.86
								1-1/2	MPBSQUSP21381	MPBSTUSP21381	MPBSFUSP21381	0,39	0.85
								2		MPBSTUSP21508	MPBSFUSP21508	0,36	0.80

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

CHAINS - 1305 SERIES – IMPERIAL STANDARD

12,7 MM (0.5") THICKNESS - SOLID TOP

Strong hinge design ensures high mechanical strength for the most demanding applications.

Optimized edge radius and no gap between hinges allows for a superior product handling in linear and side transfer of products.

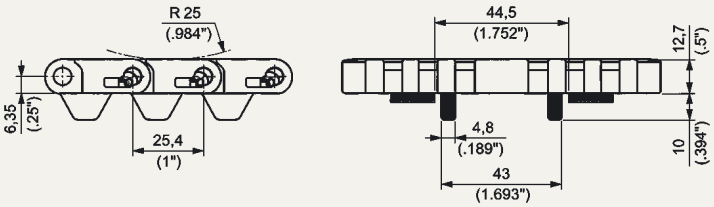
Particularly suitable for glass products and cans.

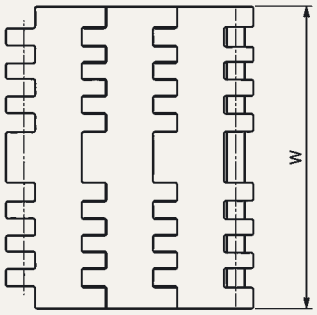
DuPont® Kevlar® inside. Delrin® renewable attributed acetal resins.



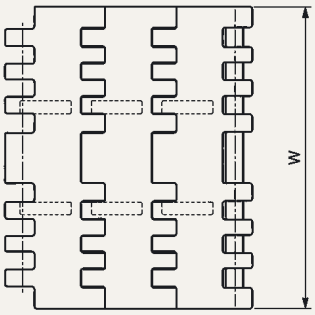
1305 SERIES SOLID TOP CHAIN







VERSION WITHOUT TRACKING GUIDE



VERSION WITH TRACKING GUIDE

1305 SERIES - CHAINS

MATERIALS		VERSION	ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN				MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
Ultra Performance Homopolymer Delrin® (UP)	PBT	Without tracking guide	1305 UP 325	1305UPKD/000	82,6	3.25	12,7	0.50	3100	697	1,17	0.79
			1305 UP 450	1305UPKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,63	1.10
			1305 UP 600	1305UPKH/000	152,4	6.00	12,7	0.50	6600	1,484	2,13	1.43
			1305 UP 750	1305UPKL/000	190,5	7.50	12,7	0.50	7800	1,753	2,68	1.80
			1305 UP 1500	1305UPKZ/000	381,0	15.00	12,7	0.50	15200	3,417	5,39	3.62
Special Delrin® reinforced with Kevlar® (D2K™)			1305 D2K 325	1305D2KKD/000	82,6	3.25	12,7	0.50	3100	697	1,17	0.79
			1305 D2K 450	1305D2KKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,63	1.10
			1305 D2K 600	1305D2KKH/000	152,4	6.00	12,7	0.50	6600	1,484	2,13	1.43
			1305 D2K 750	1305D2KKL/000	190,5	7.50	12,7	0.50	7800	1,753	2,68	1.80
			1305 D2K 1500	1305D2KKZ/000	381,0	15.00	12,7	0.50	15200	3,417	5,39	3.62
Abrasion Resistant Polyamide (1) (AR)			1305 AR 325	1305ARKD/000	82,6	3.25	12,7	0.50	3100	697	1,13	0.76
			1305 AR 450	1305ARKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,57	1.06
			1305 AR 600	1305ARKH/000	152,4	6.00	12,7	0.50	6600	1,484	2,06	1.38
			1305 AR 750	1305ARKL/000	190,5	7.50	12,7	0.50	7800	1,753	2,59	1.74
			1305 AR 1500	1305ARKZ/000	381,0	15.00	12,7	0.50	15200	3,417	5,20	3.50
Ultra Performance Homopolymer Delrin® (UP)	PBT	With tracking guide	1305G UP 325	1305GUPKD/000	82,6	3.25	12,7	0.50	3100	697	1,28	0.86
			1305G UP 450	1305GUPKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,73	1.16
			1305G UP 750	1305GUPKL/000	190,5	7.50	12,7	0.50	7800	1284	2,78	1.87
Special Delrin® reinforced with Kevlar® (D2K™)			1305G D2K 325	1305GD2KKD/000	82,6	3.25	12,7	0.50	3100	697	1,28	0.86

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

BELTS AND CHAINS - 1305 SERIES – IMPERIAL STANDARD

12,7 MM (0.5") THICKNESS - SOLID TOP

Strong hinge design ensures high mechanical strength for the most demanding applications.

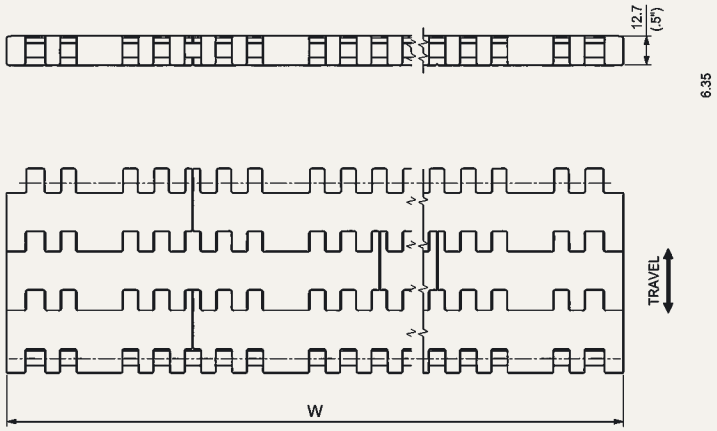
Optimized edge radius and no gap between hinges allows for a superior product handling in linear and side transfer of products.

DuPont® Kevlar® inside. Delrin® renewable attributed acetal resins.

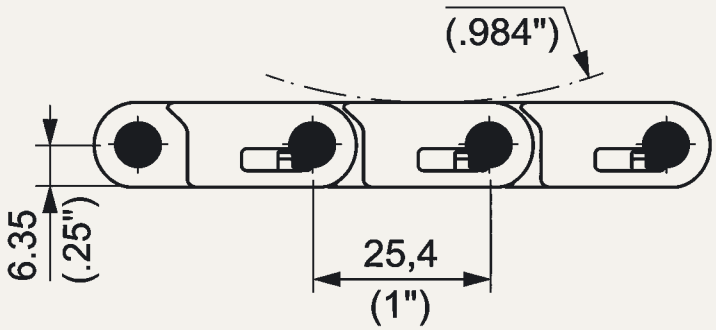
- Belt widths: 228,6 mm (9") or wider in 76,2 mm (3") increments
- Working Load (at 25°C/77°F): 43100 N/m (2,952 lbs/ft) for UP, D2K™ and AR materials
- Belt weight: 13,88 kg/m² (2.84 lbs/ft²) for UP and D2K™ materials; 13,37 kg/m² (2.74 lbs/ft²) for AR material



1305 SERIES SOLID TOP BELT



BELT END VIEW AND TOP VIEW



HINGE DETAIL – 25,4 MM (1") PITCH

1305 SERIES - BELTS

WIDTH W		MATERIALS			
		MODULE			
MM	INCH	UP – ULTRA PERFORMANCE HOMOPOLYMER DELRIN® – PART NUMBER	D2K™ – SPECIAL DELRIN® REINFORCED WITH KEVLAR® – PART NUMBER	AR – ABRASION RESISTANT POLYAMIDE (1) – PART NUMBER	PIN
228,60	9.0	1305UP009	1305D2K009	1305AR009	PBT
304,80	12.0	1305UP012	1305D2K012	1305AR012	
381,00	15.0	1305UP015	1305D2K015	1305AR015	
457,20	18.0	1305UP018	1305D2K018	1305AR018	
533,40	21.0	1305UP021	1305D2K021	1305AR021	
609,60	24.0	1305UP024	1305D2K024	1305AR024	
685,80	27.0	1305UP027	1305D2K027	1305AR027	
762,00	30.0	1305UP030	1305D2K030	1305AR030	
838,20	33.0	1305UP033	1305D2K033	1305AR033	
914,40	36.0	1305UP036	1305D2K036	1305AR036	

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

CHAINS - 1305G ATM SERIES – IMPERIAL STANDARD

ACTIVE TRANSFER MODULES - 12,7 MM (0.5") THICKNESS - SOLID TOP

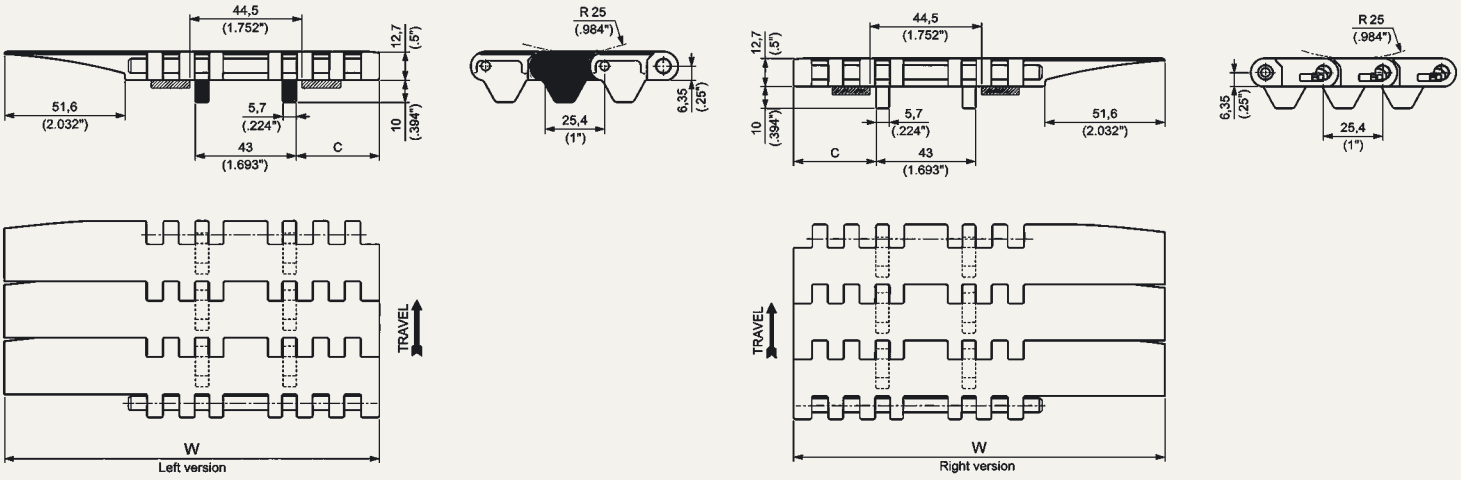
To be used in combination with 1305 belt series.

Active transfer modules 1305G ATM series allow the transfer of the products between two 90° conveyor tracks without using dead plates. The special module profile, wing shaped, supports the products dynamically during transfer on the take-away belt. Available left and right version.

DuPont® Kevlar® inside. Delrin® renewable attributed acetal resins.



1305G ATM ACTIVE TRANSFER MODULES



LEFT VERSION

RIGHT VERSION

1305G ATM - LEFT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
Ultra Performance Homopolymer Delrin® (UP)	PBT	1305G ATM UP 450 LH	1305GATMUP450LH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.28
		1305G ATM UP 750 LH	1305GATMUP750LH	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.99
Special Delrin® reinforced with Kevlar® (D2K™)		1305G ATM D2K 450 LH	1305GATMD2K450LH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.28
		1305G ATM D2K 750 LH	1305GATMD2K750LH	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.99
Abrasion Resistant Polyamide (1) (AR)		1305G ATM AR 450 LH	1305GATMAR450LH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.23
		1305G ATM AR 750 LH	1305GATMAR750LH	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.92

1305G ATM - RIGHT VERSION

MATERIALS		ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
PLATE	PIN			MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
Ultra Performance Homopolymer Delrin® (UP)	PBT	1305G ATM UP 450 RH	1305GATMUP450RH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.28
		1305G ATM UP 750 RH	1305GATMUP750RH	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.99
Special Delrin® reinforced with Kevlar® (D2K™)		1305G ATM D2K 450 RH	1305GATMD2K450RH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.28
		1305G ATM D2K 750 RH	1305GATMD2K750R	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.99
Abrasion Resistant Polyamide (1) (AR)		1305G ATM AR 450 RH	1305GATMAR450RH	160,0	6.3	12,7	0.5	4600	1,034	1,90	1.23
		1305G ATM AR 750 RH	1305GATMAR750RH	236,2	9.3	12,7	0.5	7800	1,753	2,96	2.92

(1) Actual width can be up to 0,5% greater than nominal width.
Standard packaging: rolls of 3,048 m (10 feet).

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

1405 SERIES CHAINS – IMPERIAL STANDARD

12,7 MM (0.5") THICKNESS - PERFORATED TOP

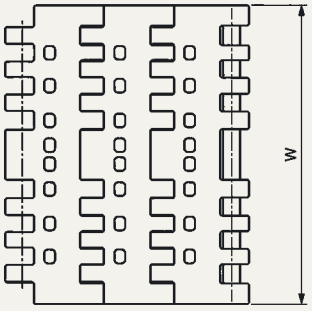
Top surface with perforated design used to ensure the flow of water or air through the belt and to remove debris, for a cleaner contact surface between belt and container.

Particularly suitable for cans conveying.

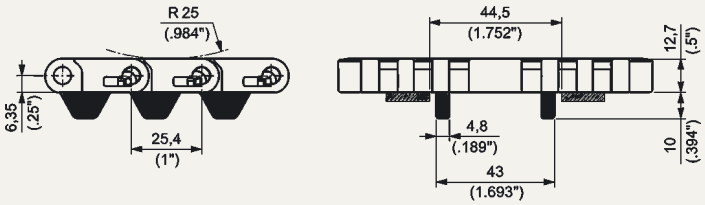


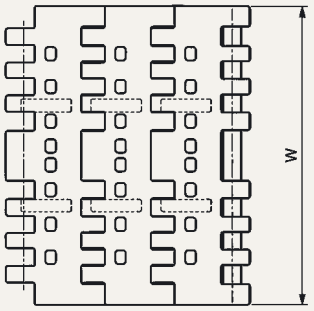
1405 UP PERFORATED TOP CHAIN





VERSION WITHOUT TRACKING GUIDE – R 25 (.984"), 25,4 (1") PITCH, 12,7 (.5") THICKNESS, WIDTH W, TRAVEL





VERSION WITH TRACKING GUIDE – R 25 (.984"), 25,4 (1") PITCH, 6,35 (.25"), 44,5 (1.752"), 43 (1.693"), 4,8 (.189"), 12,7 (.5"), 10 (.394"), WIDTH W, TRAVEL

1405 SERIES CHAINS

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
WITHOUT TRACKING GUIDE									
1405 UP 325	1405UPKD/000	82,6	3.25	12,7	0.50	3100	697	1,14	0.77
1405 UP 450	1405UPKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,58	1.06
1405 UP 600	1405UPKH/000	152,4	6.00	12,7	0.50	6600	1,484	2,08	1.40
1405 UP 750	1405UPKL/000	190,5	7.50	12,7	0.50	7800	1,753	2,61	1.75
1405 UP 1500	1405UPKZ/000	381,0	15.00	12,7	0.50	15200	3,417	5,27	3.54
WITH TRACKING GUIDE									
1405G UP 325	1405GUPKD/000	82,6	3.25	12,7	0.50	3100	697	1,25	0.80
1405G UP 450	1405GUPKG/000	114,3	4.50	12,7	0.50	4600	1,034	1,69	1.14
1405G UP 750	1405GUPKL/000	190,5	7.50	12,7	0.50	7800	1,753	2,72	1.83

Materials — Plate: Ultra Performance Homopolymer Delrin® (UP); Pin: PBT.
Standard packaging: Rolls of 3,048 m (10 feet).
Delrin® renewable attributed acetal resins.

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

1405 SERIES BELTS – IMPERIAL STANDARD

12,7 MM (0.5") THICKNESS - PERFORATED TOP

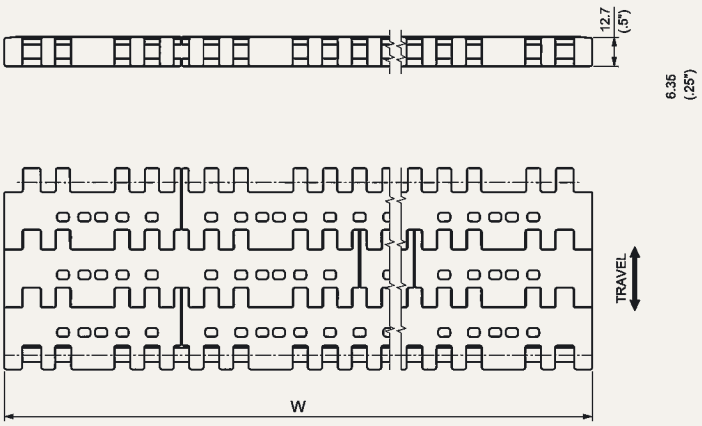
Top surface with perforated design used to ensure the flow of water or air through the belt and to remove debris, for a cleaner contact surface between belt and container.

Particularly suitable for cans conveying.

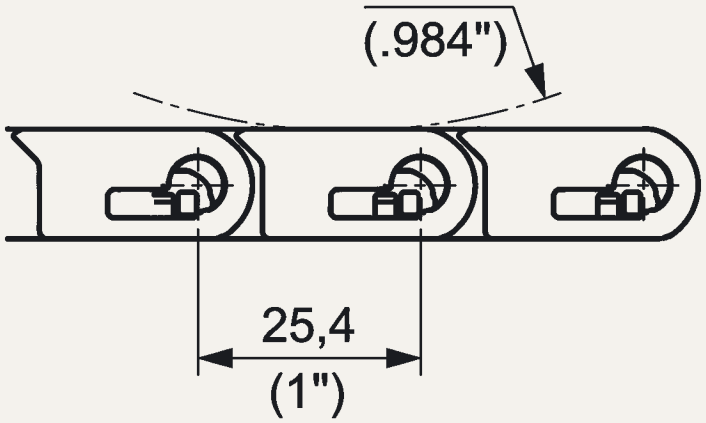


1405 UP PERFORATED TOP BELT

- Belt widths: 228,6 mm (9") or wider in 76,2 mm (3") increments
- Working Load (at 25°C/77°F): 43100 N/m (2,952 lbs/ft)
- Belt weight: 13,54 kg/m² (2.77 lbs/ft²)



BELT SIDE VIEW AND TOP VIEW – 12,7 (.5") THICKNESS, WIDTH W, TRAVEL



LINK DETAIL – R 25 (.984"), PITCH 25,4 (1"), 6,35 (.25")

1405 UP BELTS

WIDTH W		PART NUMBER
MM	INCH	
228,6	9.0	1405UP009
304,8	12.0	1405UP012
381,0	15.0	1405UP015
457,2	18.0	1405UP018
533,4	21.0	1405UP021
609,6	24.0	1405UP024
685,8	27.0	1405UP027
762,0	30.0	1405UP030
838,2	33.0	1405UP033
914,4	36.0	1405UP036
990,6	39.0	1405UP039
1066,8	42.0	1405UP042
1143,0	45.0	1405UP045
1219,2	48.0	1405UP048
1295,4	51.0	1405UP051
1371,6	54.0	1405UP054
1447,8	57.0	1405UP057
1524,0	60.0	1405UP060

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

SPROCKETS - 1305 SERIES

SUITABLE FOR CHAINS:

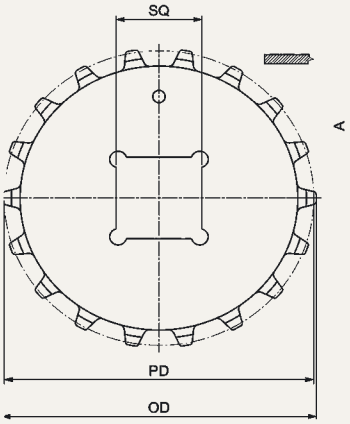
- 1305
- 1405

MATERIALS

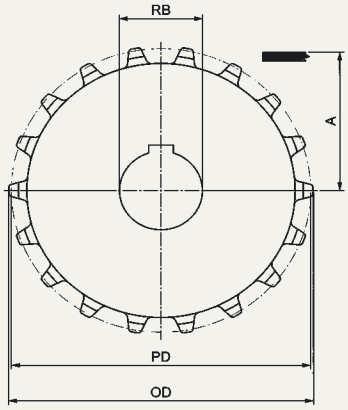
COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless steel
Nuts	B	Brass



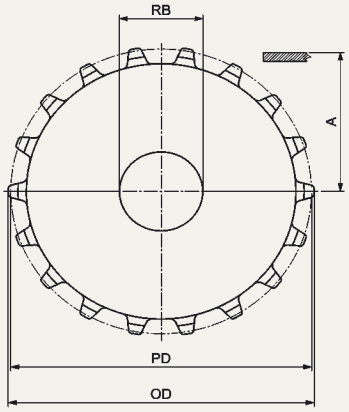
1305 SERIES MACHINED SPLIT SPROCKET



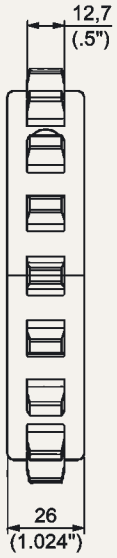
SQUARE BORE – DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE – DRIVE (RB, PD, OD, A)



ROUND BORE – IDLER (RB, PD, OD, A)



SPROCKET EDGE VIEW – 12,7 (.5"), 26 (1.024")

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SB – DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**		DRIVE	IDLER	KG	LBS
16	130,20	5.126	103,60	5.142	58,75	2.313	30			MPBAST13051630	MPBASF13051630	0,33	0.73
							35			MPBAST13051635		0,32	0.71
							40		MPBASQ13051640	MPBAST13051640	MPBASF13051640	0,31	0.68
								1		MPBAST130516254	MPBASF130516254	0,34	0.75
								1-1/4		MPBAST130516317	MPBASF130516317	0,33	0.73
								1-3/8		MPBAST130516349	MPBASF130516349	0,32	0.71
								1-7/16		MPBAST130516365	MPBASF130516365	0,32	0.71

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

MACHINED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SB – DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**		DRIVE	IDLER	KG	LBS
								1-1/2	MPBASQ130516381	MPBAST130516381	MPBASF130516381	0,32	0.71
17	138,23	5.442	139.40	5.488	62,77	2.414	30			MPBAST13051730	MPBASF13051730	0,37	0.82
							35			MPBAST13051735		0,36	0.79
							40		MPBASQ13051740	MPBAST13051740	MPBASF13051740	0,35	0.77
								1		MPBAST130517254	MPBASF130517254	0,38	0.84
								1-1/4		MPBAST130517317	MPBASF130517317	0,37	0.82
								1-3/8		MPBAST130517349	MPBASF130517349	0,36	0.79
								1-7/16		MPBAST130517365	MPBASF130517365	0,36	0.79
								1-1/2	MPBASQ130517381	MPBAST130517381	MPBASF130517381	0,36	0.79
18	146,27	5.759	147,40	5.803	66,79	2.629	30			MPBAST13051830	MPBASF13051830	0,42	0.93
							35			MPBAST13051835	MPBASF13051835	0,41	0.90
							40		MPBASQ13051840	MPBAST13051840	MPBASF13051840	0,40	0.88
							50			MPBAST13051850		0,38	0.84
							60		MPBASQ13051860	MPBAST13051860		0,35	0.77
							65		MPBASQ13051865			0,34	0.75
								1		MPBAST130518254	MPBASF130518254	0,43	0.95
								1-1/4		MPBAST130518317	MPBASF130518317	0,42	0.93
								1-3/8		MPBAST130518349	MPBASF130518349	0,41	0.90
								1-7/16		MPBAST130518365	MPBASF130518365	0,41	0.90
								1-1/2	MPBASQ130518381	MPBAST130518381	MPBASF130518381	0,41	0.90
								2	MPBASQ130518508	MPBAST130518508	MPBASF130518508	0,38	0.84

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS

SPROCKETS - 1305 SERIES

SUITABLE FOR CHAINS:

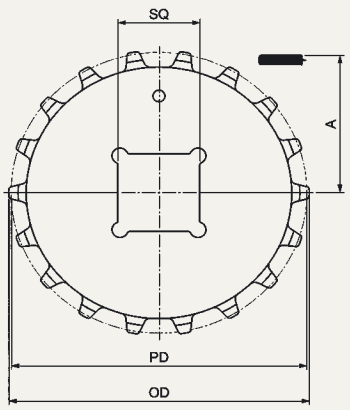
- 1305
- 1405

MATERIALS

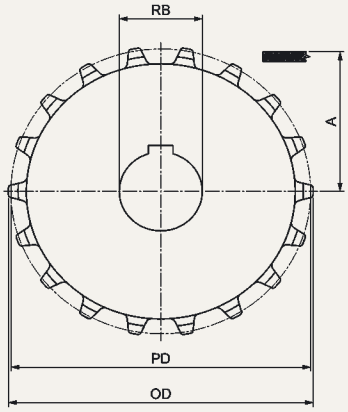
COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless steel
Nuts	B	Brass



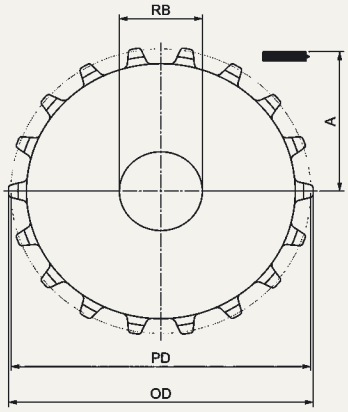
1305 SERIES MACHINED SPLIT SPROCKET



SQUARE BORE – DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE – DRIVE (RB, PD, OD, A)



ROUND BORE – IDLER (RB, PD, OD, A)



SPROCKET EDGE VIEW – 12,7 (.5"), 26 (1.024")

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**		DRIVE	IDLER	KG	LBS
19	154,32	6.076	155,40	6.118	70,81	2.788	30			MPBAST13051930	MPBASF13051930	0,47	1.04
							35			MPBAST13051935	MPBASF13051935	0,46	1.01
							40		MPBASQ13051940	MPBAST13051940	MPBASF13051940	0,45	0.99
							50		MPBASQ13051950	MPBAST13051950		0,43	0.95
							60		MPBASQ13051960			0,39	0.86
							65		MPBASQ13051965			0,37	0.82
								1		MPBAST130516254	MPBASF130516254	0,34	0.75

** In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1” PITCH HEAVY DUTY BELTS & CHAINS (CONT.)

MACHINED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**		DRIVE	IDLER	KG	LBS
								1-1/4		MPBAST130516317	MPBASF130516317	0,33	0.73
								1-3/8		MPBAST130516349	MPBASF130516349	0,32	0.71
								1-7/16		MPBAST130516365	MPBASF130516365	0,32	0.71
								1-1/2		MPBAST130516381	MPBASF130516381	0,32	0.71
20	162,37	6.393	163,50	6.437	70,84	2.946	30			MPBAST13052030	MPBASF13052030	0,53	1.17
							35			MPBAST13052035	MPBASF13052035	0,52	1.15
							40		MPBASQ13052040	MPBAST13052040	MPBASF13052040	0,51	1.12
							50		MPBASQ13052060	MPBAST13052050		0,49	1.08
							60		MPBASQ13052065	MPBAST13052060		0,46	1.01
							65					0,42	0.93
								1		MPBAST130520254	MPBASF130520254	0,54	1.19
								1-1/4		MPBAST130520317	MPBASF130520317	0,53	1.17
								1-3/8		MPBAST130520349	MPBASF130520349	0,52	1.15
								1-7/16		MPBAST130520365	MPBASF130520365	0,52	1.15
								1-1/2		MPBAST130520381	MPBASF130520381	0,52	1.15
21	170,42	6.709	171,60	6.756	78,86	3.105	30			MPBAST13052130	MPBASF13052130	0,59	1.30
							35			MPBAST13052135	MPBASF13052135	0,58	1.28
							40		MPBASQ13052140	MPBAST13052140	MPBASF13052140	0,57	1.26
							50		MPBASQ13052150	MPBAST13052150		0,55	1.21
							60		MPBASQ13052160	MPBAST13052160		0,52	1.15
							65		MPBASQ13052165			0,48	1.06
								1		MPBAST130521254	MPBASF130521254	0,60	1.32
								1-1/4		MPBAST130521317	MPBASF130521317	0,59	1.30
								1-3/8		MPBAST130521349	MPBASF130521349	0,58	1.28
								1-7/16	MPBASQ130521365	MPBAST130521365	MPBASF130521365	0,58	1.28
								1-1/2	MPBASQ130521381	MPBAST130521381	MPBASF130521381	0,58	1.28
								2	MPBASQ130521508	MPBAST130521508	MPBASF130521508	0,48	1.06

REGINA

1¼” PITCH HEAVY DUTY SIDEFLEXING BELTS

MATVEYOR

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

2556HTB SERIES – STANDARD SIDEFLEXING RADIUS (METRIC STANDARD)

TAB+BEARING

12,7 mm (0.5") THICKNESS

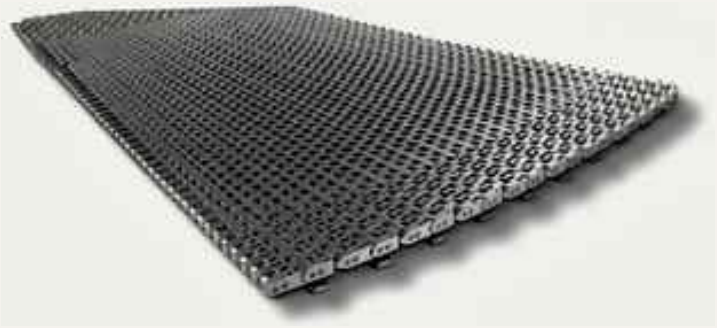
REINFORCED OUTER MODULES

STANDARD SIDEFLEXING RADIUS

For traditional left, right or "U" turn conveying.

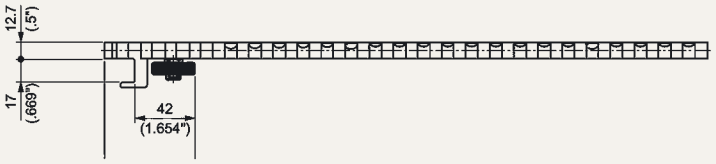
Average ratio between internal sideflexing radius and width = **1.8**.

Guide system with **one side TAB+ Stainless Steel Bearing (waterproof)**.

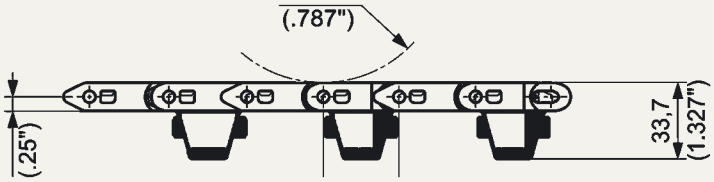


2556HTB SIDEFLEXING BELT

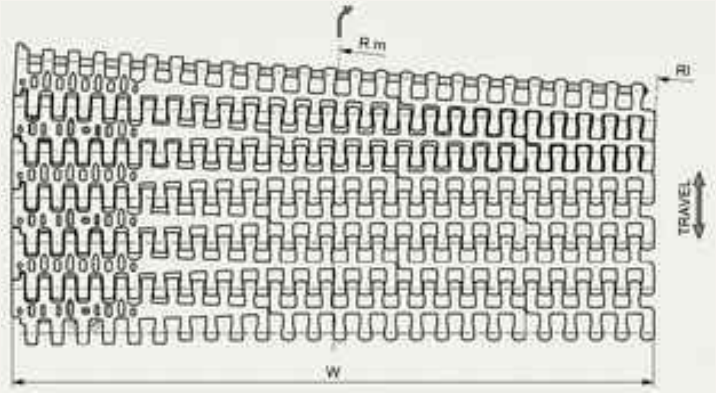
› **Belt widths:** from 255 mm (10.04") to 850 mm (33.46") in 85 mm (3.35") increments



SIDE VIEW – 12,7 (.5"), 17 (.669"), 42 (1.654"), 63,5 (2.5")



CROSS-SECTION – R 20 (.787"), 6,35 (.25"), 31,75 (1.25"), 33,7 (1.327")



PLAN VIEW – BELT WIDTH W, INNER RADIUS RI, MEDIUM RADIUS RM, DIRECTION OF TRAVEL

2556HTB SERIES - METRIC STANDARD

MATERIALS			WIDTH W		SIDEFLEXING RADIUS				WEIGHT	
		PART NUMBER			INNER RI		MEDIUM RM			
MODULE	PIN		MM	INCH	MM	INCH	MM	INCH	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0255	255	10.04	472,5	18.60	600	23.62	3,24	2.18
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0340	340	13.39	630,0	24.80	800	31.50	3,97	2.67
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0425	425	16.73	787,3	31.00	1000	39.37	4,70	3.16
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0510	510	20.08	945,0	37.21	1200	47.24	5,43	3.65
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0595	595	23.43	1102,5	43.41	1400	55.12	6,16	4.14
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0680	680	26.77	1260,0	49.61	1600	62.99	6,90	4.64
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0765	765	30.12	1417,5	55.81	1800	70.87	7,63	5.13
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-UP0850	850	33.46	1575,0	62.01	2000	78.74	8,36	5.62

Standard packaging: Rolls of 1,524 m (5 ft).

REGINA

1¼” PITCH HEAVY DUTY SIDEFLEXING BELTS

2556HTB-SR SERIES – REDUCED SIDEFLEXING RADIUS (METRIC STANDARD)

TAB+BEARING

12,7 mm (0.5") THICKNESS

REINFORCED OUTER MODULES

REDUCED SIDEFLEXING RADIUS

For traditional left, right or “U” turn conveying.

Average ratio between internal sideflexing radius and width = **1.2**.

Suitable to be used in more compact conveyors, saving flor space.

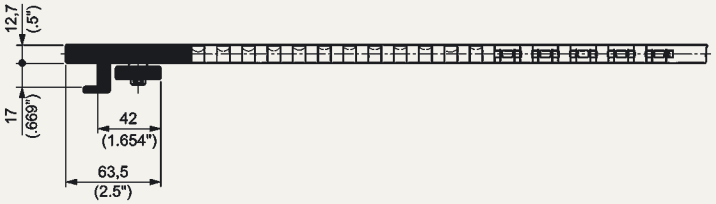
For **heavy duty** applications with high working load and speed.

Guide system with **one side TAB+Stainless Steel Bearing (waterproof)**.

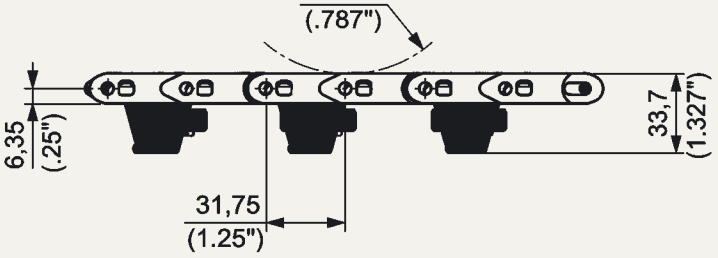


2556HTB-SR SIDEFLEXING BELT

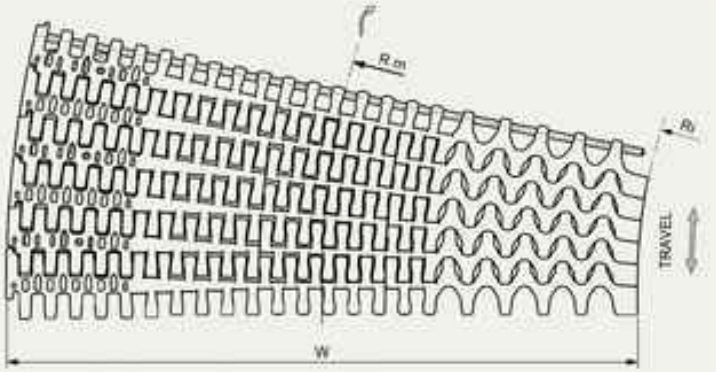
› **Belt widths:** from 340 mm (13.39") to 850 mm (33.46") in 85 mm (3.35") increments



SIDE VIEW – 12,7 (.5"), 17 (.669"), 42 (1.654"), 63,5 (2.5")



CROSS-SECTION – R 20 (.787"), 6,35 (.25"), 31,75 (1.25"), 33,7 (1.327")



PLAN VIEW – BELT WIDTH W, INNER RADIUS RI, MEDIUM RADIUS RM, DIRECTION OF TRAVEL

2556HTB-SR SERIES - METRIC STANDARD

MATERIALS		PART NUMBER	WIDTH W		SIDEFLEXING RADIUS				WEIGHT	
					INNER RI		MEDIUM RM			
MODULE	PIN		MM	INCH	MM	INCH	MM	INCH	KG/M	LBS/FT
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0340	340	13.39	330,0	12.99	500	19.69	3,91	2.63
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0425	425	16.73	387,5	15.26	600	23.62	4,70	3.16
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0510	510	20.08	545,0	21.46	800	31.50	5,43	3.65
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0595	595	23.43	702,5	27.66	1000	39.37	6,17	4.15
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0680	680	26.77	860,0	33.86	1200	47.24	6,90	4.64
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0765	765	30.12	1017,5	40.06	1400	55.12	7,63	5.13
ULTRA PERFORMANCE HOMOPOLYMER DELRIN® (UP)	PBT	2556HTB-SRUP0850	850	33.46	1175,5	46.26	1600	62.99	8,36	5.62

Standard packaging: Rolls of 1,524 m (5 ft).

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

SPROCKETS - 2556 SERIES

SUITABLE FOR CHAINS:

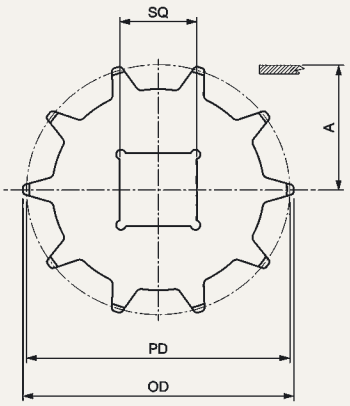
- 2556HTB
- 2556HTB-SR

MATERIALS

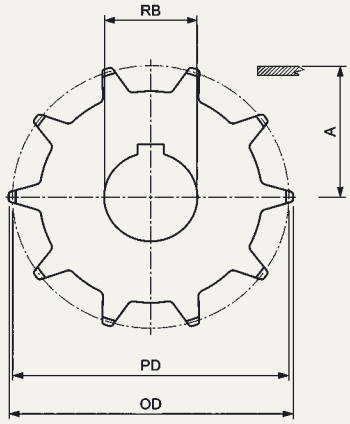
SPROCKETS: **PA** — POLYAMIDE



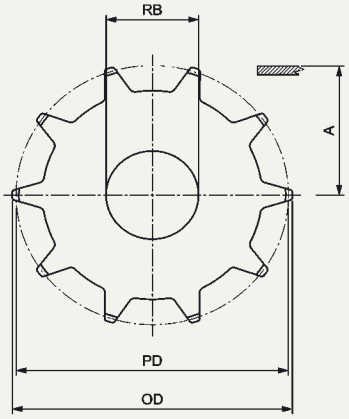
2556 SERIES SPROCKET



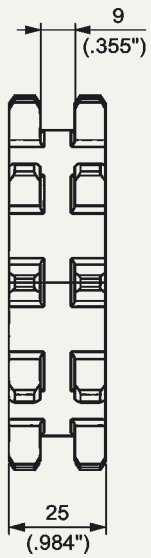
SQUARE BORE - DRIVE/IDLER (SQ, A, PD, OD)



ROUND BORE - DRIVE (RB, A, PD, OD)



ROUND BORE - IDLER (RB, A, PD, OD)



SPROCKET EDGE VIEW – 9 (.355"), 25 (.984")

MACHINED DOUBLE ROW SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE**		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH***	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
8*	82,97	3.267	86,50	3.406	35,14	1.383	30			MPBAT255508D30	MPBAF255508D30	0,08	0.17
8*	82,97	3.267	86,50	3.406	35,14	1.383	35			MPBAT255508D35	MPBAF255508D35	0,07	0.16
8*	82,97	3.267	86,50	3.406	35,14	1.383		1		MPBAT255508D254	MPBAF255508D254	0,08	0.19
8*	82,97	3.267	86,50	3.406	35,14	1.383		1-1/4		MPBAT255508D317	MPBAF255508D317	0,08	0.17
10	102,75	4.045	106,50	4.193	45,03	1.773	30			MPBAT255510D30	MPBAF255510D30	0,15	0.32
10	102,75	4.045	106,50	4.193	45,03	1.773	35			MPBAT255510D35	MPBAF255510D35	0,14	0.31
10	102,75	4.045	106,50	4.193	45,03	1.773	40		MPBAQ255510D40	MPBAT255510D40	MPBAF255510D40	0,13	0.29
10	102,75	4.045	106,50	4.193	45,03	1.773		1		MPBAT255510D254	MPBAF255510D254	0,16	0.34
10	102,75	4.045	106,50	4.193	45,03	1.773		1-1/4		MPBAT255510D317	MPBAF255510D317	0,15	0.32
10	102,75	4.045	106,50	4.193	45,03	1.773		1-1/2	MPBAQ255510D381	MPBAT255510D381	MPBAF255510D381	0,14	0.30

**For some shaft dimensions, shaft needs to be properly machined down to avoid interference with the belt tabs. Please contact REGINA Application Engineering for more details.*

***In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

SPROCKETS - 2556 SERIES

SUITABLE FOR CHAINS

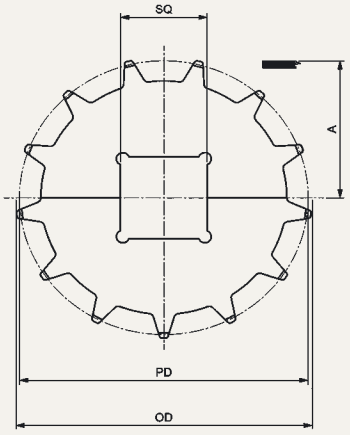
- 2556HTB
- 2556HTB-SR

MATERIALS

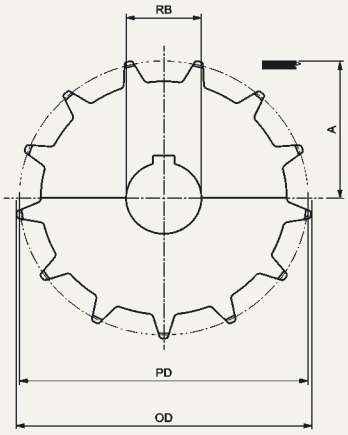
COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless Steel
Nuts	B	Brass



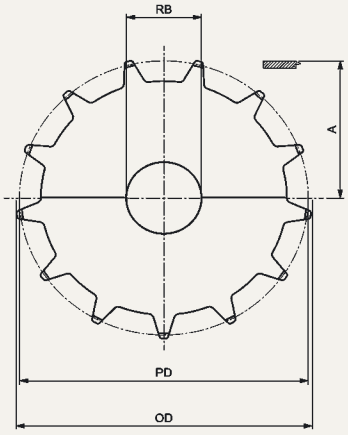
2556 SERIES MACHINED DOUBLE ROW SPLIT SPROCKET



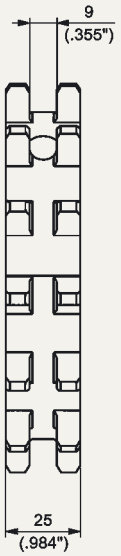
SQUARE BORE - DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE - DRIVE (RB, PD, OD, A)



ROUND BORE - IDLER (RB, PD, OD, A)



SIDE VIEW - 9 MM (.355") TOOTH, 25 MM (.984") HUB WIDTH

MACHINED DOUBLE ROW SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER SQUARE BORE SQ	PART NUMBER ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
10	102,75	4.045	106,50	4.193	45,03	1.773	30			MPBAST255510D30	MPBASF255510D30	0,18	0.40
							35			MPBAST255510D35	MPBASF255510D35	0,17	0.37
							40		MPBASQ255510D40	MPBAST255510D40	MPBASF255510D40	0,16	0.35
								1		MPBAST255510D254	MPBASF255510D254	0,19	0.42
								1¼		MPBAST255510D317	MPBASF255510D317	0,18	0.40

In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS (CONT.)

MACHINED DOUBLE ROW SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER			WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	SQUARE BORE SQ DRIVE/IDLER	ROUND BORE RB DRIVE	ROUND BORE RB IDLER	KG	LBS
								1½	MPBASQ255510D381	MPBAST255510D381	MPBASF255510D381	0,17	0.37
13	132,67	5.223	137,50	5.413	59,99	2.362	30			MPBAST255513D30	MPBASF255513D30	0,30	0.66
							35			MPBAST255513D35	MPBASF255513D35	0,29	0.64
							40		MPBASQ255513D40	MPBAST255513D40	MPBASF255513D40	0,28	0.62
								1		MPBAST255513D254	MPBASF255513D254	0,30	0.67
								1¼		MPBAST255513D317	MPBASF255513D317	0,30	0.65
								1½	MPBASQ255513D381	MPBAST255513D381	MPBASF255513D381	0,29	0.63
15	152,71	6.012	158,00	6.220	70,01	2.756	30			MPBAST255515D30	MPBASF255515D30	0,41	0.91
							35			MPBAST255515D35	MPBASF255515D35	0,41	0.89
							40		MPBASQ255515D40	MPBAST255515D40	MPBASF255515D40	0,40	0.88
								1		MPBAST255515D254	MPBASF255515D254	0,42	0.92
								1¼		MPBAST255515D317	MPBASF255515D317	0,41	0.91
								1½	MPBASQ255515D381	MPBAST255515D381	MPBASF255515D381	0,40	0.88
16	162,75	6.407	168,00	6.614	75,03	2.954	30			MPBAST255516D30	MPBASF255516D30	0,48	1.05
							35			MPBAST255516D35	MPBASF255516D35	0,47	1.04
							40		MPBASQ255516D40	MPBAST255516D40	MPBASF255516D40	0,46	1.02
								1		MPBAST255516D254	MPBASF255516D254	0,48	1.07
								1¼		MPBAST255516D317	MPBASF255516D317	0,48	1.05
								1½	MPBASQ255516D381	MPBAST255516D381	MPBASF255516D381	0,47	1.03

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

SPROCKETS - 2556 SERIES

SUITABLE FOR CHAINS

› 2556HTB-SR

These sprockets are used for 2556HTB-SR belts only.

One drive and one idler sprocket are needed for each belt regardless of its width.

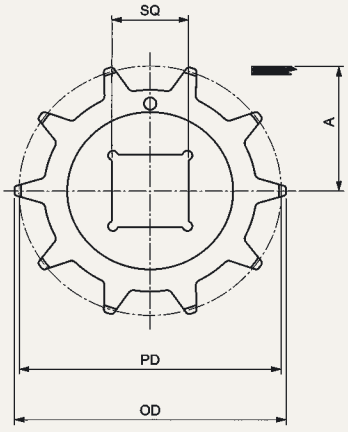
For more information on the correct position of these sprockets please contact REGINA Application Engineers.

MATERIALS

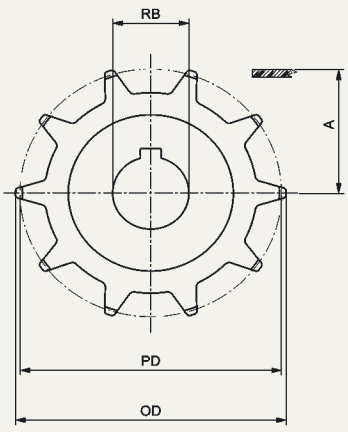
COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide



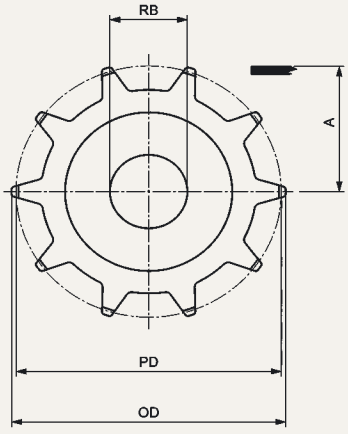
2556 SERIES MACHINED SOLID SPROCKET



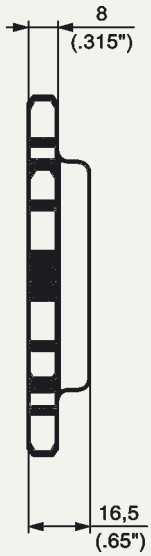
SQUARE BORE - DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE - DRIVE (RB, PD, OD, A)



ROUND BORE - IDLER (RB, PD, OD, A)



SIDE VIEW - 8 MM (.315") TOOTH, 16,5 MM (.65") HUB WIDTH

MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE**		PART NUMBER SQUARE BORE SQ	PART NUMBER ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH***	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
8*	82,97	3.267	86,50	3.406	35,14	1.383	35			MPBAT25550830	MPBAF25550830	0,04	0.09
							40			MPBAT25550835	MPBAF25550835	0,03	0.08
								1		MPBAT255508254	MPBAF255508254	0,04	0.10
								1¼		MPBAT255508317	MPBAF255508317	0,04	0.08
10	102,75	4.045	106,50	4.193	45,03	1.773	30			MPBAT25551030	MPBAF25551030	0,08	0.17
							35			MPBAT25551035	MPBAF25551035	0,07	0.16
							40		MPBAQ25551040	MPBAT25551040	MPBAF25551040	0,06	0.14
								1		MPBAT255510254	MPBAF255510254	0,08	0.18
								1¼		MPBAT255510317	MPBAF255510317	0,07	0.16
								1½	MPBAQ255510381	MPBAT255510381	MPBAF255510381	0,07	0.15

*For some shaft dimensions, shaft needs to be properly machined down to avoid interference with the belt tabs. Please contact REGINA Application Engineering for more details.

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

SPROCKETS - 2556 SERIES

SUITABLE FOR CHAINS

› 2556HTB-SR

MATERIALS

COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless Steel
Nuts	B	Brass

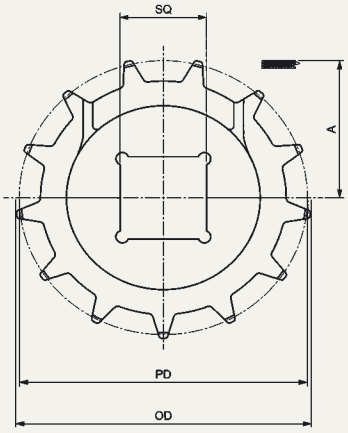
These sprockets are used for 2556HTB-SR belts only.

One drive and one idler sprocket are needed for each belt regardless of its width.

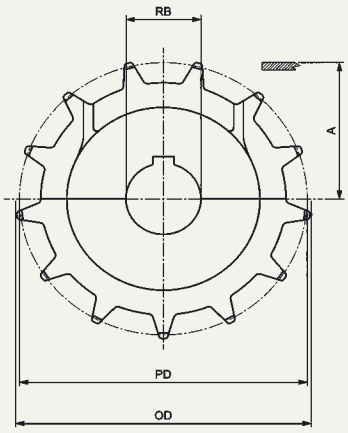
For more information on the correct position of these sprockets please contact REGINA Application Engineers.



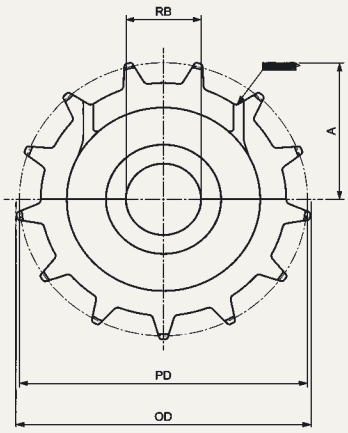
2556 SERIES MACHINED SPLIT SPROCKET



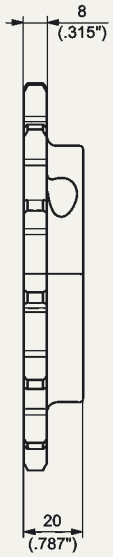
SQUARE BORE - DRIVE/IDLER (SQ, PD, OD, A)



ROUND BORE - DRIVE (RB, PD, OD, A)



ROUND BORE - IDLER (RB, PD, OD, A)



SIDE VIEW - 8 MM (.315") TOOTH, 20 MM (.787") HUB WIDTH

MACHINED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		SQUARE BORE SQ	PART NUMBER ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
10	102,75	4.045	106,50	4.193	45,03	1.773	30			MPBAST25551030	MPBASF25551030	0,11	0.24
							35			MPBAST25551035	MPBASF25551035	0,10	0.22
								1		MPBAST255510254	MPBASF255510254	0,12	0.26
								1¼		MPBAST255510317	MPBASF255510317	0,11	0.24
13	132,67	5.223	137,50	5.413	59,99	2.362	30			MPBAST25551330	MPBASF25551330	0,20	0.43

**In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*
*** Imperial round bore drive sprockets are supplied with setscrew. Metric round bore drive sprockets are supplied without setscrew.*

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS (CONT.)

MACHINED SPLIT DRIVE AND IDLER SPROCKETS (CONT.)

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER SQUARE BORE SQ	PART NUMBER ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
							35			MPBAST25551335	MPBASF25551335	0,19	0.42
							40		MPBASQ25551340	MPBAST25551340	MPBASF25551340	0,18	0.40
								1		MPBAST255513254	MPBASF255513254	0,20	0.44
								1¼		MPBAST255513317	MPBASF255513317	0,19	0.43
								1½	MPBASQ255513381	MPBAST255513381	MPBASF255513381	0,19	0.41
15	152,71	6.012	158,00	6.220	70,01	2.756	30			MPBAST25551530	MPBASF25551530	0,26	0.58
							35			MPBAST25551535	MPBASF25551535	0,26	0.57
							40		MPBASQ25551540	MPBAST25551540	MPBASF25551540	0,25	0.56
								1		MPBAST255515254	MPBASF255515254	0,27	0.59
								1¼		MPBAST255515317	MPBASF255515317	0,26	0.58
								1½	MPBASQ255515381	MPBAST255515381	MPBASF255515381	0,25	0.56
16	162,75	6.407	168,00	6.614	75,03	2.954	30			MPBAST25551630	MPBASF25551630	0,29	0.63
							35			MPBAST25551635	MPBASF25551635	0,28	0.62
							40		MPBASQ25551640	MPBAST25551640	MPBASF25551640	0,27	0.60
								1		MPBAST255516254	MPBASF255516254	0,29	0.64
								1¼		MPBAST255516317	MPBASF255516317	0,28	0.63
								1½	MPBASQ255516381	MPBAST255516381	MPBASF255516381	0,28	0.61

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS

SPROCKETS - 2556 SERIES

SUITABLE FOR CHAINS

› 2556HTB-SR

MATERIALS

COMPONENT	CODE	MATERIAL
Sprockets	PA	Polyamide
Screws	SS	Stainless Steel
Inserts	B	Brass

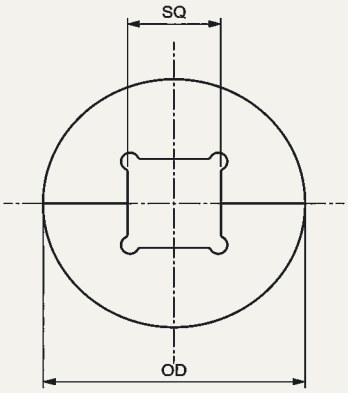
These supporting wheels are used for 2556HTB-SR belts only in order to support the inner module.

Two supporting wheels are needed (for drive and idler shaft) for each belt regardless of its width.

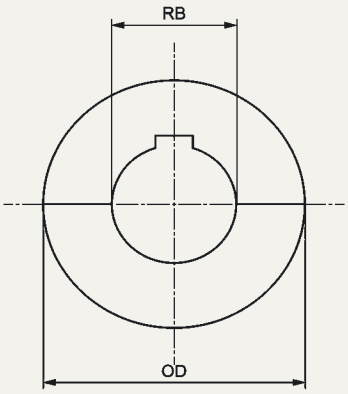
For more information on the correct position of these sprockets please contact REGINA Application Engineers.



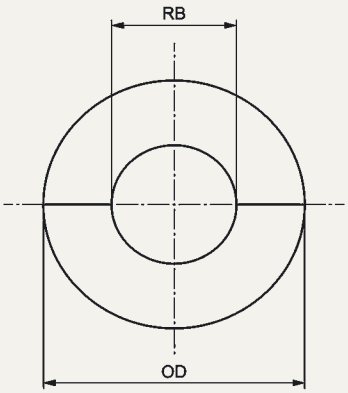
2556 SERIES MACHINED SPLIT SUPPORTING WHEEL



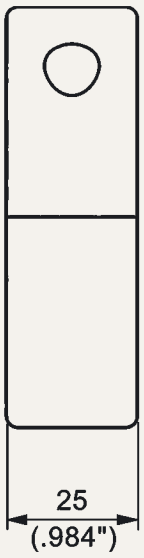
SQUARE BORE - DRIVE/IDLER (SQ, OD)



ROUND BORE - DRIVE (RB, OD)



ROUND BORE - IDLER (RB, OD)



SIDE VIEW - 25 MM (.984") WIDTH

MACHINED SPLIT SUPPORTING WHEELS

N. TEETH	OUTSIDE DIAMETER OD		BORE SIZE*		PART NUMBER			WEIGHT	
					SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
8	63	2.480	30			CC255001	CC255029	0,08	0.18
			35			CC255002	CC255030	0,07	0.16
				1		CC255003	CC255031	0,09	0.19
				1¼		CC255004	CC255032	0,08	0.17
10	84	3.307	30			CC255005	CC255033	0,16	0.35

**In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

REGINA

1¼" PITCH HEAVY DUTY SIDEFLEXING BELTS (CONT.)

MACHINED SPLIT SUPPORTING WHEELS (CONT.)

N. TEETH	OUTSIDE DIAMETER OD		BORE SIZE*		PART NUMBER			WEIGHT	
					SQUARE BORE SQ	ROUND BORE RB			
	MM	INCH	MM	INCH	DRIVE/IDLER	DRIVE	IDLER	KG	LBS
			35			CC255006	CC255034	0,15	0.34
			40		CC255057	CC255007	CC255035	0,14	0.32
				1		CC255008	CC255036	0,17	0.37
				1¼		CC255009	CC255037	0,16	0.35
				1½	CC255058	CC255010	CC255038	0,15	0.33
13	115	4.528	30			CC255011	CC255039	0,30	0.66
			35			CC255012	CC255040	0,29	0.64
			40		CC255059	CC255013	CC255041	0,28	0.62
				1		CC255014	CC255042	0,30	0.67
				1¼		CC255015	CC255043	0,30	0.65
				1½	CC255060	CC255016	CC255044	0,29	0.63
15	135	5.315	30			CC255017	CC255045	0,41	0.91
			35			CC255018	CC255046	0,41	0.89
			40		CC255061	CC255019	CC255047	0,40	0.88
				1		CC255020	CC255048	0,42	0.92
				1¼		CC255021	CC255049	0,41	0.91
				1½	CC255062	CC255022	CC255050	0,40	0.88
16	145	5.709	30			CC255023	CC255051	0,48	1.05
			35			CC255024	CC255052	0,47	1.03
			40		CC255063	CC255025	CC255053	0,46	1.01
				1		CC255026	CC255054	0,48	1.06
				1¼		CC255027	CC255055	0,47	1.04
				1½	CC255064	CC255028	CC255056	0,46	1.02

REGINA

HEAVY DUTY FIXED RADIUS BELTS

MATVEYOR

MATVEYOR

Heavy Duty Fixed Radius Belts

REGINA

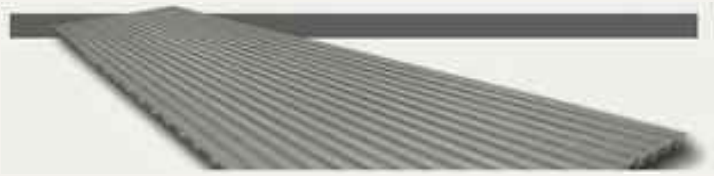
HEAVY DUTY FIXED RADIUS BELTS

4650 SERIES – METRIC STANDARD

8,7 MM (0.343") THICKNESS - SOLID TOP

For traditional left, right or "U" turn conveying.

- **Belt widths:** from 340 mm (13.39") to 850 mm (33.46") in 85 mm (3.35") increments
- **Belt inner radius:** from 600 mm (23.62") to 1025 mm (40.35")
- **Belt weight:** 8,9 kg/m² (1.82 lbs/ft²)



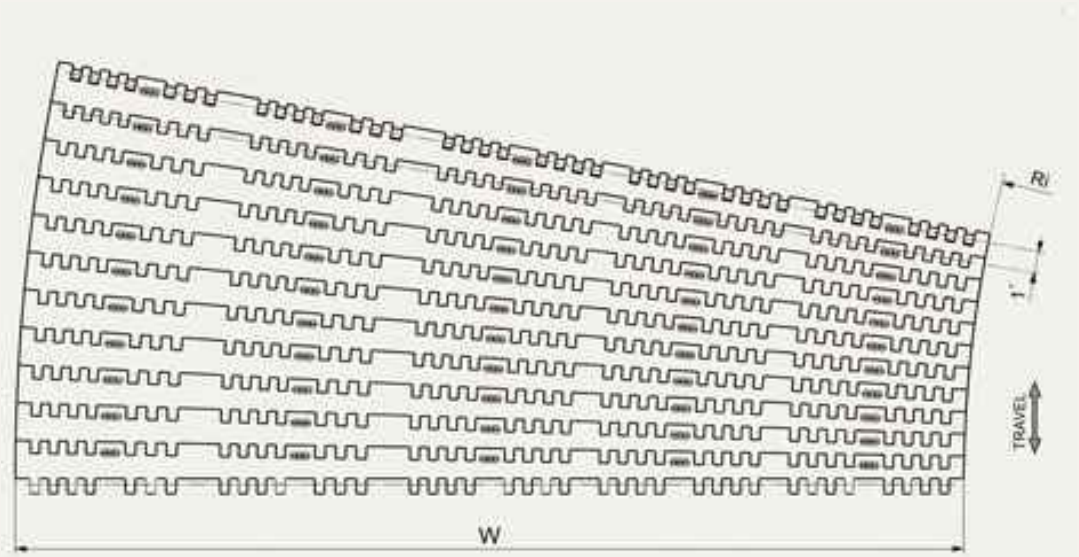
8,7 MM SOLID TOP FIXED RADIUS BELT



SIDE VIEW – 8,7 (.343") BELT THICKNESS



END VIEW – 4,35 (.171")



FIXED RADIUS BELT PLAN VIEW – BELT WIDTH W, INNER SIDEFLEXING RADIUS RI, 1° MODULE ANGLE, DIRECTION OF TRAVEL

REGINA

HEAVY DUTY FIXED RADIUS BELTS (CONT.)

HEAVY DUTY FIXED RADIUS BELTS - 4650 SERIES

MATERIALS		PART NUMBER	WIDTH W		INNER SIDEFLEXING RADIUS RI		WORKING LOAD	
MODULE	PIN		MM	INCH	MM	INCH	N	LBS
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0340A01	340	13.39	600	23.62	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0425A01	425	16.73	600	23.62	10625	2,388
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0510A01	510	20.08	600	23.62	12750	2,866
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0595A01	595	23.43	600	23.62	1875	3,344
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0680A01	680	26.77	600	23.62	17000	3,822
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0765A01	765	30.12	600	23.62	19125	4,299
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0850A01	850	33.46	600	23.62	21250	4,777
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0340A03	340	13.39	770	23.62	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0425A03	425	16.73	770	30.31	10625	2,388
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0510A03	510	20.08	770	30.31	12750	2,866
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0595A03	595	23.43	770	30.31	14875	3,344
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0680A03	680	26.77	770	30.31	17000	3,822
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0340A06	340	13.39	1025	40.35	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	4650UP0425A06	425	16.73	1025	40.35	10625	2,388

P/N for 90° curves.

REGINA

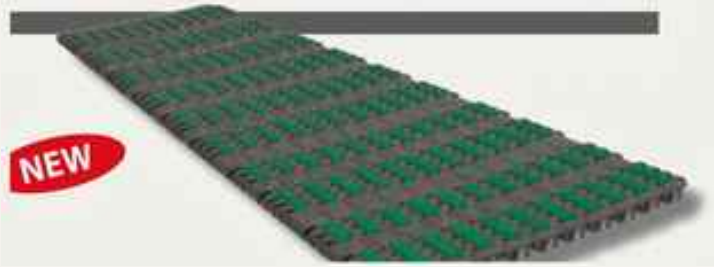
HEAVY DUTY FIXED RADIUS BELTS

HF 4650 SERIES – METRIC STANDARD

8,7 MM (0.343") THICKNESS - RUBBERIZED SURFACE

For traditional left, right or "U" turn conveying.

- **Belt widths:** from 340 mm (13.39") to 850 mm (33.46") in 85 mm (3.35") increments
- **Belt inner radius:** from 600 mm (23.62") to 1025 mm (40.35")
- **Belt weight:** 9,8 kg/m² (2.01 lbs/ft²)



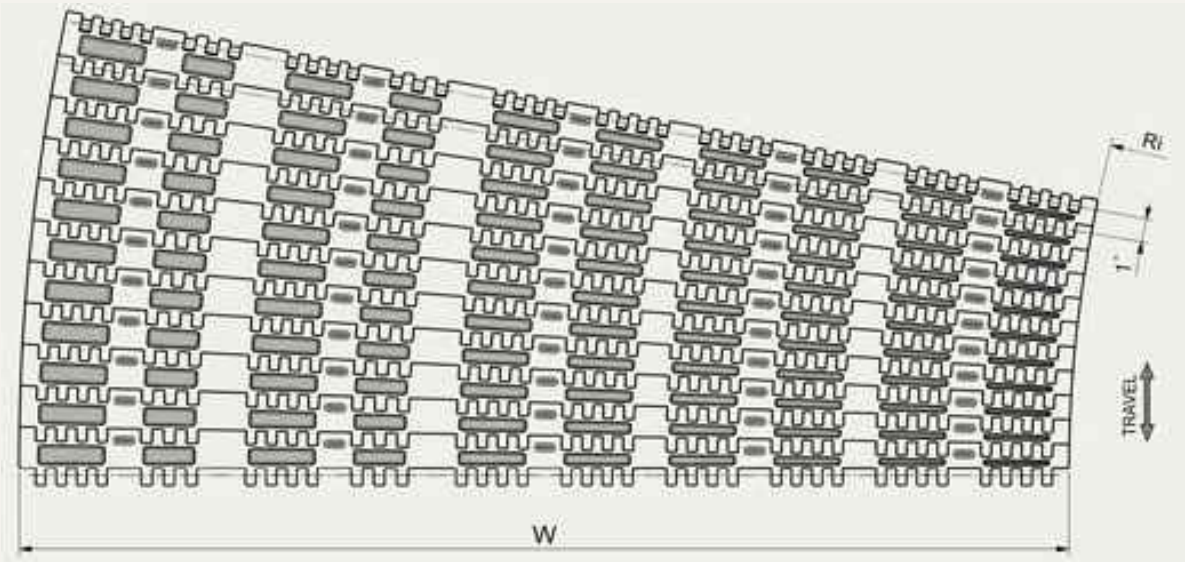
8,7 MM RUBBERIZED SURFACE FIXED RADIUS BELT



SIDE VIEW – 1,3 (.051") RUBBER, 8,7 (.343") BELT THICKNESS



END VIEW – 4,35 (.171")



FIXED RADIUS BELT PLAN VIEW – BELT WIDTH W, INNER SIDEFLEXING RADIUS RI, 1° MODULE ANGLE, DIRECTION OF TRAVEL

REGINA

HEAVY DUTY FIXED RADIUS BELTS (CONT.)

HEAVY DUTY FIXED RADIUS BELTS - HF 4650 SERIES

MATERIALS			PART NUMBER	WIDTH W		INNER SIDEFLEXING RADIUS RI		WORKING LOAD	
MODULE	PIN	RUBBER		MM	INCH	MM	INCH	N	LBS
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0340A01	340	13.39	600	23.62	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0425A01	425	16.73	600	23.62	10625	2,388
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0510A01	510	20.08	600	23.62	12750	2,866
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0595A01	595	23.43	600	23.62	14875	3,344
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0680A01	680	26.77	600	23.62	17000	3,822

P/N for 90° curves.

HEAVY DUTY FIXED RADIUS BELTS - HF 4650 SERIES (CONT.)

MATERIALS			PART NUMBER	WIDTH W		INNER SIDEFLEXING RADIUS RI		WORKING LOAD	
MODULE	PIN	RUBBER		MM	INCH	MM	INCH	N	LBS
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0765A01	765	30.12	600	23.62	19125	4,299
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0850A01	850	33.46	600	23.62	21250	4,777
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0340A03	340	13.39	770	23.62	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0425A03	425	16.73	770	30.31	10625	2,388
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0510A03	510	20.08	770	30.31	12750	2,866
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0595A03	595	23.43	770	30.31	14875	3,344
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0680A03	680	26.77	770	30.31	17000	3,822
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0340A06	340	13.39	1025	40.35	8500	1,911
Ultra Performance Homopolymer Delrin® (UP)	PBT	Thermoplastic TPE – Hardness: 70 ShA	HF4650UP0425A06	425	16.73	1025	40.35	10625	2,388

REGINA

HEAVY DUTY FIXED RADIUS BELTS

SPROCKETS – 4650 SERIES

SUITABLE FOR CHAINS:

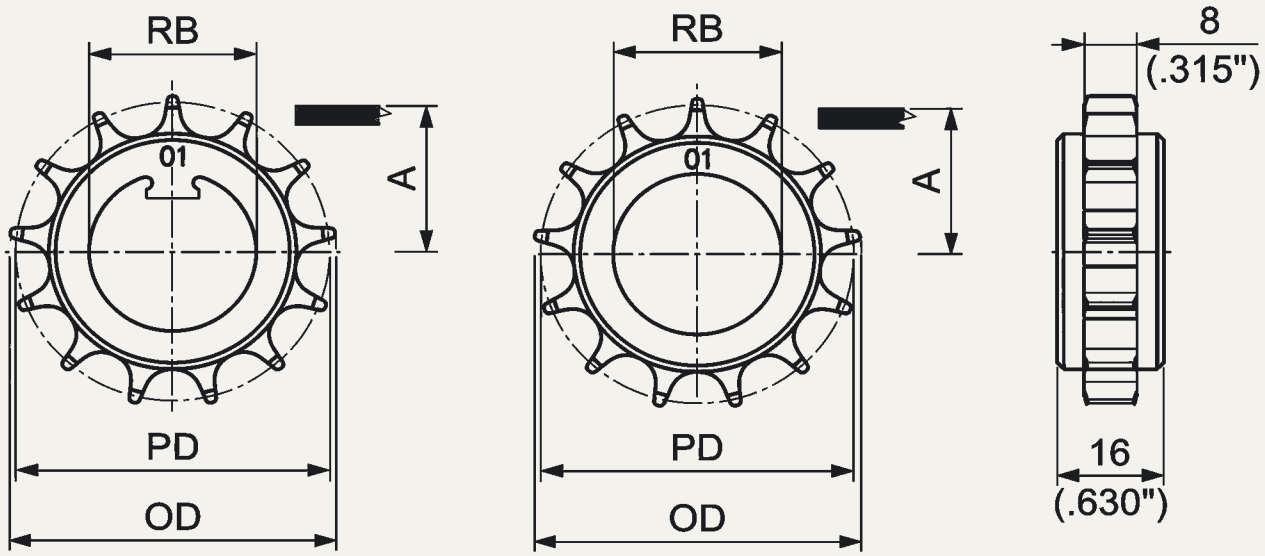
- 4650
- HF 4650

MATERIALS

Sprockets: **PA** – Polyamide



4650 SERIES SPROCKET



ROUND BORE – DRIVE AND IDLER SPROCKETS: ROUND BORE RB, PITCH DIAMETER PD, OUTSIDE DIAMETER OD, WEAR STRIP POSITIONING A, HUB WIDTH 16 (.630"), TOOTH WIDTH 8 (.315")

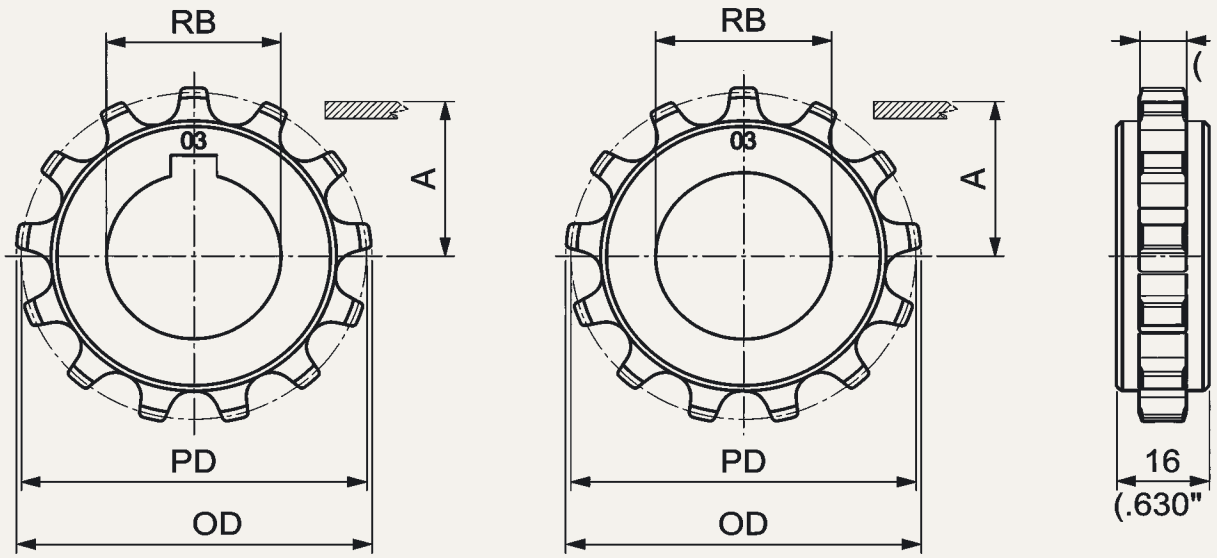
MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	BORE SIZE	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		REFERENCE N.*	PART NUMBER – ROUND BORE RB		WEIGHT	
	MM	MM	INCH	MM	INCH	MM	INCH		DRIVE	IDLER	KG	LBS
13	30	46,86	1.844	49,0	1.929	19,07	0.751	01	MPBAT4650133001	MPBAF4650133001	0,01	0.022

**Reference N. matches with the number marked in the pocket underneath the belt.*
For more detailed information, contact REGINA Technical Department.

REGINA

HEAVY DUTY FIXED RADIUS BELTS (CONT.)



ROUND BORE – DRIVE AND IDLER SPROCKETS: ROUND BORE RB, PITCH DIAMETER PD, OUTSIDE DIAMETER OD, WEAR STRIP POSITIONING A, HUB WIDTH 16 (.630”), TOOTH WIDTH 8 (.315”)

MACHINED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	BORE SIZE	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		REFERENCE N.*	PART NUMBER – ROUND BORE RB		WEIGHT	
	MM	MM	INCH	MM	INCH	MM	INCH		DRIVE	IDLER	KG	LBS
13	30	53,06	2.089	55,0	2.165	22,16	0.872	02	MPBAT4650133002	MPBAF4650133002	0,02	0.044
13	30	59,26	2.333	61,0	2.402	25,26	0.994	03	MPBAT4650133003	MPBAF4650133003	0,03	0.066
13	30	65,46	2.577	67,0	2.638	28,36	1.117	04	MPBAT4650133004	MPBAF4650133004	0,04	0.088
13	30	71,65	2.821	73,0	2.874	31,45	1.238	05	MPBAT4650133005	MPBAF4650133005	0,05	0.110
13	30	77,85	3.065	79,5	3.130	34,55	1.360	06	MPBAT4650133006	MPBAF4650133006	0,07	0.154
13	30	84,03	3.308	85,5	3.366	37,64	1.482	07	MPBAT4650133007	MPBAF4650133007	0,08	0.176
13	30	90,26	3.554	92,0	3.622	40,75	1.604	08	MPBAT4650133008	MPBAF4650133008	0,09	0.198
13	30	96,44	3.797	98,5	3.878	43,84	1.726	09	MPBAT4650133009	MPBAF4650133009	0,11	0.243
13	30	102,63	4.041	104,5	4.114	46,93	1.848	10	MPBAT4650133010	MPBAF4650133010	0,12	0.265

**Reference N. matches with the number marked in the pocket underneath the belt.*
For more detailed information, contact REGINA Technical Department.

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

MATVEYOR

MATVEYOR

2” Pitch Heavy Duty Raised Rib Belts

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

3135 SERIES – IMPERIAL STANDARD

14,2 MM (0.580") THICKNESS - RAISED RIB

Seamless product support at the edges of the belt

3135 belt is ideal for pasteurizer applications where the most unstable products such as PET bottles with petaloid bottom have to be conveyed.

The raised rib surface shows no discontinuity between modules both along the belt width and the belt travel direction, allowing containers to slide across easily without the risk of product tippage throughout the tunnel pasteurizer.

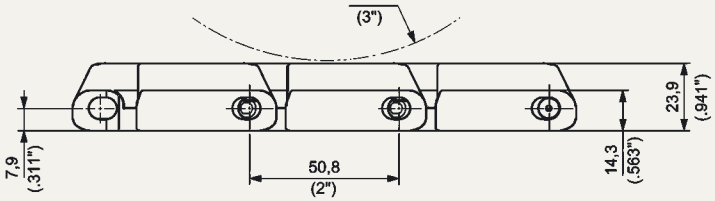


3135 RAISED RIB BELT

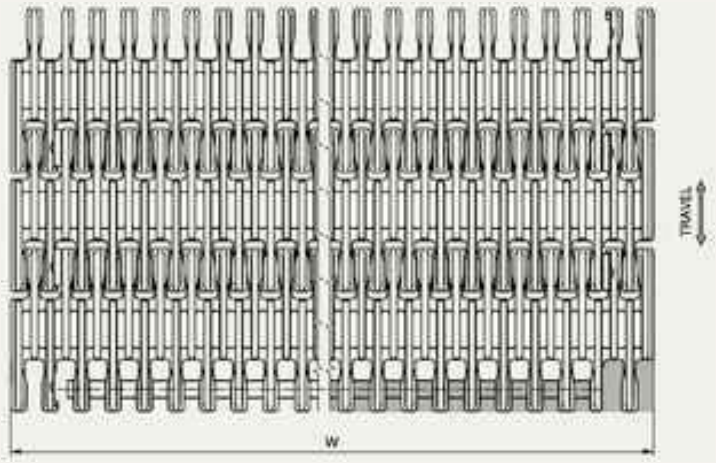
- **Belt widths:** 304,8 mm (12”) or wider in 76,2 mm (3”) increments
- **Working Load (at 25°C/77°F):** 24670 N/m (1690 lbs/ft)
- **Belt weight:** 10,76 kg/m² (2.20 lbs/ft²)



BELT EDGE VIEW – 14,2 (.580”) THICKNESS



MODULE CROSS-SECTION – 50,8 (2”) PITCH, R.76 (3”) RADIUS



TOP VIEW OF BELT SHOWING WIDTH W AND TRAVEL DIRECTION

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS (CONT.)

BELT WIDTHS & PART NUMBERS

WIDTH W		MATERIALS – MODULE: PP SPECIAL POLYPROPYLENE PART NUMBER
MM	INCH	
304,8	12	3135PP012
381,0	15	3135PP015
457,2	18	3135PP018
533,4	21	3135PP021
609,6	24	3135PP024

Pin material: polypropylene.
Belts wider than 1524 mm (60”) are available in 76,2 (3”) increments.
To identify the Part Numbers, please substitute the last three digits of the PN with the desired width.
Example: for a 63” wide belt (=60+3 inches), the PN is “3135PP063”.
Standard packaging: Belts are supplied in the length requested by the customer.

BELT WIDTHS & PART NUMBERS (CONT.)

WIDTH W		MATERIALS – MODULE: PP SPECIAL POLYPROPYLENE PART NUMBER
MM	INCH	
685,8	27	3135PP027
762,0	30	3135PP030
838,2	33	3135PP033
914,4	36	3135PP036
990,6	39	3135PP039
1066,8	42	3135PP042
1143,0	45	3135PP045
1219,2	48	3135PP048
1295,4	51	3135PP051
1371,6	54	3135PP054
1447,8	57	3135PP057
1524,0	60	3135PP060

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

TRANSFER COMBS

TRANSFER COMBS

Combs are supplied complete with slot covers but without fastening screws.

Two fastening screws are required for each comb. They can be ordered using P/N 16300005.

Special note: the comb fastening screws for 3135 belts are not interchangeable with fastening screws for 1110 belts.

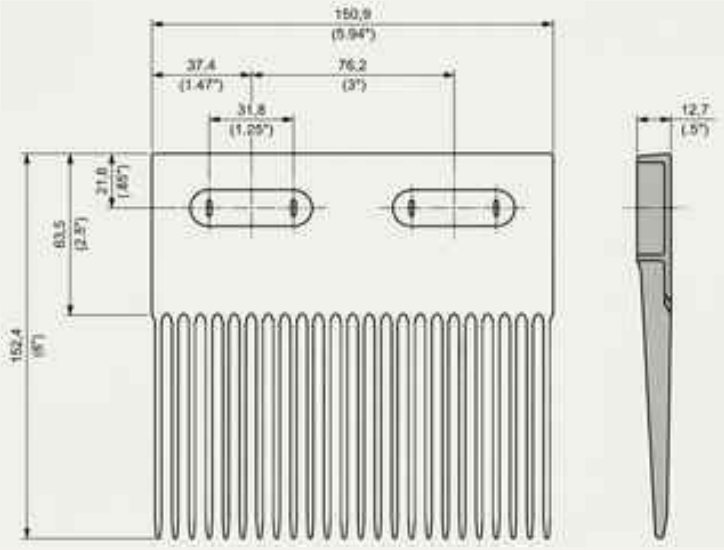


TRANSFER COMB FITTED TO THE BELT

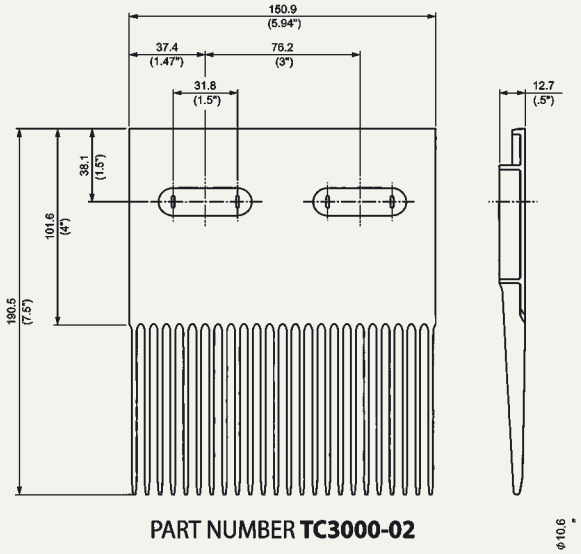
MATERIALS

MATERIALS		
COMBS:	DG	ACETAL RESIN
SCREWS*:	SS	STAINLESS STEEL

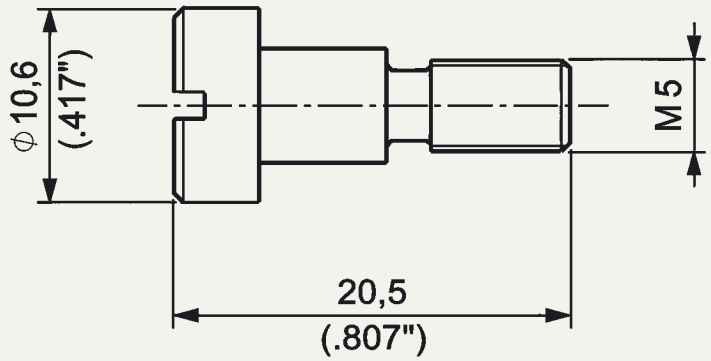
**Screws are not included in the combs.*



LONG FINGER COMB – PART NUMBER TC3000-01



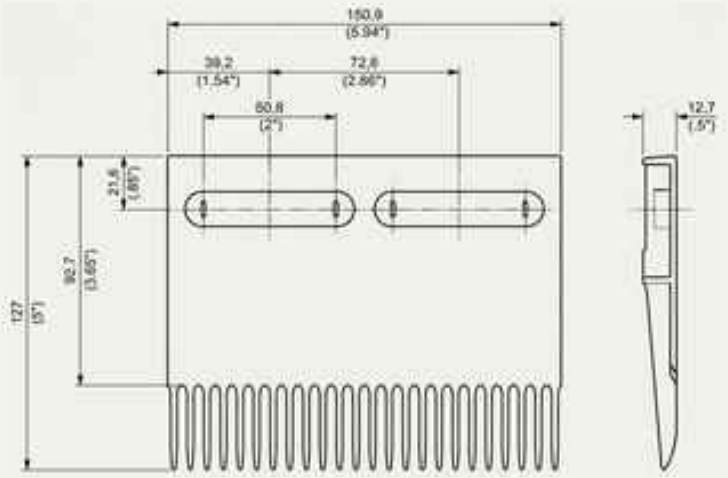
LONG FINGER COMB – PART NUMBER TC3000-02



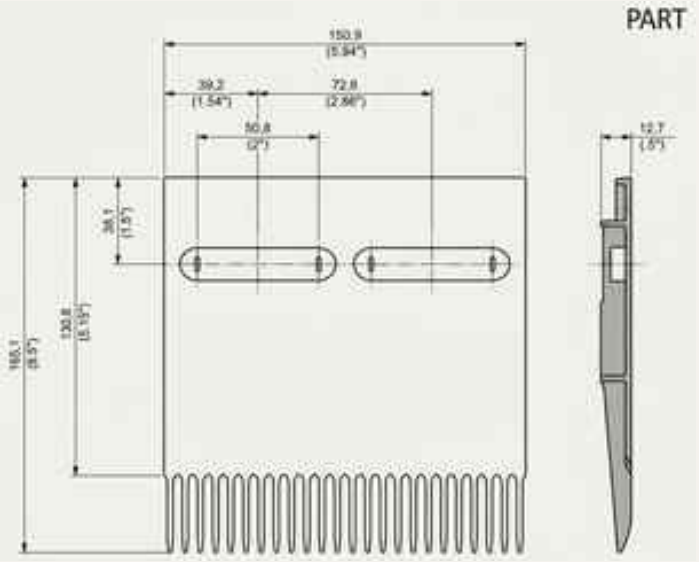
FASTENING SCREW – PART NUMBER 16300005

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS (CONT.)



SHORT FINGER COMB – PART NUMBER TC3000-03



SHORT FINGER COMB – PART NUMBER TC3000-04

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

TRANSFER COMBS

TRANSFER COMBS

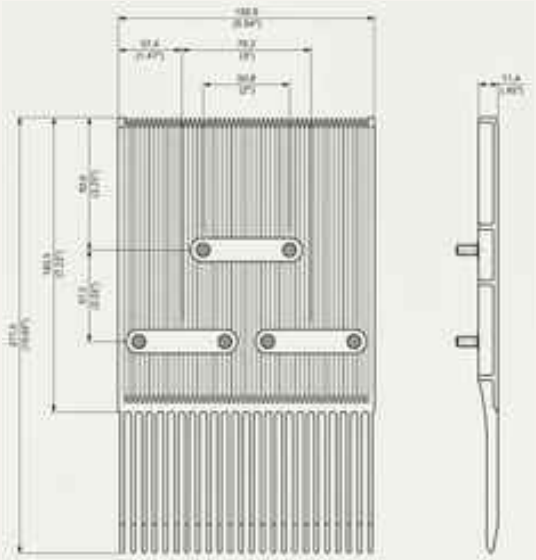
Combs are supplied complete with slot covers, bushings and fastening screws type hex socket button head ¼” x 5/8” UNI-ISO 7380.



TRANSFER COMB TC3000-05

MATERIALS

MATERIALS		
COMBS:	DG	ACETAL RESIN
SCREWS:	SS	STAINLESS STEEL



TRANSFER COMB DIMENSIONS – PART NUMBER TC3000-05

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

SPROCKETS – 3000 SERIES

SUITABLE FOR CHAINS

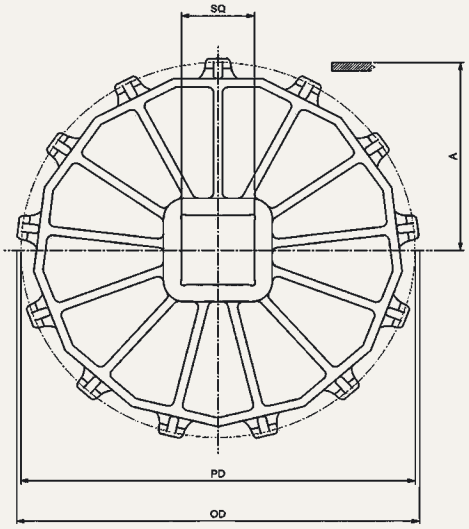
› 3135

MATERIALS

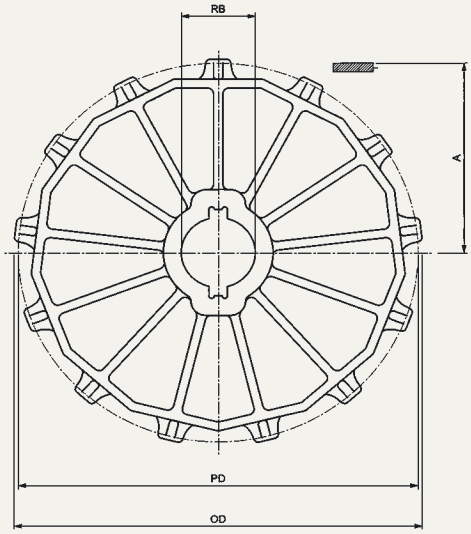
COMPONENT	CODE	MATERIAL
Sprockets	WA	Acetal resin



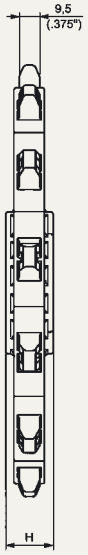
MOULDED SOLID SPROCKET, SQUARE BORE



SQUARE BORE – DRIVE/IDLER (PD, OD, A)



ROUND BORE – DRIVE (PD, OD, A)



SIDE SECTION – HUB WIDTH H, 9.5 MM (.375 IN)

MOULDED SOLID DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER		HUB WIDTH H		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB – DRIVE	MM	INCH	KG	LBS
10	164,39	6.472	162,60	6.402	74,30	2.925	40		19200026	19200028	22,20	0.874	0,20	0.44
10	164,39	6.472	162,60	6.402	74,30	2.925	50			19200036	22,20	0.874	0,21	0.46
10	164,39	6.472	162,60	6.402	74,30	2.925	60		19200024		47,60	1.874	0,29	0.64
10	164,39	6.472	162,60	6.402	74,30	2.925	65		19200027		47,60	1.874	0,25	0.55
10	164,39	6.472	162,60	6.402	74,30	2.925		1½	19200016	19200009	22,20	0.874	0,19	0.43
10	164,39	6.472	162,60	6.402	74,30	2.925		2	19200017	19200010	22,20	0.874	0,23	0.51
10	164,39	6.472	162,60	6.402	74,30	2.925		2½	19200018		47,60	1.874	0,27	0.59
13	212,27	8.357	212,30	8.358	98,20	3.866	40		19200025		22,20	0.874	0,33	0.74
13	212,27	8.357	212,30	8.358	98,20	3.866	60		19200037		47,60	1.874	0,44	0.97
13	212,27	8.357	212,30	8.358	98,20	3.866	65			19200033	22,20	0.874	0,32	0.71
13	212,27	8.357	212,30	8.358	98,20	3.866	65		19200030	19200053	47,60	1.874	0,39	0.86
13	212,27	8.357	212,30	8.358	98,20	3.866	90		19200031	19200045	47,60	1.874	0,41	0.91
13	212,27	8.357	212,30	8.358	98,20	3.866		1¼	19200019	19200001	47,60	1.874	0,34	0.75

REGINA

2” PITCH HEAVY DUTY RAISED RIB BELTS

SPROCKETS – 3000 SERIES

SUITABLE FOR CHAINS

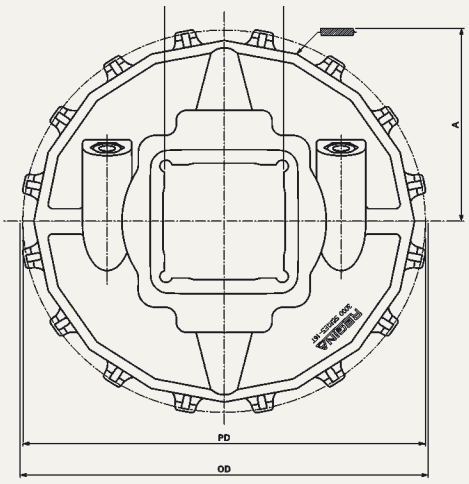
› 3135

MATERIALS

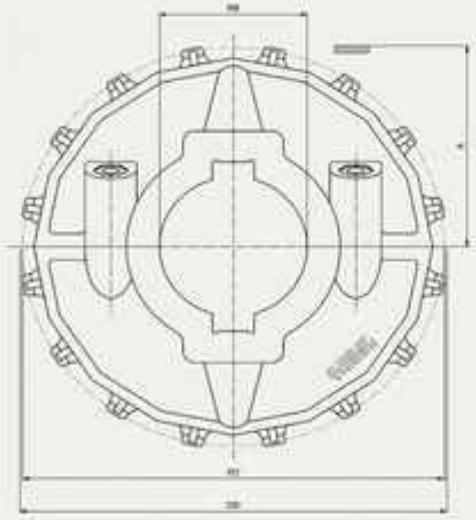
COMPONENT	CODE	MATERIAL
Sprockets	WA	Acetal resin
Screws	SS	Stainless steel
Nuts	SS	Stainless steel



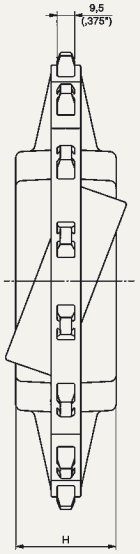
MOULDED SPLIT SPROCKET, ROUND BORE



SQUARE BORE – DRIVE/IDLER (PD, OD, A)



ROUND BORE – DRIVE (PD, OD, A)



SIDE SECTION – HUB WIDTH H, 9.5 MM (.375 IN)

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER		HUB WIDTH H		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	SQUARE BORE SQ – DRIVE/IDLER	ROUND BORE RB – DRIVE	MM	INCH	KG	LBS
16	260,40	10.252	261,40	10.291	122,26	4.813	65		19200111W	19200109W	54,00	2.126	1,85	4.08
16	260,40	10.252	261,40	10.291	122,26	4.813	90		19200114W	19200112W	54,00	2.126	1,56	3.44
16	260,40	10.252	261,40	10.291	122,26	4.813		2½	19200105W	19200103W	54,00	2.126	1,86	4.10
16	260,40	10.252	261,40	10.291	122,26	4.813		3½	19200108W	19200106W	54,00	2.126	1,57	3.45

**In case of round bore, diameter is indicated. In case of square bore, side of the square is indicated.*

REGINA

1½” PITCH HEAVY DUTY UCC CHAINS

MATVEYOR

MATVEYOR

1½" Pitch Heavy Duty UCC Chains

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

12,7 MM (0.5") THICKNESS – SOLID TOP

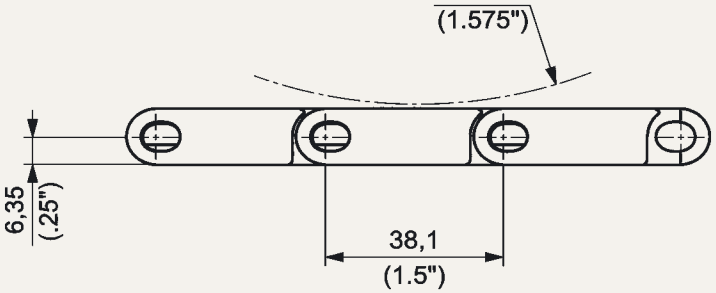


UCC SOLID TOP CHAIN

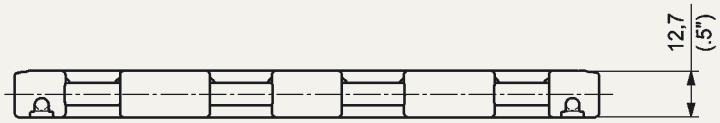
12,7 MM (0.5") THICKNESS - SOLID TOP

Stainless steel pins for ideal performance in heavy duty applications.

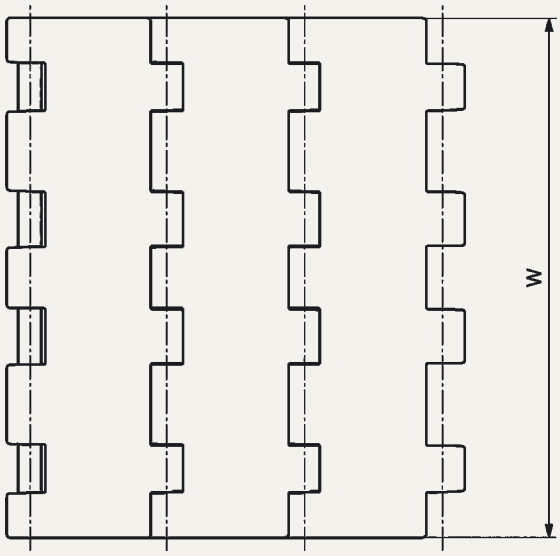
A complete range of dedicated width chains. Completely closed surface, no gap between the modules, even with engaging in the sprockets. Particulary suitable for glass bottling lines and glass manufacturing industry.



SIDE VIEW – R 40 (1.575"), PITCH 38,1 (1.5"), 6,35 (.25")



END VIEW – PLATE THICKNESS 12,7 (.5")



TOP VIEW – WIDTH W, DIRECTION OF TRAVEL

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS (CONT.)

UCC SERIES CHAINS

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
PLATE: ULTRA LOW FRICTION POLYESTER RESIN (ULF) — PIN: AUSTENITIC STAINLESS STEEL									
UCC 325 SS	66100111	82,6	3.25	12,7	0.5	2505	563	1,26	0.85
UCC 450 SS	66100141	114,3	4.50	12,7	0.5	3469	780	1,74	1.17
UCC 600 SS	66100161	152,4	6.00	12,7	0.5	4625	1040	2,32	1.56
UCC 750 SS	66100151	190,5	7.50	12,7	0.5	5781	1300	2,93	1.97
UCC 1200 SS	66100191	304,8	12.00	12,7	0.5	9270	2061	4,64	3.12
UCC 1500 SS	66100181	381,0	15.00	12,7	0.5	11590	2605	5,81	3.90
UCC 1800 SS	66100221	457,2	18.00	12,7	0.5	13900	3125	6,97	4.69
UCC 2400 SS	66100231	609,6	24.00	12,7	0.5	18540	4168	9,27	6.23
PLATE: SPECIAL DELRIN® REINFORCED WITH KEVLAR® — PIN: AUSTENITIC STAINLESS STEEL									
D2K UCC 325 SS	D2K66100111	82,6	3.25	12,7	0.5	2505	563	1,33	0.89
D2K UCC 450 SS	D2K66100141	114,3	4.50	12,7	0.5	3469	780	1,83	1.23
D2K UCC 600 SS	D2K66100161	152,4	6.00	12,7	0.5	4625	1040	2,43	1.64
D2K UCC 750 SS	D2K66100151	190,5	7.50	12,7	0.5	5781	1300	3,07	2.06
D2K UCC 1200 SS	D2K66100191	304,8	12.00	12,7	0.5	9270	2061	4,88	3.28
D2K UCC 1500 SS	D2K66100181	381,0	15.00	12,7	0.5	11590	2605	6,10	4.10
D2K UCC 1800 SS	D2K66100221	457,2	18.00	12,7	0.5	13900	3125	7,32	4.92
D2K UCC 2400 SS	D2K66100231	609,6	24.00	12,7	0.5	18540	4168	9,73	6.54

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

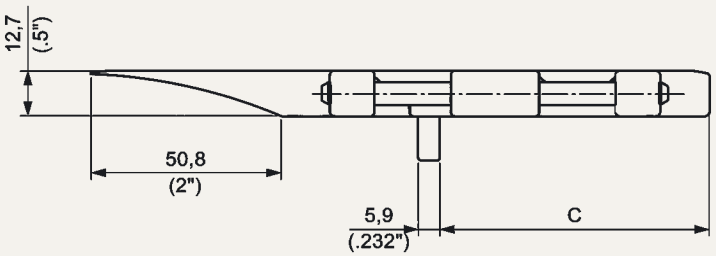
UCCG ATM SERIES – ACTIVE TRANSFER MODULES, 12,7 MM (0.5") THICKNESS, SOLID TOP



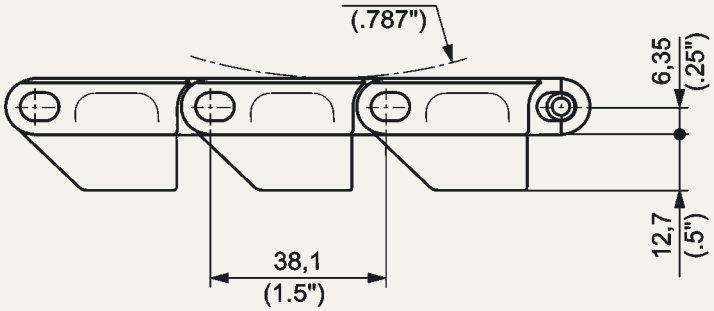
UCCG ATM ACTIVE TRANSFER MODULE CHAIN

ACTIVE TRANSFER MODULES - 12,7 MM (0.5") THICKNESS, SOLID TOP

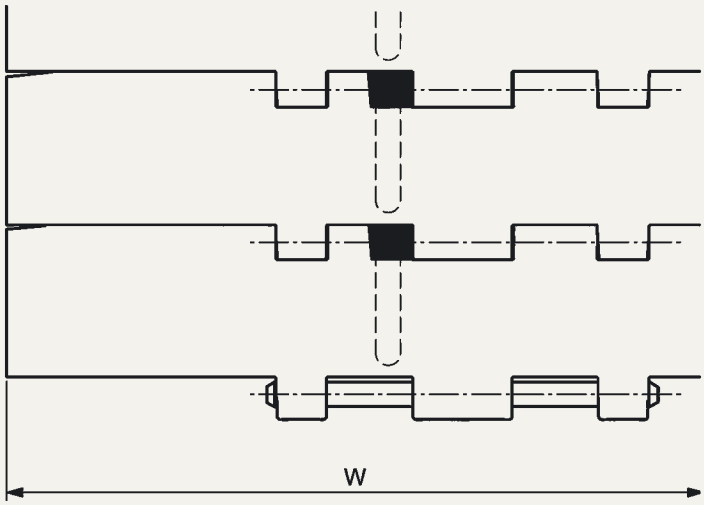
Active transfer modules UCCG ATM allow transfer of products between two 90° conveyor tracks without using dead plares. The special wing shaped module profile supports the products dynamically during transfer on the take-away belt.



SECTION – 12,7 (.5"), 50,8 (2"), 5,9 (.232"), TRACKING GUIDE POSITION C



SIDE VIEW – R 40 (.787"), PITCH 38,1 (1.5"), 6,35 (.25"), 12,7 (.5")



TOP VIEW – WIDTH W

UCCG ATM SERIES CHAINS

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		TRACKING GUIDE POSITION C		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
PLATE: ULTRA LOW FRICTION POLYESTER RESIN (ULF) — PIN: AUSTENITIC STAINLESS STEEL											
UCCGATM 450 SS	66100331	165,1	6.50	12,7	0.5	71,4	2.81	3469	780	2,11	1.41
UCCGATM 750 SS	66100341	241,3	9.50	12,7	0.5	139,5	5.49	5781	1.300	3,26	2.19
PLATE: SPECIAL DELRIN® REINFORCED WITH KEVLAR® — PIN: AUSTENITIC STAINLESS STEEL											
UCCGATM D2K 450 SS	D2K66100331	165,1	6.50	12,7	0.5	71,4	2.81	3469	780	2,22	1.49
UCCGATM D2K 750 SS	D2K66100341	241,3	9.50	12,7	0.5	139,5	5.49	5781	780	3,43	2.31

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

¾" PITCH UCC 138 SERIES – 15 MM (0.591") THICKNESS, SOLID TOP



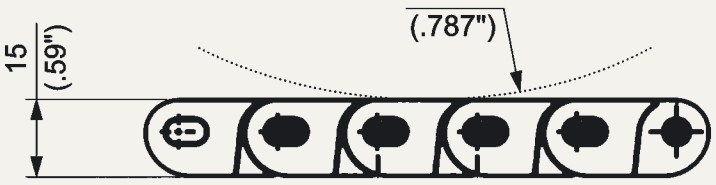
UCC 138 SOLID TOP CHAIN

15 MM (0.591") THICKNESS - SOLID TOP

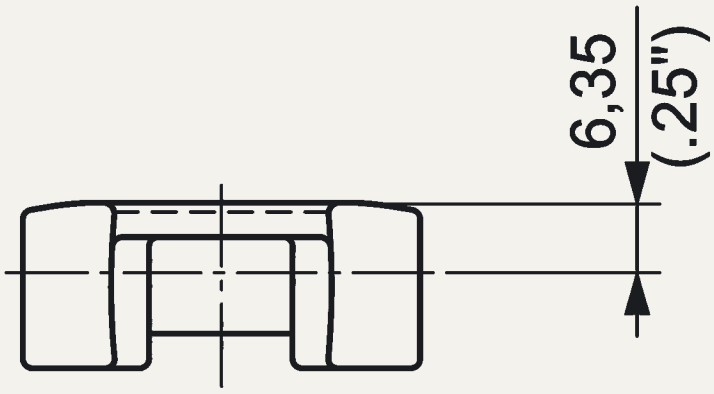
Optimum support of the conveyed products, no risk for flight detachment (compared to two piece chains).

No gap between the plates even when engaging the sprockets.

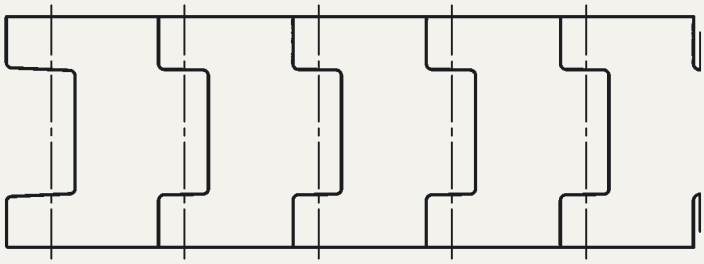
Particularly suitable for packaging machines applications.



SIDE VIEW – 15 (.59"), R 20 (.787"), PITCH 19,05 (.750")



END VIEW – 6,35 (.25")



TOP VIEW – DIRECTION OF TRAVEL

UCC 138 SERIES CHAIN

ITEM DESCRIPTION	PART NUMBER	WIDTH W		PLATE THICKNESS		WORKING LOAD (25°C/77°F)		WEIGHT	
		MM	INCH	MM	INCH	N	LBS	KG/M	LBS/FT
PLATE: ULTRA LOW FRICTION POLYESTER RESIN (ULF) — PIN: AUSTENITIC STAINLESS STEEL									
UCC 138 SS	66100321	34,92	1.37	15	0.591	1225	275	0,68	0.46

Standard packaging: Rolls of 3,048 m (10 feet)

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

SPROCKETS - UCC SERIES

SUITABLE FOR CHAINS

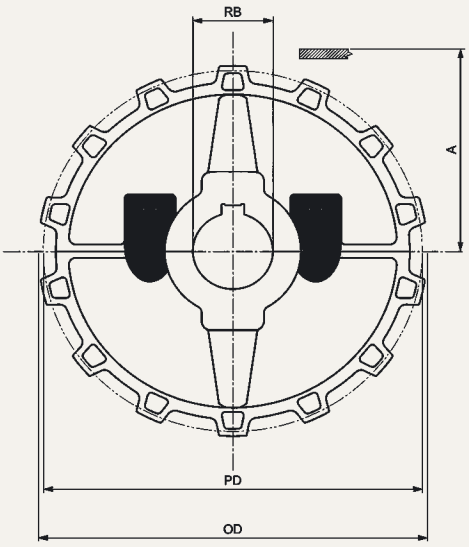
› UCC

MATERIALS

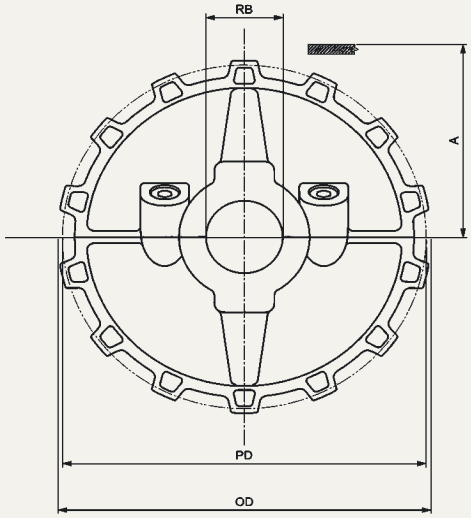
COMPONENT	CODE	MATERIAL
Sprockets	PGF	Reinforced polyamide
Screw	SS	Stainless steel
Nuts	S+ZN	Zinc plated steel



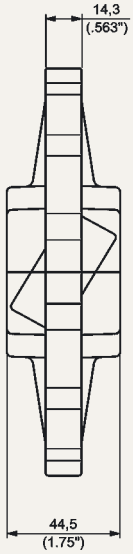
MOULDED SPLIT SPROCKET



ROUND BORE - DRIVE (RB, A, PD, OD)



ROUND BORE - IDLER (RB, A, PD, OD)



SECTION – 14,3 (.563") HUB, 44,5 (1.75") WIDTH

MOULDED SPLIT DRIVE AND IDLER SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		BORE SIZE*		PART NUMBER – ROUND BORE RB		WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH**	DRIVE	IDLER	KG	LBS
12	147,21	5.796	146,80	5.780	67,30	2.650	30		UCCST1230	UCCSF1230	0,36	0.80
12	147,21	5.796	146,80	5.780	67,30	2.650	35		UCCST1235	UCCSF1235	0,35	0.77
12	147,21	5.796	146,80	5.780	67,30	2.650	40		UCCST1240	UCCSF1240	0,34	0.75
12	147,21	5.796	146,80	5.780	67,30	2.650		1	UCCST12254	UCCSF12254	0,37	0.82
12	147,21	5.796	146,80	5.780	67,30	2.650		1-3/16	UCCST12301	UCCSF12301	0,36	0.79
12	147,21	5.796	146,80	5.780	67,30	2.650		1-1/4	UCCST12317	UCCSF12317	0,36	0.79
12	147,21	5.796	146,80	5.780	67,30	2.650		1-3/8	UCCST12349	UCCSF12349	0,34	0.76
12	147,21	5.796	146,80	5.780	67,30	2.650		1-7/16	UCCST12365	UCCSF12365	0,35	0.76
12	147,21	5.796	146,80	5.780	67,30	2.650		1-1/2	UCCST12381	UCCSF12381	0,34	0.76
14	171,22	6.741	170,20	6.701	79,30	3.122	30		UCCST1430	UCCSF1430	0,44	0.97

REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

SPROCKETS - UCC138 SERIES

SUITABLE FOR CHAINS

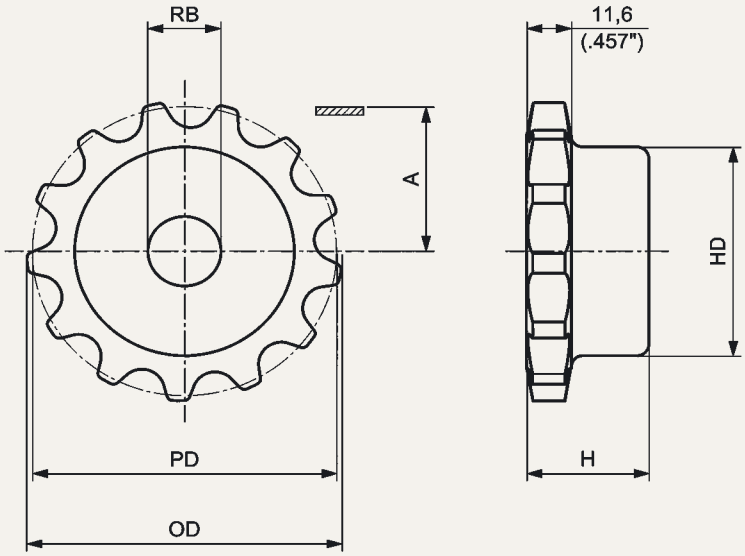
› UCC138

MATERIALS

COMPONENT	CODE	MATERIAL
Sprockets	S	Carbon Steel



UCC138 MACHINED SOLID SPROCKET



SPROCKET DIMENSIONS: RB, PD, OD, A, HD, H, 11,6 (.457")

MACHINED SOLID SPROCKETS

N. TEETH	PITCH DIAMETER PD		OUTSIDE DIAMETER OD		WEAR STRIP POSITIONING A		HD		H		BORE SIZE*		PART NUMBER ROUND BORE RB	WEIGHT	
	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH	MM	INCH		KG	LBS
9	55,70	2.193	56,9	2.24	19,20	0.756	32	1.26	30	1.18	12	0.47	CMA021380900	0,31	0.68
11	67,62	2.662	69,5	2.74	25,15	0.990	45	1.77	35	1.38	14	0.55	CMA021381100	0,57	1.26
13	79,60	3.134	81,9	3.22	31,15	1.226	57	2.24	35	1.38	14	0.55	CMA021381300	0,87	1.92
15	91,63	3.607	94,2	3.71	37,17	1.463	69	2.72	35	1.38	14	0.55	CMA021381500	1,24	2.74
17	103,67	4.081	106,5	4.19	43,19	1.700	80	3.15	35	1.38	16	0.63	CMA021381700	1,63	3.60
19	115,74	4.557	118,8	4.68	49,22	1.938	80	3.15	35	1.38	16	0.63	CMA021381900	1,82	4.01
21	127,82	5.032	131,0	5.16	55,26	2.176	90	3.54	40	1.57	20	0.79	CMA021382100	2,48	5.47
23	139,90	5.508	143,2	5.64	61,30	2.413	90	3.54	40	1.57	20	0.79	CMA021382300	2,71	5.98
25	152,00	5.984	155,4	6.12	67,35	2.652	90	3.54	40	1.57	20	0.79	CMA021382500	2,97	6.55

**Diameter is indicated (plain bore).*

REGINA

1½” PITCH HEAVY DUTY UCC CHAINS

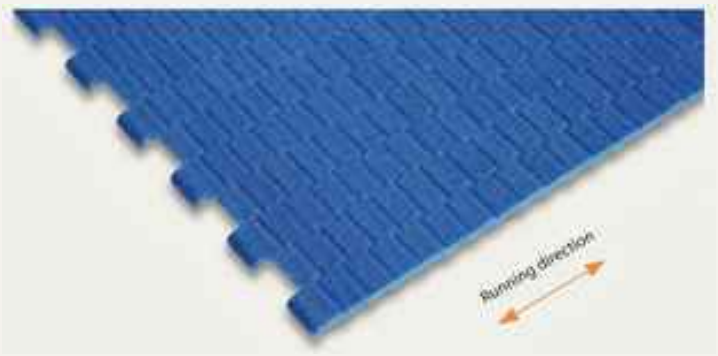
REGINA

1½" PITCH HEAVY DUTY UCC CHAINS

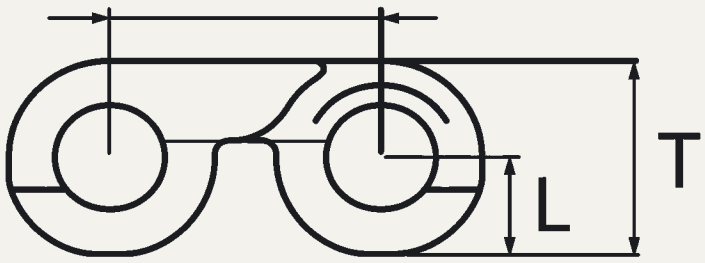
DATASHEET: UNI NTB C

PLASTIC MODULAR BELT

Serie **uni NTB** — Type **C**



UNI NTB C BELT SURFACE (RUNNING DIRECTION)



BELT CROSS-SECTION: P, L, T

BELT DATA

- Straight Running Belt
- Nominal pitch: 8.0 mm (0.32 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: R6 mm (0.24 in)
- Pin diameter: 3.0 mm (0.12 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM-D B
Pin material & color	PA6.6 B

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	8.0	0.32	T	6.00	0.24
L	3.00	0.12	-	-	-

BELT WIDTHS, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-D/PA6.6		BELT WEIGHT (BELT/PIN MATERIAL) POM-D/PA6.6		*MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
153	6.0	337	76	0.7	0.49	2	2	2
229	9.0	504	113	1.1	0.73	3	3	2
305	12.0	671	151	1.5	0.98	4	4	2
381	15.0	838	188	1.8	1.22	4	4	2
458	18.0	1008	227	2.2	1.47	5	5	3
534	21.0	1175	264	2.5	1.71	6	6	3
610	24.0	1342	302	2.9	1.95	7	7	4
686	27.0	1509	339	3.3	2.19	7	7	4
762	30.0	1676	377	3.6	2.44	8	8	4
839	33.0	1846	415	4.0	2.68	9	9	5
915	36.0	2013	453	4.4	2.93	10	10	5
991	39.0	2180	490	4.7	3.17	10	10	5
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.2 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).								
1448	57.0	3186	716	6.9	4.63	15	15	8
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.2 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).								

BRAND

UNI-CHAINS

AMMERAAL BELTECH UNI-CHAINS MODULAR BELTS

960 uni NTB
961 uni M-TTB
969 uni M-QNB
976 uni S-MPB
987 uni SNB
1003 uni JCB
1005 uni QNB
1012 uni OWL
1014 uni OPB
1075 uni SSB
1089 uni BLB
1098 uni CPB
1118 uni CSB
1130 uni MPB
1167 uni ECB
1170 uni RTB
1180 uni XLB
1191 uni X-MPB
1194 uni M-PNB
1197 uni M-SNB
1203 uni Light
1232 uni CNB
1282 uni L-SNB
1288 uni LPB
1292 uni ULB
1296 uni Flex

UNI-CHAINS · UNI NTB C

UNI NTB C

DATASHEET: UNI NTB C

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE								OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 IN (19.1 MM)	0.78 IN (20.0 MM)	0.98 IN (25.0 MM)	1.00 IN (25.4 MM)	1.18 IN (30.0 MM)	1.25 IN (31.8 MM)	1.50 IN (38.1 MM)	1.57 IN (40.0 MM)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z24	x	●		●						61.3	2.41	61.3	2.41	0	0	27.38	1.08	33.65	1.32	x		x	
Z32	x	●							■	81.6	3.21	81.7	3.21	0	0	37.61	1-48	43.8	1.72	x		x	
Z48	x	●							■	122.7	4.83	122.4	4.81	0	0	58.03	2.28	64.16	2.52	x		x	
Z60	x	●							■	152.9	6.02	152.9	6.02	0	0	73.32	2.88	79.43	3.13	x		x	

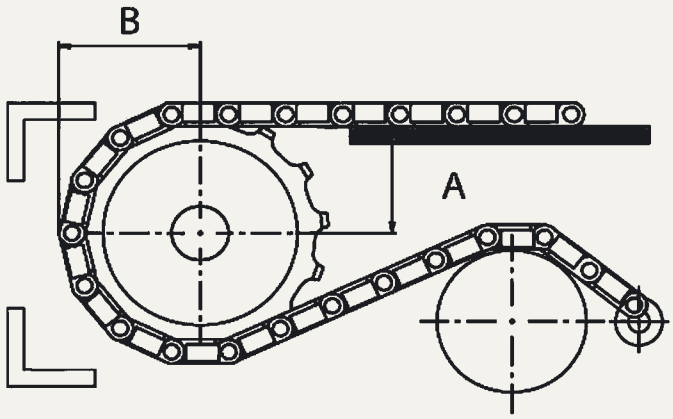
■ Machined sprocket ● Machined sprocket
Non standard material and color: See uni Material and Color Overview.



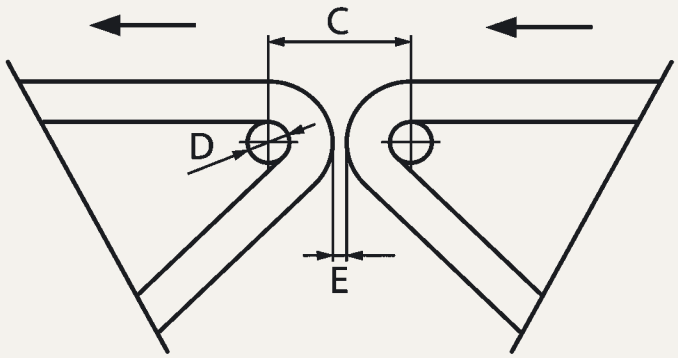
MACHINED SPROCKET (■)



MACHINED SPROCKET (●)



SPROCKET / BELT LAYOUT SHOWING DIMENSIONS A AND B



NOSEBARS MIN. DIMENSIONS – C, D, E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	6.0	0.24
E	2.0	0.08

Other sprocket sizes are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

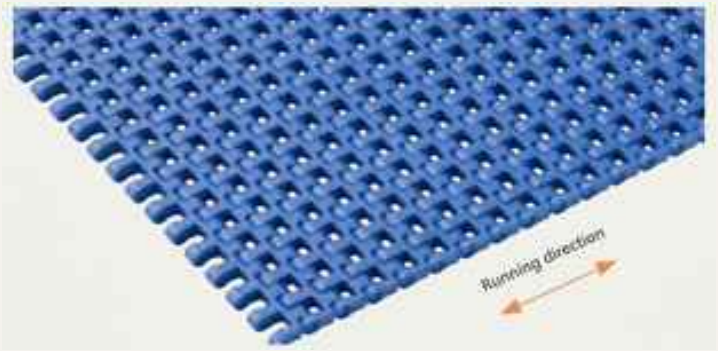
uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 9.0 mm (0.35 in)

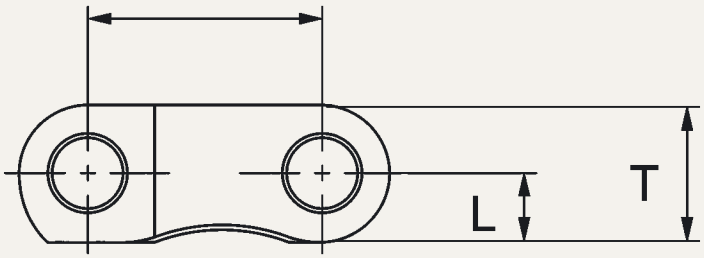
UNI-CHAINS · UNI M-TTB 37%

UNI M-TTB 37%

DATASHEET: UNI M-TTB 37%



UNI M-TTB 37% BELT SURFACE, RUNNING DIRECTION



LINK DIMENSIONS P, L AND T

STRAIGHT RUNNING

- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: 37%
- Backflex radius: 12.5 mm (0.49 in)
- Min flex diameter (nosebar): 19.1 mm (0.75 in)
- Pin diameter: 4.0 mm (0.16 in)

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	12.7	0.50	T	7.5	0.29
L	3.8	0.15	-	-	-

BELT AND PIN MATERIAL

Belt material & color: PP W B G · POM-D W B

Pin material & color: PP W · PA6.6 B

Non standard material and color: See uni Material and Color Overview.

Alternative pin material: PA6.6 B · PP W

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

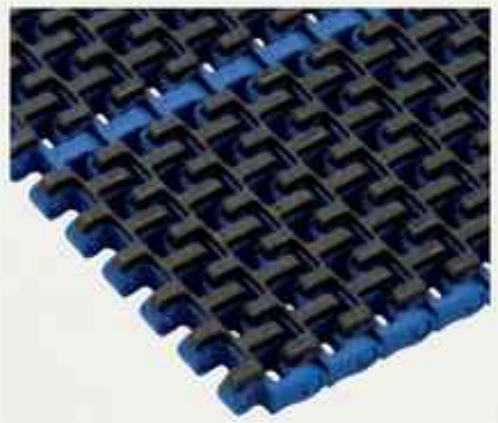
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN NO DRIVE SPROCKET PER HAFT	NUMBER OF WEAR STRIPS (MIN NO)	
		POM-D/PA6.6		PP/PP		POM-D/PA6.6		PP/PP			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1733	389	1001	225	0.4	0.30	0.3	0.22	2	2	2
154	6.1	3464	779	2002	450	0.9	0.60	0.6	0.43	2	2	2
231	9.1	5196	1168	3002	675	1.3	0.90	1.0	0.65	3	2	2
308	12.1	6927	1557	4003	900	1.8	1.20	1.3	0.87	4	3	2
385	15.2	8659	1947	5003	1125	2.2	1.50	1.6	1.09	4	3	2
462	18.2	10391	2336	6004	1350	2.7	1.80	1.9	1.30	5	4	2
539	21.2	12122	2725	7004	1575	3.1	2.10	2.3	1.52	6	4	2
616	24.2	13854	3114	8005	1799	3.6	2.40	2.6	1.74	7	5	3
693	27.3	15586	3504	9005	2024	4.0	2.70	2.9	1.96	7	5	3
770	30.3	17317	3893	10006	2249	4.5	3.00	3.2	2.17	8	6	3
847	33.3	19049	4282	11006	2474	4.9	3.30	3.6	2.39	9	6	3
924	36.4	20781	4671	12007	2699	5.4	3.60	3.9	2.61	10	7	4
1001	39.4	22512	5061	13007	2924	5.8	3.90	4.2	2.82	11	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 77.0 MM (3.03 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN)												
2002	78.8	45045	10126	26026	5851	11.6	7.80	8.4	5.65	21	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 77.0 MM (3.03 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN)												
2925	115.2	65813	14795	38025	8548	17.0	11.40	12.3	8.26	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1500 N (337 lbf), PP 1000 N (225 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)*
☐ = Single Link

UNI-CHAINS · UNI M-TTB 37%

UNI M-TTB 37%

ACCESSORIES: RUBBER TOP AND FLIGHT



RUBBER TOP BELT SURFACE



RUBBER TOP PROFILE – DIMENSIONS A, B AND H

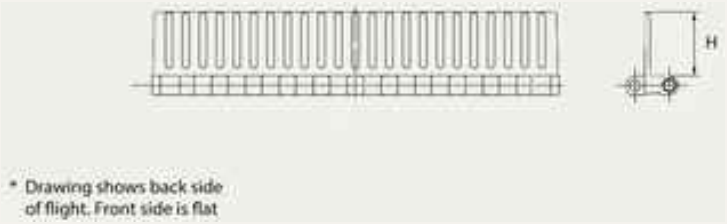
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		H		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	PP W	03 W	9.2	0.36	4.6	0.18	2.2	0.09	K1200	308.0	12.1
	PP B	03 K									
	PP G	03 K									

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT – PHOTO SHOWS BACK SIDE OF FLIGHT; FRONT SIDE IS FLAT



FLIGHT HEIGHT H – DRAWING SHOWS BACK SIDE OF FLIGHT; FRONT SIDE IS FLAT

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
Flat/Non Stick*	POM-D W B	25.4	1.00	K600	152.0	5.98

** Photo and drawing show back side of flight. Front side is flat.*
Non standard material and color: See uni Material and Color Overview.
Minimum indent is for uni M-TTB flight 0 mm. Increment: 25.4 mm (1.00 in).

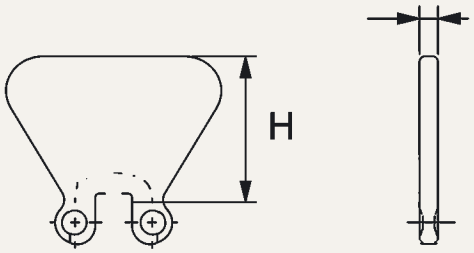
UNI-CHAINS · UNI M-TTB 37%

UNI M-TTB 37%

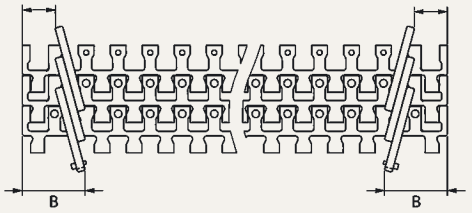
ACCESSORIES: SIDE GUARD, ROLLER AND UNI AMFLIGHT



CLOSED SIDE GUARD



SIDE GUARD SECTION – RUNNING DIRECTION, H AND I

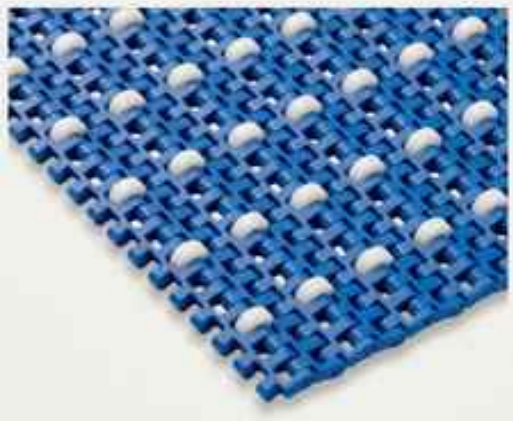


SIDE GUARD ON BELT – DIMENSIONS A AND B

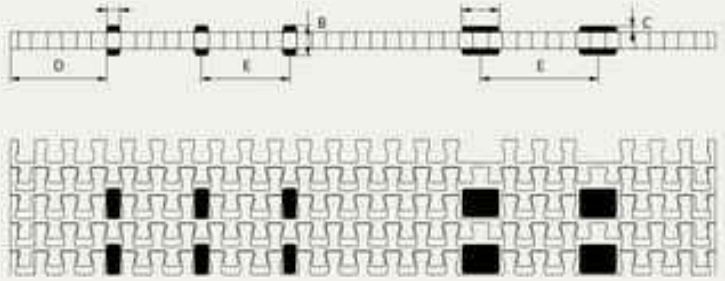
ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	*A		B		H		I	
		MM	IN	MM	IN	MM	IN	MM	IN
Closed	POM-D W B	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

Non standard material and color: See uni Material and Color Overview.
**Minimum indent is for uni M-TTB Side Guard. Increment: 12.7 mm (0.50 in).*



BELT WITH ROLLERS



ROLLER DIMENSIONS A, B, C AND SPACINGS D, E

ACCESSORIES - ROLLER

TYPE	ROLLER MATERIAL & COLOR	A		B		C		D (MIN)		E (MIN)	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.7	0.22	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		10.5	0.41	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		16.0	0.62	13.0	0.51	2.75	0.11	22.0	0.87	38.1	1.50

Non standard Roller material and color: See uni Material and Color Overview.



ACCESSORIES - NON STANDARD UNI AMFLIGHT FOR UNI M-TTB

Other non standard option: See uni Amflight Overview.

UNI-CHAINS · UNI M-TTB 37%

UNI M-TTB 37%

DATASHEET: UNI M-TTB 37%

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z12	x		●	●							52.0	2.05	49.1	1.93	40.7	1.60	20.0	0.79	28.2	1.11	x		x	
Z15	x				●	■	●				64.6	2.54	61.1	2.41	53.3	2.10	26.1	1.03	34.2	1.35	x		x	
Z19	x								▌		80.1	3.15	77.2	3.04	68.8	2.71	34.3	1.35	42.3	1.66		x		
Z24	x			●		●		●	■	■	102.1	4.02	97.3	3.83	90.8	3.57	44.5	1.75	52.4	2.06	x		x	
Z36	x								■	■	152.3	6.01	145.7	5.74	141.0	5.55	68.8	2.71	76.6	3.01	x		x	

Bore-size markers: ▌ = Molded sprocket; ■ = Machined sprocket (square bore); ● = Machined sprocket (round bore).
Non standard material and color: See uni Material and Color Overview.
In the original the Z19 row markers are printed one column further left than those of the other rows.



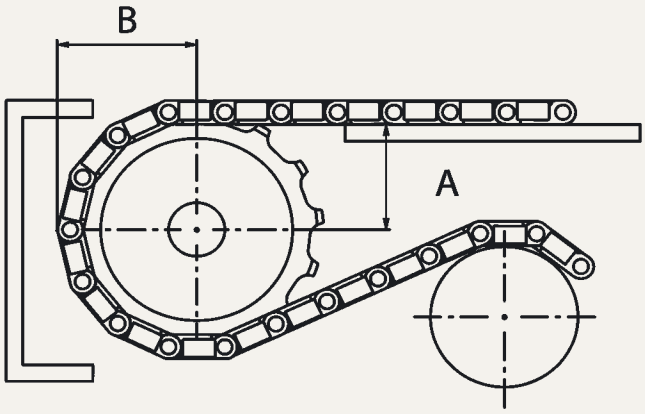
MOLDED SPROCKET



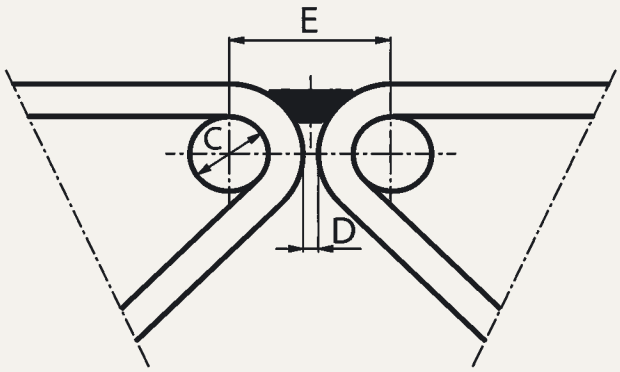
MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET



NOSEBAR C, D AND E DIMENSIONS

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	19.0	0.75
D	4.0	0.16
E	40.6	1.60

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

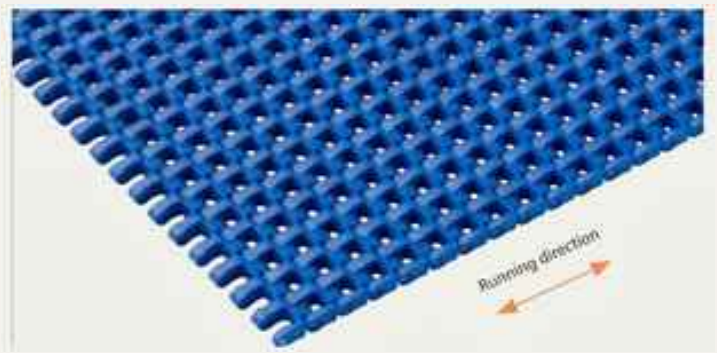
UNI-CHAINS · UNI M-TTB 37% CS

UNI M-TTB 37% CS

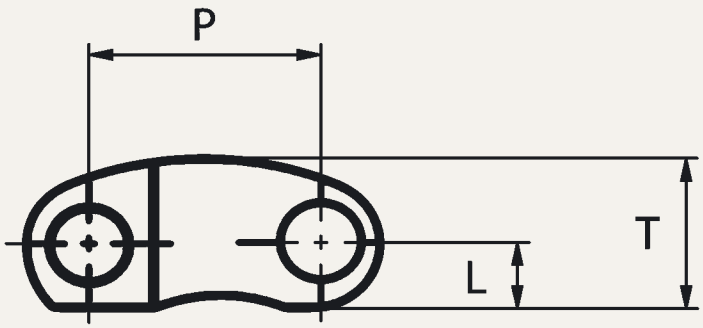
DATASHEET: UNI M-TTB 37% CS

PLASTIC MODULAR BELT

Serie **uni M-TTB** — Type **37% CS**



RUNNING DIRECTION



LINK PROFILE: P, L AND T

STRAIGHT RUNNING

- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Curved
- Surface opening: 37%
- Backflex radius: 12.5 mm (0.49 in)
- Min flex diameter (nosebar): 19.1 mm (0.75 in)
- Pin diameter: 4.0 mm (0.16 in)
- Curved surface makes perfect circle when 25.4 mm (1.00 in) flex diameter is applied.

BELT AND PIN MATERIAL

Belt material & color	PP B
Pin material & colors	PP W

Non standard material and color: See uni Material and Color Overview.
Alternative pin material: PA6.6 B

BELT DIMENSIONS

	MM	IN
P (Nominal)	12.7	0.50
L	3.8	0.15
T	8.8	0.35

BELT WIDTHS AND CAPACITIES

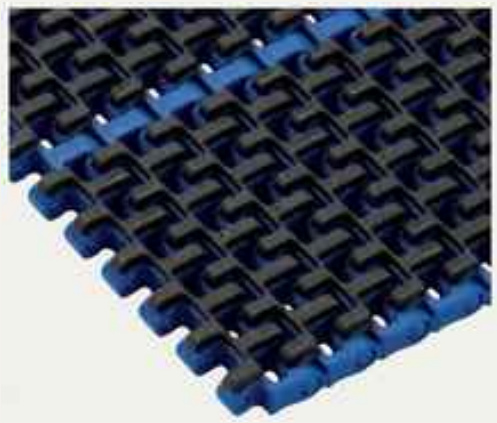
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP/PP		BELT WEIGHT (BELT/PIN MATERIAL) PP/PP		*MIN NO DRIVE SPROCKET PER HAFT	NUMBER OF WEAR STRIPS (MIN NO)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1001	225	0.3	0.22	2	2	2
154	6.1	2002	450	0.6	0.43	2	2	2
231	9.1	3002	675	1.0	0.65	3	2	2
308	12.1	4003	900	1.3	0.87	4	3	2
385	15.2	5003	1125	1.6	1.09	4	3	2
462	18.2	6004	1350	1.9	1.30	5	4	2
539	21.2	7004	1575	2.3	1.52	6	4	2
616	24.2	8005	1799	2.6	1.74	7	5	3
693	27.3	9005	2024	2.9	1.96	7	5	3
770	30.3	10006	2249	3.2	2.17	8	6	3
847	33.3	11006	2474	3.6	2.39	9	6	3
924	36.4	12007	2699	3.9	2.61	10	7	4
1001	39.4	13007	2924	4.2	2.82	11	7	4

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 77.0 MM (3.03 IN). ADDITIONAL NON-STANDARD

UNI-CHAINS · UNI M-TTB 37% CS

UNI M-TTB 37% CS

DATASHEET: UNI M-TTB 37% CS



RUBBER TOP BELT SURFACE



RUBBER TOP: A, B AND H DIMENSIONS

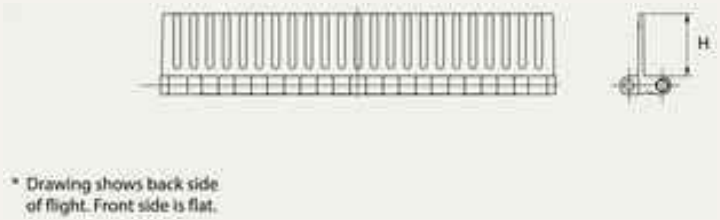
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		H		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	PP W PP B PP G	03 W 03 K 03 K	9.2	0.36	4.6	0.18	2.2	0.09	K1200	308.0	12.1

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



PHOTO SHOWS BACK SIDE OF FLIGHT. FRONT SIDE IS FLAT.



DRAWING SHOWS BACK SIDE OF FLIGHT. FRONT SIDE IS FLAT.

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
Flat/Non Stick*	POM-D W B	25.4	1.00	K600	152.0	5.98

** Photo and drawing show the back side of the flight. Front side is flat.*
Non standard material and color: See uni Material and Color Overview.
Minimum indent is for uni M-TTB flight 0 mm. Increment: 25.4 mm (1.00 in).

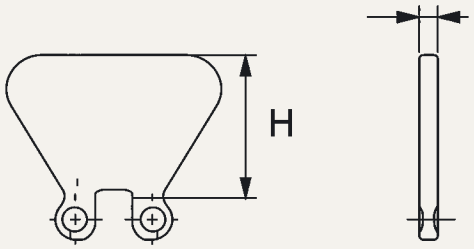
UNI-CHAINS · UNI M-TTB 37% CS

UNI M-TTB 37% CS

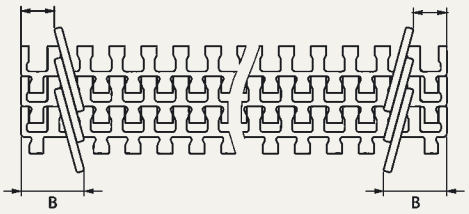
DATASHEET: UNI M-TTB 37% CS



SIDE GUARD



SIDE GUARD PROFILE: H AND I, RUNNING DIRECTION

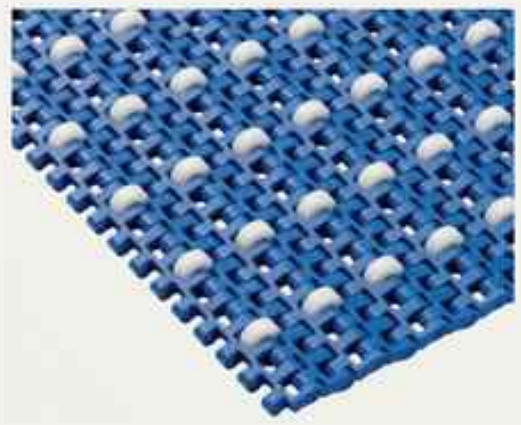


SIDE GUARD ON BELT: A AND B

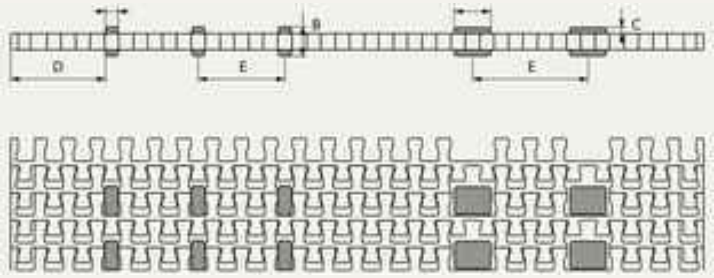
ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	*A		B		H		I	
		MM	IN	MM	IN	MM	IN	MM	IN
Closed	POM-D W B	13.0	0.50	25.0	0.98	25.4	1.00	3.1	0.12

Non standard material and color: See uni Material and Color Overview.
**Minimum indent is for uni M-TTB Side Guard. Increment: 12.7 mm (0.50 in).*



ROLLER BELT SURFACE



ROLLER: A, B, C, D AND E DIMENSIONS

ACCESSORIES - ROLLER

TYPE	ROLLER MATERIAL & COLOR	A		B		C		D (MIN)		E (MIN)	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.7	0.22	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		10.5	0.41	13.0	0.51	2.75	0.11	22.0	0.87	25.4	1.00
		16.0	0.62	13.0	0.51	2.75	0.11	22.0	0.87	38.1	1.50

Non standard Roller material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI M-TTB 37% CS

UNI M-TTB 37% CS

DATASHEET: UNI M-TTB 37% CS

SPROCKET

NO. OF TEETH	BORE SIZE									OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z12	x	●	●							52.0	2.05	49.1	1.93	40.7	1.60	20.0	0.79	28.2	1.11	x		x	
Z15	x			● □	●					64.6	2.54	61.1	2.41	53.3	2.10	26.1	1.03	34.2	1.35	x		x	
Z19	x							■		80.1	3.15	77.2	3.04	68.8	2.71	34.3	1.35	42.3	1.66	x		x	
Z24	x		●	●	●	●	●	□	□	102.1	4.02	97.3	3.83	90.8	3.57	44.5	1.75	52.4	2.06	x		x	
Z36	x							□	□	152.3	6.01	145.7	5.74	141.0	5.55	68.8	2.71	76.6	3.01	x		x	

■ = Molded sprocket □ = Machined sprocket ● = Machined sprocket



MOLDED SPROCKET

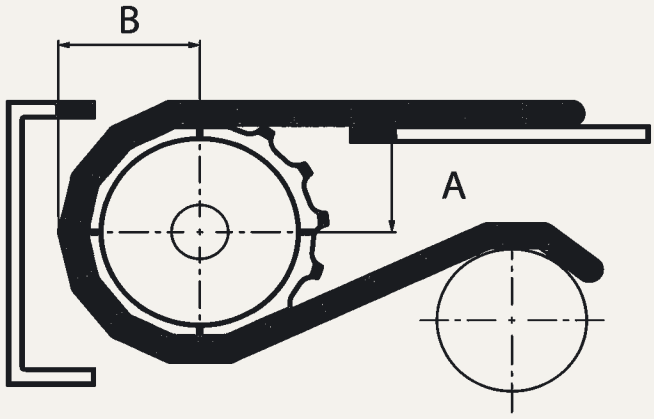


MACHINED SPROCKET

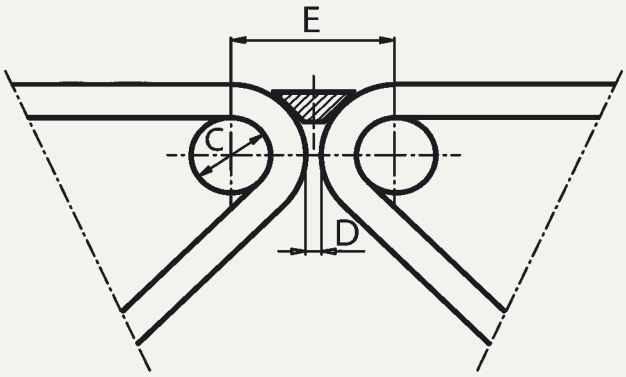


MACHINED SPROCKET

Non standard material and color: See uni Material and Color Overview.



SPROCKET POSITION – A AND B DIMENSIONS



NOSEBARS MIN. DIMENSIONS – C, D AND E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	19.0	0.75
D	4.0	0.16
E	43.2	1.70

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

UNI-CHAINS · UNI M-QNB NS

UNI M-QNB NS

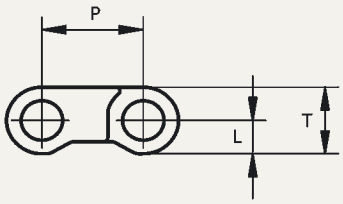
DATASHEET: UNI M-QNB NS

PLASTIC MODULAR BELT

Series: uni M-QNB Type: NS



RUNNING DIRECTION



LINK DIMENSIONS P, L AND T

- Straight running belt
- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 20.0 mm (0.80 in)
- Pin diameter: 5 mm (0.20 in)

BELT AND PIN MATERIAL & COLOR

Belt material & color	POM-SLF B	POM-SLF W	PE B
Pin material & color	PP B	PP W	PE N

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	12.7	0.50	T	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D PP B PE N

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-SLF/PP (N)	POM-SLF/PP (LBF)	PE/PE (N)	PE/PE (LBF)	POM-SLF/PP (KG/M)	POM-SLF/PP (LB/FT)	PE/PE (KG/M)	PE/PE (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1463	329	616	138	0.6	0.42	0.5	0.31	2	2	2
153	6.0	2907	653	1224	275	1.3	0.84	0.9	0.61	2	2	2
229	9.0	4351	978	1832	412	1.9	1.26	1.4	0.91	3	2	2
305	12.0	5795	1303	2440	549	2.5	1.68	1.8	1.21	4	3	2
382	15.0	7258	1632	3056	687	3.1	2.11	2.3	1.51	4	3	2
458	18.0	8702	1956	3664	824	3.8	2.52	2.7	1.82	5	4	2
534	21.0	10146	2281	4272	960	4.4	2.94	3.2	2.12	6	4	2
610	24.0	11590	2605	4880	1097	5.0	3.36	3.6	2.42	7	5	3
687	27.0	13053	2934	5496	1236	5.6	3.79	4.1	2.72	7	5	3
763	30.0	14497	3259	6104	1372	6.3	4.20	4.5	3.03	8	6	3
839	33.0	15941	3584	6712	1509	6.9	4.62	5.0	3.33	9	6	3
915	36.0	17385	3908	7320	1646	7.5	5.04	5.4	3.63	10	7	4
992	39.1	18848	4237	7936	1784	8.1	5.47	5.9	3.93	10	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)												
1983	78.1	37677	8470	15864	3566	16.3	10.93	11.7	7.86	20	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)												
2974	117.1	56506	12703	23792	5348	24.4	16.39	17.5	11.79	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PE 800 N (180 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)*
☐ = Single Link

UNI-CHAINS · UNI M-QNB NS

UNI M-QNB NS

DATASHEET: UNI M-QNB NS

SPROCKET

NO. OF TEETH	BORE SIZE: PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 18.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	OVERALL DIAMETER MM	OVERALL DIAMETER IN	PITCH-DIAMETER MM	PITCH-DIAMETER IN	HUB-DIAMETER MM	HUB-DIAMETER IN	A-DIMENSION MM	A-DIMENSION IN	B-DIMENSION MM	B-DIMENSION IN	SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z10	x		●										41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x	
Z19	x				● ■	●	●	■					78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x	
Z28	x				●	●	●	■	● ■				114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x	
Z28										■			114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x	
Z38	x						●	● ■	● ■				155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x	

■ = Molded sprocket ● = Molded sprocket

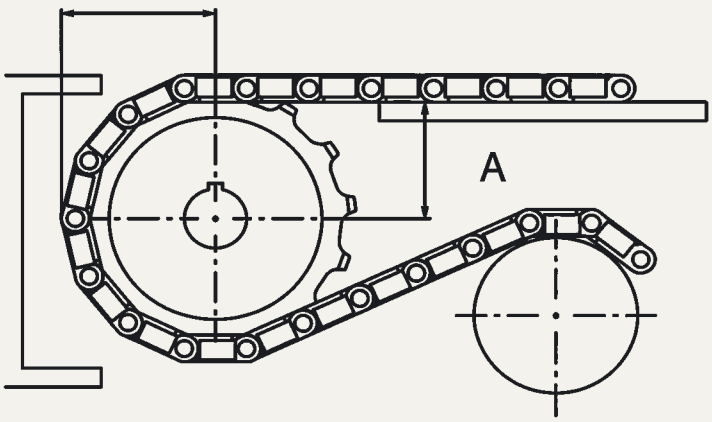


MOLDED SPROCKET

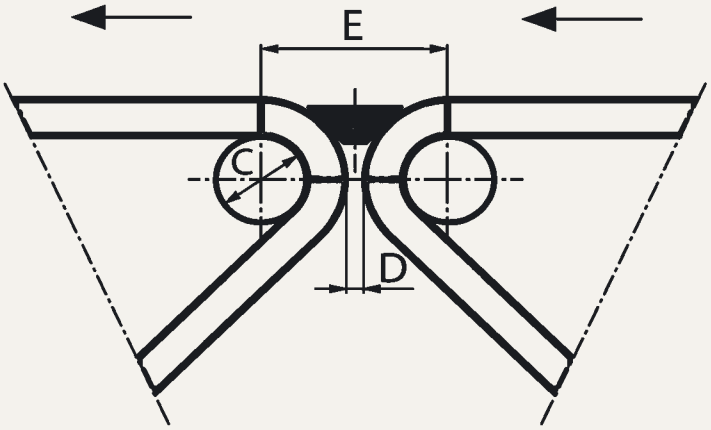


MOLDED SPROCKET

Non standard material and color: See uni Material and Color Overview.



SPROCKET POSITION – A AND B DIMENSIONS



NOSEBARS MIN. DIMENSIONS – C, D AND E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

UNI-CHAINS · UNI M-QNB VACUUM

UNI M-QNB VACUUM

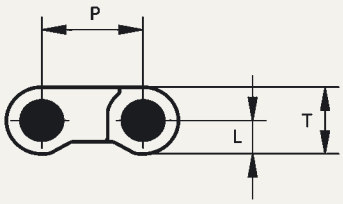
DATASHEET: UNI M-QNB VACUUM

PLASTIC MODULAR BELT

Series: uni M-QNB Type: Vacuum



RUNNING DIRECTION



LINK DIMENSIONS P, L AND T

- Straight running belt
- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 20.0 mm (0.80 in)
- Pin diameter: 5 mm (0.20 in)
- Vacuum holes: ø3.2 mm (0.12 in)

BELT AND PIN MATERIAL & COLOR

Belt material & color	PP G
Pin material & color	PP W

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	12.7	0.50	T	8.8	0.35
L	4.4	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D PP B PE N

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)		BELT WEIGHT (BELT/PIN MATERIAL)		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	PP/PP (N)	PP/PP (LBF)	PP/PP (KG/M)	PP/PP (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1001	225	0.5	0.32	2	2	2
153	6.0	1989	447	0.9	0.63	2	2	2
229	9.0	2977	669	1.4	0.94	3	2	2
305	12.0	3965	891	1.9	1.25	4	3	2
382	15.0	4966	1116	2.3	1.57	4	3	2
458	18.0	5954	1338	2.8	1.88	5	4	2
534	21.0	6942	1561	3.3	2.19	6	4	2
610	24.0	7930	1783	3.7	2.50	7	5	3
687	27.0	8931	2008	4.2	2.82	7	5	3
763	30.0	9919	2230	4.7	3.13	8	6	3
839	33.0	10907	2452	5.1	3.44	9	6	3
915	36.0	11895	2674	5.6	3.75	10	7	4
992	39.1	12896	2899	6.1	4.07	10	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)								
1983	78.1	25779	5795	12.1	8.13	20	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)								
2974	117.1	38662	8691	18.1	12.19	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP 800 N (180 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)*
☐ = Single Link

UNI-CHAINS · UNI M-QNB VACUUM

UNI M-QNB VACUUM

SPROCKETS AND NOSEBAR MINIMUM DIMENSIONS

SPROCKET

NO. OF TEETH	BORE SIZE (IN / MM)												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 / 19.1	0.78 / 18.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x		●										41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x	
Z19	x				● ■	●	●	■					78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x	
Z28	x				●	●	●	■	● ■				114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x	
Z28										■			114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x	
Z38	x						●	● ■	● ■				155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x	

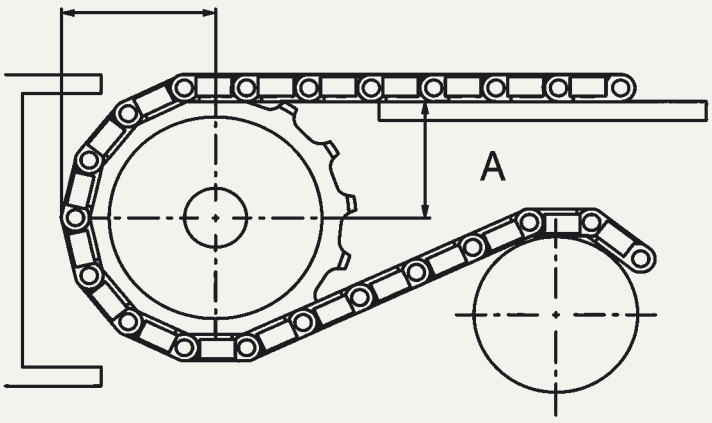
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



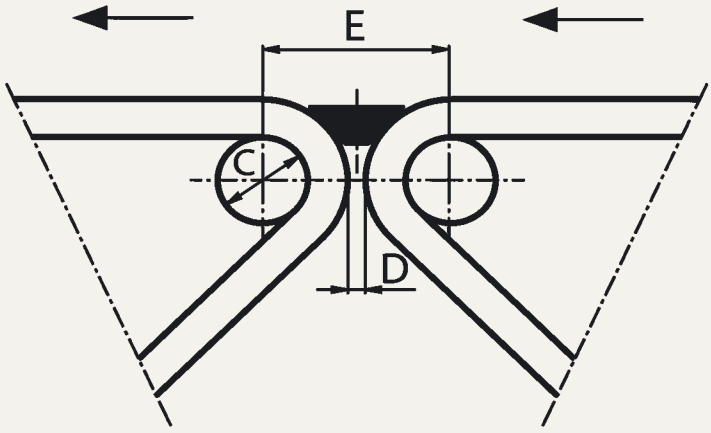
■ MOLDED SPROCKET



● MOLDED SPROCKET



NOSEBARS MIN. DIMENSIONS – A, B



NOSEBARS MIN. DIMENSIONS – C, D, E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 20.0 mm (0.79 in)

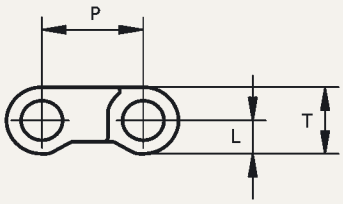
UNI-CHAINS · UNI M-QNB C

UNI M-QNB C

PLASTIC MODULAR BELT – SERIES UNI M-QNB, TYPE C



UNI M-QNB C BELT SURFACE
(RUNNING DIRECTION)



LINK DIMENSIONS P, T, L

- Straight running belt
- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 20.0 mm (0.80 in)
- Pin diameter: 5 mm (0.20 in)

BELT AND PIN MATERIAL & COLOR

Belt material & color	POM-SLF B	PP W / G	PP B	PE B	POM-EC K
Pin material & color	PP B	PP W	PP B	PE N	PP B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Solid Lockpin: PA6.6 D | Lockpin: PBT LG, PA6.6 N, D, PP B, PE N

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	12.7	0.50	T	8.8	0.35
L	4.4	0.17	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-SFL/PP POM-EC/PP		PP/PP		PE/PE		POM-SFL/PP POM-EC/PP		PP/PP		PE/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
☐ 25	1.0	475	107	325	73	200	45	0.2	0.14	0.2	0.10	0.1	0.10	1	1	1
☐ 39	1.5	741	167	507	114	312	70	0.3	0.21	0.2	0.16	0.2	0.15	1	1	1
☐ 45	1.8	855	192	585	132	360	81	0.4	0.25	0.3	0.18	0.3	0.18	2	1	1
77	3.0	1463	329	1001	225	616	138	0.6	0.42	0.5	0.32	0.5	0.31	2	2	2
153	6.0	2907	653	1989	447	1224	275	1.3	0.84	0.9	0.63	0.9	0.61	2	2	2
229	9.0	4351	978	2977	669	1832	412	1.9	1.26	1.4	0.94	1.4	0.91	3	2	2
305	12.0	5795	1303	3965	891	2440	549	2.5	1.68	1.9	1.25	1.8	1.21	4	3	2
382	15.0	7258	1632	4966	1116	3056	687	3.1	2.11	2.3	1.57	2.3	1.51	4	3	2
458	18.0	8702	1956	5954	1338	3664	824	3.8	2.52	2.8	1.88	2.7	1.82	5	4	2
534	21.0	10146	2281	6942	1561	4272	960	4.4	2.94	3.3	2.19	3.2	2.12	6	4	2
610	24.0	11590	2605	7930	1783	4880	1097	5.0	3.36	3.7	2.50	3.6	2.42	7	5	3
687	27.0	13053	2934	8931	2008	5496	1236	5.6	3.79	4.2	2.82	4.1	2.72	7	5	3
763	30.0	14497	3259	9919	2230	6104	1372	6.3	4.20	4.7	3.13	4.5	3.03	8	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)																
1983	78.1	37677	8470	25779	5795	15864	3566	16.3	10.93	12.1	8.13	11.7	7.86	20	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 38.1 MM (1.50 IN.)																
2974	117.1	56506	12703	38662	8691	23792	5348	24.4	16.39	18.1	12.19	17.5	11.79	30	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in PE is 0.3 % wider than the belt width in the table.
**Max. Load per Drive Sprocket. Belt material: POM-SLF 1000 N (225 lbf), PP 800 N (180 lbf), PE 800 N (180 lbf), POM-EC 1000 N (225 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

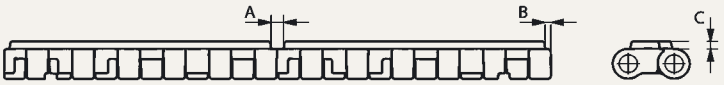
UNI-CHAINS · UNI M-QNB C

UNI M-QNB C

ACCESSORIES: RUBBER TOP AND NON STANDARD UNI AMFLIGHT



RUBBER TOP BELT SURFACE



RUBBER TOP DIMENSIONS A, B, C

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	PP W	03 N	3.4	0.13	1.5	0.06	2.2	0.09	K300	75.8	2.98
Flat	PP G	03 K	3.4	0.13	1.5	0.06	2.2	0.09	K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.
Rubber Top is not avaliable in belt width below 77 mm (3 in).



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (RUNNING DIRECTION)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI M-QNB C

UNI M-QNB C

SPROCKETS, NOSEBAR MINIMUM DIMENSIONS

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 18.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x		●										41.3	1.63	41.1	1.62	28	1.10	15.2	0.60	25	0.98	x		x	
Z19	x				● ■	●	●	■					78.3	3.06	77.2	3.04	65	2.56	33.7	1.33	43	1.69	x		x	
Z28	x				●	●	●	■	● ■				114.9	4.52	113.4	4.46	65	2.56	52	2.05	61.1	2.41	x		x	
Z28										■			114.9	4.52	113.4	4.46	100	3.93	52	2.05	61.1	2.41	x		x	
Z38	x						●	● ■	● ■				155.5	6.12	153.8	6.06	75	2.95	72.2	2.84	81.3	3.20	x		x	

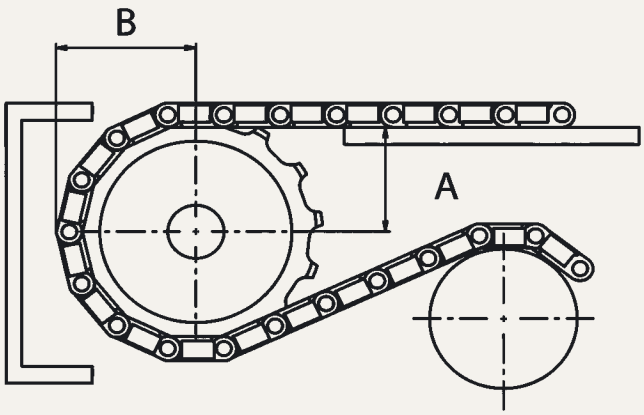
■ *Molded sprocket* ● *Molded sprocket*
Non standard material and color: See uni Material and Color Overview.



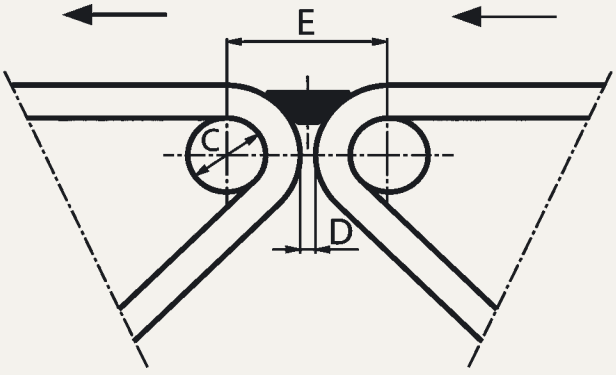
MOLDED SPROCKET (■)



MOLDED SPROCKET (●)



A- AND B-DIMENSIONS ON THE SPROCKET / CHAIN PATH



NOSEBARS MIN. DIMENSIONS – C, D AND E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-QNB.
For more detailed sprocket information. contact Customer Service.

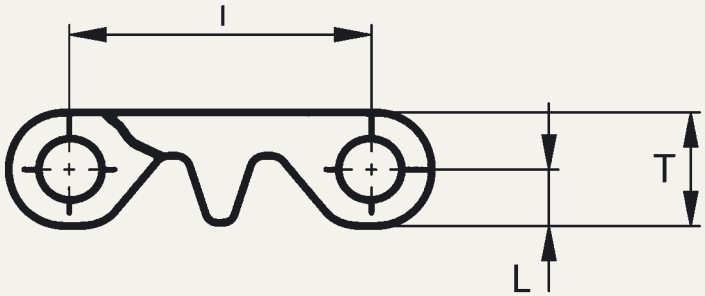
UNI-CHAINS · UNI S-MPB C

UNI S-MPB C

PLASTIC MODULAR BELT – SERIES UNI S-MPB, TYPE C



UNI S-MPB C BELT, RUNNING DIRECTION



BELT CROSS-SECTION WITH P, T AND L DIMENSIONS

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 23.0 mm (0.91 in)
- Pin diameter: 5 mm (0.20 in)

BELT AND PIN MATERIAL & COLOR

Belt material & color	POM-DI W	PP W	PP B	PE-I B / N
Pin material & color	PP W		PP B	PE N

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG PA6.6 N D

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	T	10.3	0.41
L	5.2	0.20	-	-	-

BELT WIDTHS, PERMISSIBLE TENSILE FORCE AND BELT WEIGHT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-DI/PP (N)	POM-DI/PP (LBF)	PP/PP (N)	PP/PP (LBF)	PE-I/PP (N)	PE-I/PP (LBF)	POM-DI/PP (KG/M)	POM-DI/PP (LB/FT)	PP/PP (KG/M)	PP/PP (LB/FT)	PE-I/PP (KG/M)	PE-I/PP (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1810	407	732	164	604	136	0.6	0.43	0.4	0.29	0.4	0.29	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.3	0.85	0.9	0.58	0.9	0.59	2	2	2
184	7.2	4317	971	1745	392	1442	324	1.5	1.02	1.0	0.69	1.0	0.70	2	2	2
229	9.0	5382	1210	2176	489	1798	404	1.9	1.28	1.3	0.86	1.3	0.88	2	2	2
305	12.0	7168	1611	2898	651	2394	538	2.5	1.70	1.7	1.15	1.7	1.17	3	3	2
381	15.0	8954	2013	3620	814	2991	672	3.2	2.13	2.1	1.43	2.2	1.46	3	3	2
457	18.0	10740	2414	4342	976	3588	806	3.8	2.55	2.6	1.72	2.6	1.75	4	4	2
507	20.0	11910	2677	4815	1082	3978	894	4.2	2.83	2.8	1.91	2.9	1.94	4	4	2
533	21.0	12527	2816	5064	1138	4184	941	4.4	2.97	3.0	2.01	3.0	2.04	4	4	2
609	24.0	14313	3218	5786	1301	4781	1075	5.1	3.40	3.4	2.29	3.5	2.33	5	5	3
685	27.0	16100	3619	6508	1463	5378	1209	5.7	3.82	3.8	2.58	3.9	2.62	5	5	3
761	30.0	17886	4021	7231	1625	5975	1343	6.3	4.25	4.3	2.86	4.3	2.92	6	6	3
837	33.0	19673	4422	7953	1788	6571	1477	6.9	4.67	4.7	3.15	4.8	3.21	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
1977	77.8	46460	10444	18782	4222	15519	3489	16.4	11.03	11.1	7.44	11.3	7.57	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
2965	116.7	69678	15664	28168	6332	23275	5232	24.6	16.54	16.6	11.16	16.9	11.36	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

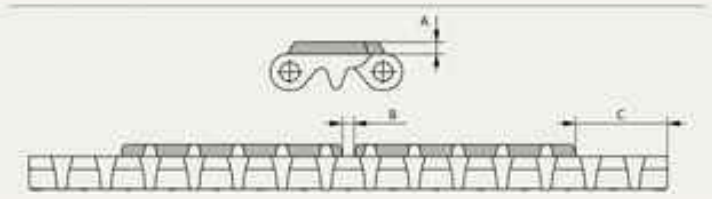
UNI-CHAINS · UNI S-MPB C

UNI S-MPB C

ACCESSORIES: RUBBER TOP, FLIGHT AND SIDE GUARD



ACCESSORIES – RUBBER TOP



RUBBER TOP: A, B AND C DIMENSIONS

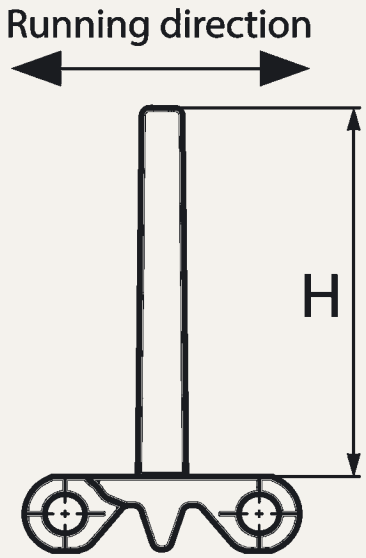
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	PP W B	03 N K	3.5	0.14	3.5	0.14	26.5	1.04	K725	184.2	7.25

Non Standard material and color: See uni Material and Color Overview.



FLIGHT – 13% NON STICK



FLIGHT HEIGHT H AND RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
13% Non Stick	POM-D W PP-I W B PE-I N B	76.2	3.00	K600	151.9	5.98	00.0	0.00
Flat		50.8	2.00	K2000	506.7	19.95	25.8	1.02

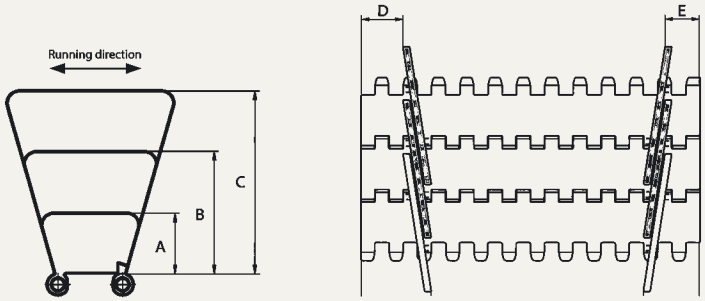
Photo of the Flat flight is not available in the legacy page.

UNI-CHAINS · UNI S-MPB C

UNI S-MPB C (CONT.)



SIDE GUARD – CLOSED



SIDE GUARD: A, B, C SECTION AND D, E, F, G PLAN VIEW

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	A		B		C		D		E		F		G	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guide: 75.0 mm (2.95 in).

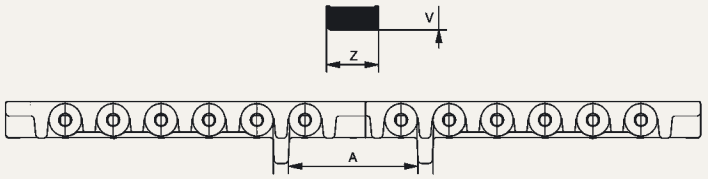
UNI-CHAINS · UNI S-MPB C

UNI S-MPB C

ACCESSORIES: TAB AND AMFLIGHT



ACCESSORIES – TAB



TAB: V, Z, A AND B DIMENSIONS

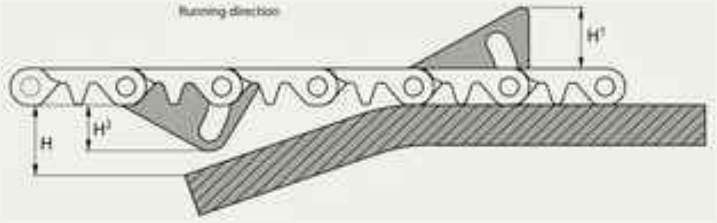
ACCESSORIES - TAB

TYPE	BELT MATERIAL & COLOR	V		Z		A		B		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Bottom Guide	POM-DI W PP W B	7.0	0.28	13.9	0.55	33.4	1.31	42.8	1.69	K725	184.2	7.25

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES – AMFLIGHT

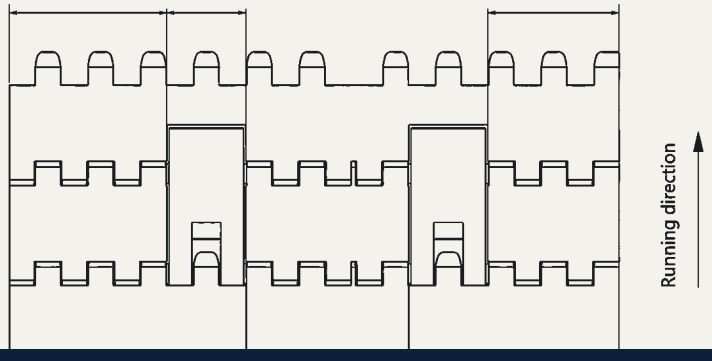


AMFLIGHT: H, H¹ AND H² OVER THE TRANSFER, RUNNING DIRECTION

ACCESSORIES - AMFLIGHT

TYPE	MATERIAL & COLOR	H		H¹		H²	
		MM	IN	MM	IN	MM	IN
Push	PE W	17.0	0.67	17.0	0.67	13.3	0.52

Other Non Standard option: See uni AmFlight Overview.



AMFLIGHT LAYOUT DIMENSIONS

	MM	IN
A min	38.4	1.51
B min	32.1	1.26
C	18.0	0.71
Pl max	W - 106.5	W - 4.19
Pl min	32.8	1.29

Increment: 12.7 mm (0.50 in).

UNI-CHAINS · UNI S-MPB C

UNI S-MPB C

DATASHEET: UNI S-MPB C

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x		●	●										45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21	x	x		
Z08	x					●	●	●						62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51	x	x		
Z10	x					●	●	●		●				79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82	x	x		
Z12	x					●	●	●		● ■				96	3.78	98.1	3.86	70	2.76	42.3	1.67	54.42	2.14	x	x		
Z15	x					●	●	●	■	● ■	■			120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62	x	x		
Z20	x							●	● ■	● ■	■			161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41	x	x		

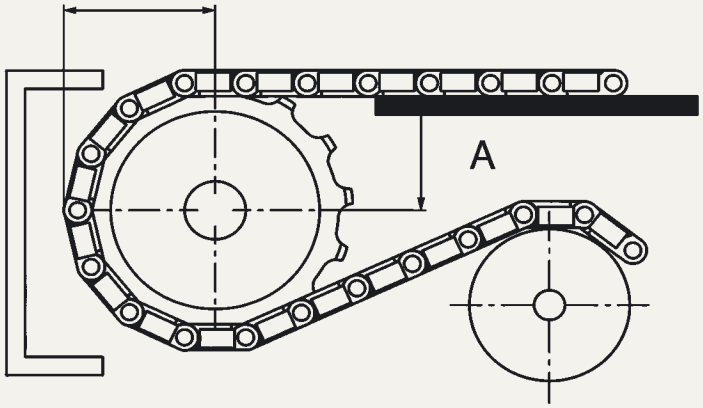
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■)



MOLDED SPROCKET (●)



A- AND B-DIMENSION ON THE SPROCKET

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 12.7 mm (0.50 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

For more detailed sprocket information, contact Customer Service.

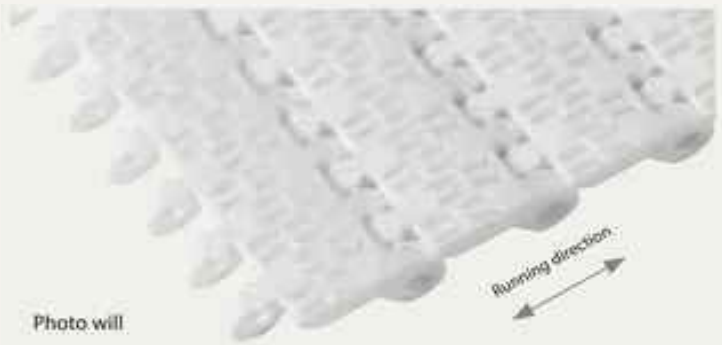
UNI-CHAINS · UNI S-MPB CS 22%

UNI S-MPB CS 22%

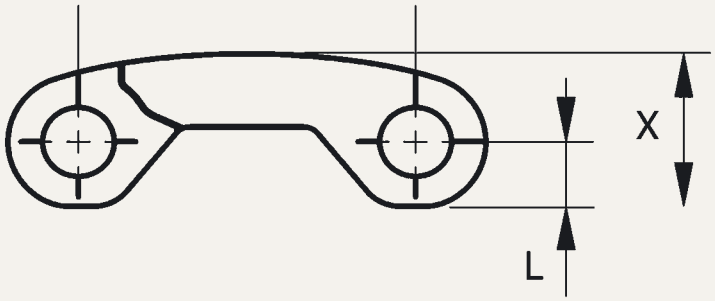
DATASHEET: UNI S-MPB CS 22%

PLASTIC MODULAR BELT

Series: **uni S-MPB** Type: **22% CS**



UNI S-MPB 22% CS BELT (PHOTO WILL BE UPDATED)



LINK CROSS-SECTION – P, X AND L

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Curved Surface
- Surface opening: 22%
- Backflex radius: 23.0 mm (0.91 in)
- Pin diameter: 5 mm (0.20 in)

MATERIALS & COLORS

Belt material & color	POM-DI W	PP W	PP B	PE-I B N
Pin material & color	PP W		PP B	PE N

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG, PA6.6 N, D

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	X	12.1	0.48
L	5.2	0.20	-	-	-

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1810	407	732	164	604	136	0.5	0.36	0.4	0.24	0.4	0.24	2	2	2
153	6.0	3596	808	1454	327	1201	270	1.1	0.72	0.7	0.48	0.7	0.48	2	2	2
229	9.0	5383	1210	2176	489	1798	404	1.6	1.08	1.1	0.72	1.1	0.72	2	2	2
305	12.0	7169	1612	2898	652	2395	538	2.1	1.44	1.4	0.96	1.4	0.96	3	3	2
381	15.0	8956	2013	3620	814	2992	672	2.7	1.79	1.8	1.20	1.8	1.20	3	3	2
457	18.0	10742	2415	4343	976	3588	807	3.2	2.15	2.1	1.44	2.1	1.44	4	4	2
533	21.0	12529	2816	5065	1139	4185	941	3.7	2.51	2.5	1.68	2.5	1.68	4	4	2
609	24.0	14315	3218	5787	1301	4782	1075	4.3	2.87	2.9	1.92	2.9	1.92	5	5	3
685	27.0	16102	3620	6509	1463	5379	1209	4.8	3.22	3.2	2.16	3.2	2.16	5	5	3
761	30.0	17888	4021	7231	1626	5975	1343	5.3	3.58	3.6	2.40	3.6	2.40	6	6	3
837	33.0	19675	4423	7954	1788	6572	1477	5.9	3.94	3.9	2.64	3.9	2.64	6	6	3
913	36.0	21461	4824	8676	1950	7169	1612	6.4	4.30	4.3	2.88	4.3	2.88	7	7	4
989	38.9	23248	5226	9398	2113	7766	1746	6.9	4.65	4.6	3.12	4.6	3.12	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
1977	77.8	46460	10444	18782	4222	15519	3489	13.8	9.30	9.3	6.24	9.3	6.24	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
2965	116.7	69678	15664	28168	6332	23275	5232	20.8	13.95	13.9	9.37	13.9	9.37	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PP 500 N (112 lbf), PE 500 N (112 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI S-MPB CS 22%

UNI S-MPB CS 22%

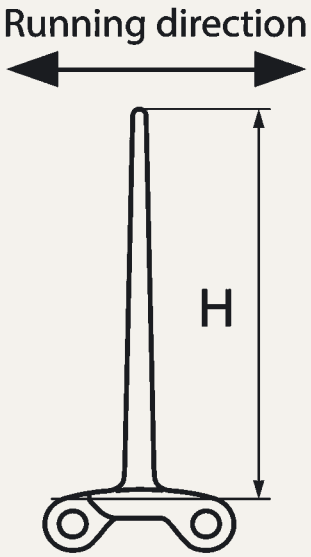
DATASHEET: UNI S-MPB CS 22%

ACCESSORIES

Flight



CS FLAT



FLIGHT HEIGHT H AND RUNNING DIRECTION

FLIGHT - CS FLAT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
CS Flat	POM-D W PP-I W B PE-I N B	76.2	3.00	K600	151.9	5.98	00.0	0.00

UNI-CHAINS · UNI S-MPB CS 22%

UNI S-MPB CS 22%

SPROCKETS FOR UNI S-MPB CS 22%

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x		●	●										45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21		x	x	
Z08	x					●	●	●						62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51		x	x	
Z10	x					●	●	●		●				79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82		x	x	
Z12	x					●	●	●		● ■				96	3.78	98.1	3.86	70	2.76	42.3	1.67	54.42	2.14		x	x	
Z15	x					●	●	●	■	● ■	■			120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62		x	x	
Z20	x							●	● ■	● ■	■			161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41		x	x	

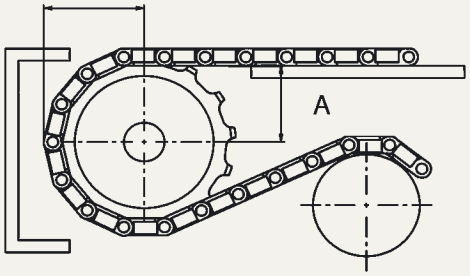
■ Molded sprocket ● Molded sprocket (see photos below).
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 12.7 mm (0.50 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

For more detailed sprocket information, contact Customer Service.

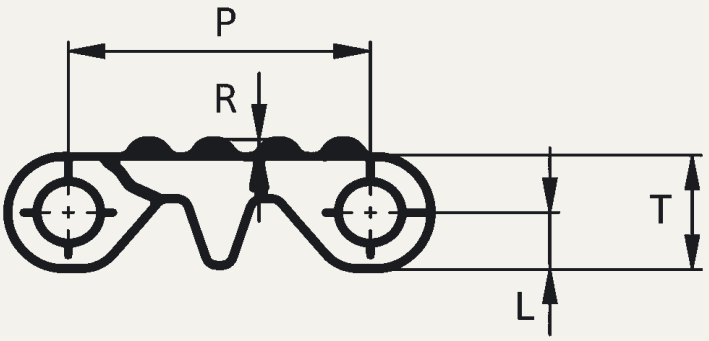
UNI-CHAINS · UNI S-MPB N

UNI S-MPB N

DATASHEET: UNI S-MPB N – PLASTIC MODULAR BELT, SERIES UNI S-MPB, TYPE N



UNI S-MPB N BELT SURFACE – RUNNING DIRECTION



LINK PROFILE – PITCH P, R, T AND L

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: No Cling
- Surface opening: Closed
- Backflex radius: 23.0 mm (0.91 in)
- Pin diameter: 5 mm (0.20 in)

BELT AND PIN MATERIAL & COLOR

BELT MATERIAL & COLOR	POM-DI W	PE-I N	PE-I B
Pin material & color	PP W	PE N	PE N

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG · PA6.6 D N · PP B
Note: uni S-MPB N is available with an indent of 38.6 mm (1.52 in) in both sides (as uni S-MPB NE).

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	L	5.20	0.20
R	1.50	0.06	T	10.3	0.41

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-DI/PP		PE-I/PE		POM-DI/PP		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1810	407	604	136	0.6	0.43	0.4	0.29	2	2	2
153	6.0	3596	808	1201	270	1.3	0.85	0.9	0.59	2	2	2
229	9.0	5383	1210	1798	404	1.9	1.28	1.3	0.88	2	2	2
305	12.0	7169	1612	2395	538	2.5	1.70	1.7	1.17	3	3	2
381	15.0	8956	2013	2992	672	3.2	2.13	2.2	1.46	3	3	2
457	18.0	10742	2415	3588	807	3.8	2.55	2.6	1.75	4	4	2
507	20.0	11910	2677	3978	894	4.2	2.83	2.9	1.94	4	4	2
533	21.0	12529	2816	4185	941	4.4	2.97	3.0	2.04	4	4	2
609	24.0	14315	3218	4782	1075	5.1	3.40	3.5	2.33	5	5	3
685	27.0	16102	3620	5379	1209	5.7	3.82	3.9	2.62	5	5	3
761	30.0	17888	4021	5975	1343	6.3	4.25	4.3	2.92	6	6	3
837	33.0	19675	4423	6572	1477	6.9	4.67	4.8	3.21	6	6	3
913	36.0	21461	4824	7169	1612	7.6	5.09	5.2	3.50	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).												
1977	77.8	46460	10444	15519	3489	16.4	11.03	11.3	7.57	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).												
2965	116.7	69678	15664	23275	5232	24.6	16.54	16.9	11.36	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI 1100 N (247 lbf), PE 500 N (112 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)*
☐ = Single Link

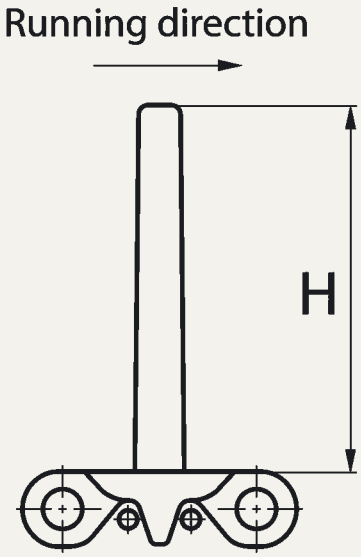
UNI-CHAINS · UNI S-MPB N

UNI S-MPB N

ACCESSORIES: FLIGHT AND SIDE GUIDE



13% NON STICK FLIGHT



FLIGHT HEIGHT H – RUNNING DIRECTION

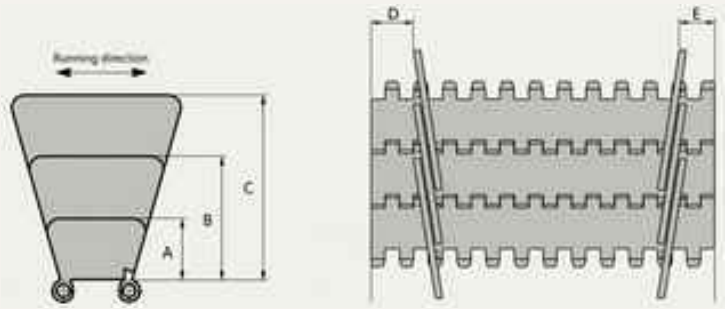
ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
13% Non Stick	POM-D W	76.2	3.00	K600	151.9	5.98	00.0	0.00
	PP-I W B							
Flat	PE-I N B	50.8	2.00	K2000	506.7	19.95	25.8	1.02

The "Flat" flight photo is not available in the legacy page (marked "Missing photo").



CLOSED SIDE GUIDE



SIDE GUIDE DIMENSIONS A–G

ACCESSORIES - SIDE GUIDE

TYPE	MATERIAL & COLOR	A		B		C		D		E		F		G	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-I W B	25.4	1.00	50.8	2.00	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of side guide: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guide: 75.0 mm (2.95 in)

UNI-CHAINS · UNI S-MPB N

UNI S-MPB N

SPROCKETS FOR UNI S-MPB N

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.05	20.00	25.00	25.40	30.00	31.75	38.10	40.00	60.00	63.50	90.00	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x		●	●										45.2	1.78	50.8	2.00	33	1.30	16.9	0.67	30,75	1.21		x	x	
Z08	x					●	●	●						62.5	2.46	66.4	2.61	50	1.97	25.56	1.01	38,53	1.51		x	x	
Z10	x					●	●	●		●				79.4	3.13	82.2	3.24	66	2.6	34	1.34	46,44	1.82		x	x	
Z12	x					●	●	●		● ■				96	3.78	98.1	3.86	70	2.76	42.3	1.67	54.42	2.14		x	x	
Z15	x					●	●	●	■	● ■	■			120.7	4.75	122.2	4.81	70	2.76	54.54	2.15	66.43	2.62		x	x	
Z20	x							●	● ■	● ■	■			161.6	6.36	162.4	6.39	70	2.76	75.08	2.96	86.53	3.41		x	x	

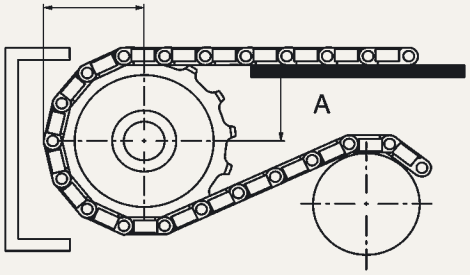
■ Molded sprocket ● Molded sprocket (see photos below).
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 12.7 mm (0.50 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni S-MPB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI SNB M2 20%

UNI SNB M2 20%

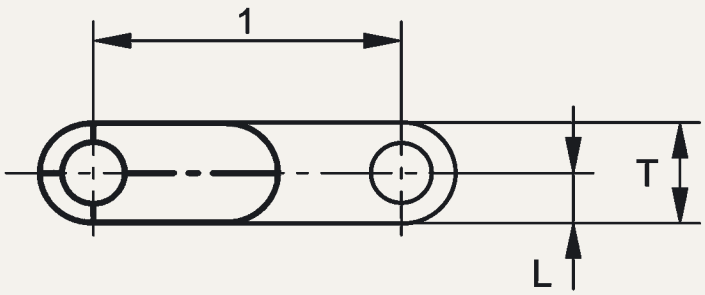
DATASHEET: UNI SNB M2 20%

PLASTIC MODULAR BELT

Series: **uni SNB** Type: **M2 20%**



UNI SNB M2 20% BELT, RUNNING DIRECTION



PITCH P, THICKNESS T AND DIMENSION L

BELT DATA

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 20%
- Backflex radius: 30.0 mm (1.20 in)
- Pin diameter: 5 mm (0.20 in)

BELT AND PIN MATERIALS

BELT MATERIAL & COLOR	POM-D B	PP B	PP W	PE N	PE B
Pin material & color		PP B	PP W	PE N	

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG, PA6.6 D N, PP B W, PE N.

PITCH AND LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	L	4.4	0.17
T	8.8	0.35	-	-	-

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
191	7.5	4489	1009	2865	644	1910	429	1.2	0.81	0.8	0.55	0.8	0.56	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
686	27.0	16121	3624	10290	2313	6860	1542	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
762	30.0	17907	4025	11430	2569	7620	1713	4.8	3.23	3.3	2.20	3.4	2.25	6	6	3
838	33.0	19693	4427	12570	2826	8380	1884	5.3	3.55	3.6	2.42	3.7	2.48	6	6	3
914	36.0	21479	4828	13710	3082	9140	2055	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4

UNI-CHAINS · UNI SNB M2 20%

UNI SNB M2 20%

DATASHEET: UNI SNB M2 20%



RUBBER TOP BELT SURFACE



K600 RUBBER TOP – DIMENSIONS A AND B



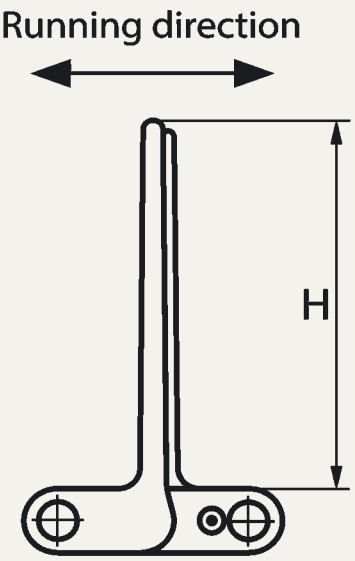
K750 RUBBER TOP – DIMENSIONS C AND B

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
	PP W	03 N							K600	152.4	6.00
									K750	190.5	7.50



FLIGHT – FRONT SIDE: FLAT, BACK SIDE: NON STICK



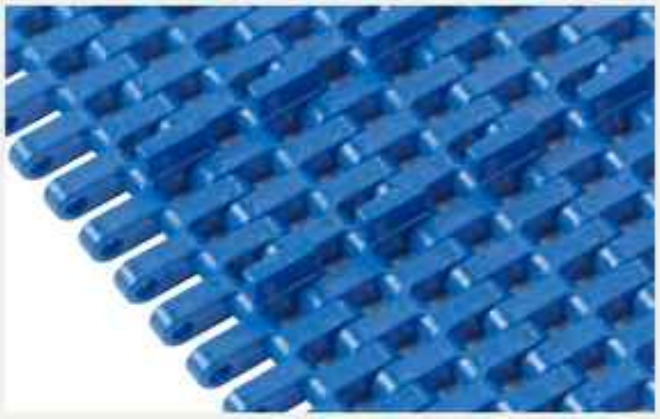
FLIGHT HEIGHT H AND RUNNING DIRECTION

ACCESSORIES - FLIGHT

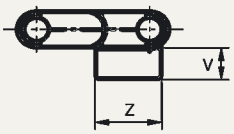
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
M2 20% Flat/Non Stick	PP-I W B	5.0	0.20	K600	151.1	5.99
	PE N B	25.4	1.00			
		50.8	2.00			
		76.2	3.00			
		101.6	4.00			

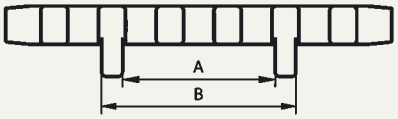
UNI-CHAINS · UNI SNB M2 20%

UNI SNB M2 20% (CONT.)



TAB / SINGLE LINK ONLY





TAB DIMENSIONS V, Z, A AND B

ACCESSORIES - TAB / SINGLE LINK ONLY

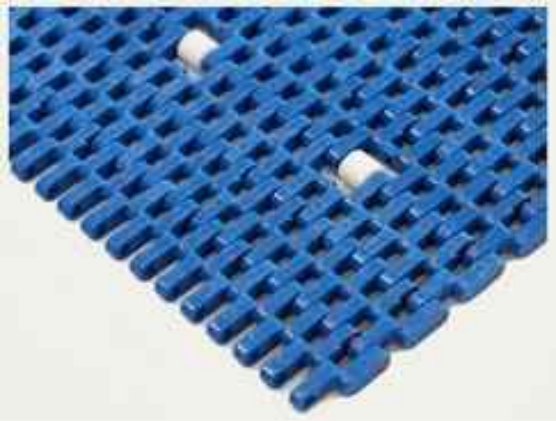
TYPE	TAB MATERIAL & COLOR	V		Z		A		B		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
M2 20% Bottom Guide	POM-D B	7.50	0.29	15.0	0.59	33.5	1.19	42.7	1.68	K750	189.4	7.46
	PP B											

Non Standard material and color: See uni Material and Color Overview.

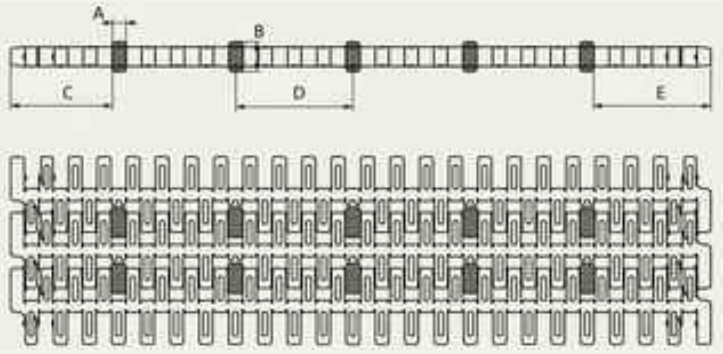
UNI-CHAINS · UNI SNB M2 20%

UNI SNB M2 20%

DATASHEET: UNI SNB M2 20%



BELT WITH ROLLERS (NON STANDARD)

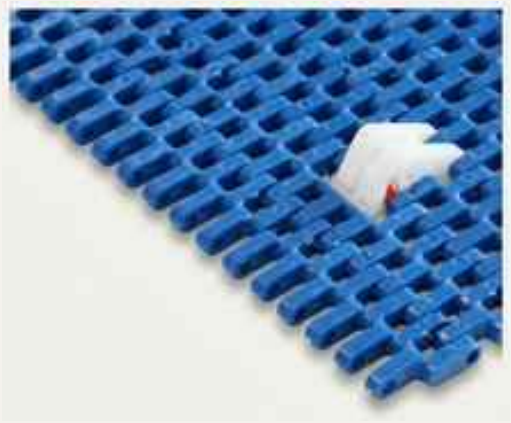


ROLLER POSITIONS A, B, C, D AND E (DRAWING WILL BE UPDATED)

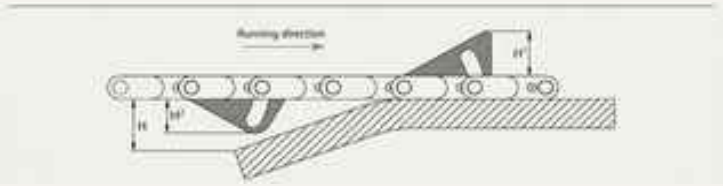
ACCESSORIES - ROLLERS NON STANDARD

TYPE	ROLLER MATERIAL & COLOR	A		B		C		D		E	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.



AMFLIGHT PUSH ELEMENT

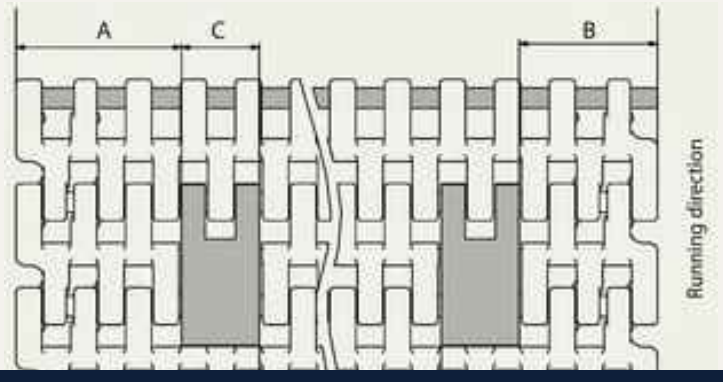


AMFLIGHT HEIGHTS H, H1 AND H2 AT THE TRANSFER

ACCESSORIES - AMFLIGHT

TYPE	MATERIAL & COLOR	H		H1		H2	
		MM	IN	MM	IN	MM	IN
Push	PP W	17.0	0.67	17.0	0.67	14.4	0.57

Other Non Standard option: See uni AmFlight Overview.



AMFLIGHT POSITIONING

	MM	IN
A min	38.3	1.51
B min	32.1	1.26
C	18.0	0.71
Pl max	W - 106.4	W - 4.19
Pl min	33.2	1.31

Increment: 12.7 mm (0.50 in).

UNI-CHAINS · UNI SNB M2 20%

UNI SNB M2 20%

DATASHEET: UNI SNB M2 20%

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM (0.75 IN)	20.0 MM (0.78 IN)	25.0 MM (0.98 IN)	25.4 MM (1.00 IN)	30.0 MM (1.18 IN)	31.8 MM (1.25 IN)	38.1 MM (1.50 IN)	40.0 MM (1.57 IN)	60.0 MM (2.36 IN)	63.5 MM (2.50 IN)	90.0 MM (3.54 IN)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x				●	●	●	■	● ■				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x					●	●	● ■	● ■				151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x									● ■	● ■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x					●	●	● ■	● ■				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x									● ■	● ■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x					●	●	● ■	● ■				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x									● ■	● ■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

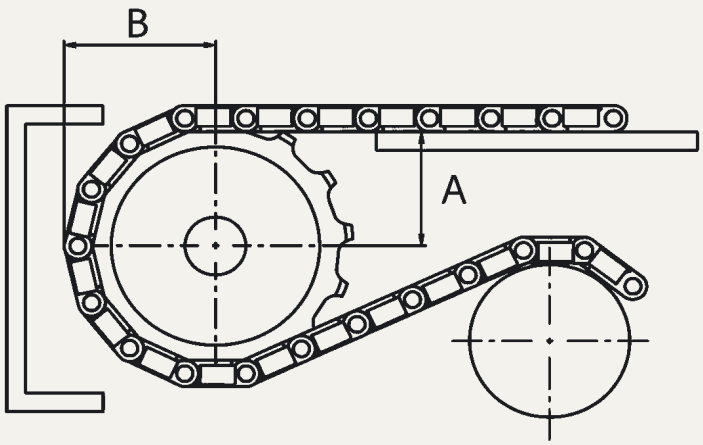
■ = Molded sprocket ● = Molded sprocket
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET (SQUARE BORE)



● MOLDED SPROCKET (ROUND BORE)



SPROCKET POSITION – A- AND B-DIMENSION

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 6.0 mm (0.24 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.

For more detailed sprocket information, contact Customer Service.

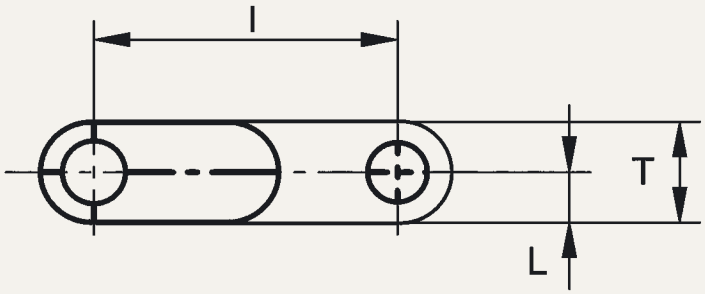
UNI-CHAINS · UNI SNB M2 34%

UNI SNB M2 34%

DATASHEET: UNI SNB M2 34%



PLASTIC MODULAR BELT – SERIES UNI SNB, TYPE M2 34% (PHOTO WILL BE UPDATED)



LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 34%
- Backflex radius: 30.0 mm (1.20 in)
- Pin diameter: ø5 mm (0.20 in)

MATERIAL AND COLOR

BELT MATERIAL & COLOR	PIN MATERIAL & COLOR
POM-D B	PP B
PP B	PP B
PP G	PP W
PP W	PP W
PE N	PE N
PE B	PE N

Non standard material and color: See uni Material and Color Overview.

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	L	4.4	0.17
T	8.8	0.35	-	-	-

ALTERNATIVE PIN AND LOCK MATERIALS

Pin: PP W · PE W · PA6.6 B · PBT LG · SS304

Lockpin: PBT LG · PA6.6 D, N · PP B, W · PE N

Endlock: PP B, G, W

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
45	1.8	1034	232	660	148	440	99	0.3	0.19	0.2	0.13	0.2	0.13	2	1	1
77	3.0	1810	407	1155	260	770	173	0.5	0.33	0.3	0.22	0.3	0.23	2	2	2
153	6.0	3596	808	2295	516	1530	344	1.0	0.65	0.7	0.44	0.7	0.45	2	2	2
229	9.0	5382	1210	3435	772	2290	515	1.4	0.97	1.0	0.66	1.0	0.68	2	2	2
305	12.0	7168	1611	4575	1028	3050	686	1.9	1.29	1.3	0.88	1.3	0.90	3	3	2
381	15.0	8954	2013	5715	1285	3810	856	2.4	1.61	1.6	1.10	1.7	1.13	3	3	2
457	18.0	10740	2414	6855	1541	4570	1027	2.9	1.93	2.0	1.32	2.0	1.35	4	4	2
533	21.0	12526	2816	7995	1797	5330	1198	3.4	2.26	2.3	1.54	2.3	1.58	4	4	2
609	24.0	14312	3217	9135	2054	6090	1369	3.8	2.58	2.6	1.76	2.7	1.80	5	5	3
686	27.0	16121	3624	10290	2313	6860	1542	4.3	2.90	2.9	1.98	3.0	2.03	5	5	3
762	30.0	17907	4025	11430	2569	7620	1713	4.8	3.23	3.3	2.20	3.4	2.25	6	6	3
838	33.0	19693	4427	12570	2826	8380	1884	5.3	3.55	3.6	2.42	3.7	2.48	6	6	3
914	36.0	21479	4828	13710	3082	9140	2055	5.8	3.87	3.9	2.64	4.0	2.70	7	7	4

UNI-CHAINS · UNI SNB M2 34%

UNI SNB M2 34%

DATASHEET: UNI SNB M2 34%



RUBBER TOP



K600 – DIMENSIONS A AND B



K750 – DIMENSIONS C AND B

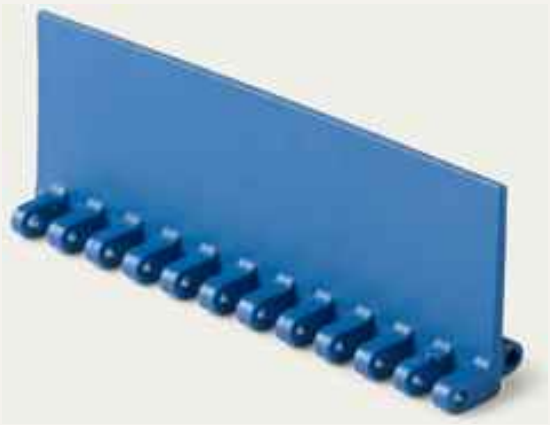
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C	
			MM	IN	MM	IN	MM	IN
M2 20% Flat	PP B	03 K	7.5	0.30	3.4	0.13	36.0	1.41
	PP W	03 N						

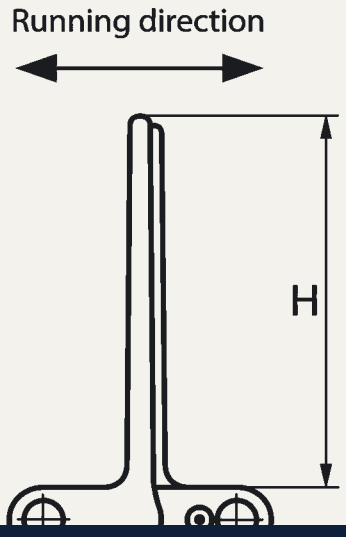
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - RUBBER TOP: LINK SIZE AND WIDTH

LINK SIZE	WIDTH	
	MM	IN
K300	77.0	3.00
K600	152.4	6.00
K750	190.5	7.50



FRONT SIDE: FLAT / BACK SIDE: NON STICK



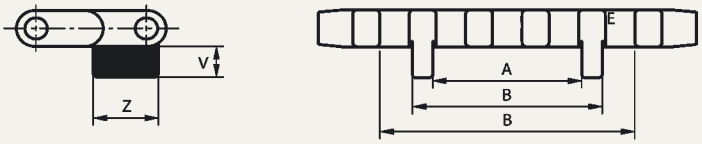
UNI-CHAINS · UNI SNB M2 34%

UNI SNB M2 34%

DATASHEET: UNI SNB M2 34%



TAB / SINGLE LINK ONLY (PHOTO WILL BE UPDATED)



TAB DIMENSIONS V, Z, A, B AND E

ACCESSORIES - TAB / SINGLE LINK ONLY

TYPE	TAB MATERIAL & COLOR	V		Z		A		B	
		MM	IN	MM	IN	MM	IN	MM	IN
M2 20% Bottom Guide	POM-D B	7.50	0.29	15.0	0.59	33.5	1.19	42.7	1.68
	PP B								

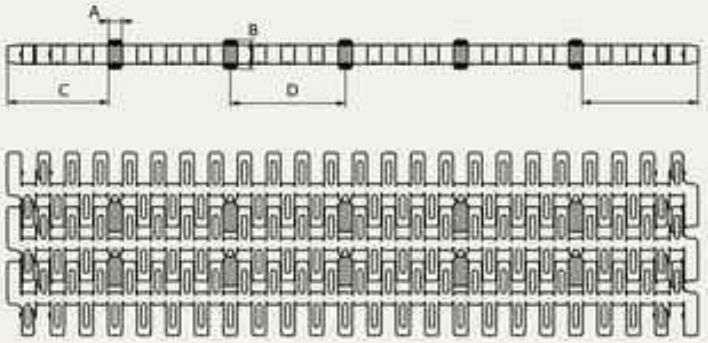
Non Standard material and color: See uni Material and Color Overview.

TAB / SINGLE LINK ONLY - LINK SIZE AND WIDTH

LINK SIZE	WIDTH	
	MM	IN
K325	82.3	3.24
K335	85.0	3.35
K450	114.3	4.50
K600	152.1	5.99
K750	189.4	7.46



ROLLERS (NON STANDARD)



ROLLER DIMENSIONS A, B, C AND D

ACCESSORIES - ROLLERS (NON STANDARD)

TYPE	ROLLER MATERIAL & COLOR	A		B		C		D		E	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

UNI-CHAINS · UNI SNB M2 34%

UNI SNB M2 34%

DATASHEET: UNI SNB M2 34%

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x				●	●	●	■	● ■				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x					●	●	● ■	● ■				151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x									● ■	● ■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x					●	●	● ■	● ■				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x									● ■	● ■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x					●	●	● ■	● ■				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x									● ■	● ■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

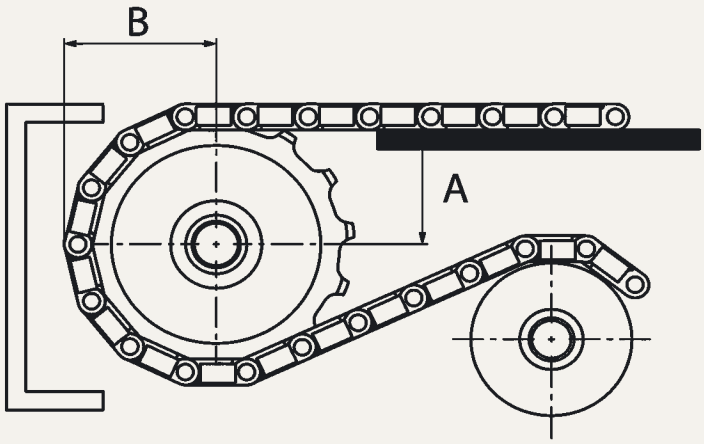
■ Molded sprocket ● Molded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT LAYOUT

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 6.0 mm (0.24 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI SNB M2 34% RIB

UNI SNB M2 34% RIB

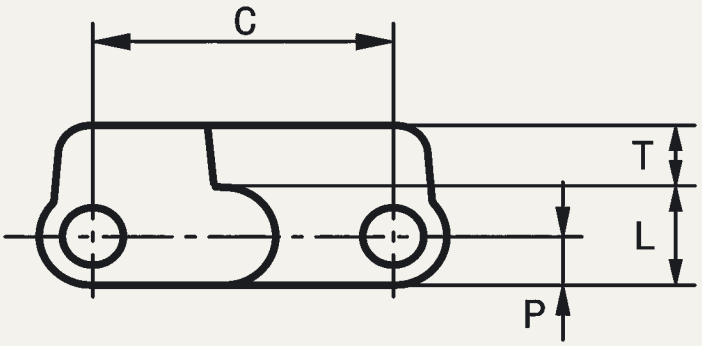
DATASHEET: UNI SNB M2 34% RIB

PLASTIC MODULAR BELT

Series: **uni SNB** Type: **M2 34% Rib**



UNI SNB M2 34% RIB BELT (RUNNING DIRECTION SHOWN)



BELT LINK SECTION – P, L, R AND T DIMENSIONS

STRAIGHT RUNNING BELT

- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Rib Top
- Surface opening: 34%
- Backflex radius: 30.0 mm (1.20 in)
- Pin diameter: ø5 mm (0.20 in)

BELT AND PIN MATERIAL & COLOR

	MATERIAL & COLOR	
Belt material & color	POM-SLF B	PP B
Pin material & color	PP B	

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PA6.6 B, SS304 Endlock: PP B Lockpin: PP W, PBT LG, PA6.6 D, PA6.6 N, PE N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	R	5.5	0.22
L	4.4	0.17	T	8.8	0.35

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-SLF/PP N	POM-SLF/PP LBF	PP/PP N	PP/PP LBF	POM-SLF/PP KG/M	POM-SLF/PP LB/FT	PP/PP KG/M	PP/PP LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1810	407	1155	260	0.5	0.33	0.3	0.22	2	2	2
153	6.0	3596	808	2295	516	1.0	0.65	0.7	0.44	2	2	2
229	9.0	5382	1210	3435	772	1.4	0.97	1.0	0.66	2	2	2
305	12.0	7168	1611	4575	1028	1.9	1.29	1.3	0.88	3	3	2
381	15.0	8954	2013	5715	1285	2.4	1.61	1.6	1.10	3	3	2
457	18.0	10740	2414	6855	1541	2.9	1.93	2.0	1.32	4	4	2
533	21.0	12526	2816	7995	1797	3.4	2.26	2.3	1.54	4	4	2
609	24.0	14312	3217	9135	2054	3.8	2.58	2.6	1.76	5	5	3
685	27.0	16098	3619	10275	2310	4.3	2.90	2.9	1.98	5	5	3
761	30.0	17884	4020	11415	2566	4.8	3.22	3.3	2.20	6	6	3
837	33.0	19670	4422	12555	2822	5.3	3.54	3.6	2.42	6	6	3
913	35.9	21456	4823	13695	3079	5.8	3.87	3.9	2.64	7	7	4
989	38.9	23242	5225	14835	3335	6.2	4.19	4.3	2.86	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)												
1979	77.9	46507	10455	29685	6673	12.5	8.38	8.5	5.72	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)												
2969	116.9	69772	15685	44535	10011	18.7	12.57	12.8	8.58	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1400 N (315 lbf), PP 1100 N (247 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*

UNI-CHAINS · UNI SNB M2 34% RIB

UNI SNB M2 34% RIB

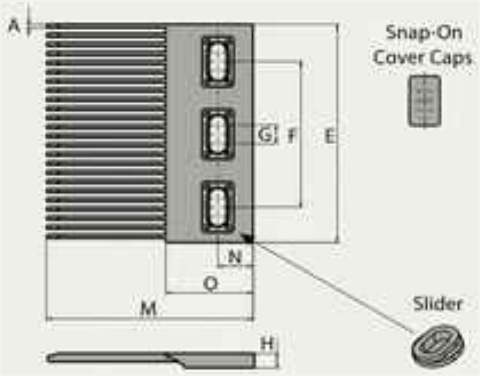
DATASHEET: UNI SNB M2 34% RIB

ACCESSORIES

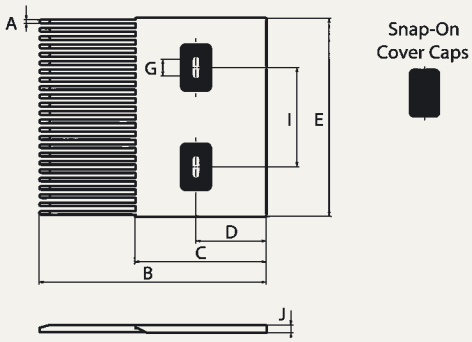
Finger Plates



TYPE 2S



TYPE 2 – FINGER PLATE WITH SNAP-ON COVER CAPS AND SLIDER



TYPE 2S – FINGER PLATE WITH SNAP-ON COVER CAPS

FINGER PLATES - DIMENSIONS A-F

TYPE	MATERIAL & COLOR	A		B		C		D		E		F	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Single Sided	POM-EC K	2.5	0.10	165.0	6.50	95.0	3.74	51.0	2.01	152.1	5.99	100.0	3.94

FINGER PLATES - DIMENSIONS G-O

G		H		I		J		M		N		O	
MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
12.0	0.47	10.3	0.41	76.0	3.00	6.0	0.24	135.0	5.31	23.0	0.91	57.0	2.24

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

Non standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI SNB M2 34% RIB

UNI SNB M2 34% RIB

DATASHEET: UNI SNB M2 34% RIB

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x				●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x				●	●	●	■	● ■				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x					●	●	● ■	● ■				151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x									● ■	● ■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x					●	●	● ■	● ■				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x									● ■	● ■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x					●	●	● ■	● ■				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x									● ■	● ■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

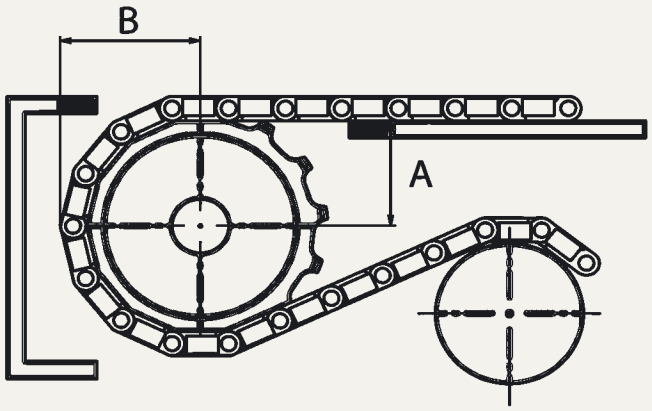
■ Molded sprocket ● Molded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT LAYOUT

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 6.0 mm (0.24 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.
For more detailed sprocket information, contact Customer Service.

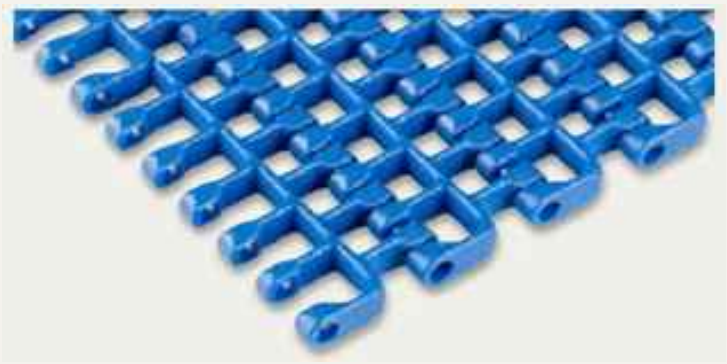
UNI-CHAINS · UNI SNB M2 50%

UNI SNB M2 50%

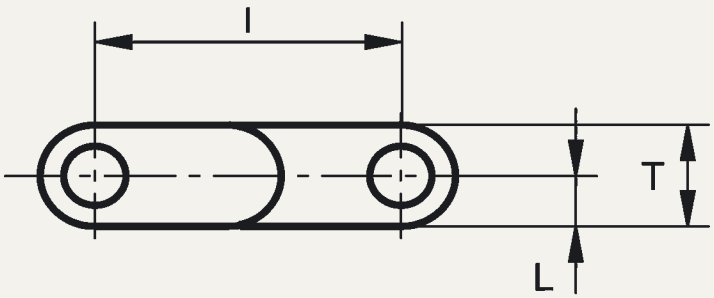
DATASHEET: UNI SNB M2 50%

PLASTIC MODULAR BELT

Series: **uni SNB** Type: **M2 50%**



UNI SNB M2 50% BELT SURFACE, RUNNING DIRECTION



BELT LINK CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 50%
- Backflex radius: 30.0 mm (1.20 in)
- Pin diameter: 5 mm (0.20 in)

MATERIALS AND COLORS

Belt material & color	PA6.6 B · PP B · PP W G
Pin material & color	PP B · PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	L	4.4	0.17
T	8.8	0.35	-	-	-

Alternative pin and lock materials: Lockpin: PBT LG · PA6.6 D N · PP B W · PE N

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP/PP		PA6.6/PP		PP/PP		PA6.6/PP			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	1836	413	3060	688	0.5	0.31	0.6	0.38	2	2	2
229	9.0	2749	618	4582	1030	0.7	0.47	0.8	0.57	2	2	2
305	12.0	3662	823	6104	1372	0.9	0.62	1.1	0.75	3	3	2
381	15.0	4576	1029	7626	1714	1.2	0.78	1.4	0.94	3	3	2
457	18.0	5489	1234	9148	2056	1.4	0.93	1.7	1.13	4	4	2
534	21.0	6402	1439	10670	2399	1.6	1.09	2.0	1.32	4	4	2
610	24.0	7315	1644	12192	2741	1.8	1.24	2.2	1.50	5	5	3
686	27.0	8228	1850	13714	3083	2.1	1.40	2.5	1.69	5	5	3
762	30.0	9142	2055	15236	3425	2.3	1.55	2.8	1.88	6	6	3
838	33.0	10055	2260	16758	3767	2.5	1.71	3.1	2.07	6	6	3
914	36.0	10968	2466	18280	4109	2.8	1.86	3.4	2.25	7	7	4
990	39.0	11881	2671	19802	4451	3.0	2.02	3.6	2.44	7	7	4
1066	42.0	12794	2876	21324	4794	3.2	2.17	3.9	2.63	8	8	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).												
1979	77.9	23748	5339	39580	8898	6.0	4.03	7.3	4.88	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).												
2969	116.9	35628	8009	59380	13349	9.0	6.05	10.9	7.32	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
Belt widths in PA66 is 0.2 % wider than the belt widths in the table above.

UNI-CHAINS · UNI SNB M2 50%

UNI SNB M2 50%

DATASHEET: UNI SNB M2 50%



RUBBER TOP BELT SURFACE



K600 RUBBER TOP: DIMENSIONS A AND B



K750 RUBBER TOP: DIMENSIONS C AND B

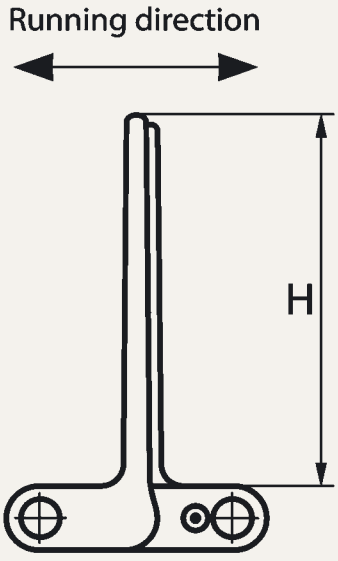
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
M2 20% Flat	PP B PP W	03 K 03 N	7.5	0.30	3.4	0.13	36.0	1.41	K300	77.0	3.00
									K600	152.4	6.00
									K750	190.5	7.50

Non Standard material and color: See uni Material and Color Overview.



FLIGHT – FRONT SIDE: FLAT; BACK SIDE: NON STICK



FLIGHT HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

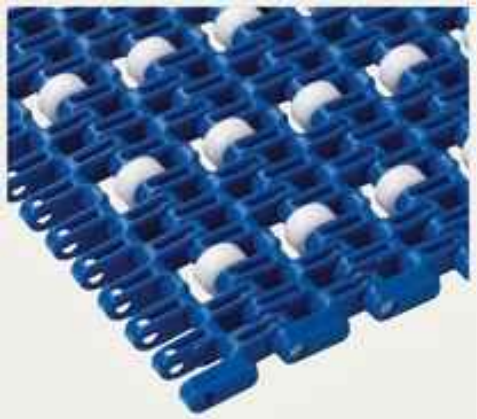
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
M2 20% Flat Non Stick	PP-I W B PE N B	5.0	0.20	K600	151.1	5.99
		25.4	1.00			
		50.8	2.00			
		76.2	3.00			
		101.6	4.00			

Photo and drawing show the back side of the flight (Non Stick). Front side is flat.

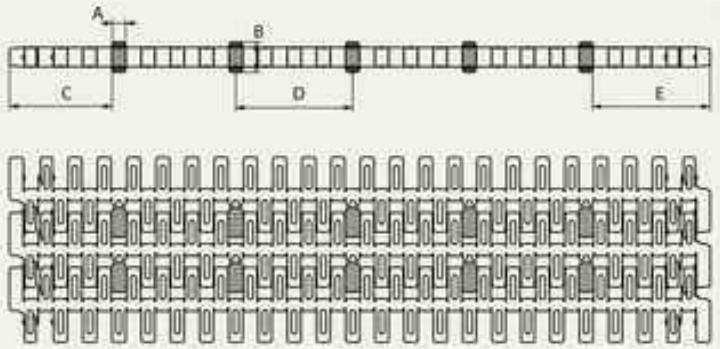
UNI-CHAINS · UNI SNB M2 50%

UNI SNB M2 50%

DATASHEET: UNI SNB M2 50%



ROLLERS (NON STANDARD) – PHOTO WILL BE UPDATED



ROLLER LAYOUT: DIMENSIONS A, B, C, D, E

ACCESSORIES - ROLLERS NON STANDARD

TYPE	ROLLER MATERIAL & COLOR	A		B		C		D		E	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.7	0.22	13.5	0.53	44.6	1.75	50.8	2.00	51.0	2.01

Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, RUNNING DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard Principle sketch option: See uni AmFlight Overview.

UNI-CHAINS · UNI SNB M2 50%

UNI SNB M2 50%

DATASHEET: UNI SNB M2 50%

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z10	x					●	●	●	■	●				86.0	3.39	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1.79	x		x	
Z12	x					●	●	●	■	●■				102.6	4.04	98.1	3.86	65.0	2.56	43.0	1.69	53.5	2.11	x		x	
Z18	x						●	●	●■	●■				151.8	5.98	146.3	5.76	65.0	2.56	67.6	2.66	77.6	3.06	x		x	
Z18	x										●■	●■		151.8	5.98	146.3	5.76	120.0	4.72	67.6	2.66	77.6	3.06	x		x	
Z19	x						●	●	●■	●■				160.0	6.3	154.3	6.07	65.0	2.56	71.7	2.82	81.6	3.21	x		x	
Z19	x										●■	●■		160.0	6.3	154.3	6.07	120.0	4.72	71.7	2.82	81.6	3.21	x		x	
Z20	x						●	●	●■	●■				168.2	6.62	162.4	6.39	65.0	2.56	75.8	2.98	85.6	3.37	x		x	
Z20	x										●■	●■		168.2	6.62	162.4	6.39	120.0	4.72	75.8	2.98	85.6	3.37	x		x	

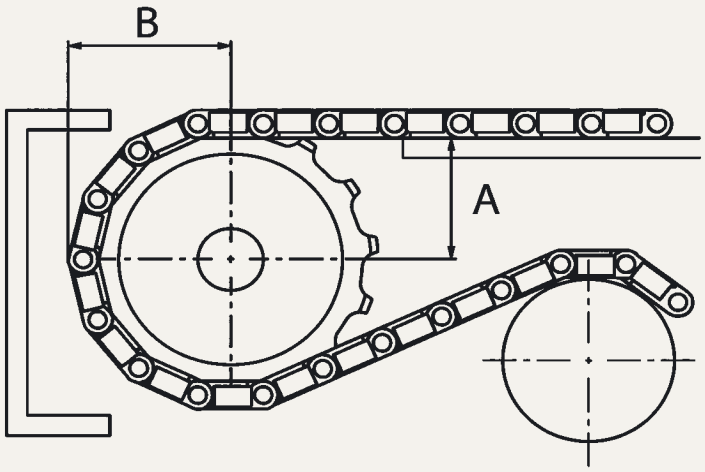
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 6.0 mm (0.24 in)
Width of sprocket = 25.0 mm (0.98 in)

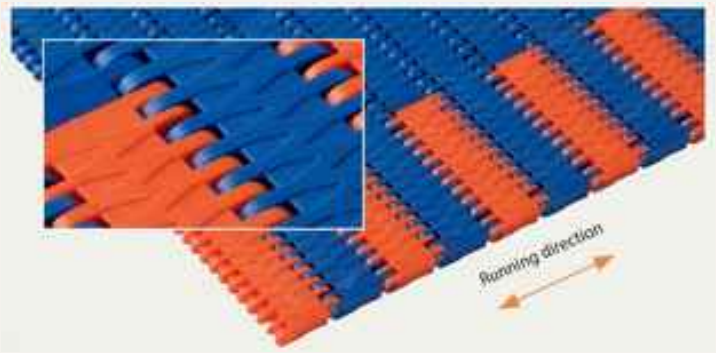
Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SNB.
For more detailed sprocket information, contact Customer Service.

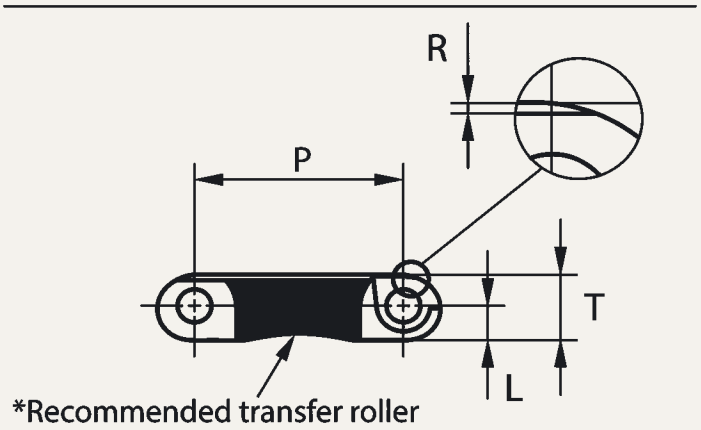
UNI-CHAINS · UNI JCB Y

UNI JCB Y

DATASHEET: UNI JCB Y



UNI JCB Y BELT – RUNNING DIRECTION



BELT SECTION: P (NOMINAL PITCH), T, L AND R. *RECOMMENDED TRANSFER ROLLER DIAMETERS: Ø60 MM (2.36 IN).

PLASTIC MODULAR BELT - SERIES UNI JCB, TYPE Y

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Y Pattern surface grid
- Surface opening: 0%
- Backflex radius: 25.0 mm (0.98 in)
- Pin diameter: 4.0 mm (0.16 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM SLF B
Pin material & color	PA6.6 B PA6.6 O *

POM SLF orange or yellow links can be used as SAFE WALK markers.
**Only for K200*

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
T	8.4	0.33
L	4.4	0.17
R	0.4	0.02

BELT WIDTH, TENSILE FORCE, WEIGHT & SUPPORT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM SLF/PA6.6		BELT WEIGHT (BELT/PIN MATERIAL) POM SLF/PA6.6		*MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
MM	IN	N	LBF	KG/M	LB/FT		***CARRY (PCS)	**RETURN (PCS)
50.3	2.0	1761	396	0.3	0.22	1	2	2
76	3.0	2660	598	0.5	0.33	2	2	2
153	6.0	5355	1204	1.0	0.67	2	2	2
229	9.0	8015	1802	1.5	1.00	2	2	2
305	12.0	10675	2400	2.0	1.33	3	3	2
382	15.0	13370	3006	2.5	1.67	3	3	2
458	18.0	16030	3604	3.0	2.00	4	4	2
534	21.0	18690	4202	3.5	2.33	4	4	2
610	24.0	21350	4799	4.0	2.66	5	5	3
687	27.0	24045	5405	4.5	3.00	5	5	3
763	30.0	26705	6003	5.0	3.33	6	6	3
839	33.0	29365	6601	5.5	3.67	6	6	3
915	36.0	32025	7199	5.9	4.00	7	7	4
STANDARD INCREMENTS IN BELT WIDTH: 76.3 MM (3.00 IN).								
1983	78.1	69405	15602	12.9	8.66	14	14	7

UNI-CHAINS · UNI JCB Y

UNI JCB Y

DATASHEET: UNI JCB Y

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE							OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		1.00 IN (25.4 MM)	1.18 IN (30.0 MM)	1.25 IN (31.8 MM)	1.50 IN (38.1 MM)	1.57 IN (40.0 MM)	2.36 IN (60.0 MM)	2.50 IN (63.5 MM)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x	●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x	●	●	●	■	● ■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x		●	●	● ■	● ■	[2]■	[1]■	121.5	4.78	122.2	4.81	70.0 [1]100.0 [2]104.0	2.76 [1]3.94 [2]4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x		●	●	● ■	● ■	[2]■	[1]■	146.0	5.75	146.3	5.76	70.0 [2]104.0 [1]120.0	2.76 [2]4.09 [1]4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x		●	●	● ■	■	[1]■	[1]■	154.2	6.07	154.3	6.07	70.0 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket
[1] [2] Hub-diameter depends on the bore size carrying the same superscript.
Non standard material and color: See uni Material and Color Overview.



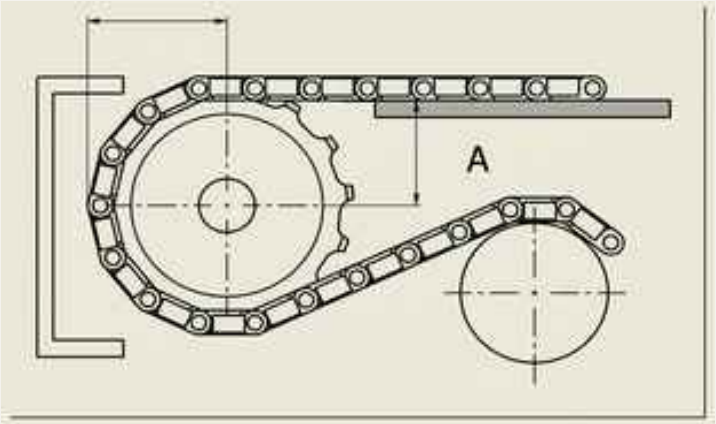
MOULDED SPROCKET



MOULDED SPROCKET



MOULDED SPROCKET



SPROCKET A- AND B-DIMENSION

Same sprocket type as for the uni QNB serie.
Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 10.0 mm (0.39 in)
Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni JCB. For more detailed sprocket information, contact Customer Service.

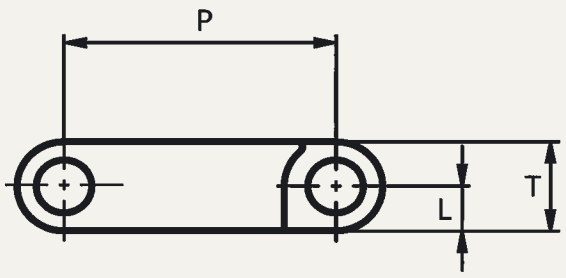
UNI-CHAINS · UNI QNB C

UNI QNB C

DATASHEET: UNI QNB C



UNI QNB C BELT – RUNNING DIRECTION



BELT SECTION: P (NOMINAL PITCH), T AND L

PLASTIC MODULAR BELT - SERIES UNI QNB, TYPE C

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 40.0 mm (1.57 in)
- Pin diameter: 5.0 mm (0.19 in)

MATERIALS

	OPTION 1	OPTION 2	OPTION 3
Belt material & color	POM-SLF B	PP B	PP W
Pin material & color	PP B	PP B	PP W

The PP B pin applies to both the POM-SLF B and the PP B belt.
Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
T	8.8	0.35
L	4.4	0.17

ALTERNATIVE PIN AND LOCK MATERIALS

Solid Lockpin: PA6.6 D

Lockpin: PBT LG, PA6.6 D, PA6.6 N, PP B, PP W

Pin: PP W, PA6.6 B, PE W, PBT LG and SS304

Endlock: PP D

BELT WIDTH, TENSILE FORCE, WEIGHT & SUPPORT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-SLF/PP		PP/PP		POM-SLF/PP		PP/PP				
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
39	1.5	1365	307	780	175	0.3	0.22	0.2	0.14	1	1	1
51	2.0	1768	397	1010	227	0.4	0.29	0.3	0.18	2	1	1
77	3.0	2695	606	1540	346	0.6	0.43	0.4	0.28	2	2	2
153	6.0	5355	1204	3060	688	1.3	0.86	0.8	0.56	2	2	2
229	9.0	8015	1802	4580	1030	1.9	1.29	1.2	0.83	2	2	2
305	12.0	10675	2400	6100	1371	2.6	1.72	1.6	1.11	3	3	2
382	15.0	13370	3006	7640	1717	3.2	2.16	2.1	1.39	3	3	2
458	18.0	16030	3604	9160	2059	3.8	2.59	2.5	1.66	4	4	2
534	21.0	18690	4202	10680	2401	4.5	3.01	2.9	1.94	4	4	2
610	24.0	21350	4799	12200	2743	5.1	3.44	3.3	2.21	5	5	3
687	27.0	24045	5405	13740	3089	5.8	3.88	3.7	2.49	5	5	3
763	30.0	26705	6003	15260	3430	6.4	4.31	4.1	2.77	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.3 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
1983	78.1	69405	15602	39660	8916	16.7	11.19	10.7	7.20	14	14	7

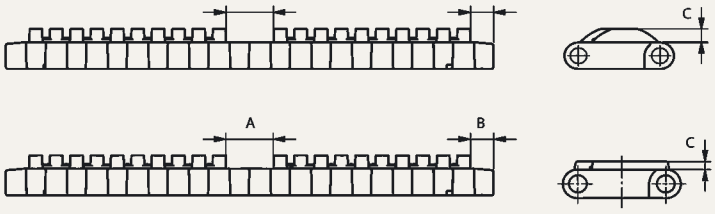
UNI-CHAINS · UNI QNB C

UNI QNB C

DATASHEET: UNI QNB C



UNI QNB C RUBBER TOP BELT



RUBBER TOP – CURVED RIB (UPPER) AND FLAT RIB (LOWER) PROFILES, DIMENSIONS A, B, C

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rib	PP B	03 K	14.9	0.59	7.3	0.29	4.5	0.18	K300	75.8	2.98
Curved Rib	PP B	03 K	14.9	0.59	7.3	0.29	4.5	0.18	K600	152.0	5.98
Flat Rib	PP B	03 K	14.9	0.59	7.3	0.29	2.5	0.10	K300	75.8	2.98
Flat Rib	PP B	03 K	14.9	0.59	7.3	0.29	2.5	0.10	K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.



UNI QNB C BELT WITH FLIGHT



FLIGHT PROFILE – DIMENSION H

ACCESSORIES - FLIGHT

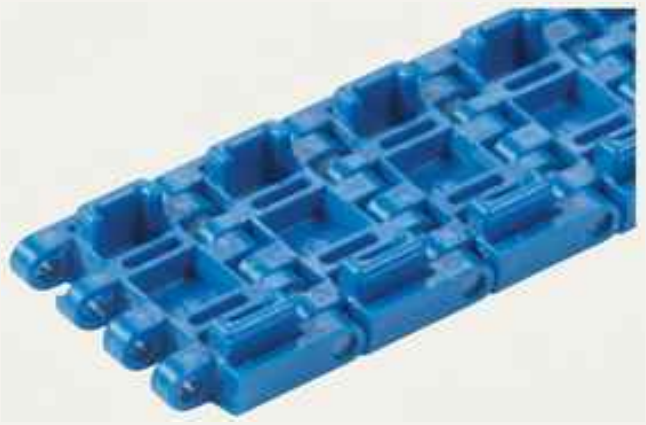
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I B W POM-SLF B	25.4	1.00	K600	152.0	5.98	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

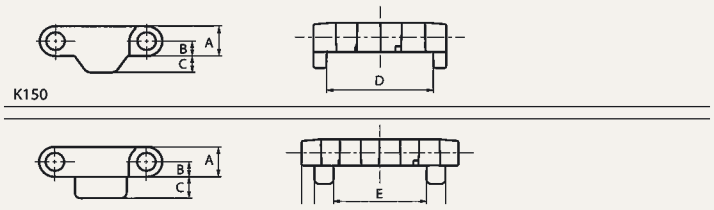
UNI-CHAINS · UNI QNB C

UNI QNB C

DATASHEET: UNI QNB C



UNI QNB C BELT WITH TAB



TAB DIMENSIONS A, B, C, D, E, F – K150 (UPPER) AND K200 (LOWER)

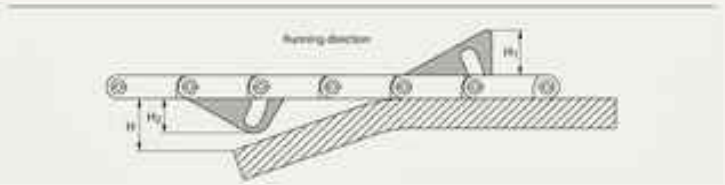
ACCESSORIES - TAB - SINGLE LINK ONLY

TYPE	LINK MATERIAL & COLOR	PIN MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	
Bottom Guide	POM-SLF B PP B	PBT LG PA6.6 D	8.8	0.35	4.4	0.17	4.8	0.19	30.3	1.19	29.9	1.18	42.1	1.66	K150 K200

Solid Lockpin as default lock system.
Non Standard material and color: See uni Material and Color Overview.



UNI QNB C BELT WITH AMFLIGHT

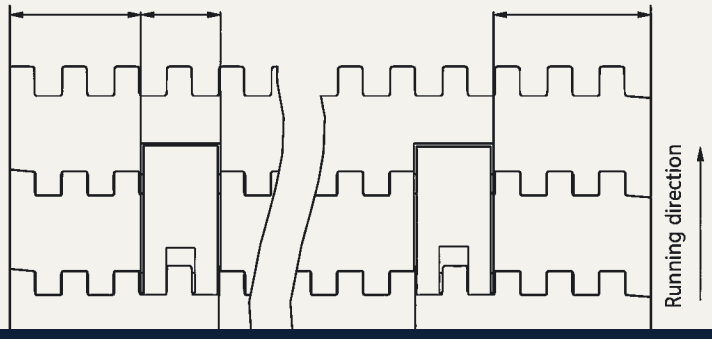


AMFLIGHT CROSS-SECTION – H, H¹, H² (RUNNING DIRECTION)

ACCESSORIES - AMFLIGHT

TYPE	MATERIAL & COLOR	H		H¹		H²	
		MM	IN	MM	IN	MM	IN
Push	PE W	17.0	0.67	17.0	0.67	14.0	0.55

Other Non Standard option: See uni AmFlight Overview.



AMFLIGHT LAYOUT DIMENSIONS

DIMENSION	MM	IN
A min	32.4	1.28
B min	38.5	1.52
C	18.0	0.71
Pl max	W - 106.9	W - 4.21
Pl min	32.7	1.29

Increment: 12.7 mm (0.50 in)

UNI-CHAINS · UNI QNB C

UNI QNB C

DATASHEET: UNI QNB C

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	1.00	1.18	1.25	1.50	1.57	2.36	2.50	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	25.4	30.0	31.8	38.1	40.0	60.0	63.5	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	● ■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	● ■	● ■	[2]■	[1]■	121.5	4.78	122.2	4.81	70.0 [1]100.0 [2]104.0	2.76 [1]3.94 [2]4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	● ■	● ■	[2]■	[1]■	146.0	5.75	146.3	5.76	70.0 [2]104.0 [1]120.0	2.76 [2]4.09 [1]4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	● ■	■	[1]■	[1]■	154.2	6.07	154.3	6.07	70.0 [1]120.0	2.76 [1]4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



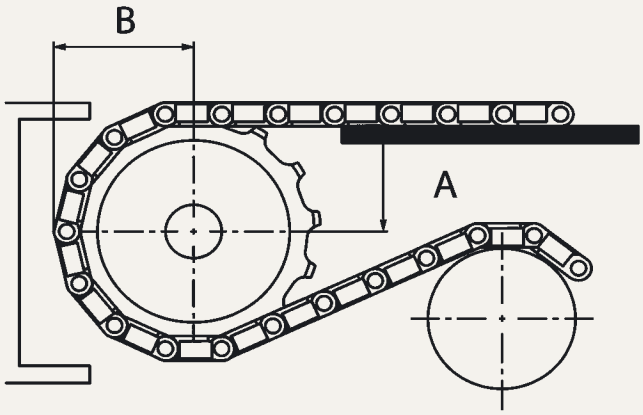
● MOULDED SPROCKET



■ MOULDED SPROCKET



■ MOULDED SPROCKET



SPROCKET DIMENSIONS A AND B

SPROCKET NOTES

Same sprocket type as for the uni QNB serie.

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 10.0 mm (0.39 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni QNB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI QNB ROUGH

UNI QNB ROUGH

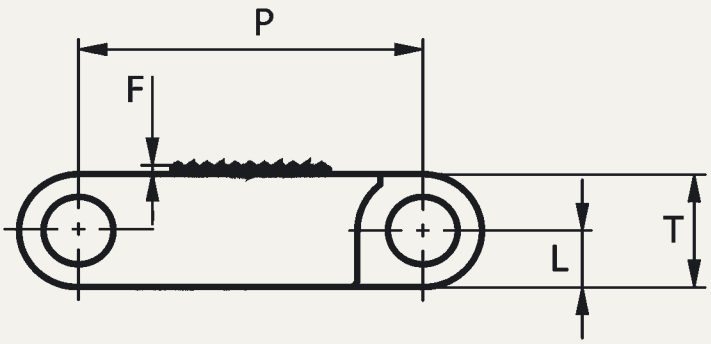
DATASHEET: UNI QNB ROUGH

PLASTIC MODULAR BELT

Series **uni QNB** Type **Rough**



UNI QNB ROUGH BELT (RUNNING DIRECTION)



LINK DIMENSIONS P, F, L, T

BELT DATA

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 40.0 mm (1.57 in)
- Pin diameter: 5.0 mm (0.31 in)

BELT AND PIN MATERIAL

BELT MATERIAL & COLOR	PIN MATERIAL & COLOR
POM-SLF B	PP B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Solid Lockpin: PA6.6 D | Pin: PP W , PA6.6 B , PE W , PBT LG and SS304 | Endlock: PP D
Lockpin: PBT LG , PA6.6 D N , PP B W

LINK DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
F	0.8	0.03
L	4.4	0.17
T	8.8	0.35

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-SLF/PP		BELT WEIGHT (BELT/PIN MATERIAL) POM-SLF/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	2695	606	0.6	0.43	2	2	2
153	6.0	5355	1204	1.3	0.86	2	2	2
229	9.0	8015	1802	1.9	1.29	2	2	2
305	12.0	10675	2400	2.6	1.72	3	3	2
382	15.0	13370	3006	3.2	2.16	3	3	2
458	18.0	16030	3604	3.8	2.59	4	4	2
534	21.0	18690	4202	4.5	3.01	4	4	2
610	24.0	21350	4799	5.1	3.44	5	5	3
687	27.0	24045	5405	5.8	3.88	5	5	3
763	30.0	26705	6003	6.4	4.31	6	6	3
839	33.0	29365	6601	7.0	4.74	6	6	3
915	36.0	32025	7199	7.7	5.17	7	7	4
992	39.1	34720	7805	8.3	5.60	7	7	4

UNI-CHAINS · UNI QNB ROUGH

UNI QNB ROUGH

ACCESSORIES: RUBBER TOP, FLIGHT & UNI AMFLIGHT



CURVED RIB RUBBER TOP BELT



RUBBER TOP SECTION SHOWING A, B AND C

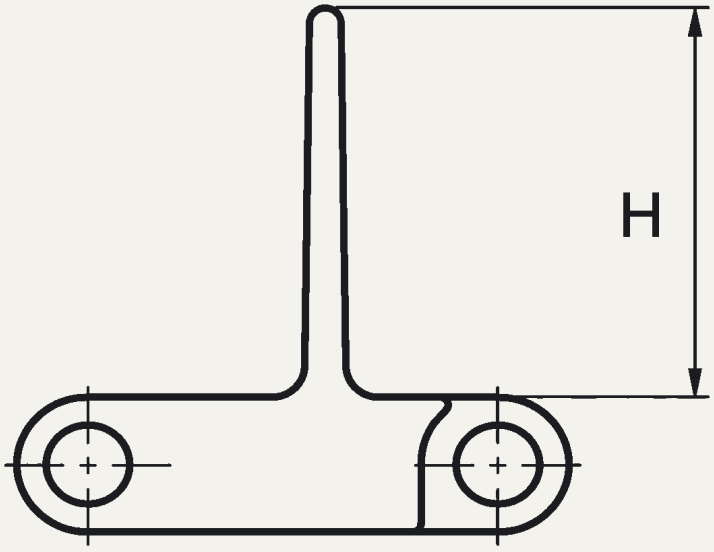
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rib	PP B	03 K	14.9	0.58	7.3	0.28	4.5	0.17	K300	75.8	2.98
									K600	152.0	5.98

Non Standard material and color: See uni Material and Color Overview.



NON STICK FLIGHT



FLIGHT SECTION SHOWING H

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I B W / POM-SLF B	25.4	1.00	K600	152.0	5.98	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI QNB ROUGH

UNI QNB ROUGH

SPROCKET DATA

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM)							OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	MOLDED (PA6 LG)	MACHINED (PA6 N)
		1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x	●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x	●	●	●	■	● ■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x		●	●	● ■	● ■	[2] ■	[1] ■	121.5	4.78	122.2	4.81	70.0 / [1]100.0 / [2]104.0	2.76 / [1]3.94 / [2]4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x		●	●	● ■	● ■	[2] ■	[1] ■	146.0	5.75	146.3	5.76	70.0 / [2]104.0 / [1]120.0	2.76 / [2]4.09 / [1]4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x		●	●	● ■	■	[1] ■	[1] ■	154.2	6.07	154.3	6.07	70.0 / [1]120.0	2.76 / [1]4.72	71.7	2.82	81.6	3.21	x		x	

Bore symbols: ● moulded sprocket with round bore; ■ moulded sprocket with square bore; ■ moulded sprocket with large square bore (see illustrations below).
The superscripts [1] and [2] identify the matching hub diameter for that bore size.
Non standard material and color: See uni Material and Color Overview.



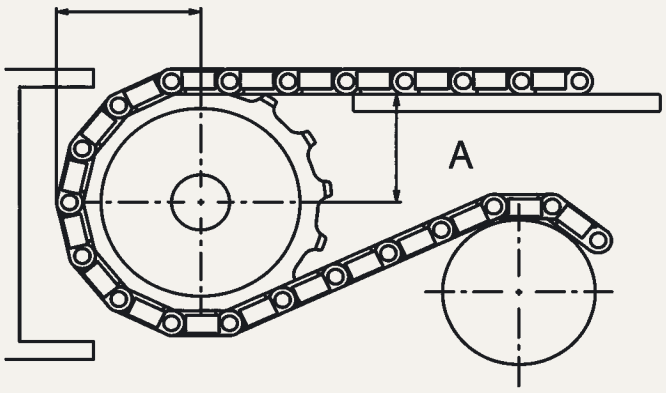
MOULDED SPROCKET ●



MOULDED SPROCKET ■



MOULDED SPROCKET ■



SPROCKET POSITION – DIMENSIONS A AND B

SPROCKET NOTES

Same sprocket type as for the uni QNB serie.

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 10.0 mm (0.39 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni QNB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI OWL 66%

UNI OWL 66%

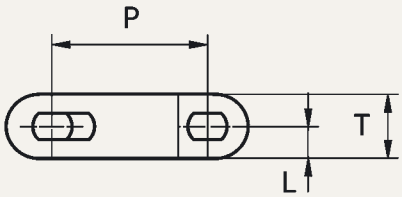
DATASHEET: UNI OWL 66% – PLASTIC MODULAR BELT

PLASTIC MODULAR BELT

Series uni OWL **Type** 66%



UNI OWL 66% BELT, RUNNING DIRECTION



LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 27.9 mm (1.10 in)
- Surface type: Flat
- Surface opening: 66%
- Backflex radius: 40.0 mm (1.57 in)
- Pin diameter: ø4.0 mm (0.16 in)
- Travel in both directions is possible. uni-chains recommends this travel direction.

DIMENSIONS

DIMENSION	MM	IN
P (nominal)	27.9	1.10
T	11.0	0.43
L	5.5	0.22

BELT, PIN AND LOCK MATERIALS

BELT MATERIAL & COLOR	PIN AND LOCK MATERIAL & COLOR
PA6.6 GFH K	Pin: SS304 / Lock: PA6.6 GFH K
PA6.6 GFH B	Pin: SS304 / Lock: PA6.6 GFH B
PP W	Pin: PBT LG / Lock: PP W
PP B	Pin: PBT LG / Lock: PP B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PA6.6 B, PBT LG, SS304

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

*BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				**MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PA6.6 GFH/SS		PP/PA6.6		PA6.6 GFH/SS		PP/PA6.6			***CARRY (PCS)	***RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
303	11.9	3636	817	2424	545	2.3	1.57	1.4	0.94	3	3	2
337	13.3	4040	908	2693	605	2.6	1.74	1.5	1.04	3	3	2
370	14.6	4443	999	2962	666	2.9	1.92	1.7	1.14	3	3	2
404	15.9	4847	1090	3231	726	3.1	2.09	1.9	1.25	3	3	2
438	17.2	5250	1180	3500	787	3.4	2.26	2.0	1.35	3	3	2
471	18.5	5654	1271	3769	847	3.6	2.44	2.2	1.46	4	4	2
505	19.9	6057	1362	4038	908	3.9	2.61	2.3	1.56	4	4	2
538	21.2	6461	1452	4307	968	4.1	2.79	2.5	1.66	4	4	2
572	22.5	6864	1543	4576	1029	4.4	2.96	2.6	1.77	4	4	2
606	23.8	7268	1634	4845	1089	4.7	3.13	2.8	1.87	5	5	3
639	25.2	7672	1725	5114	1150	4.9	3.31	2.9	1.98	5	5	3
673	26.5	8075	1815	5383	1210	5.2	3.48	3.1	2.08	5	5	3
707	27.8	8479	1906	5652	1271	5.4	3.66	3.3	2.18	5	5	3
STANDARD INCREMENTS IN BELT WIDTH : 33.6 MM (1.32 IN.)												
1984	78.1	23808	5352	15872	3568	15.3	10.27	9.1	6.13	14	14	7
STANDARD INCREMENTS IN BELT WIDTH : 33.6 MM (1.32 IN.)												

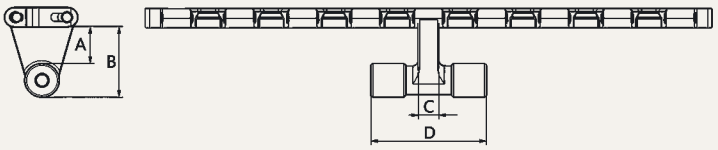
UNI-CHAINS · UNI OWL 66%

UNI OWL 66%

ACCESSORIES AND SPROCKET DATA



BOTTOM HOLD DOWN TAB



BOTTOM HOLD DOWN TAB DIMENSIONS A, B, C AND D

ACCESSORIES - TAB/NON STANDARD

TYPE	BELT MATERIAL & COLOR	A		B		C		D	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	PP W	23.6	0.93	42.6	1.68	11.0	0.43	63.5	2.50

Non Standard material and color: See uni Material and Color Overview.

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	MOLDED (PA6 LG)	MACHINED (PA6 N)
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z9				■	● ■	●	●		● ■				82.7	3.26	80.2	3.16	63.7	2.51	32.8	1.29	46.4	1.83	x			x
Z11					●	●	●	■	● ■				101.0	3.98	97.9	3.85	82.0	3.23	42.0	1.65	55.1	2.17	x			x
Z13					●	●	●	■	● ■				119.2	4.69	115.6	4.55	100.2	3.94	51.1	2.01	63.8	2.51	x			x
Z15						●	●	● ■	● ■	■			137.3	5.41	133.4	5.25	118.3	4.66	60.1	2.37	72.6	2.86	x			x

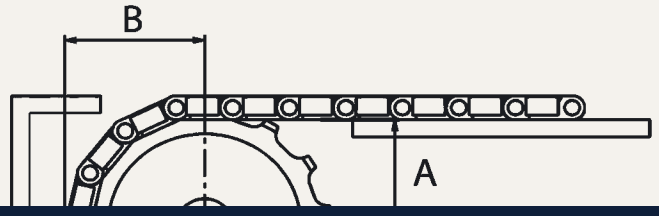
Bore symbols: ● machined sprocket with round bore; ■ machined sprocket with square bore (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



MACHINED SPROCKET ■



MACHINED SPROCKET ●



SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

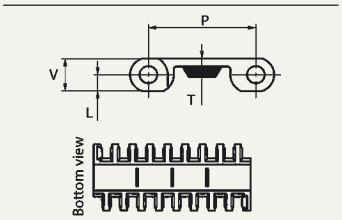
UNI-CHAINS · UNI OPB 4 C

UNI OPB 4 C

PLASTIC MODULAR BELT – SERIES UNI OPB 4, TYPE C



UNI OPB 4 C BELT SURFACE (RUNNING DIRECTION)



LINK DIMENSIONS P, V, L, T AND BOTTOM VIEW

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

RECOMMENDED MATERIALS

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.
Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H | Lockpin: PE W, PA6.6 N, PP W | Rodlock: PP W | Endlock: PP W, G, B and PE W, B | Pin: PP W, PE W, SS304 and SS316

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	T	4.0	0.16

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	1672	376	836	188	502	113	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	3333	749	1667	375	1000	225	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	5005	1125	2503	563	1502	338	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	6666	1499	3333	749	2000	450	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	8338	1874	4169	937	2501	562	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	9999	2248	5000	1124	3000	674	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	11671	2624	5836	1312	3501	787	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	13332	2997	6666	1499	4000	899	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	15004	3373	7502	1686	4501	1012	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	16665	3746	8333	1873	5000	1124	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	18337	4122	9169	2061	5501	1237	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	19998	4496	9999	2248	5999	1349	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	21670	4871	10835	2436	6501	1461	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2576	101.4	28336	6370	14168	3185	8501	1911	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2879	113.3	31669	7119	15835	3560	9501	2136	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

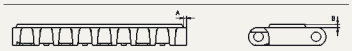
UNI-CHAINS · UNI OPB 4 C

UNI OPB 4 C

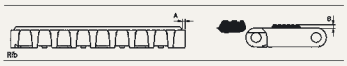
DATASHEET: UNI OPB 4 C



RUBBER TOP BELT



FLAT



RIB



CURVED RIB

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W																
Curved Rib	POM-D W	03 K															

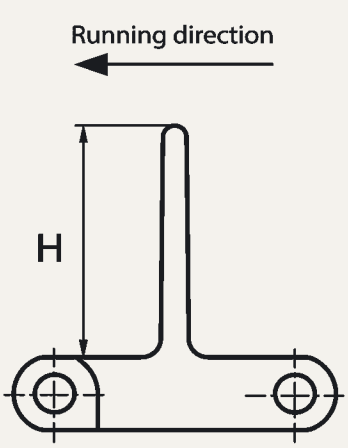
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



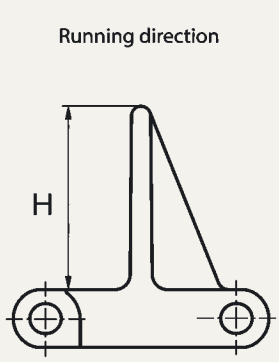
NON STICK



NON STICK/SUPPORT RIBS



NON STICK



NON STICK/SUPPORT RIBS

ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.

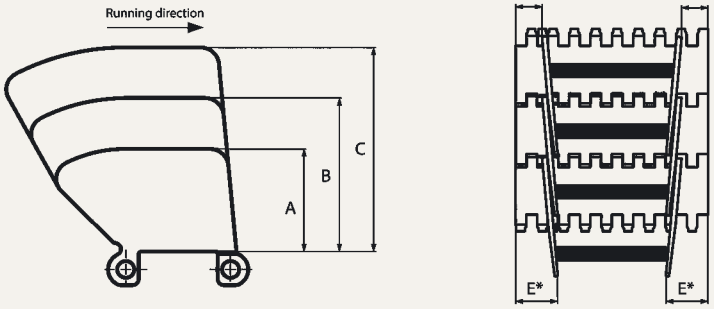
UNI-CHAINS · UNI OPB 4 C

UNI OPB 4 C

DATASHEET: UNI OPB 4 C



CLOSED SIDE GUARD



SIDE GUARD DIMENSIONS A, B, C, D*, E* AND RUNNING DIRECTION

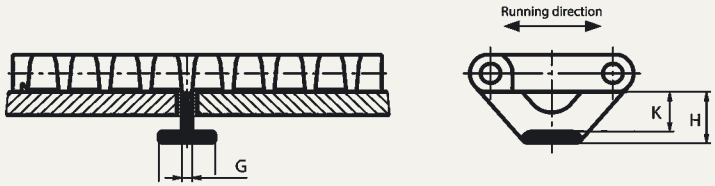
ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J, K AND RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
	POM-LF B								
	PP W								

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI OPB 4 C

UNI OPB 4 C

DATASHEET: UNI OPB 4 C – SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size markers: ■ / ● = Molded sprocket; □ / ○ = Machined sprocket (see illustrations below).



MOLDED SPROCKET



MOLDED SPROCKET

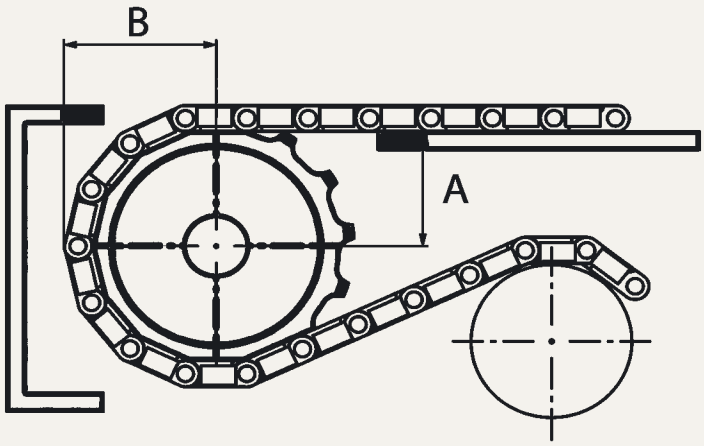


MACHINED SPROCKET



MACHINED SPROCKET

Non standard material and color: See uni Material and Color Overview.



A- AND B-DIMENSIONS OF THE SPROCKET IN THE CONVEYOR

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

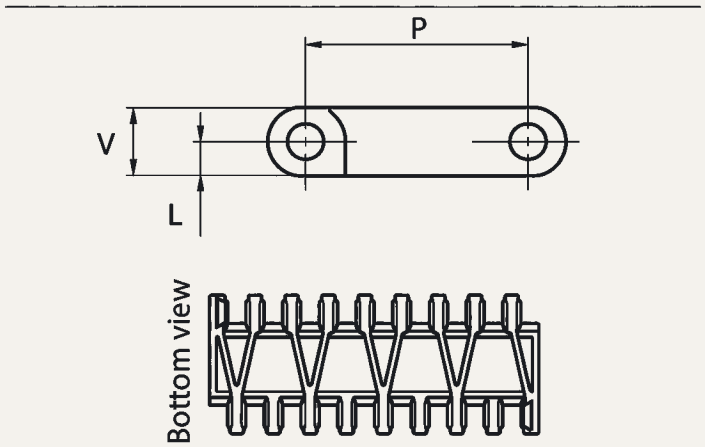
DATASHEET: UNI OPB 4V VACUUM

PLASTIC MODULAR BELT

Series: **uni OPB 4V** — Type: **Vacuum**



UNI OPB 4V VACUUM BELT – RUNNING DIRECTION*



PITCH P, V AND L DIMENSIONS; BOTTOM VIEW

Straight running belt

Nominal pitch: 50.0 mm (1.97 in)

Surface type: Flat

Surface opening: ø5.5 mm (0.22 in)

Backflex radius: 75.0 mm (3.00 in)

Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended belt material & color	POM-D (W)
Recommended pin and lock material & color	PP (W)

BELT DIMENSIONS

DIM.	MM	IN	DIM.	MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative materials — Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H. Lockpin: PE (W), PA6.6 (N), PP (W). Rodlock: PP (W). Endlock: PP (W, G, B) and PE (W, B). Pin: PP (W), PE (W), SS304 and SS316.

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7

UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

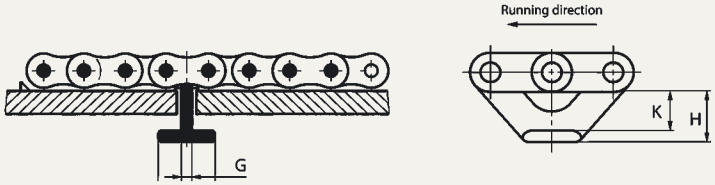
DATASHEET: UNI OPB 4V VACUUM – ACCESSORIES

ACCESSORIES

Tab



TAB – BOTTOM HOLD DOWN



G, H, J AND K DIMENSIONS; RUNNING DIRECTION

TAB - BOTTOM HOLD DOWN

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D (W) POM-LF (B) PP (W)	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

DATASHEET: UNI OPB 4V VACUUM – SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size markers: ■ / ● = Molded sprocket; □ / ○ = Machined sprocket (see illustrations below).



MOLDED SPROCKET



MOLDED SPROCKET

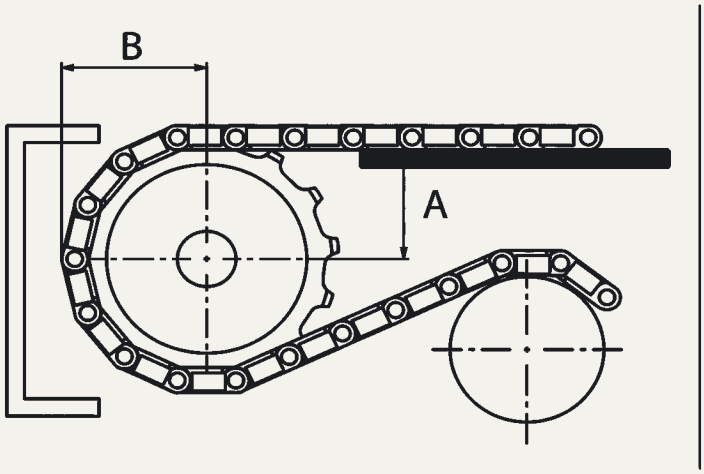


MACHINED SPROCKET



MACHINED SPROCKET

Non standard material and color: See uni Material and Color Overview.



A- AND B-DIMENSIONS OF THE SPROCKET IN THE CONVEYOR

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

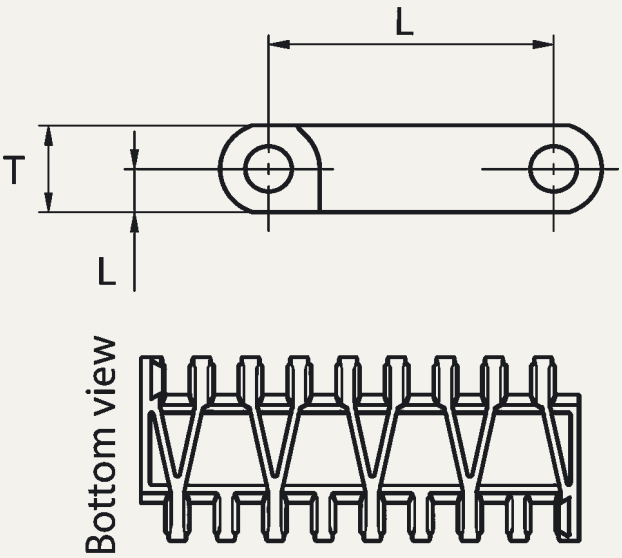
UNI-CHAINS · UNI OPB 4V 23% FINE MESHED

UNI OPB 4V 23% FINE MESHED

DATASHEET: UNI OPB 4V 23% FINE MESHED



UNI OPB 4V 23% FINE-MESHED BELT (RUNNING DIRECTION SHOWN)



PITCH P, THICKNESS T AND LINK HEIGHT L; BOTTOM VIEW

PLASTIC MODULAR BELT - SERIE UNI OPB 4V, TYPE 23% FINE-MESHED

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 23%
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

MATERIALS

	MATERIAL & COLOR
Belt material & color	PP-HW B / PP W
Pin and lock material & color	PP-HW LB

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

	MM	IN
P (Nominal)	50.0	1.97
T	16.0	0.63
L	8.0	0.31

ALTERNATIVE PIN AND LOCK MATERIALS

Trilock: PP-HW LB

Endlock: PP W G B and PE W B

Lockpin: PE W, PA6.6 N B and PBT LG

Pin: PP W, PE W, PBT LG, SS304 and SS316

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP-HW/PP-HW		PP/PP-HW		PP-HW/PP-HW		PP/PP-HW			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	1672	376	1672	376	1.0	0.69	1.0	0.69	2	2	2
303	11.9	3333	749	3333	749	2.1	1.38	2.1	1.38	3	3	2
455	17.9	5005	1125	5005	1125	3.1	2.08	3.1	2.08	4	4	2
606	23.9	6666	1499	6666	1499	4.1	2.77	4.1	2.77	5	5	3
758	29.8	8338	1874	8338	1874	5.2	3.46	5.2	3.46	6	6	3
909	35.8	9999	2248	9999	2248	6.2	4.15	6.2	4.15	7	7	4
1061	41.8	11671	2624	11671	2624	7.2	4.85	7.2	4.85	8	8	4
1212	47.7	13332	2997	13332	2997	8.2	5.54	8.2	5.54	9	9	5

UNI-CHAINS · UNI OPB 4V 23% FINE MESHED

UNI OPB 4V 23% FINE MESHED

DATASHEET: UNI OPB 4V 23% FINE MESHED

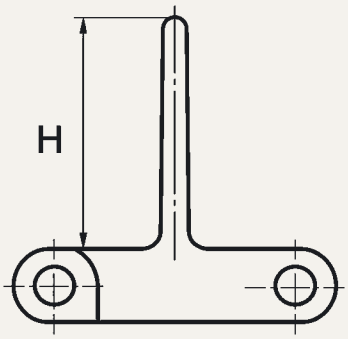
ACCESSORIES - FLIGHT



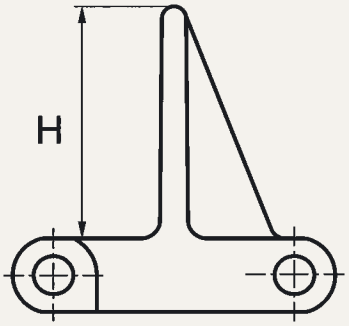
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – FLIGHT HEIGHT H, RUNNING DIRECTION



NON STICK/SUPPORT RIBS – FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHT

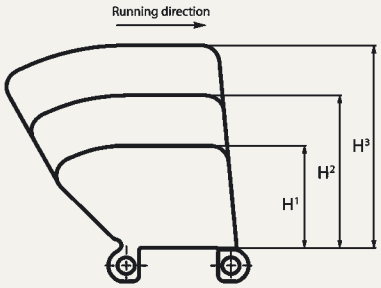
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

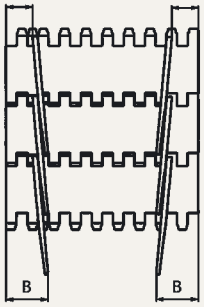
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - SIDE GUARD



CLOSED SIDE GUARD





SIDE GUARD HEIGHTS H1, H2, H3 AND TOP VIEW DIMENSIONS A, B

SIDE GUARD

TYPE	MATERIAL & COLOR	H1		H2		H3		A*		B*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V 23% FINE MESHED

UNI OPB 4V 23% FINE MESHED

DATASHEET: UNI OPB 4V 23% FINE MESHED

ACCESSORIES - TAB/NON STANDARD



BOTTOM HOLD DOWN TAB



BOTTOM HOLD DOWN DIMENSIONS G, H, J, K; RUNNING DIRECTION

TAB/NON STANDARD

TYPE	BELT MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - REINFORCEMENT LINK



REINFORCEMENT LINK

The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers. cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V 23% FINE MESHED

UNI OPB 4V 23% FINE MESHED

DATASHEET: UNI OPB 4V 23% FINE MESHED

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size symbols (see legend under the table): ● = molded sprocket, round bore; ■ = molded sprocket, square bore; ○ = machined sprocket, round bore; □ = machined sprocket, square bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



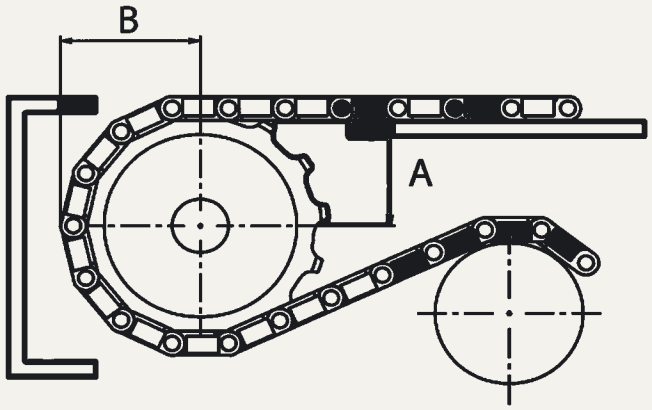
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET / BELT LAYOUT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information. contact Customer Service.

UNI-CHAINS · UNI OPB 4V 23% RIB

UNI OPB 4V 23% RIB

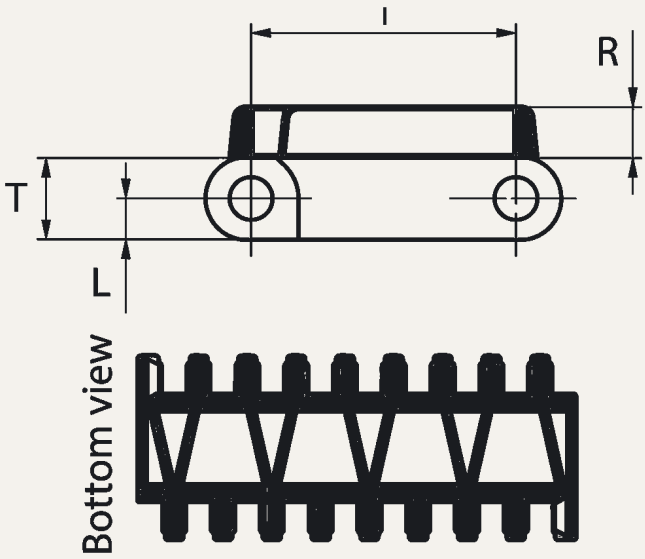
DATASHEET: UNI OPB 4V 23% RIB

PLASTIC MODULAR BELT

Serie **uni OPB 4V** — Type **23% Rib**



UNI OPB 4V 23% RIB BELT (RUNNING DIRECTION*)



BELT CROSS-SECTION WITH P, R, T AND L DIMENSIONS; BOTTOM VIEW

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Rib Top
- Surface opening: 23%
- Backflex radius: 300.0 mm (11.80 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA “Accepted Meat and Poultry Equipment” publication as accepted food contact.

MATERIAL & COLOR

	STANDARD	ALTERNATIVE
Belt material & color	PP-HW LB	PP G
Pin and lock material & color	PP-HW LB	PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
T	16.0	0.63	P (Nominal)	50.0	1.97
L	8.0	0.31	R	10.0	0.39

ALTERNATIVE PIN AND LOCK MATERIALS

Trilock: PP-HW LB

Endlock: PP W G B — PE W B

Lockpin: PP W — PE W — PA6.6 N B — PBT LG

Pin: PP W — PE W — PBT LG — SS304 and SS316

UNI-CHAINS · UNI OPB 4V 23% RIB

UNI OPB 4V 23% RIB (CONT.)

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP-HW/PP-HW		BELT WEIGHT (BELT/PIN MATERIAL) PP-HW/PP-HW		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
152	6.0	1672	376	1.5	0.99	2	2	2
303	11.9	3333	749	2.9	1.98	3	3	2
455	17.9	5005	1125	4.4	2.97	4	4	2
606	23.9	6666	1499	5.9	3.95	5	5	3
758	29.8	8338	1874	7.4	4.94	6	6	3
909	35.8	9999	2248	8.8	5.93	7	7	4
1061	41.8	11671	2624	10.3	6.92	8	8	4
1212	47.7	13332	2997	11.8	7.90	9	9	5
1364	53.7	15004	3373	13.2	8.89	10	10	5
1515	59.6	16665	3746	14.7	9.88	11	11	6
1667	65.6	18337	4122	16.2	10.87	12	12	6
1818	71.6	19998	4496	17.6	11.85	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2576	101.4	28336	6370	25.0	16.79	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2879	113.3	31669	7119	27.9	18.77	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI OPB 4V 23% RIB

UNI OPB 4V 23% RIB

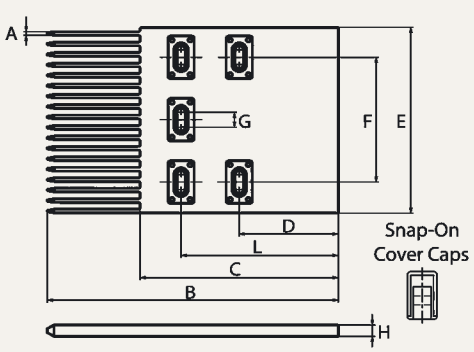
DATASHEET: UNI OPB 4V 23% RIB

ACCESSORIES

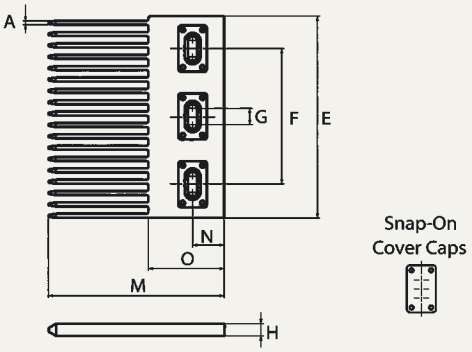
Finger Plates



SINGLE SIDED FINGER PLATE WITH SNAP-ON COVER CAPS



TYPE 1A – DIMENSIONS A, B, C, D, E, F, G, H AND SNAP-ON COVER CAPS



TYPE B – DIMENSIONS A, E, F, G, H, M, N, O AND SNAP-ON COVER CAPS

FINGER PLATES - DIMENSIONS A-E

TYPE	MATERIAL & COLOR	A		B		C		D		E	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Single Sided	POM-DI G	2.8	0.11	220.0	8.66	150.0	5.91	75.0	2.95	149.0	5.87

The legacy table lists two "Single Sided" type rows (Type 1A and Type B) sharing the same material and dimension values.

FINGER PLATES - DIMENSIONS F-O

F		G		H		L		M		N		O	
MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
100.0	3.94	12.0	0.47	9.0	0.35	119.0	4.69	123.0	4.84	22.0	0.87	53.0	2.09

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates. also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations. a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V 23% RIB

UNI OPB 4V 23% RIB

DATASHEET: UNI OPB 4V 23% RIB

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size symbols (see legend under the table): ● = molded sprocket, round bore; ■ = molded sprocket, square bore; ○ = machined sprocket, round bore; □ = machined sprocket, square bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



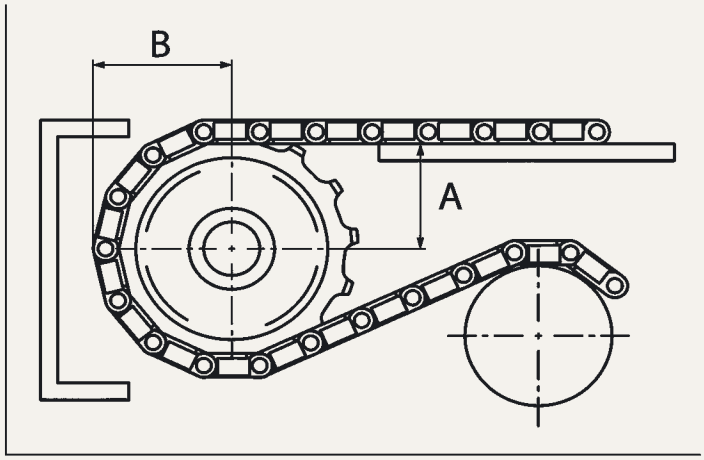
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET / BELT LAYOUT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information. contact Customer Service.

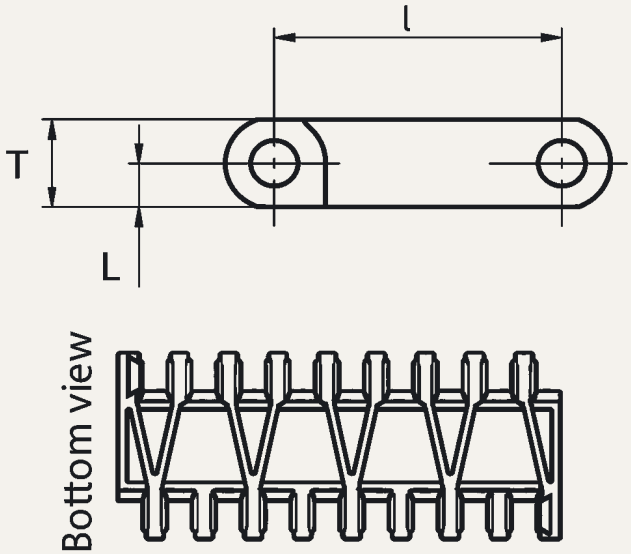
UNI-CHAINS · UNI OPB 4V 23%

UNI OPB 4V 23%

PLASTIC MODULAR BELT – SERIE UNI OPB 4V, TYPE 23%



UNI OPB 4V 23% BELT (RUNNING DIRECTION)



PITCH P, THICKNESS T, PIN L – BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 23%
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA “Accepted Meat and Poultry Equipment” publication as accepted food contact.

MATERIALS

	MATERIAL & COLOR
Belt material & color	PP-HW B
Pin and lock material & color	PP-HW LB

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

DIM.	MM	IN
P (Nominal)	50.0	1.97
T	16.0	0.63
L	8.0	0.31

ALTERNATIVE PIN AND LOCK MATERIALS

Trilock: PP-HW LB

Endlock: PP W G B and PE W B

Lockpin: PE W, PA6.6 N B and PBT LG

Pin: PP W, PE W, PBT LG, SS304 and SS316

UNI-CHAINS · UNI OPB 4V 23%

UNI OPB 4V 23% (CONT.)

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP-HW/PP-HW		BELT WEIGHT (BELT/PIN MATERIAL) PP-HW/PP-HW		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
152	6.0	1672	376	1.0	0.69	2	2	2
303	11.9	3333	749	2.1	1.38	3	3	2
455	17.9	5005	1125	3.1	2.08	4	4	2
606	23.9	6666	1499	4.1	2.77	5	5	3
758	29.8	8338	1874	5.2	3.46	6	6	3
909	35.8	9999	2248	6.2	4.15	7	7	4
1061	41.8	11671	2624	7.2	4.85	8	8	4
1212	47.7	13332	2997	8.2	5.54	9	9	5
1364	53.7	15004	3373	9.3	6.23	10	10	5
1515	59.6	16665	3746	10.3	6.92	11	11	6
1667	65.6	18337	4122	11.3	7.62	12	12	6
1818	71.6	19998	4496	12.4	8.31	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2576	101.4	28336	6370	17.5	11.77	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2879	113.3	31669	7119	19.6	13.16	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI OPB 4V 23%

UNI OPB 4V 23%

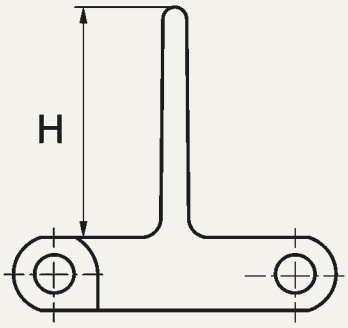
DATASHEET: UNI OPB 4V 23%



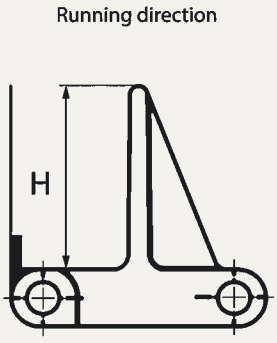
NON STICK



NON STICK/SUPPORT RIBS



NON STICK



NON STICK/SUPPORT RIBS

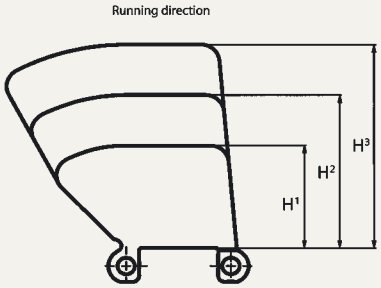
ACCESSORIES - FLIGHT

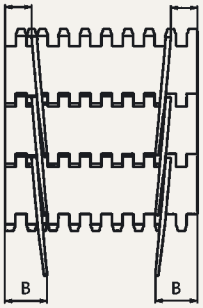
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD





SIDE GUARD HEIGHTS H1, H2, H3 WITH A AND B – RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	H1		H2		H3		A*		B*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

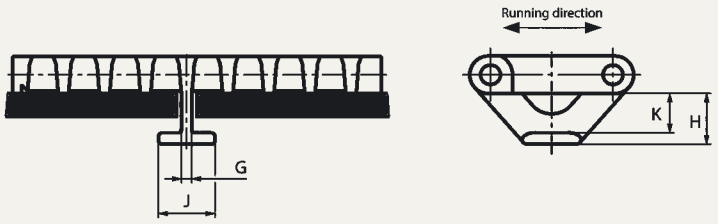
UNI-CHAINS · UNI OPB 4V 23%

UNI OPB 4V 23%

ACCESSORIES: TAB (NON STANDARD) & REINFORCEMENT LINK



TAB / NON STANDARD



TAB DIMENSIONS G, H, J AND K – SECTION THROUGH BELT AND END VIEW (RUNNING DIRECTION)

ACCESSORIES - TAB / NON STANDARD

TYPE	BELT MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN		
Bottom Hold Down	POM-D W POM-LF B POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.



REINFORCEMENT LINK

REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	2500	562

Note: Reinforcement links require the use of SS pins.
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - REINFORCEMENT LINK

The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers. cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

UNI-CHAINS · UNI OPB 4V 23%

UNI OPB 4V 23%

SPROCKET DIMENSIONS AND BORE SIZES

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 19.1	0.78 20.0	0.98 25.0	1.00 25.4	1.18 30.0	1.25 31.8	1.50 38.1	1.57 40.0	2.36 60.0	2.50 63.5	3.54 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore symbols: ■ = Molded sprocket, square bore; ● = Molded sprocket, round bore; □ = Machined sprocket, square bore; O = Machined sprocket, round bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



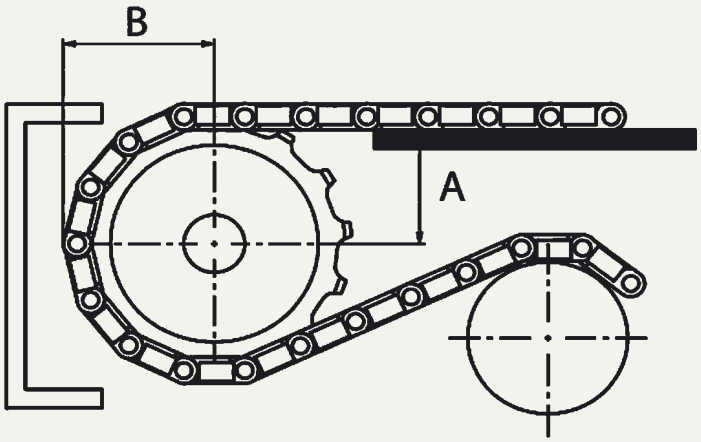
MOLDED SPROCKET – ROUND BORE



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



A- AND B-DIMENSION ON THE SPROCKET / BELT PATH

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information. contact Customer Service.

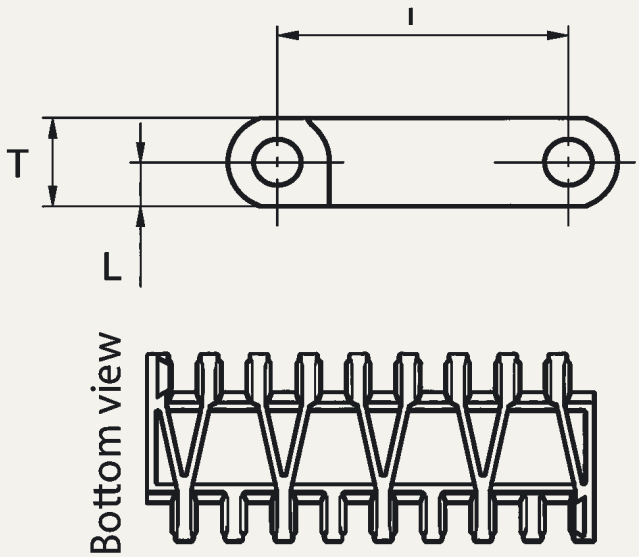
UNI-CHAINS · UNI OPB 4V 36%

UNI OPB 4V 36%

PLASTIC MODULAR BELT – STRAIGHT RUNNING, PITCH 50.0 MM / 1.97 IN



UNI OPB 4V 36% BELT (RUNNING DIRECTION)



LINK DIMENSIONS P, T, L AND BOTTOM VIEW

SERIE UNI OPB 4V - TYPE 36%

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 36%
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

Note: uni OPB 36% 4V are listed in the USDA “Accepted Meat and Poultry Equipment” publication as accepted food contact.

MATERIAL & COLOR

BELT MATERIAL & COLOR	PIN AND LOCK MATERIAL & COLOR
PP W	PP W

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
L	8.0	0.31
T	16.0	0.63

ALTERNATIVE PIN AND LOCK MATERIALS

Trilock: PP-HW LB

Endlock: PP W G B and PE W B

Lockpin: PE W , PA6.6 N B and PBT LG

Pin: PP W , PE W , PBT LG , SS304 and SS316

UNI-CHAINS · UNI OPB 4V 36%

UNI OPB 4V 36% (CONT.)

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP/PP		BELT WEIGHT (BELT/PIN MATERIAL) PP/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
152	6.0	1672	376	1.0	0.65	2	2	2
303	11.9	3333	749	1.9	1.30	3	3	2
455	17.9	5005	1125	2.9	1.96	4	4	2
606	23.9	6666	1499	3.9	2.61	5	5	3
758	29.8	8338	1874	4.9	3.26	6	6	3
909	35.8	9999	2248	5.8	3.91	7	7	4
1061	41.8	11671	2624	6.8	4.56	8	8	4
1212	47.7	13332	2997	7.8	5.21	9	9	5
1364	53.7	15004	3373	8.7	5.87	10	10	5
1515	59.6	16665	3746	9.7	6.52	11	11	6
1667	65.6	18337	4122	10.7	7.17	12	12	6
1818	71.6	19998	4496	11.6	7.82	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2576	101.4	28336	6370	16.5	11.08	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)								
2879	113.3	31669	7119	18.4	12.38	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI OPB 4V 36%

UNI OPB 4V 36%

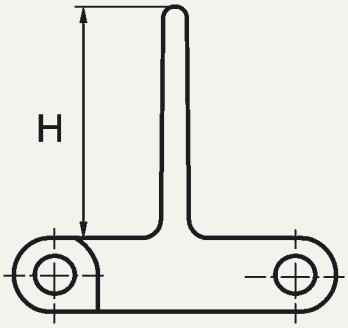
ACCESSORIES: FLIGHTS & SIDE GUARDS



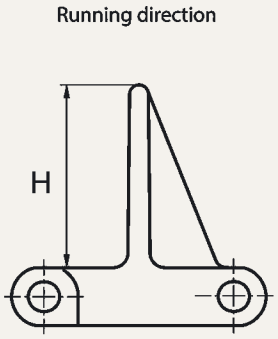
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – FLIGHT HEIGHT H (RUNNING DIRECTION)



NON STICK/SUPPORT RIBS – FLIGHT HEIGHT H (RUNNING DIRECTION)

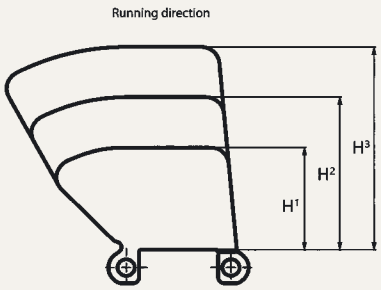
ACCESSORIES - FLIGHT

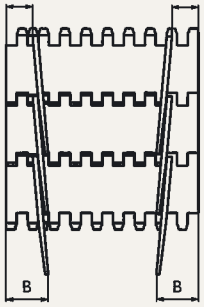
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick **Non Stick/Support Ribs**	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
		76.2	3.00					
		101.6	4.00					

Non Standard material and color: See uni Material and Color Overview.



SIDE GUARD – CLOSED





SIDE GUARD HEIGHTS H1, H2, H3 AND A / B DIMENSIONS (RUNNING DIRECTION)

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	H1		H2		H3		A*		B*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V 36%

UNI OPB 4V 36%

DATASHEET: UNI OPB 4V 36%



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J, K – RUNNING DIRECTION

ACCESSORIES - TAB / NON STANDARD

TYPE	BELT MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W / POM-LF B / POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V 36%

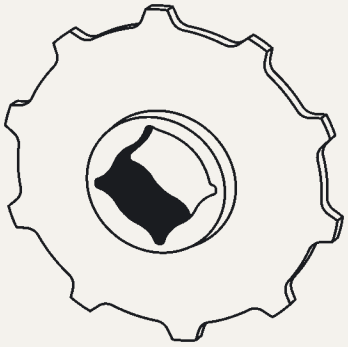
UNI OPB 4V 36%

DATASHEET: UNI OPB 4V 36%

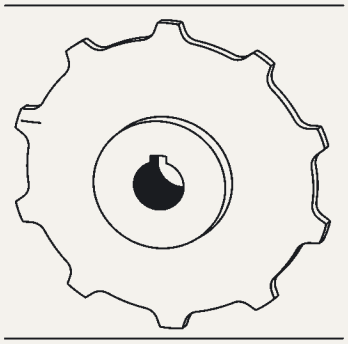
SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (MM / IN)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	MOLDED PA6 LG	MACHINED PA6 N
		19.1 / 0.75	20.0 / 0.78	25.0 / 0.98	25.4 / 1.00	30.0 / 1.18	31.8 / 1.25	38.1 / 1.50	40.0 / 1.57	60.0 / 2.36	63.5 / 2.50	90.0 / 3.54	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

● / ■ = Molded sprocket; ○ / □ = Machined sprocket (see sprocket illustrations below).
Non standard material and color: See uni Material and Color Overview.



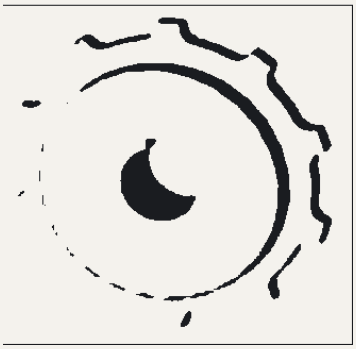
MOLDED SPROCKET



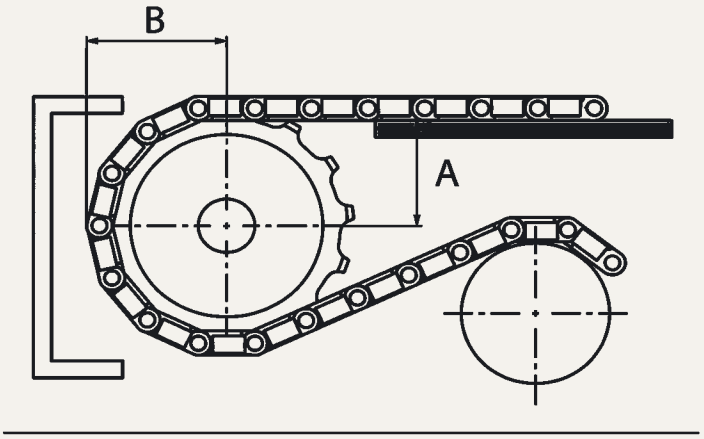
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET / BELT LAYOUT

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.0 mm (0.43 in)
- Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI OPB 4V C

UNI OPB 4V C

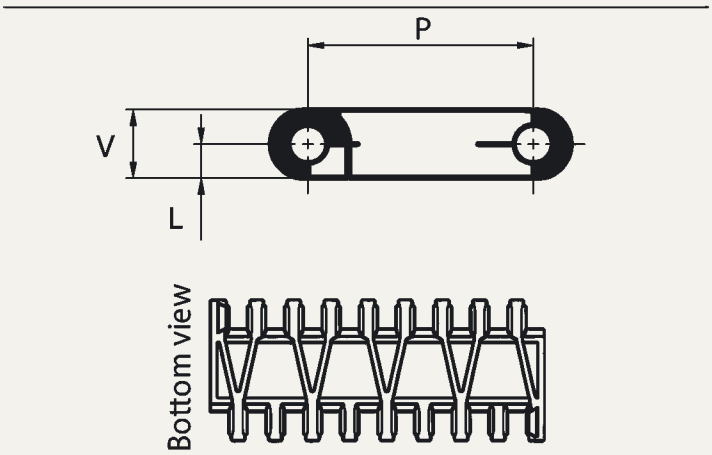
DATASHEET: UNI OPB 4V C

PLASTIC MODULAR BELT

Series **uni OPB 4V** — Type **C**



UNI OPB 4V C BELT – RUNNING DIRECTION



PITCH P, V AND L DIMENSIONS; BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

DIM.	MM	IN	DIM.	MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	-	-	-

ALTERNATIVE MATERIALS

Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE W, PA6.6 N, PP W

Rodlock: PP W

Endlock: PP W G B and PE W B

Pin: PP W, PE W, SS304 and SS316

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4

UNI-CHAINS · UNI OPB 4V C

UNI OPB 4V C

DATASHEET: UNI OPB 4V C



RUBBER TOP BELT



FLAT – DIMENSIONS A, B



RIB – DIMENSIONS A, B, D



CURVED RIB – DIMENSIONS C, E, F

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93

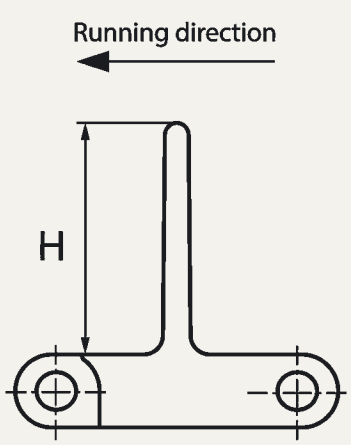
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



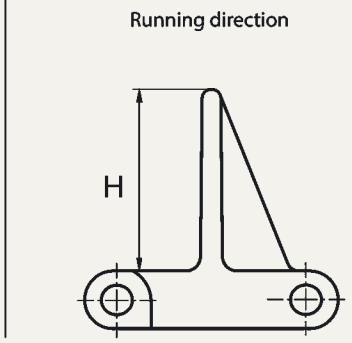
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – HEIGHT H, RUNNING DIRECTION



NON STICK/SUPPORT RIBS – HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs	PP-HW B	76.2	3.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs	PP-HW B	101.6	4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V C

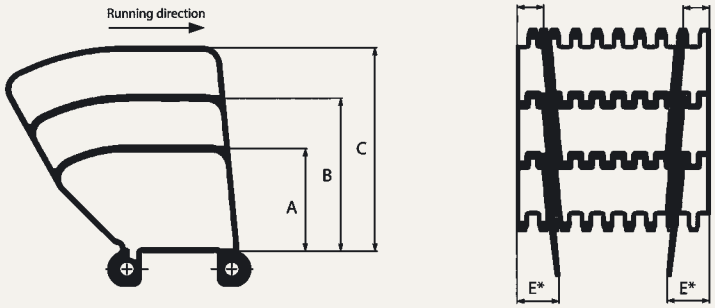
UNI OPB 4V C

ACCESSORIES: SIDE GUARD, TAB AND NON STANDARD UNI AMFLIGHT

ACCESSORIES - SIDE GUARD



SIDE GUARD



SIDE GUARD DIMENSIONS A, B, C, D* AND E* (RUNNING DIRECTION)

SIDE GUARD

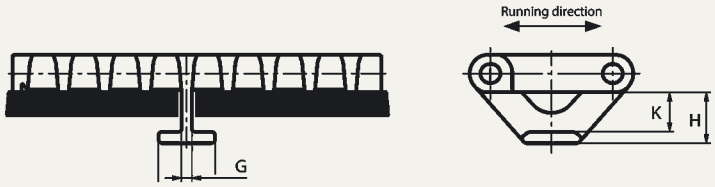
TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J AND K (RUNNING DIRECTION)

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - NON STANDARD UNI AMFLIGHT



Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI OPB 4V C

UNI OPB 4V C

SPROCKET DATA

SPROCKET

NO OF TEETH	BORE SIZE (MM / IN)												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 / 0.75	20.0 / 0.78	25.0 / 0.98	25.4 / 1.00	30.0 / 1.18	31.8 / 1.25	38.1 / 1.50	40.0 / 1.57	60.0 / 2.36	63.5 / 2.50	90.0 / 3.54	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	● ■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	● ■	● ■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	● ■	● ■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	● ■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											■		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					●		■	● ■		■		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore size markers: ● = round bore, ■ = square bore. Dark markers indicate a molded sprocket, light markers a machined sprocket (see the Molded / Machined columns).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



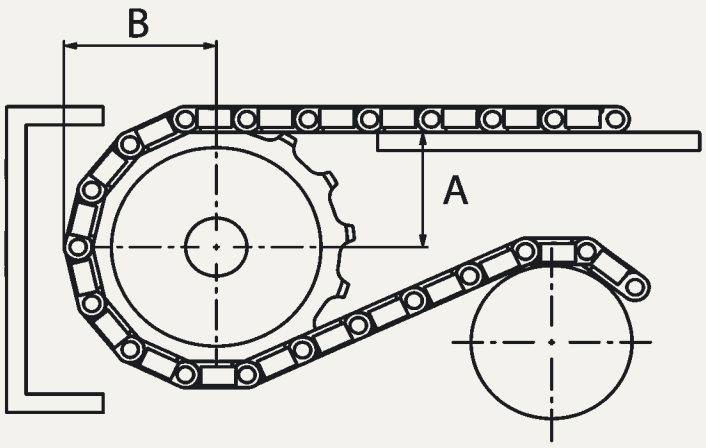
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON THE DRIVE SHAFT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

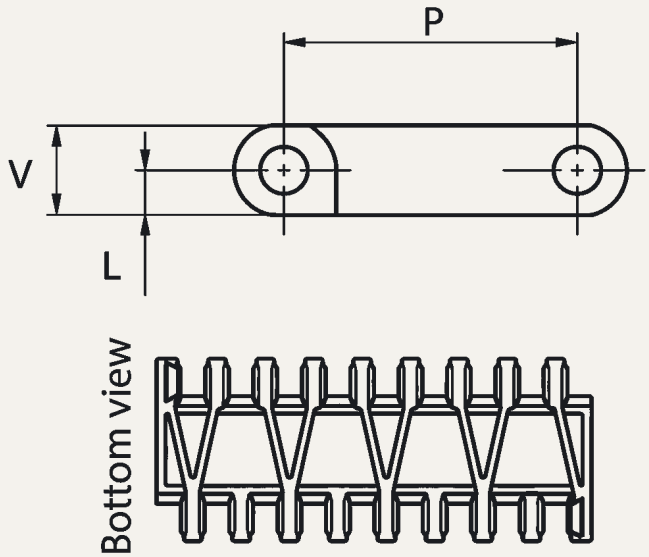
UNI-CHAINS · UNI OPB 4V ROUGH

UNI OPB 4V ROUGH

PLASTIC MODULAR BELT – SERIES UNI OPB 4V, TYPE ROUGH



UNI OPB 4V ROUGH BELT (RUNNING DIRECTION*)



PITCH P, V AND L DIMENSIONS; BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

ITEM	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
V	16.0	0.63
L	8.0	0.31

ALTERNATIVE MATERIALS

Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE W, PA6.6 N, PP W

Rodlock: PP W

Pin: PP W, PE W, SS304 and SS316

Endlock: PP W G B and PE W B

BELT WIDTH, TENSILE FORCE, WEIGHT AND SPROCKET / WEAR STRIP REQUIREMENT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4

UNI-CHAINS · UNI OPB 4V ROUGH

UNI OPB 4V ROUGH

ACCESSORIES: TAB

ACCESSORIES - TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J AND K (RUNNING DIRECTION)

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V ROUGH

UNI OPB 4V ROUGH

DATASHEET: UNI OPB 4V ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore size symbols: ■ and ● = Molded sprocket; □ and ○ = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



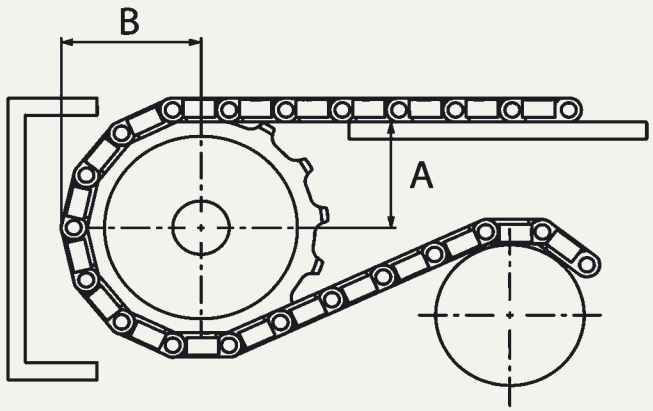
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE CONVEYOR

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

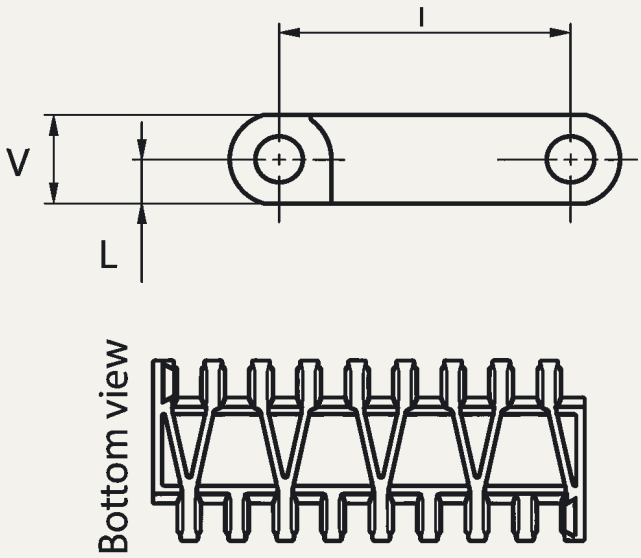
UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

DATASHEET: UNI OPB 4V VACUUM



UNI OPB 4V VACUUM BELT – RUNNING DIRECTION



MODULE DIMENSIONS P, V, L AND BOTTOM VIEW

STRAIGHT RUNNING BELT

Nominal pitch: 50.0 mm (1.97 in)

Surface type: Flat

Surface opening: ø5.5 mm (0.22 in)

Backflex radius: 75.0 mm (3.00 in)

Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

RECOMMENDED MATERIALS

	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	-	-	-

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE W, PA6.6 N, PP W

Rodlock: PP W

Pin: PP W, PE W, SS304 and SS316

Endlock: PP W G B and PE W B

UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM (CONT.)

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	3322	747	1661	373	997	224	1.8	1.19	1.1	0.76	1.2	0.82	2	2	2
302	11.9	6644	1494	3322	747	1993	448	3.5	2.37	2.3	1.52	2.4	1.64	3	3	2
453	17.8	9966	2240	4983	1120	2990	672	5.3	3.56	3.4	2.28	3.7	2.47	4	4	2
604	23.8	13288	2987	6644	1494	3986	896	7.1	4.75	4.5	3.04	4.9	3.29	5	5	3
755	29.7	16610	3734	8305	1867	4983	1120	8.8	5.94	5.7	3.81	6.1	4.11	6	6	3
906	35.7	19932	4481	9966	2240	5980	1344	10.6	7.12	6.8	4.57	7.3	4.93	7	7	4
1057	41.6	23254	5227	11627	2614	6976	1568	12.4	8.31	7.9	5.33	8.6	5.75	8	8	4
1208	47.6	26576	5974	13288	2987	7973	1792	14.1	9.50	9.1	6.09	9.8	6.58	9	9	5
1359	53.5	29898	6721	14949	3361	8969	2016	15.9	10.69	10.2	6.85	11.0	7.40	10	10	5
1510	59.4	33220	7468	16610	3734	9966	2240	17.7	11.87	11.3	7.61	12.2	8.22	11	11	6
1661	65.4	36542	8215	18271	4107	10963	2464	19.4	13.06	12.5	8.37	13.5	9.04	12	12	6
1812	71.3	39864	8961	19932	4481	11959	2688	21.2	14.25	13.6	9.13	14.7	9.86	13	13	7
1963	77.3	43186	9708	21593	4854	12956	2912	23.0	15.44	14.7	9.89	15.9	10.69	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.0 MM (5.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.6 MM (1.32 IN.)																
2567	101.1	56474	12695	28237	6348	16942	3809	30.0	20.18	19.3	12.94	20.8	13.97	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.0 MM (5.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.6 MM (1.32 IN.)																
2869	113.0	63118	14189	31559	7094	18935	4257	33.6	22.56	21.5	14.46	23.2	15.62	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request

**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*

***Max. Spacing between wear strips, Carry: 152 mm (6 in) ; Return: 304 mm (12 in)*

☐ = Single Link

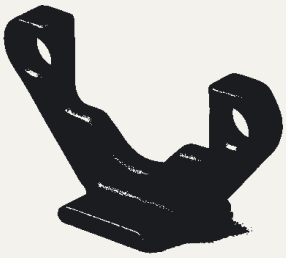
UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

DATASHEET: UNI OPB 4V VACUUM

ACCESSORIES

Tab



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J AND K; RUNNING DIRECTION

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 4V VACUUM

UNI OPB 4V VACUUM

DATASHEET: UNI OPB 4V VACUUM

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore size symbols: ■ and ● = Molded sprocket; □ and ○ = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



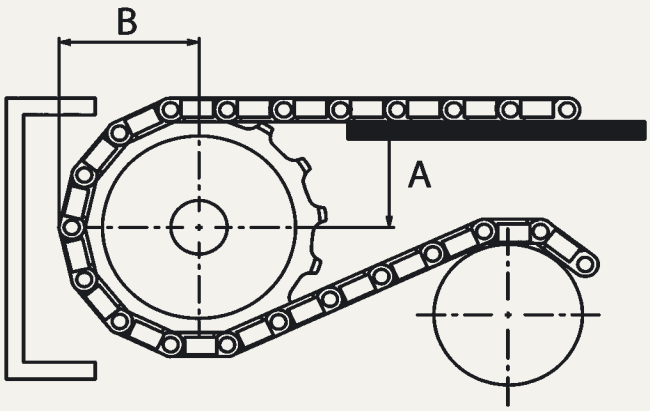
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE CONVEYOR

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

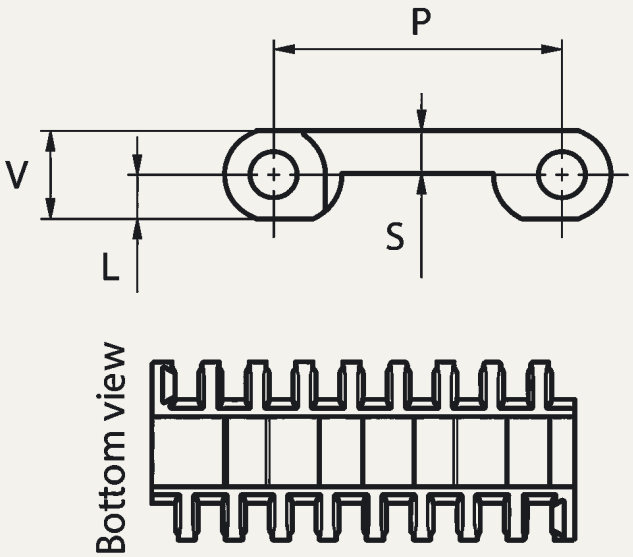
UNI-CHAINS · UNI OPB 8 20%

UNI OPB 8 20%

DATASHEET: UNI OPB 8 20%



UNI OPB 8 20% PLASTIC MODULAR BELT



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 20%
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
L	8.0	0.31
V	16.0	0.63
S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials — Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H; Lockpin: PE W, PA6.6 N, PP W; Rodlock: PP W; Endlock: PP W, G, B and PE W, B; Pin: PP W, PE W, SS304 and SS316

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT, SPROCKETS & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.5	1.03	1.0	0.70	1.1	0.75	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.1	2.06	2.1	1.41	2.2	1.49	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	4.6	3.09	3.1	2.11	3.3	2.23	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.1	4.11	4.2	2.81	4.4	2.97	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	7.7	5.15	5.2	3.51	5.5	3.72	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	9.2	6.17	6.3	4.22	6.6	4.46	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	10.7	7.20	7.3	4.92	7.7	5.21	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	12.2	8.23	8.4	5.62	8.8	5.95	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	13.8	9.26	9.4	6.33	10.0	6.69	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	15.3	10.28	10.5	7.03	11.1	7.43	11	11	6
1667	65.6	36674	8244	18337	4123	11002	2473	16.8	11.30	11.5	7.73	12.2	8.18	12	12	6

UNI-CHAINS · UNI OPB 8 20%

UNI OPB 8 20%

DATASHEET: UNI OPB 8 20%

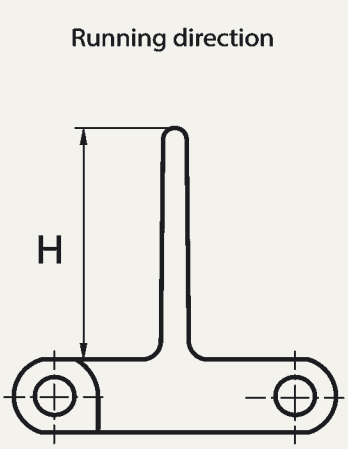
ACCESSORIES - FLIGHT



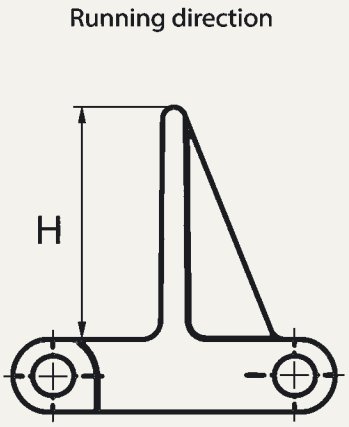
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – FLIGHT HEIGHT H, RUNNING DIRECTION



NON STICK/SUPPORT RIBS – FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHT

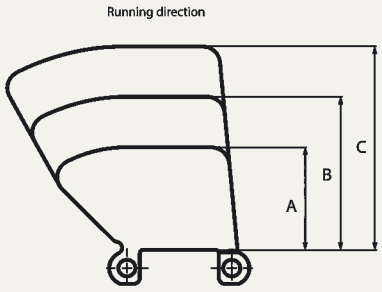
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

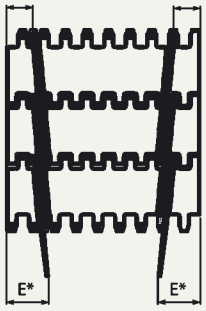
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - SIDE GUARD



CLOSED SIDE GUARD





SIDE GUARD HEIGHTS A, B, C AND INDENT D*, E* (TOP VIEW)

SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 20%

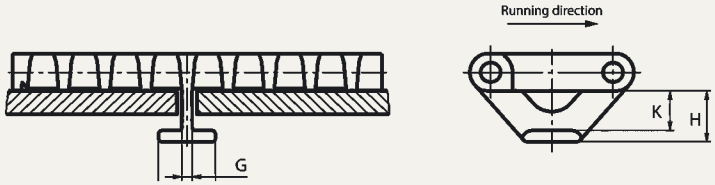
UNI OPB 8 20%

DATASHEET: UNI OPB 8 20%

ACCESSORIES - TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J AND K (RUNNING DIRECTION)

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 20%

UNI OPB 8 20%

DATASHEET: UNI OPB 8 20%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x					●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size symbols: ■ Molded sprocket, square bore ● Molded sprocket, round bore ☐ Machined sprocket, square bore ○ Machined sprocket, round bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



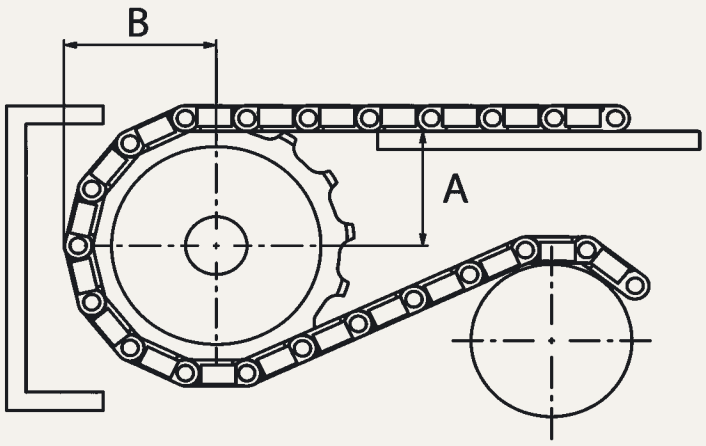
MOLDED SPROCKET – ROUND BORE



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.0 mm (0.43 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

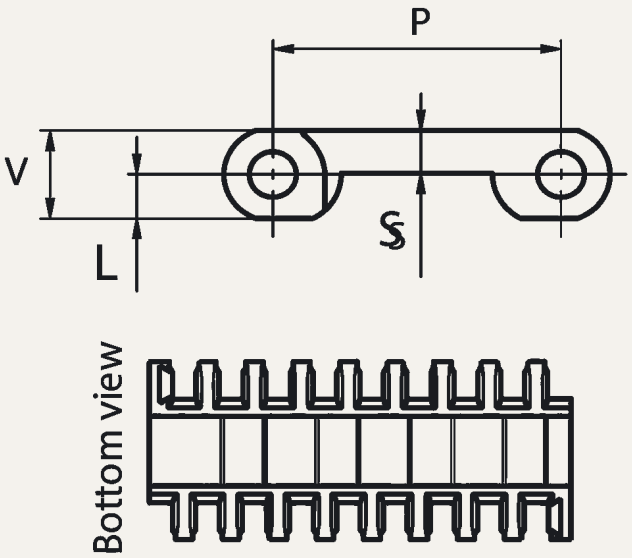
UNI-CHAINS · UNI OPB 8 25%

UNI OPB 8 25%

PLASTIC MODULAR BELT – BELT DATA, MATERIALS & BELT WIDTHS



UNI OPB 8 25% BELT, RUNNING DIRECTION*



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 25%
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

DIMENSIONS

DIM.	MM	IN
P (Nominal)	50.0	1.97
L	8.0	0.31
V	16.0	0.63
S	7.8	0.31

MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE W, PA6.6 N, PP W

Rodlock: PP W

Endlock: PP W G B and PE W B

Pin: PP W, PE W, SS304 and SS316

UNI-CHAINS · UNI OPB 8 25%

UNI OPB 8 25% (CONT.)

BELT WIDTHS, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.5	1.03	1.0	0.70	1.1	0.75	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.1	2.06	2.1	1.41	2.2	1.49	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	4.6	3.09	3.1	2.11	3.3	2.23	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.1	4.11	4.2	2.81	4.4	2.97	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	7.7	5.15	5.2	3.51	5.5	3.72	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	9.2	6.17	6.3	4.22	6.6	4.46	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	10.7	7.20	7.3	4.92	7.7	5.21	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	12.2	8.23	8.4	5.62	8.8	5.95	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	13.8	9.26	9.4	6.33	10.0	6.69	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	15.3	10.28	10.5	7.03	11.1	7.43	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	16.8	11.32	11.5	7.73	12.2	8.18	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	18.4	12.34	12.5	8.43	13.3	8.92	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	19.9	13.37	13.6	9.14	14.4	9.66	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2576	101.4	56672	12740	28336	6370	17002	3822	26.0	17.49	17.8	11.95	18.8	12.64	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2879	113.3	63338	14238	31669	7119	19001	4272	29.1	19.54	19.9	13.35	21.0	14.12	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*

***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI OPB 8 25%

UNI OPB 8 25%

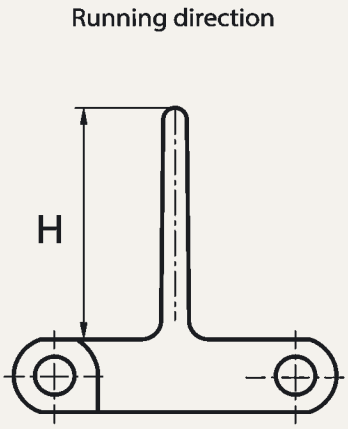
ACCESSORIES – FLIGHT & SIDE GUARD



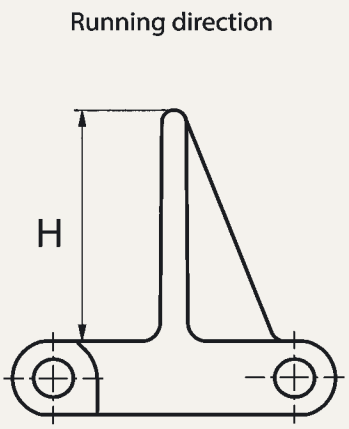
NON STICK



NON STICK/SUPPORT RIBS



NON STICK



NON STICK/SUPPORT RIBS

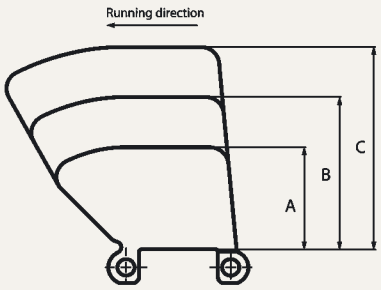
ACCESSORIES - FLIGHT

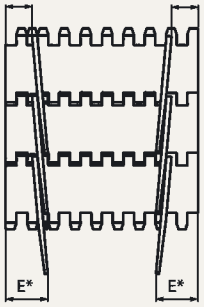
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs		76.2	3.00					
		101.6	4.00					

In the original table the Type, Recommended Material & color, Link size, Width and Indent cells are merged across all three H rows.
Non Standard material and color: See uni Material and Color Overview.



SIDE GUARD





SIDE GUARD DIMENSIONS A, B, C, D*, E*

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guards are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 25%

UNI OPB 8 25%

ACCESSORIES – TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J, K

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 25%

UNI OPB 8 25%

SPROCKETS

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	●■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●■	●■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●■	●■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●		■	●■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						○		□	○□		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore-size symbols: ■ = Molded sprocket, ● = Molded sprocket, □ = Machined sprocket, ○ = Machined sprocket (open symbols are the light-grey symbols of the original; square symbols correspond to the square-bore version, round symbols to the round-bore version shown in the sprocket images).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



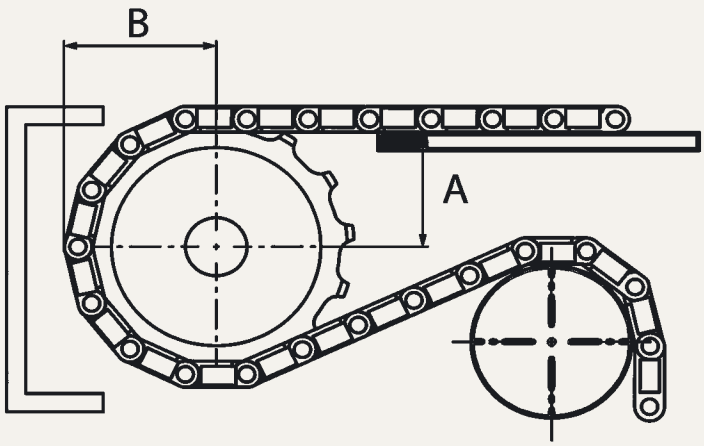
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET A- AND B-DIMENSION

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.0 mm (0.43 in)
- Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB. For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI OPB 8 C

UNI OPB 8 C

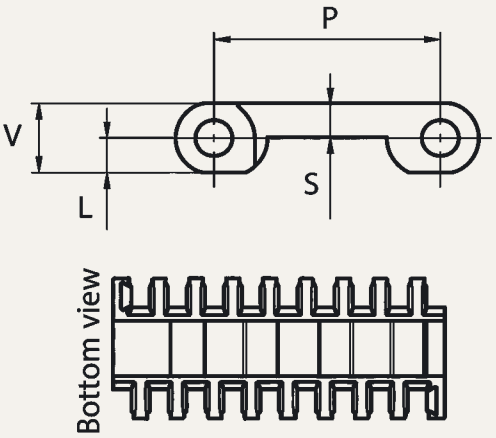
DATASHEET: UNI OPB 8 C

PLASTIC MODULAR BELT

Series **uni OPB 8** Type **C**



UNI OPB 8 C BELT – RUNNING DIRECTION



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

RECOMMENDED MATERIALS

	MATERIAL & COLOR
Recommended belt material & color	POM-D (W)
Recommended pin and lock material & color	PP (W)

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	S	7.8	0.31

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE (W), PA6.6 (N), PP (W)

Rodlock: PP (W)

Pin: PP (W), PE (W), SS304 and SS316

Endlock: PP (W) (G) (B) and PE (W) (B)

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.7	1.14	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.4	2.28	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.1	3.42	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	6.8	4.56	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.5	5.71	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.2	6.84	6.8	4.58	7.4	4.95	7	7	4

UNI-CHAINS · UNI OPB 8 C

UNI OPB 8 C

DATASHEET: UNI OPB 8 C

ACCESSORIES - RUBBER TOP

Rubber top profiles available for uni OPB 8 C: Flat, Rib and Curved Rib.



RUBBER TOP BELT



FLAT – DIMENSIONS A, B



RIB – DIMENSIONS A, B, D



CURVED RIB – DIMENSIONS C, E, F

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-LF (BR)	03 (N)	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D (W)	03 (N)	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D (W)	03 (K)	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93

Dimensions A–F, link size and width are common to all three rubber top types.
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES - FLIGHT

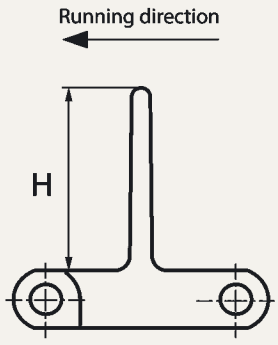
Flight types available for uni OPB 8 C: Non Stick and Non Stick/Support Ribs.



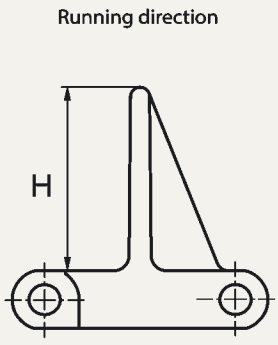
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – HEIGHT H, RUNNING DIRECTION



NON STICK/SUPPORT RIBS – HEIGHT H, RUNNING DIRECTION

FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick / Non Stick/Support Ribs	PP-HW (B)	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick / Non Stick/Support Ribs	PP-HW (B)	76.2	3.00	K600	151.0	5.94	0.0	0.00
Non Stick / Non Stick/Support Ribs	PP-HW (B)	101.6	4.00	K600	151.0	5.94	0.0	0.00

Both flight types (Non Stick and Non Stick/Support Ribs) are available in all three heights H.
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 C

UNI OPB 8 C

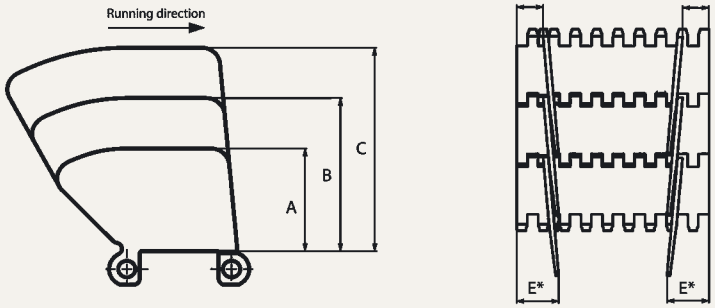
DATASHEET: UNI OPB 8 C

ACCESSORIES - SIDE GUARD

Closed side guard for uni OPB 8 C.



SIDE GUARD, CLOSED



SIDE GUARD HEIGHTS A, B, C AND INDENT D*, E* (RUNNING DIRECTION)

SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW (B)	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

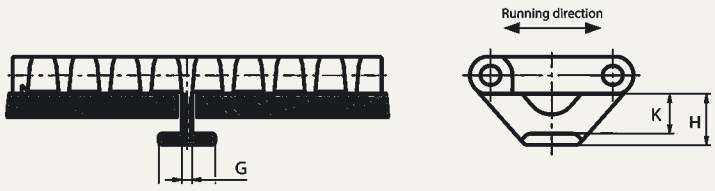
** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - TAB

Bottom hold down tab for uni OPB 8 C.



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, H, J, K (RUNNING DIRECTION)

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D (W), POM-LF (B), PP (W)	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.



UNI-CHAINS · UNI OPB 8 C

UNI OPB 8 C

DATASHEET: UNI OPB 8 C

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM (0.75 IN)	20.0 MM (0.78 IN)	25.0 MM (0.98 IN)	25.4 MM (1.00 IN)	30.0 MM (1.18 IN)	31.8 MM (1.25 IN)	38.1 MM (1.50 IN)	40.0 MM (1.57 IN)	60.0 MM (2.36 IN)	63.5 MM (2.50 IN)	90.0 MM (3.54 IN)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	● ■				129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	● ■	● ■				160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	● ■	● ■				191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	● ■				207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○ □		□		254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore symbols (page legend): ■ Molded sprocket (square bore) · ● Molded sprocket (round bore) · ☐ Machined sprocket (square bore) · ○ Machined sprocket (round bore).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



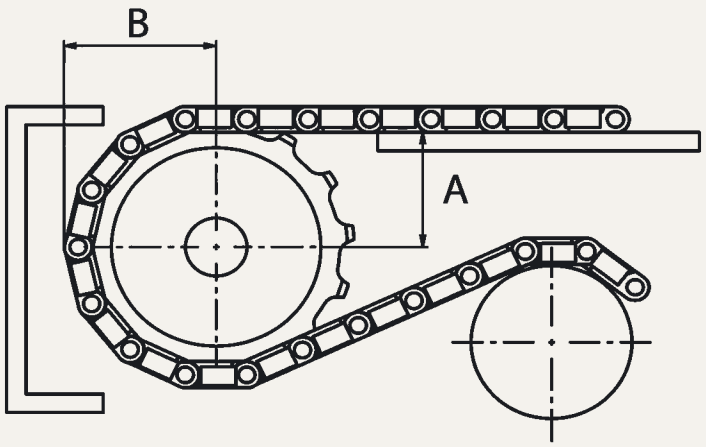
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON THE SPROCKET / BELT PATH

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.0 mm (0.43 in)
- Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

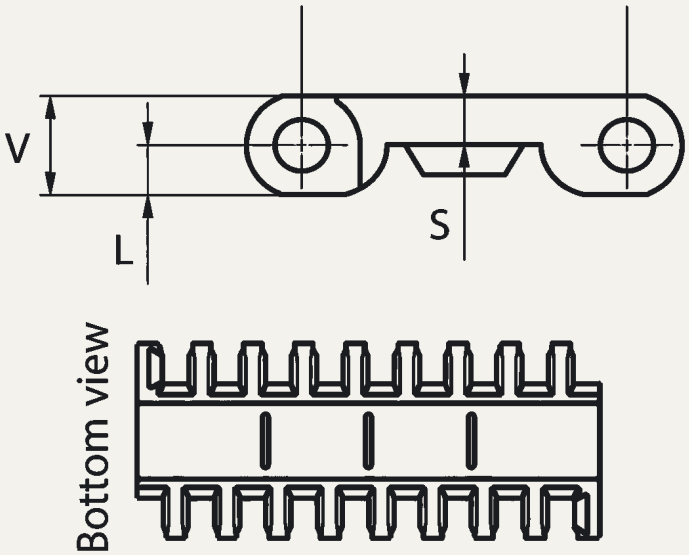
UNI-CHAINS · UNI OPB 8M C

UNI OPB 8M C

PLASTIC MODULAR BELT – SERIES UNI OPB 8M, TYPE C



UNI OPB 8M C BELT, RUNNING DIRECTION*



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

*uni-chains recommends this travel direction. However. travel in both directions is possible.

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
L	8.0	0.31
V	16.0	0.63
S	7.8	0.31

MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H

Lockpin: PE W, PA6.6 N, PP W

Rodlock: PP W

Endlock: PP W G B and PE W B

Pin: PP W, PE W, SS304 and SS316

UNI-CHAINS · UNI OPB 8M C

UNI OPB 8M C (CONT.)

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	33330	7493	16665	3746	9999	2248	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	36674	8244	18337	4122	11002	2473	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	39996	8991	19998	4496	11999	2697	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7
1970	77.6	43340	9743	21670	4871	13002	2923	23.0	15.49	14.8	9.93	16.0	10.72	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2576	101.4	56672	12740	28336	6370	17002	3822	30.1	20.26	19.3	12.98	20.9	14.02	18	18	9
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.5 MM (5.96 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.5 MM (1.32 IN.)																
2879	113.3	63338	14238	31669	7119	19001	4272	33.7	22.64	21.6	14.51	23.3	15.67	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM 2500 N (562 lbf), PP 1200 N (270 lbf), PE 500 N (270 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

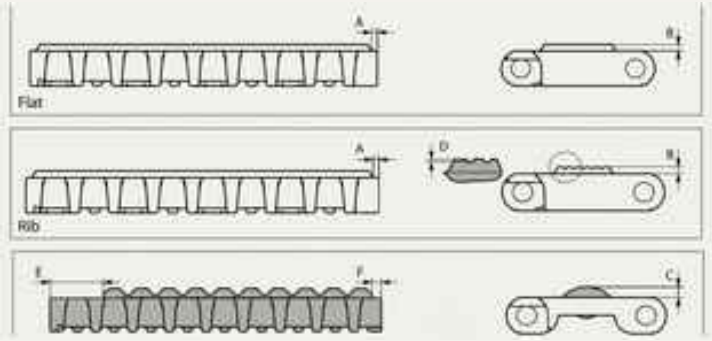
UNI-CHAINS · UNI OPB 8M C

UNI OPB 8M C

ACCESSORIES: RUBBER TOP AND FLIGHT



RUBBER TOP BELT



RUBBER TOP PROFILES – FLAT, RIB AND CURVED RIB WITH DIMENSIONS A–F

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93

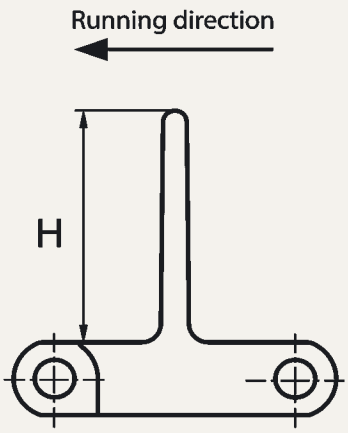
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



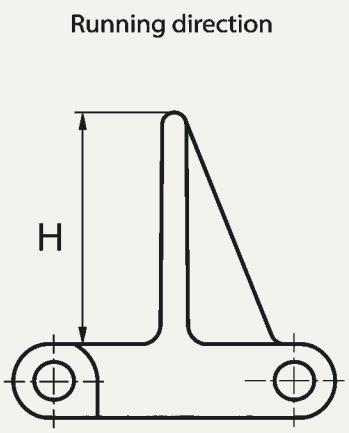
NON STICK



NON STICK/SUPPORT RIBS



NON STICK



NON STICK/SUPPORT RIBS

ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8	2.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs	PP-HW B	76.2	3.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs	PP-HW B	101.6	4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

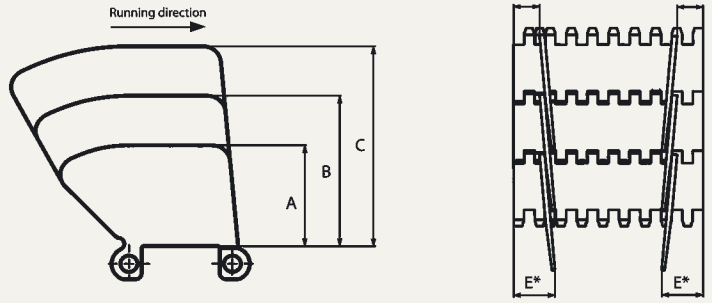
UNI-CHAINS · UNI OPB 8M C

UNI OPB 8M C

ACCESSORIES: SIDE GUARD, TAB AND UNI AMFLIGHT



SIDE GUARD



SIDE GUARD DIMENSIONS A, B, C, D* AND E*; RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.



TAB – BOTTOM HOLD DOWN



TAB DIMENSIONS G, H, J AND K; RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
Bottom Hold Down	POM-LF B	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67
Bottom Hold Down	PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI OPB 8M C

UNI OPB 8M C

SPROCKETS: BORE SIZES AND DIMENSIONS

SPROCKET

NO OF TEETH	BORE SIZE — IN (MM)												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 (19.1)	0.78 (20.0)	0.98 (25.0)	1.00 (25.4)	1.18 (30.0)	1.25 (31.8)	1.50 (38.1)	1.57 (40.0)	2.36 (60.0)	2.50 (63.5)	3.54 (90.0)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				89.1	3.51	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	●■				120.9	4.76	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	●■	●■				153.0	6.02	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	●■	●■				185.5	7.30	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	●■				201.0	7.91	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											■		201.0	7.91	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					●		■	●■		■		250.8	9.87	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore size symbols: ● = round bore, ■ = square bore. Dark symbols indicate molded sprockets, light symbols machined sprockets.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



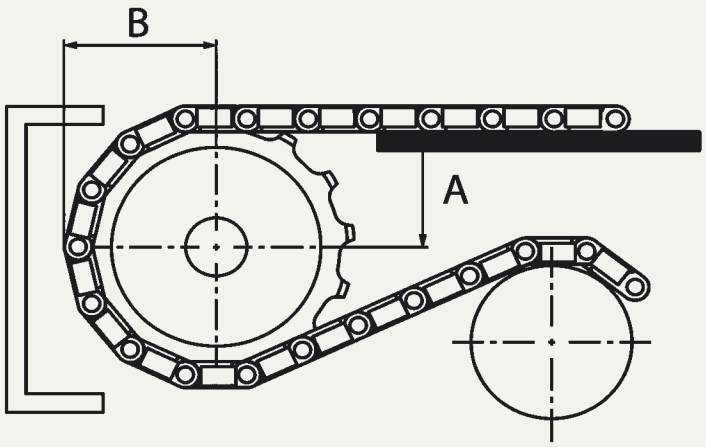
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON THE SPROCKET/BELT ENGAGEMENT

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

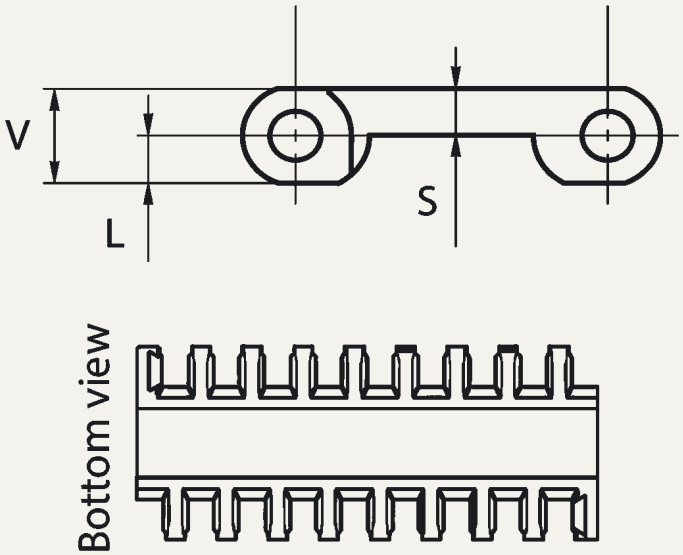
UNI-CHAINS · UNI OPB 8P C

UNI OPB 8P C

PLASTIC MODULAR BELT – BELT DATA, MATERIALS & DIMENSIONS



UNI OPB 8P C BELT – RUNNING DIRECTION*



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.00 in)
- Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However, travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

Recommended belt material & color	POM-D W
Recommended pin and lock material & color	PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
L	8.0	0.31
V	16.0	0.63
S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H — Rodlock: PP W — Endlock: PP W, G, B and PE W, B — Lockpin: PE W, PA6.6 N, PP W — Pin: PP W, PE W, SS304 and SS316

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	1672	376	836	188	502	113	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	3333	749	1667	375	1000	225	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	5005	1125	2503	563	1502	338	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	6666	1499	3333	749	2000	450	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	8338	1874	4169	937	2501	562	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	9999	2248	5000	1124	3000	674	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	11671	2624	5836	1312	3501	787	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	13332	2997	6666	1499	4000	899	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	15004	3373	7502	1686	4501	1012	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5
1515	59.6	16665	3746	8333	1873	5000	1124	17.7	11.91	11.4	7.64	12.3	8.25	11	11	6
1667	65.6	18337	4122	9169	2061	5501	1237	19.5	13.11	12.5	8.40	13.5	9.07	12	12	6
1818	71.6	19998	4496	9999	2248	5999	1349	21.3	14.29	13.6	9.16	14.7	9.90	13	13	7

UNI-CHAINS · UNI OPB 8P C

UNI OPB 8P C

ACCESSORIES – RUBBER TOP AND FLIGHT



RUBBER TOP



FLAT – DIMENSIONS A AND B



RIB – DIMENSIONS A, B AND D



CURVED RIB – DIMENSIONS E, F AND C

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		D		E		F		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-LF BR	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Rib	POM-D W	03 N	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93
Curved Rib	POM-D W	03 K	2.5	0.10	3.0	0.12	4.5	0.18	0.7	0.03	24.0	0.94	4.0	0.16	K600	150.5	5.93

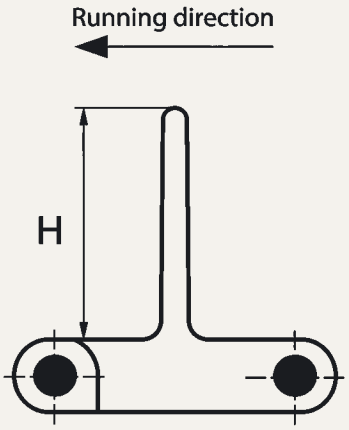
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



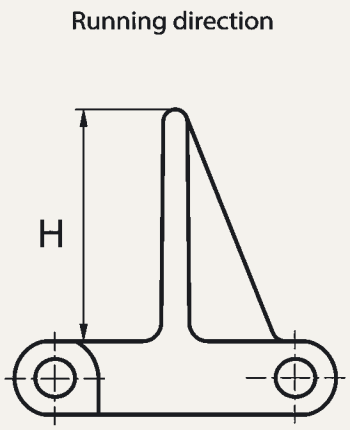
NON STICK



NON STICK/SUPPORT RIBS



NON STICK – HEIGHT H, RUNNING DIRECTION



NON STICK/SUPPORT RIBS – HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-HW B	50.8 / 76.2 / 101.6	2.00 / 3.00 / 4.00	K600	151.0	5.94	0.0	0.00
Non Stick/Support Ribs	PP-HW B	50.8 / 76.2 / 101.6	2.00 / 3.00 / 4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

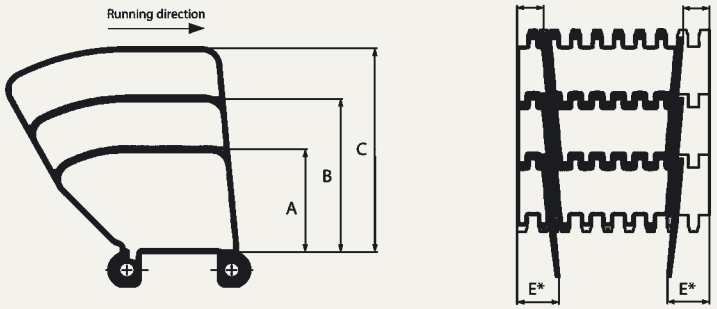
UNI-CHAINS · UNI OPB 8P C

UNI OPB 8P C

ACCESSORIES – SIDE GUARD, TAB AND UNI AMFLIGHT



SIDE GUARD



SIDE GUARD – DIMENSIONS A, B, C, D* AND E*, RUNNING DIRECTION

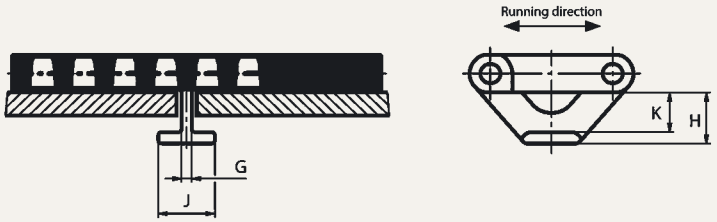
ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	A		B		C		D*		E*	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-HW B	51.8	2.04	77.2	3.04	102.6	4.04	21.0	0.83	34.0	1.34

** Min. indent Increment : 8.4 mm (0.33 in)*
Note: Backflex radius when side guard are used: 200.0 mm (7.90 in)
Non Standard material and color: See uni Material and Color Overview.



TAB – BOTTOM HOLD DOWN



TAB – DIMENSIONS G, H, J AND K, RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W, POM-LF B, PP W	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI OPB 8P C

UNI OPB 8P C

SPROCKET DATA – BORE SIZES, DIAMETERS AND DIMENSIONS

SPROCKET

NO OF TEETH	BORE SIZE													OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG (MOLDED)	PA6 N (MACHINED)
	PILOT BORE	19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				89.1	3.51	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x				●	●	●	■	● ■				120.9	4.76	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x					●	●	● ■	● ■				153.0	6.02	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x					●	●	● ■	● ■				185.5	7.30	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x					●		■	● ■				201.0	7.91	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13											□		201.0	7.91	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x					○		□	○ □		□		250.8	9.87	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

Bore markings: ■ and ● = Molded sprocket; □ and ○ = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



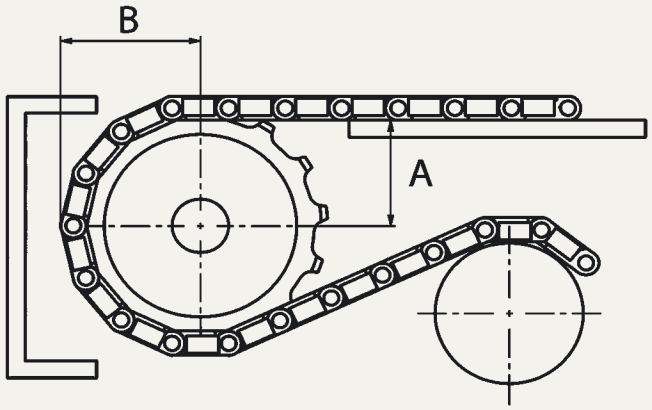
● MOLDED SPROCKET



□ MACHINED SPROCKET



○ MACHINED SPROCKET



SPROCKET POSITION – DIMENSIONS A AND B

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.0 mm (0.43 in)
- Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

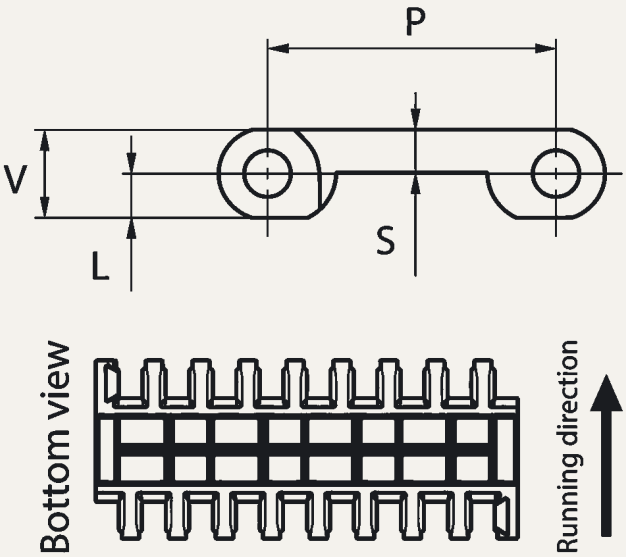
UNI-CHAINS · UNI OPB 8 ROUGH

UNI OPB 8 ROUGH

DATASHEET: UNI OPB 8 ROUGH



UNI OPB 8 ROUGH BELT (RUNNING DIRECTION)



BELT DIMENSIONS P, V, L, S AND BOTTOM VIEW

PLASTIC MODULAR BELT – SERIES UNI OPB 8, TYPE ROUGH

Straight running belt

Nominal pitch: 50.0 mm (1.97 in)

Surface type: Rough

Surface opening: Closed

Backflex radius: 75.0 mm (3.00 in)

Pin diameter: ø8 mm (1.97 in)

*uni-chains recommends this travel direction. However. travel in both directions is possible.

RECOMMENDED MATERIAL & COLOR

Recommended belt material & color	POM-D (W)
Recommended pin and lock material & color	PP (W)

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.0	1.97	V	16.0	0.63
L	8.0	0.31	S	7.8	0.31

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF, POM-SLF, PP, PE, PA6.6 and PA6.6H — Lockpin: PE (W), PA6.6 (N), PP (W)

Rodlock: PP (W) — Endlock: PP (W) (G) (B) and PE (W) (B) — Pin: PP (W), PE (W), SS304 and SS316

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	3344	752	1672	376	1003	226	1.8	1.20	1.1	0.77	1.2	0.83	2	2	2
303	11.9	6666	1499	3333	749	2000	450	3.5	2.38	2.3	1.53	2.5	1.65	3	3	2
455	17.9	10010	2250	5005	1125	3003	675	5.3	3.58	3.4	2.29	3.7	2.48	4	4	2
606	23.9	13332	2997	6666	1499	4000	899	7.1	4.76	4.5	3.05	4.9	3.30	5	5	3
758	29.8	16676	3749	8338	1874	5003	1125	8.9	5.96	5.7	3.82	6.1	4.13	6	6	3
909	35.8	19998	4496	9999	2248	5999	1349	10.6	7.15	6.8	4.58	7.4	4.95	7	7	4
1061	41.8	23342	5247	11671	2624	7003	1574	12.4	8.34	8.0	5.35	8.6	5.78	8	8	4
1212	47.7	26664	5994	13332	2997	7999	1798	14.2	9.53	9.1	6.11	9.8	6.60	9	9	5
1364	53.7	30008	6746	15004	3373	9002	2024	16.0	10.73	10.2	6.88	11.0	7.43	10	10	5

UNI-CHAINS · UNI OPB 8 ROUGH

UNI OPB 8 ROUGH

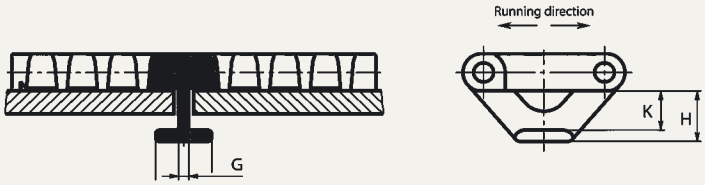
DATASHEET: UNI OPB 8 ROUGH

ACCESSORIES

Tab



TAB



TAB DIMENSIONS G, H, J, K (RUNNING DIRECTION)

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		H		J		K	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D (W) / POM-LF (B) / POM-D (W)	4.2	0.17	22.0	0.87	23.2	0.92	17.0	0.67

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI OPB 8 ROUGH

UNI OPB 8 ROUGH

DATASHEET: UNI OPB 8 ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE													OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 (LG) MOLDED	PA6 (N) MACHINED
		IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54															
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■					94.5	3.72	100.3	3.95	65	2.56	35.5	1.40	58.6	2.31	x		x	
Z08	x					●	●	●	■	●■					129	5.08	131.1	5.16	65	2.56	52.6	2.07	74	2.91	x		x	
Z10	x						●	●	●■	●■					160.1	6.30	162.4	6.39	65	2.56	69.2	2.72	89.7	3.53	x		x	
Z12	x						●	●	●■	●■					191.5	7.54	193.9	7.63	65	2.56	85.7	3.37	105.5	4.15	x		x	
Z13	x						●		■	●■					207.3	8.16	209.7	8.26	72	2.83	93.8	3.69	113.4	4.46	x		x	
Z13												□			207.3	8.16	209.7	8.26	150	5.91	93.8	3.69	113.4	4.46	x			x
Z16	x						○		□	○□		□			254.8	10.03	257.3	10.13	200	7.87	118.2	4.65	137.1	5.40	x			x

■ Molded sprocket ● Molded sprocket □ Machined sprocket ○ Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



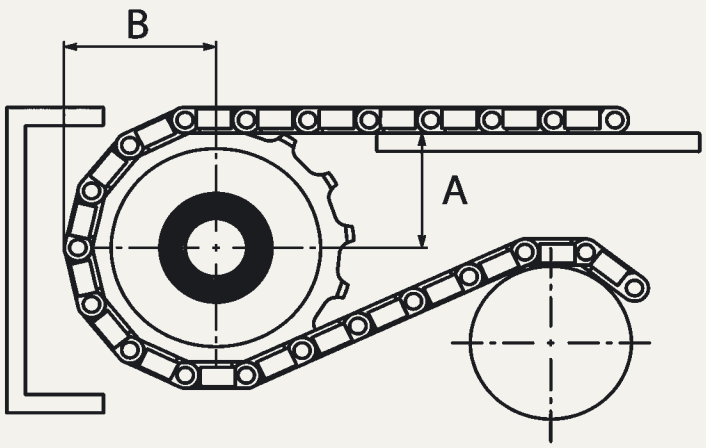
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON SPROCKET / BELT PATH

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway .

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.0 mm (0.43 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni OPB.

For more detailed sprocket information, contact Customer Service.

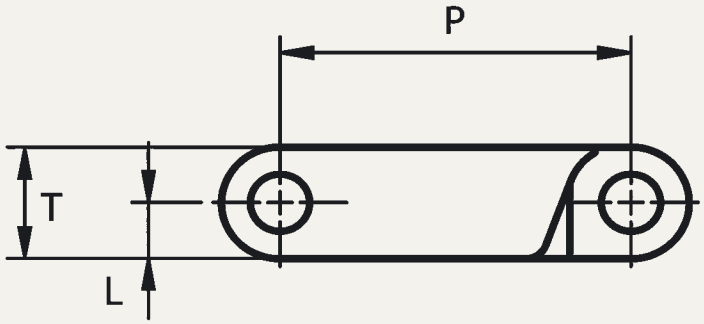
UNI-CHAINS · UNI SSB C

UNI SSB C

DATASHEET: UNI SSB C



UNI SSB C BELT (RUNNING DIRECTION)



BELT DIMENSIONS P, T, L

PLASTIC MODULAR BELT – SERIES UNI SSB, TYPE C

Straight running belt

Nominal pitch: 38.1 mm (1.50 in)

Surface type: Flat

Surface opening: Closed

Backflex radius: 45.0 mm (1.8 in)

Pin diameter: 6.4 mm (0.25 in)

MATERIAL & COLOR

Belt material & color	POM-LF (BR)	PP (G)
Pin and lock material & color	PBT-GR (N)	PP (B)

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	12.7w	0.50
L	6.4	0.25	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP (W), PA66 (N), SS304

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
83	3.3	2988	672	1079	243	0.9	0.63	0.6	0.41	2	2	2
115	4.5	4140	931	1495	336	1.3	0.87	0.9	0.57	2	2	2
153	6.0	5513	1239	1991	448	1.7	1.16	1.1	0.76	2	2	2
191	7.5	6876	1546	2483	558	2.2	1.45	1.4	0.95	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

For belt width above 2968 mm, please contact our customer service to review packaging and handling.
General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
□ = Single Link

UNI-CHAINS · UNI SSB C

UNI SSB C

DATASHEET: UNI SSB C



RUBBER TOP BELT



RUBBER TOP – DIMENSION A

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		LINK SIZE	WIDTH	
			MM	IN		MM	IN
Curved	POM-LF BR	05 I	2.5	0.10	K600	152.2	5.99

Non standard material and color: See uni Material and Color Overview.



FLAT FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

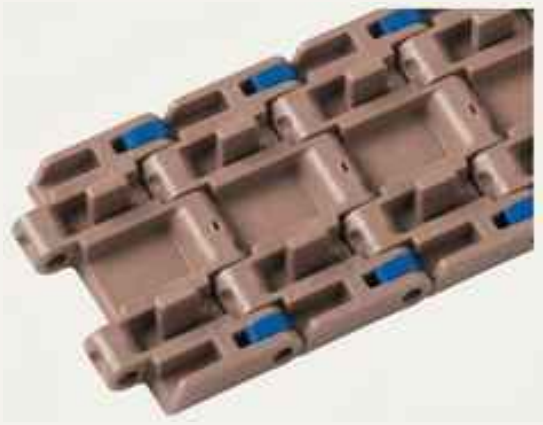
TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non standard material and color: See uni Material and Color Overview.
Minimum bricklayed indent is for uni SSB Product Support 50.8 mm (2.00 in).
Increment: 25.4 mm (1.00 in).

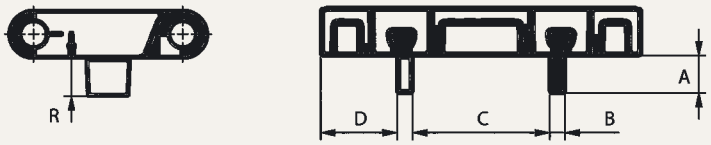
UNI-CHAINS · UNI SSB C

UNI SSB C

DATASHEET: UNI SSB C



BOTTOM GUIDE TAB BELT



BOTTOM GUIDE TAB DIMENSIONS R, D, C, B, A

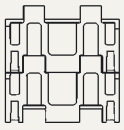
ACCESSORIES - TAB / SINGLE LINK ONLY

TYPE	BELT MATERIAL & COLOR	R		D		C		B		A		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN		MM	IN
Bottom Guide	POM-LF BR / PP G	10.0	0.39	19.6	0.77	35.2	1.39	4.0	0.16	10.0	0.39	K325	82.6	3.25

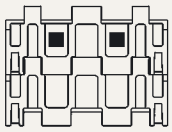
Non standard material and color: See uni Material and Color Overview.

OVERVIEW SPROCKET PLACEMENT

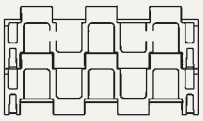
- Square marker = Single Row sprocket
- Oval marker = Double Row sprocket



UNI SSB K325



UNI SSB K450



UNI SSB K600



UNI SSB K750

UNI-CHAINS · UNI SSB C

UNI SSB C

DATASHEET: UNI SSB C

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z19	x					●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x					●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x					●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x						●	●	● ■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x							○	○ □	○ □				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x							○	○ □	○ □				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x							○	○ □	○ □				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Bore size markers: ● and ■ (dark) = Molded sprocket; ○ and □ (light) = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



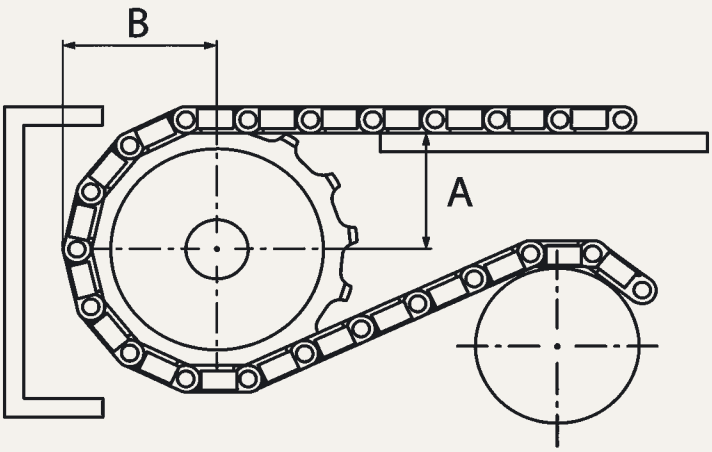
MOLDED SPROCKET



MOLDED SPROCKET



MACHINED SPROCKET



DIMENSIONS A AND B ON THE DRIVE SHAFT



MACHINED SPROCKET

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth: 15.0 mm/0.59 in
- Width of sprocket: Single row = 42.3 mm (1.67 in); Double row = 42.3 mm (1.67 in)
- Max. load per sprocket shown does not take bore size into account.
- Please also ensure that sufficient size shaft is chosen for corresponding load.
- For correct sprocket position: See uni Assembly Instructions for uni SSB.
- For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI SSB 22%

UNI SSB 22%

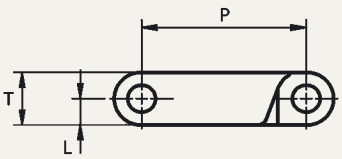
DATASHEET: UNI SSB 22%

PLASTIC MODULAR BELT

Series **uni SSB** Type **22%**



UNI SSB 22% BELT, RUNNING DIRECTION



LINK DIMENSIONS P, T AND L

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 45.0 mm (1.8 in)
- Pin diameter: 6.4 mm (0.25 in)

MATERIAL & COLOR

Belt material & color	POM-LF BR	PP G
Pin and lock material & color	PBT-GR N	PP B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PP W, PA66 N, SS304

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	12.7	0.50
L	6.4	0.25	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

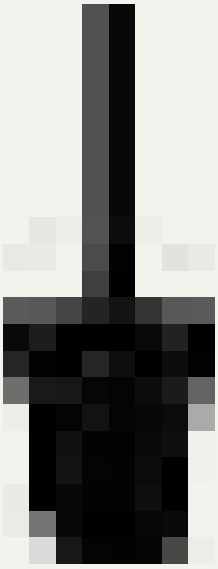
UNI-CHAINS · UNI SSB 22%

UNI SSB 22%

DATASHEET: UNI SSB 22% – ACCESSORIES



RUBBER TOP BELT



RUBBER TOP PROFILE, DIMENSION A

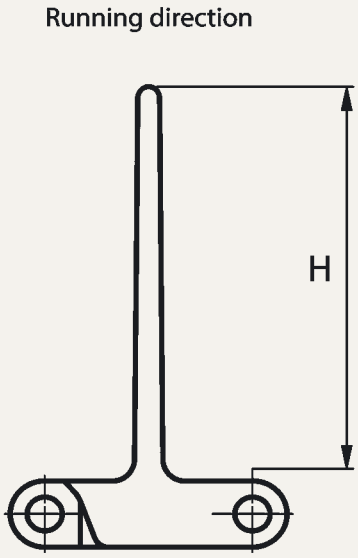
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		LINK SIZE	WIDTH	
			MM	IN		MM	IN
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
Curved	POM-LF BR	05 I	2.5	0.10	K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.



FLAT FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH	
		MM	IN		MM	IN
Flat	PP-I G	76.1	3.00	K600	152.0	5.99

Non Standard material and color: See uni Material and Color Overview.
Minimum bricklayed indent is for uni SSB Product Support 50.8 mm (2.00 in)
Increment: 25.4 mm (1.00 in)

UNI-CHAINS · UNI SSB 22%

UNI SSB 22%

DATASHEET: UNI SSB 22% – SPROCKETS

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM) 0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	OVERALL DIAMETER MM	OVERALL DIAMETER IN	PITCH DIAMETER MM	PITCH DIAMETER IN	HUB DIAMETER MM	HUB DIAMETER IN	DIMENSION A MM	DIMENSION A IN	DIMENSION B MM	DIMENSION B IN	SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x					●	●	●■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x						●	●■	●■				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x						●	●■	●■				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x						●	●■	●■				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Non standard material and color: See uni Material and Color Overview.
Bore size markers refer to the sprocket illustrations below: dark ■ / ● = molded sprocket, light ■ / ● = machined sprocket.



MOLDED SPROCKET



MOLDED SPROCKET



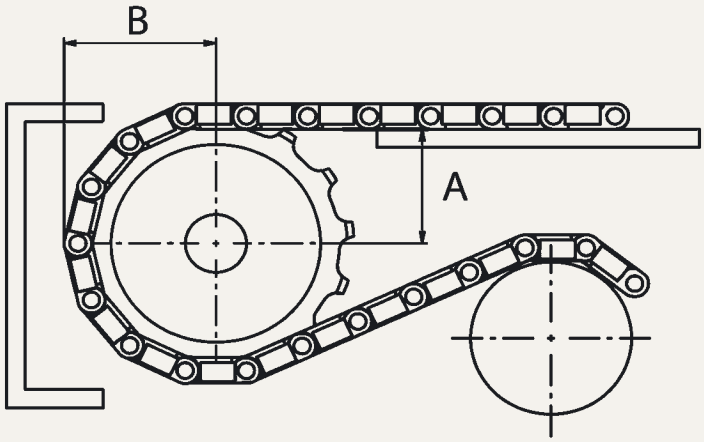
MOLDED SPROCKET



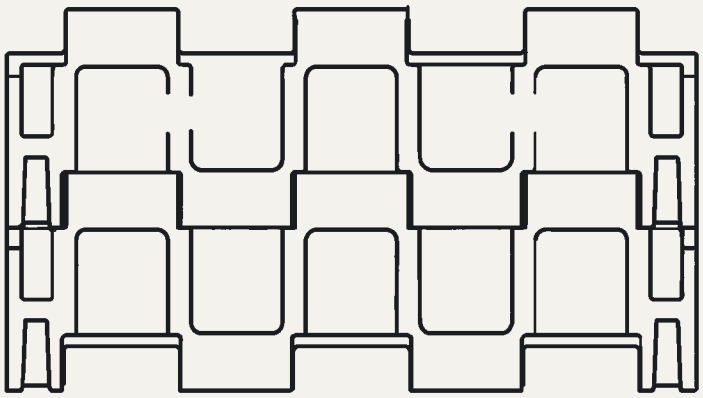
MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET AND CHAIN WRAP, DIMENSIONS A AND B



UNI SSB K600 – SPROCKET POSITIONS (■ = SINGLE ROW SPROCKET, ● = DOUBLE ROW SPROCKET)

MAX. LOAD PER SPROCKET

BELT MATERIAL	POM N	POM LBF	PP N	PP LBF
uni SSB	2000	450	1200	270

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth: 15.0 mm/0.59 in

UNI-CHAINS · UNI SSB 22%

UNI SSB 22%

DATASHEET: UNI SSB 22% – NOTICE

NOTICE

This information is subject to alteration due to continuous development. Ammeraal Beltech will not be held liable for the incorrect use of the above stated information. This information replaces previous information. All activities performed and services rendered by Ammeraal Beltech are subject to general terms and conditions of sale and delivery, as applied by its operating companies.

Document reference: uni SSB 22%/1409

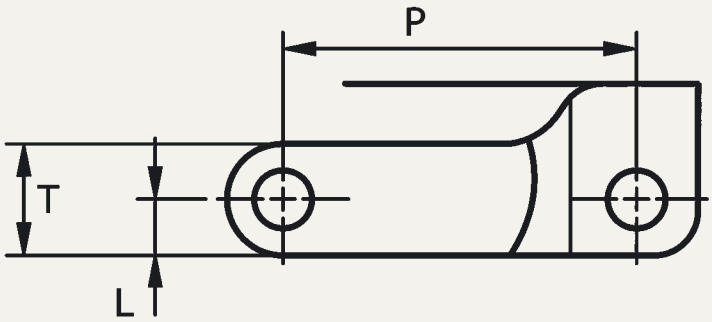
UNI-CHAINS · UNI SSB 29%

UNI SSB 29%

PLASTIC MODULAR BELT – SERIES UNI SSB, TYPE 29%



UNI SSB 29% BELT, RUNNING DIRECTION



LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 29%
- Backflex radius: 45.0 mm (1.8 in)
- Pin diameter: 6.4 mm (0.25 in)

BELT, PIN AND LOCK MATERIALS

	MATERIAL & COLOR	MATERIAL & COLOR
Belt material & color	POM-LF BR	PP G
Pin and lock material & color	PBT-GR N	PP B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PP W, PA66 N, SS304

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	12.7	0.50
L	6.4	0.25	-	-	-

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
2968	116.9	106848	24019	38584	8674	33.5	22.54	22.0	14.76	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 2000 N (450 lbf), PP 1200 N (270 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
□ = Single Link

UNI-CHAINS · UNI SSB 29%

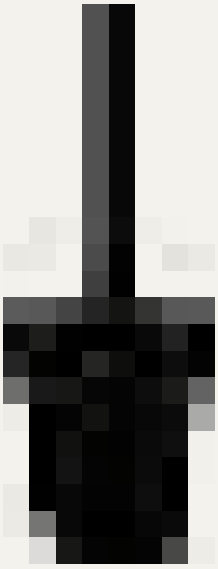
UNI SSB 29%

DATASHEET: UNI SSB 29%

ACCESSORIES - RUBBER TOP



CURVED RUBBER TOP



RUBBER TOP THICKNESS A ON THE BELT LINK

RUBBER TOP

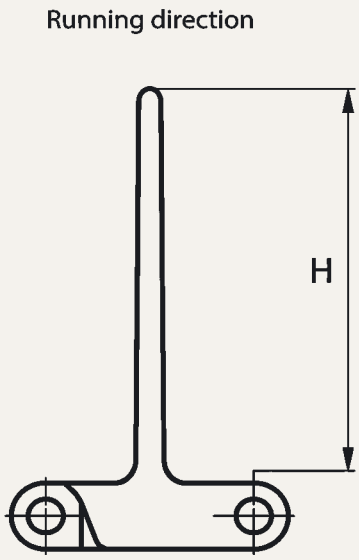
TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		LINK SIZE	WIDTH	
			MM	IN		MM	IN
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - FLIGHT



FLAT FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H	LINK SIZE	WIDTH

UNI-CHAINS · UNI SSB 29%

UNI SSB 29%

DATASHEET: UNI SSB 29%

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B					
	PILOT BORE	19.1 MM (0.75 IN)	20.0 MM (0.78 IN)	25.0 MM (0.98 IN)	25.4 MM (1.00 IN)	30.0 MM (1.18 IN)	31.8 MM (1.25 IN)	38.1 MM (1.50 IN)	40.0 MM (1.57 IN)	60.0 MM (2.36 IN)	63.5 MM (2.50 IN)	90.0 MM (3.54 IN)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x					●	●	● ■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x						○	○ □	○ □				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x						○	○ □	○ □				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x						○	○ □	○ □				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Bore symbols (page legend): ■ / ● = Molded sprocket, □ / ○ = Machined sprocket; square (■ / □) = Single Row sprocket, circle (● / ○) = Double Row sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



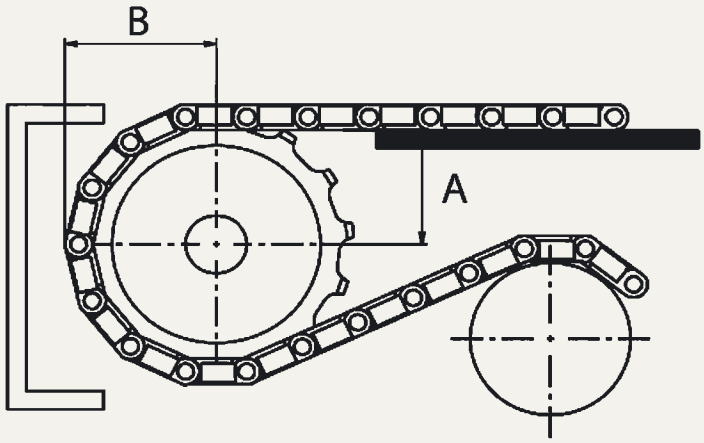
MOLDED SPROCKET



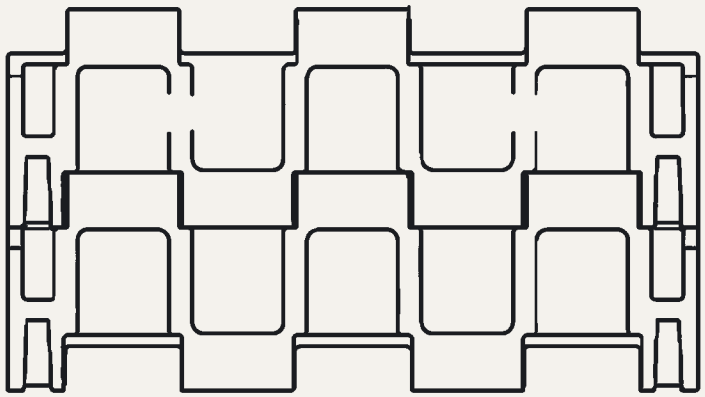
MACHINED SPROCKET



MACHINED SPROCKET



DIMENSION A AND B ON THE SPROCKET / BELT PATH



UNI SSB K600 – SINGLE ROW AND DOUBLE ROW SPROCKET POSITIONS

MAX. LOAD PER DRIVE SPROCKET

BELT MATERIAL	POM		PP	
	N	LBF	N	LBF
uni SSB	2000	450	1200	270

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth: 15.0 mm/0.59 in
- Width of sprocket: Single row = 42.3 mm (1.67 in); Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni SSB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI SSB 32%

UNI SSB 32%

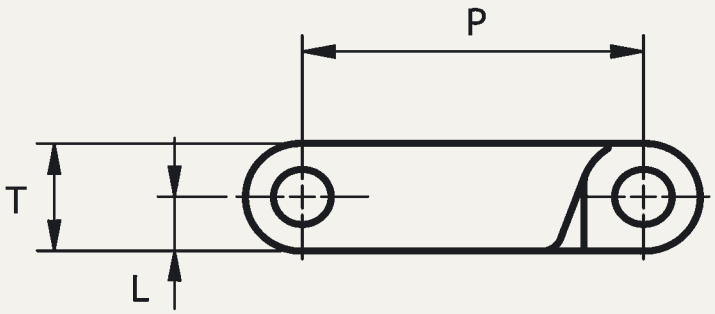
DATASHEET: UNI SSB 32%

PLASTIC MODULAR BELT

Series **uni SSB** Type **32%**



UNI SSB 32% BELT – RUNNING DIRECTION



BELT LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 32%
- Backflex radius: 45.0 mm (1.8 in)
- Pin diameter: 6.4 mm (0.25 in)

MATERIALS

	MATERIAL & COLOR	
Belt material & color	POM-LF BR	PP G
Pin and lock material & color	PBT-GR N	PP B

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	12.7	0.50
L	6.4	0.25	-	-	-

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PP W, PA66 N, SS304

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PBT-GR		PP/PBT-GR		POM-LF/PBT-GR		PP/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	5508	1238	1989	447	1.7	1.16	1.1	0.76	2	2	2
229	9.0	8244	1853	2977	669	2.6	1.74	1.7	1.14	2	2	2
305	12.0	10980	2468	3965	891	3.4	2.32	2.3	1.52	3	3	2
381	15.0	13716	3083	4953	1113	4.3	2.89	2.8	1.89	3	3	2
457	18.0	16452	3698	5941	1336	5.2	3.47	3.4	2.27	4	4	2
533	21.0	19188	4313	6929	1558	6.0	4.05	3.9	2.65	4	4	2
609	24.0	21924	4929	7917	1780	6.9	4.62	4.5	3.03	5	5	3
685	27.0	24660	5544	8905	2002	7.7	5.20	5.1	3.41	5	5	3
761	30.0	27396	6159	9893	2224	8.6	5.78	5.6	3.78	6	6	3
838	33.0	30168	6782	10894	2449	9.5	6.36	6.2	4.17	6	6	3
914	36.0	32904	7397	11882	2671	10.3	6.94	6.8	4.55	7	7	4
990	39.0	35640	8012	12870	2893	11.2	7.52	7.3	4.92	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).												
1979	77.9	71244	16016	25727	5783	22.4	15.03	14.6	9.84	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN). ADDITIONAL NON-STANDARD BELT												

UNI-CHAINS · UNI SSB 32%

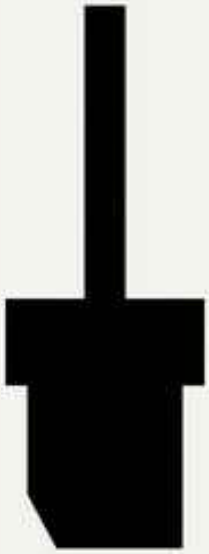
UNI SSB 32%

DATASHEET: UNI SSB 32%

ACCESSORIES - RUBBER TOP



CURVED RUBBER TOP



RUBBER TOP THICKNESS A ON THE BELT LINK

RUBBER TOP

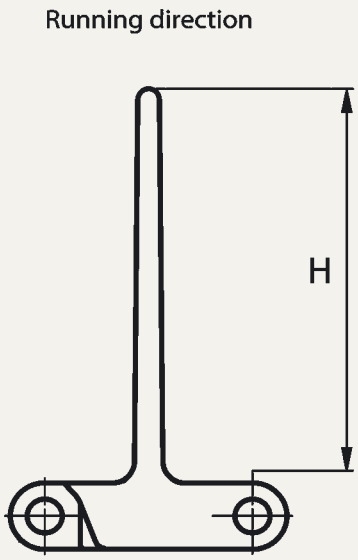
TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		LINK SIZE	WIDTH	
			MM	IN		MM	IN
Curved	POM-LF BR	05 I	2.5	0.10	K300	76.0	2.99
					K600	152.2	5.99

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - FLIGHT



FLAT FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H	LINK SIZE	WIDTH

UNI-CHAINS · UNI SSB 32%

UNI SSB 32%

DATASHEET: UNI SSB 32%

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z19	x				●	●	●	■	●				117	4.61	117.3	4.62	75	2.95	49.1	1.93	65	2.56	x	x	x	
Z21	x				●	●	●	■	●				130	5.12	129.3	5.09	75	2.95	55.4	2.18	71	2.80	x	x	x	
Z23	x				●	●	●	■	●				142	5.59	141.2	5.56	75	2.95	61.6	2.43	77	3.03	x	x	x	
Z25	x					●	●	● ■	●				155	6.10	153.2	6.03	75	2.95	67.8	2.67	83	3.27	x	x	x	
Z27	x						○	○ □	○ □				167	6.57	165.2	6.5	75	2.95	74	2.91	89	3.50		x		x
Z29	x						○	○ □	○ □				179	7.05	177.2	6.98	75	2.95	80.2	3.16	95	3.74		x		x
Z31	x						○	○ □	○ □				192	7.56	198.3	7.81	75	2.95	86.4	3.40	101	3.98		x		x

Bore-size symbols: ● = molded sprocket, double row · ■ = molded sprocket, single row · ○ = machined sprocket, double row · □ = machined sprocket, single row.
Non standard material and color: See uni Material and Color Overview.

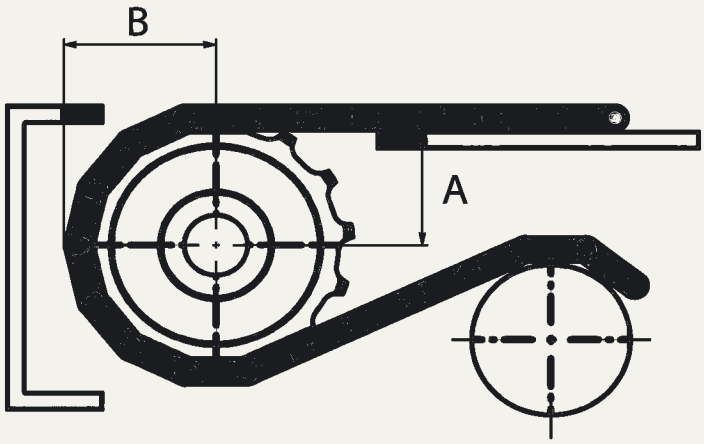

MOLDED SPROCKET


MOLDED SPROCKET

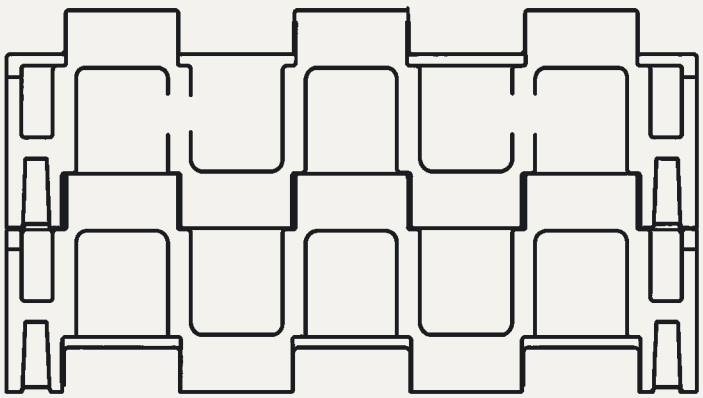

MOLDED SPROCKET


MACHINED SPROCKET


MACHINED SPROCKET



SPROCKET DIMENSIONS A AND B ON THE BELT


UNI SSB K600 – ■ = SINGLE ROW SPROCKET, ● = DOUBLE ROW SPROCKET

MAX. LOAD PER SPROCKET

BELT MATERIAL	POM		PP	
	N	LBF	N	LBF
uni SSB	2000	450	1200	270

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth: 15.0 mm/0.59 in

Width of sprocket: Single row = 42.3 mm (1.67 in); Double row = 42.3 mm (1.67 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

UNI-CHAINS · UNI BLB 18%

UNI BLB 18%

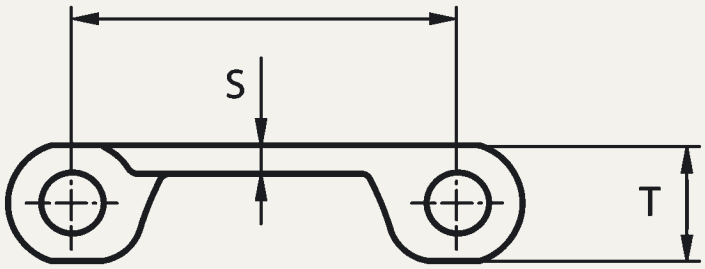
DATASHEET: UNI BLB 18%

PLASTIC MODULAR BELT

Series **uni BLB** Type **18%**



UNI BLB 18% BELT (RUNNING DIRECTION SHOWN)



LINK SECTION: PITCH P, S AND T

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 18%
- Backflex radius: 65.0 mm (2.60 in)
- Pin diameter: 8.0 mm (0.31 in)

BELT, PIN AND LOCK MATERIAL & COLOR

BELT MATERIAL & COLOR	PIN AND LOCK MATERIAL & COLOR
PP-HW LB	SS304 · PP-HW LB

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PP-HW LB

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
S	4.0	0.16	-	-	-

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		***PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP-HW/SS		PP-HW/ PP-HW		PP-HW/SS		PP-HW/PP-HW			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
152	6.0	1005	226	1005	226	1.8	1.20	0.7	0.49	2	2	2
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*
****Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)*
****Example: Belt with 8 rows of reinforcement links, permissible load is 8 × 2500 N (562 lbf) = 20000 N (4496 lbf)*
☐ = Single Link

UNI-CHAINS · UNI BLB 18%

UNI BLB 18%

DATASHEET: UNI BLB 18%

ACCESSORIES - FLIGHT / NON STANDARD

uni MPB Flights in PP-HW LB fits the BLB belt and are available on request.

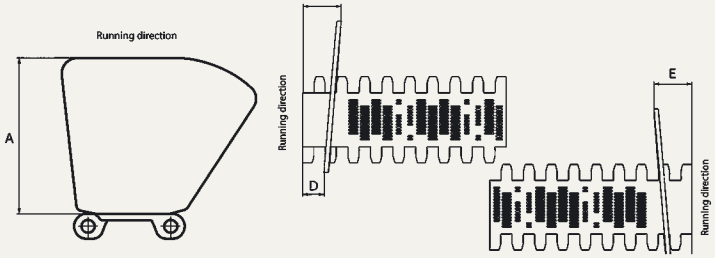
Please see the uni MPB Flight datasheet for more information.



UNI MPB FLIGHT



SIDE GUARD ON UNI BLB BELT



SIDE GUARD DIMENSIONS A, E AND D; RUNNING DIRECTION

SIDE GUARD

TYPE	MATERIAL & COLOR	A		E		D	
		MM	IN	MM	IN	MM	IN
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)

ACCESSORIES - REINFORCEMENT LINK

Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.

Example: If seven rows are installed the max. permissible load of the belt is 7 × 2500 N (562 lbf) = 17500 N (3934 lbf).



REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI BLB 18%

UNI BLB 18%

DATASHEET: UNI BLB 18%

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	● ■	● ■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					○	○	○ □	○ □	□	□		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

Bore-size symbols: ● = molded sprocket, double row · ■ = molded sprocket, single row · ○ = machined sprocket, double row · □ = machined sprocket, single row.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



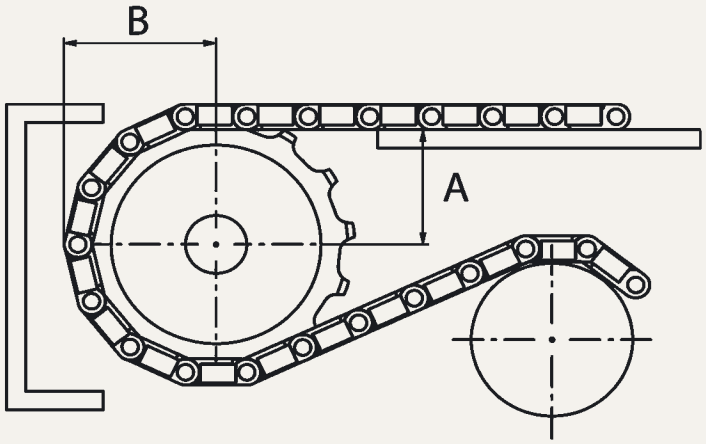
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET DIMENSIONS A AND B ON THE BELT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 9.5 mm (0.37 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.

For more detailed sprocket information, contact Customer Service.

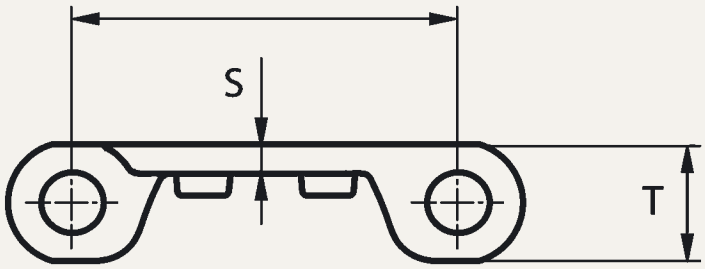
UNI-CHAINS · UNI BLB 22%

UNI BLB 22%

PLASTIC MODULAR BELT – SERIES UNI BLB, TYPE 22%



UNI BLB 22% BELT SURFACE



BELT PROFILE WITH PITCH P, OPENING S AND THICKNESS T

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 65.0 mm (2.60 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIALS

COMPONENT	MATERIAL & COLOR
Belt material & color	PP-HW LB
Pin and lock material & color	SS304 / PP-HW LB

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PP-HW LB

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.8	2.00
S	4.0	0.16
T	16.0	0.63

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		***PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP-HW/SS		PP-HW/PP-HW		PP-HW/SS		PP-HW/PP-HW			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
863	34.0	5696	1280	5696	1280	10.1	6.79	4.1	2.78	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*
****Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)*
****Example: Belt with 8 rows of reinforcement links, permissible load is 8 × 2500 N (562 lbf) = 20000 N (4496 lbf)*

UNI-CHAINS · UNI BLB 22%

UNI BLB 22%

ACCESSORIES: FLIGHT, SIDE GUARD AND REINFORCEMENT LINK



UNI MPB FLIGHT

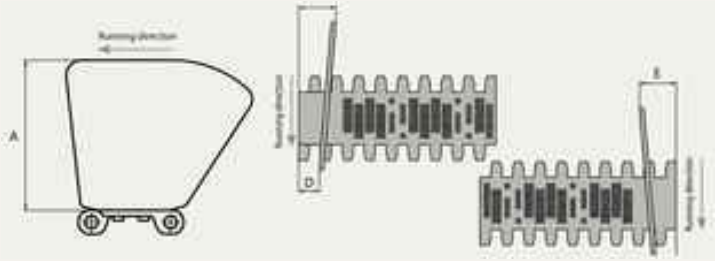
ACCESSORIES - FLIGHT / NON STANDARD

uni MPB Flights in PP-HW LB fits the BLB belt and are available on request.

Please see the uni MPB Flight datasheet for more information.



SIDE GUARD



SIDE GUARD DIMENSIONS A, D AND E, SHOWN WITH RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	A		E		D	
		MM	IN	MM	IN	MM	IN
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)



REINFORCEMENT LINK

ACCESSORIES - REINFORCEMENT LINK

Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.

Example: If seven rows are installed the max. permissible load of the belt is 7 × 2500 N (562 lbf) = 17500 N (3934 lbf).

ACCESSORIES - REINFORCEMENT LINK

UNI-CHAINS · UNI BLB 22%

UNI BLB 22%

SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10											■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x						●	●	●■	●■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12											■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x						○	○	○□	○□	□	□		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

Key: ■ Molded sprocket ● Molded sprocket □ Machined sprocket ○ Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



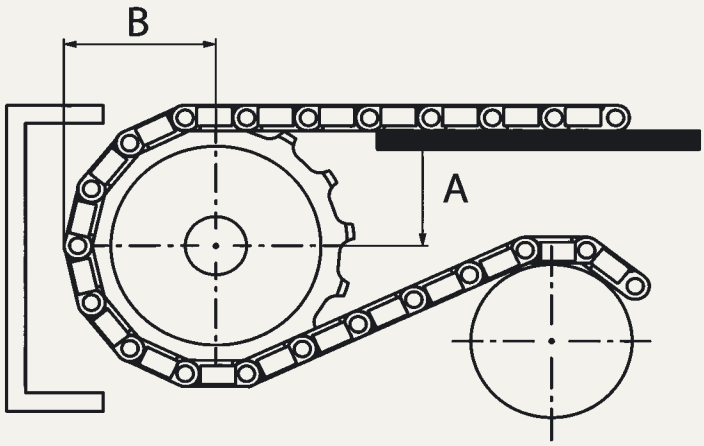
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE BELT

NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 9.5 mm (0.37 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.

For more detailed sprocket information, contact Customer Service.

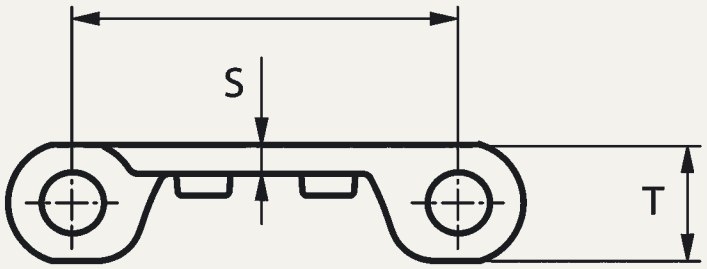
UNI-CHAINS · UNI BLB 38%

UNI BLB 38%

PLASTIC MODULAR BELT – SERIES UNI BLB, TYPE 38%



UNI BLB 38% BELT SURFACE



BELT PROFILE WITH PITCH P, OPENING S AND THICKNESS T

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 38%
- Backflex radius: 65.0 mm (2.60 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIALS

COMPONENT	MATERIAL & COLOR
Belt material & color	PP-HW LB
Pin and lock material & color	SS304 / PP-HW LB

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PP-HW LB

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.8	2.00
S	4.0	0.16
T	16.0	0.63

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		***PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP-HW/SS		PP-HW/PP-HW		PP-HW/SS		PP-HW/PP-HW			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
305	12.0	2013	453	2013	453	3.6	2.40	1.5	0.98	3	3	2
356	14.0	2348	528	2348	528	4.2	2.80	1.7	1.15	3	3	2
406	16.0	2683	603	2683	603	4.8	3.20	2.0	1.31	3	3	2
457	18.0	3017	678	3017	678	5.3	3.59	2.2	1.47	4	4	2
508	20.0	3352	754	3352	754	5.9	3.99	2.4	1.64	4	4	2
559	22.0	3687	829	3687	829	6.5	4.39	2.7	1.80	4	4	2
609	24.0	4022	904	4022	904	7.1	4.79	2.9	1.97	5	5	3
660	26.0	4356	979	4356	979	7.7	5.19	3.2	2.13	5	5	3
711	28.0	4691	1055	4691	1055	8.3	5.59	3.4	2.29	5	5	3
762	30.0	5026	1130	5026	1130	8.9	5.99	3.7	2.46	6	6	3
812	32.0	5361	1205	5361	1205	9.5	6.39	3.9	2.62	6	6	3
863	34.0	5696	1280	5696	1280	10.1	6.79	4.1	2.78	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
1979	77.9	13061	2936	13061	2936	23.2	15.56	9.5	6.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)												
2994	117.9	19760	4442	19760	4442	35.0	23.54	14.4	9.66	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*
****Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf) Example: Belt with 8 rows of reinforcement links,*
****Example: Belt with 8 rows of reinforcement links, permissible load is 8 × 2500 N (562 lbf) = 20000 N (4496 lbf)*

UNI-CHAINS · UNI BLB 38%

UNI BLB 38%

DATASHEET: UNI BLB 38%

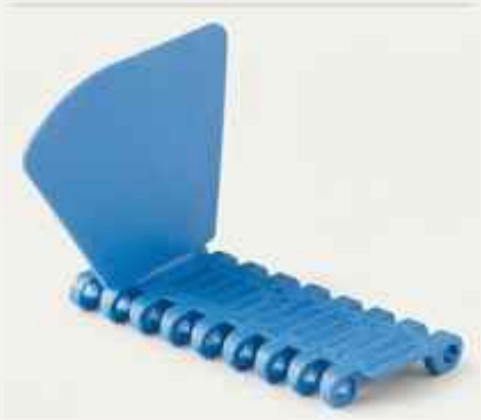
ACCESSORIES - FLIGHT / NON STANDARD

uni MPB Flights in PP-HW **LB** fits the BLB belt and are available on request.

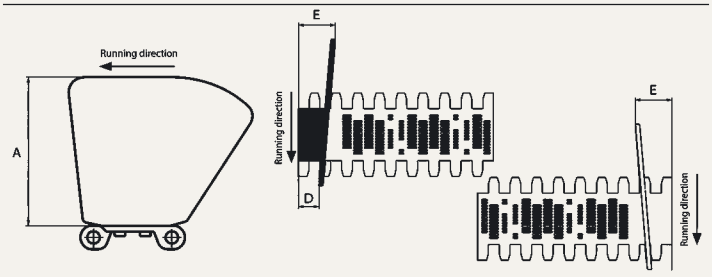
Please see the uni MPB Flight datasheet for more information.



UNI MPB FLIGHT



SIDE GUARD



SIDE GUARD DIMENSIONS A, D AND E RELATIVE TO THE RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	A		E		D	
		MM	IN	MM	IN	MM	IN
Closed	PP-HW LB	101.6	4.00	28.5	1.12	16.0	0.63

Non Standard material and color: See uni Material and Color Overview.
Backflex radius for Side Guard: 200.0 mm (7.90 in)



ACCESSORIES - REINFORCEMENT LINK

Load capacity per row of reinforcement links in the belt. Maximum 19 rows per metre belt width.

Example: If seven rows are installed the max. permissible load of the belt is 7 × 2500 N (562 lbf) = 17500 N (3934 lbf).

UNI-CHAINS · UNI BLB 38%

UNI BLB 38%

DATASHEET: UNI BLB 38%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10											■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x						●	●	●■	●■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12											■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

Bore markers: ● = round bore, ■ = square bore; dark markers = molded sprocket, light markers = machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



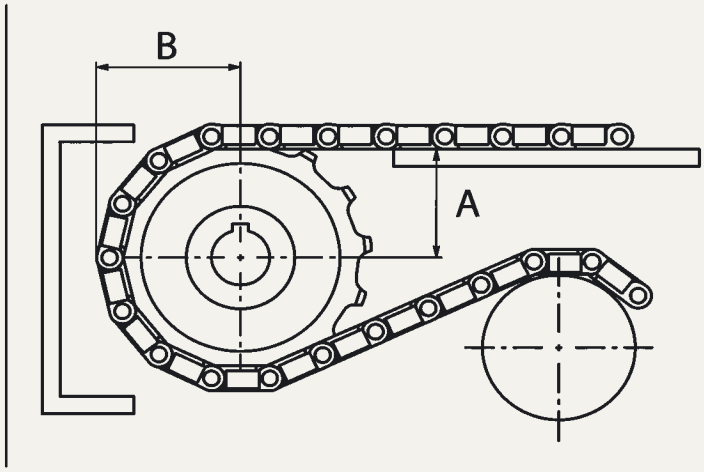
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



SPROCKET A- AND B-DIMENSION IN THE BELT PATH

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 9.5 mm (0.37 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

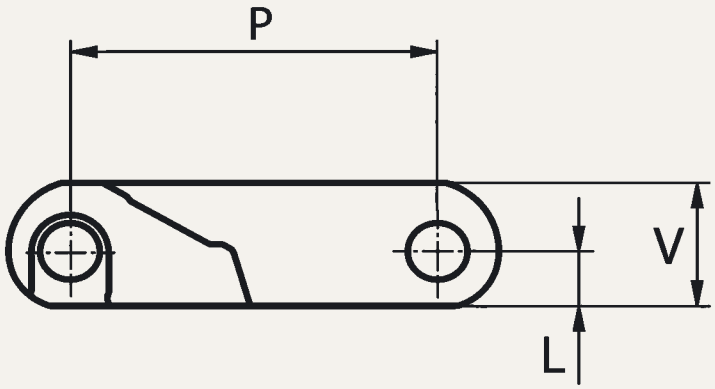
UNI-CHAINS · UNI CPB C

UNI CPB C

DATASHEET: UNI CPB C



UNI CPB C BELT, RUNNING DIRECTION



LINK SECTION SHOWING PITCH P, HEIGHT V AND PIN DIAMETER L

PLASTIC MODULAR BELT - SERIES UNI CPB, TYPE C

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: ø8.0 mm (0.31 in)

BELT AND PIN MATERIAL

COMPONENT	MATERIAL & COLOR
Belt material & color	POM-NLAS K · POM-NL K · PP G
Pin material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.
*Alternative pin and lock materials: Lockpin: PBT **LG***

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.8	2.00
L	8.0	0.31
V	19.0	0.75

BELT WIDTH, TENSILE FORCE, WEIGHT, SPROCKETS AND WEAR STRIPS

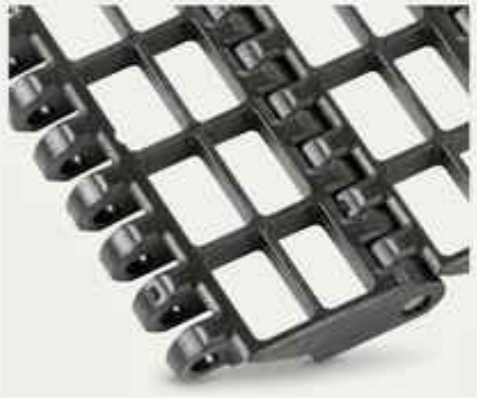
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)												
1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)												
2966	116.8	154232	34671	103810	23336	49.2	33.09	32.9	22.13	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI CPB C

UNI CPB C

DATASHEET: UNI CPB C



RUBBER TOP BELT



FLAT RUBBER TOP – A AND B DIMENSIONS



RIB RUBBER TOP – A, B AND C DIMENSIONS

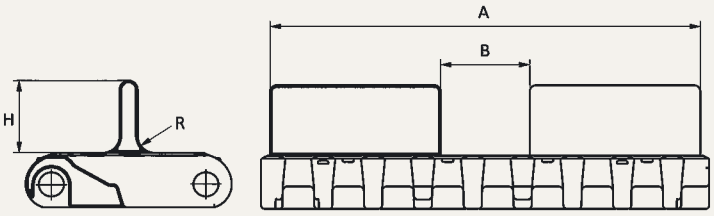
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT



FLIGHT DIMENSIONS H, R, A AND B

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		R		A		B		LINK SIZE	WIDTH		INDENT	
		MM	IN	MM	IN	MM	IN	MM	IN		MM	IN	MM	IN
Flat	POM-NLAS K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES - TOP/BOTTOM INSERT (NON STANDARD)

The thread inserts allow for easy attachment of fixturers to the belt.

Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

UNI-CHAINS · UNI CPB C

UNI CPB C

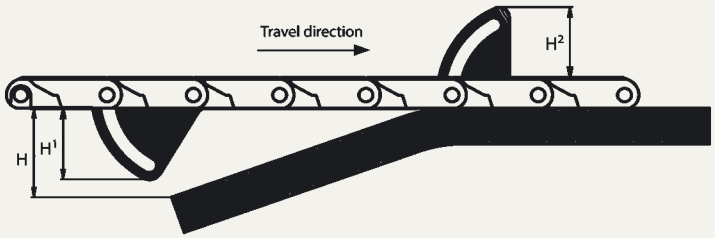
DATASHEET: UNI CPB C

ACCESSORIES

AmFlight



UNI CPB C BELT WITH AMFLIGHT

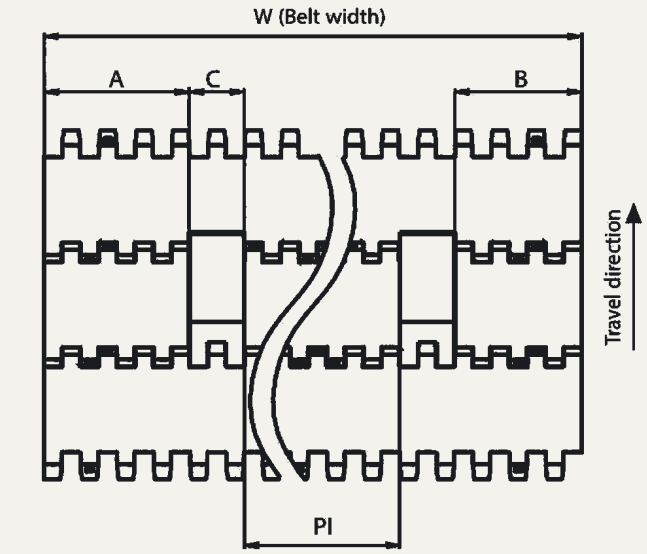


AMFLIGHT SIDE VIEW – TRAVEL DIRECTION, H, H1, H2

AMFLIGHT

TYPE	MATERIAL & COLOR	H		H1		H2	
		MM	IN	MM	IN	MM	IN
Pull	PE W	56.2	1.21	45.0	1.77	45.6	1.80

Other Non Standard option: See uni AmFlight Overview.



AMFLIGHT LAYOUT – W (BELT WIDTH), A, B, C, PI AND TRAVEL DIRECTION

	MM	IN
A min	67.7	2.67
B min	59.3	2.33
C	24.0	0.94
PI max	W - 175.0	W - 6.89
PI min	43.2	1.70

Increment: 17.0 mm (0.70 in.)

UNI-CHAINS · UNI CPB C

UNI CPB C

DATASHEET: UNI CPB C

SPROCKET

NO OF TEETH	BORE SIZE — IN (MM)												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 (19.1)	0.78 (20.0)	0.98 (25.0)	1.00 (25.4)	1.18 (30.0)	1.25 (31.8)	1.50 (38.1)	1.57 (40.0)	2.36 (60.0)	2.50 (63.5)	3.54 (90.0)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Bore availability is shown by the symbols ● and ■, keyed to the sprocket illustrations below; the last Z16 row carries the lighter symbols of the machined sprockets.
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



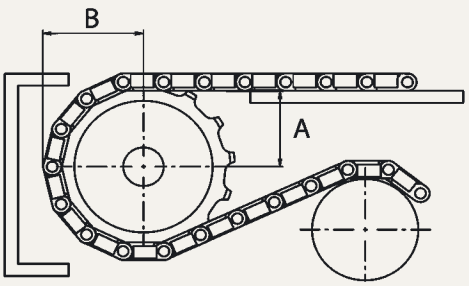
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE BELT



MACHINED SPROCKET



MACHINED SPROCKET

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

UNI-CHAINS · UNI CPB ROUGH EMBEDDED

UNI CPB ROUGH EMBEDDED

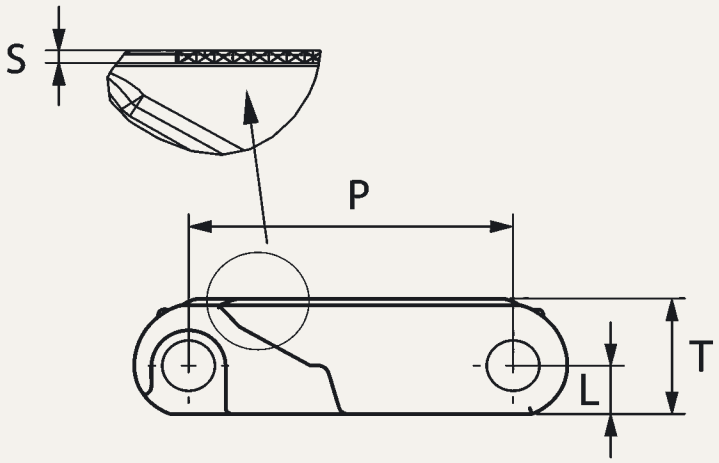
DATASHEET: UNI CPB ROUGH EMBEDDED

PLASTIC MODULAR BELT

Series **uni CPB** — Type **Rough Embedded**



UNI CPB ROUGH EMBEDDED BELT, RUNNING DIRECTION



BELT CROSS SECTION – S, P AND T, DETAIL A / DETAIL B (SCALE 2:1)

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough Embedded
- Surface opening: 0%
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: 8.0 mm (0.31 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM-DI UV – O, W PP UV – W
Pin and lock material & color	PBT-GR – N PA6.6 – N

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	S	1.0	0.04
L	8.0	0.31	T	18.0	0.71

STRAIGHT RUNNING - BELT WIDTH DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-DI UV/PBT-GR		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP UV/PBT-GR		BELT WEIGHT (BELT/PIN MATERIAL) POM-DI UV/PBT-GR		BELT WEIGHT (BELT/PIN MATERIAL) PP UV/PBT-GR		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.) **CARRY (PCS)	NUMBER OF WEAR STRIPS (MIN. NO.) **RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN)												
1961	77.2	101972	22923	68635	15429	32.6	21.88	21.8	14.63	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN)												

UNI-CHAINS · UNI CPB ROUGH EMBEDDED

UNI CPB ROUGH EMBEDDED

DATASHEET: UNI CPB ROUGH EMBEDDED

ACCESSORIES

Rubber Top



UNI CPB ROUGH EMBEDDED WITH RUBBER TOP



RUBBER TOP – BELT SECTION AND SIDE VIEW SHOWING H

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	H		LINK SIZE	WIDTH	
			MM	IN		MM	IN
Dome	PPI/UV W	03K K	4.0	0.16	K600	150.5	5.93

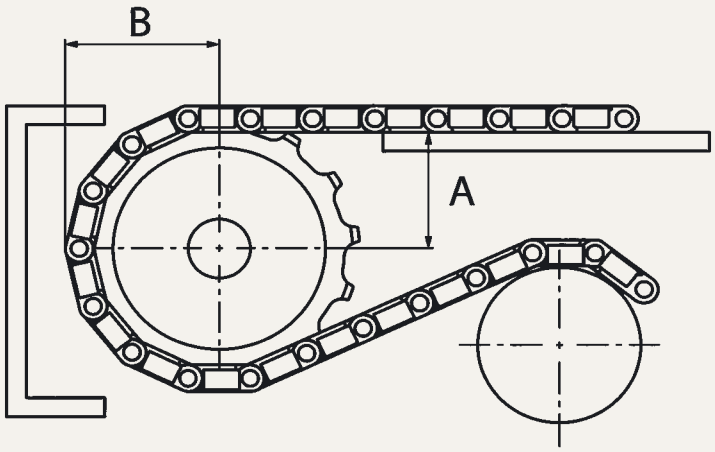
SPROCKET

NO OF TEETH	BORE SIZE — IN (MM)				OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	1.57 (40.0)	2.36 (60.0)	2.50 (63.5)	3.54 (90.0)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z16		■		■	263.8	10.39	260.4	10.25	160	6.29	119.7	4.71	138.7	5.46		x	x	

Bore availability is shown by the symbol ■, keyed to the molded sprocket illustration below.
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE BELT

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth = 9.5 mm (0.37 in)
- Width of sprocket = 40.8.0 mm (1.60 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.

For more detailed sprocket information, contact Customer Service.

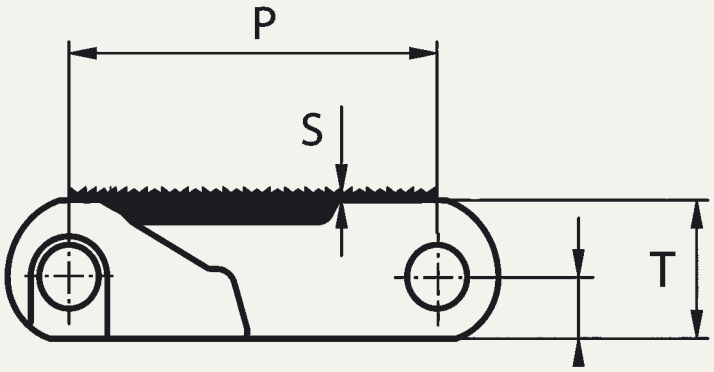
UNI-CHAINS · UNI CPB 20% ROUGH

UNI CPB 20% ROUGH

PLASTIC MODULAR BELT – SERIES UNI CPB, TYPE 20% ROUGH



UNI CPB 20% ROUGH BELT, RUNNING DIRECTION



BELT SECTION: P, S, L, T

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough Top
- Surface opening: 20%
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIAL & COLOR

Belt material & color	POM-NLAS K	POM-NL K
Pin material & color	PA6.6 N	

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	S	1.0	0.04
L	8.0	0.31	T	18.0	0.71

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-NLAS / PA6.6 POM-NL / PA6.6		BELT WEIGHT (BELT/PIN MATERIAL) POM-NLAS / PA6.6 POM-NL / PA6.6		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)								
1961	77.2	101972	22923	32.6	21.88	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)								
2966	116.8	154232	34671	49.2	33.09	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-NLAS 2500 N (560 lbf), POM-NL 2500 N (560 lbf), PP 2500 N (560 lbf)*

UNI-CHAINS · UNI CPB 20% ROUGH

UNI CPB 20% ROUGH

ACCESSORIES: RUBBER TOP AND FLIGHT



RUBBER TOP BELT



FLAT – RUBBER PROFILE, DIMENSION A



RIB – RUBBER PROFILE, DIMENSIONS A AND C

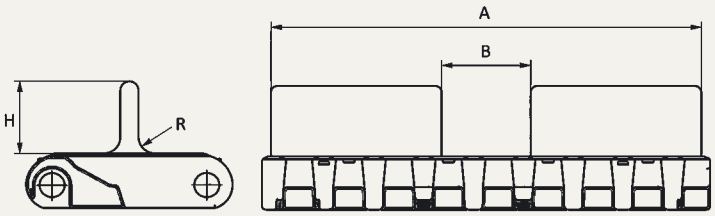
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat / Rib	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT



FLIGHT DIMENSIONS H, R, A AND B

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		R		A		B		LINK SIZE	WIDTH		INDENT	
		MM	IN	MM	IN	MM	IN	MM	IN		MM	IN	MM	IN
Flat	POM-NLAS K	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI CPB 20% ROUGH

UNI CPB 20% ROUGH

ACCESSORIES: TOP/BOTTOM INSERT AND NON STANDARD UNI AMFLIGHT

ACCESSORIES - TOP/BOTTOM INSERT NON STANDARD

The thread inserts allow for easy attachment of fixturers to the belt.

Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.



TOP/BOTTOM INSERT (NON STANDARD)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.



PRINCIPLE SKETCH – TRAVEL DIRECTION

UNI-CHAINS · UNI CPB 20% ROUGH

UNI CPB 20% ROUGH

SPROCKETS: BORE SIZES, DIMENSIONS AND VERSIONS

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

The ■ and ● symbols in the Bore size columns refer to the sprocket illustrations below; solid symbols mark molded sprockets, the pale symbols on the last Z16 row mark the machined sprocket.
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



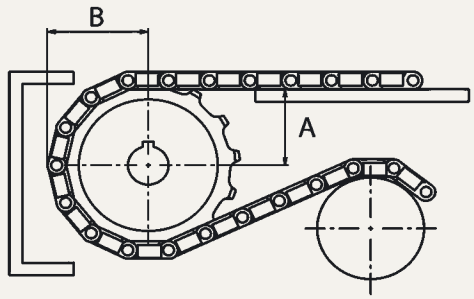
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



A- AND B-DIMENSION OF THE SPROCKET



■ MACHINED SPROCKET



● MACHINED SPROCKET

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in) / Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in) / Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

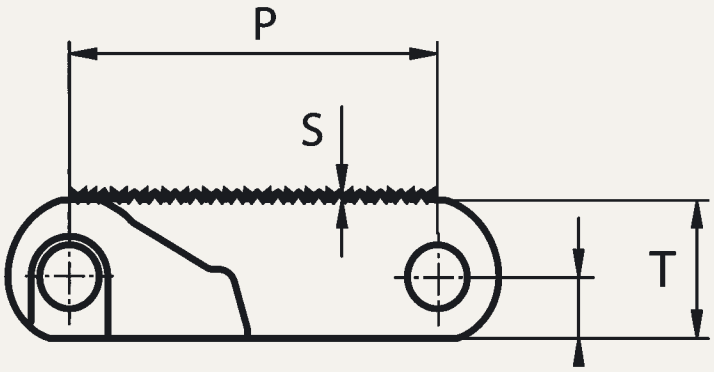
UNI-CHAINS · UNI CPB C ROUGH

UNI CPB C ROUGH

PLASTIC MODULAR BELT – SERIES UNI CPB, TYPE ROUGH



UNI CPB ROUGH TOP BELT, RUNNING DIRECTION



BELT CROSS-SECTION – P, S, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIALS

	MATERIAL & COLOR	
Belt material & color	POM-NLAS (K)	POM-NL (K)
Pin material & color	PA6.6 (N)	

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT (LG)

DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.8	2.00
L	8.0	0.31
S	1.0	0.04
T	18.0	0.71

BELT WIDTHS, TENSILE FORCE AND WEIGHT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-NLAS / PA6.6 · POM-NL / PA6.6		BELT WEIGHT (BELT/PIN MATERIAL) POM-NLAS / PA6.6 · POM-NL / PA6.6		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
151	5.9	7852	1765	2.5	1.68	2	2	2
202	8.0	10504	2361	3.4	2.25	2	2	2
252	9.9	13104	2946	4.2	2.81	2	2	2
302	11.9	15704	3530	5.0	3.37	3	3	2
352	13.9	18304	4115	5.8	3.93	3	3	2
403	15.9	20956	4711	6.7	4.50	3	3	2
453	17.8	23556	5295	7.5	5.05	4	4	2
503	19.8	26156	5880	8.3	5.61	4	4	2
553	21.8	28756	6464	9.2	6.17	4	4	2
604	23.8	31408	7061	10.0	6.74	5	5	3
654	25.7	34008	7645	10.9	7.30	5	5	3
704	27.7	36608	8229	11.7	7.85	5	5	3
754	29.7	39208	8814	12.5	8.41	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)								
1961	77.2	101972	22923	32.6	21.88	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)								
2966	116.8	154232	34671	49.2	33.09	20	20	10

UNI-CHAINS · UNI CPB C ROUGH

UNI CPB C ROUGH

ACCESSORIES: RUBBER TOP AND FLIGHT



RUBBER TOP LINKS



FLAT



RIB

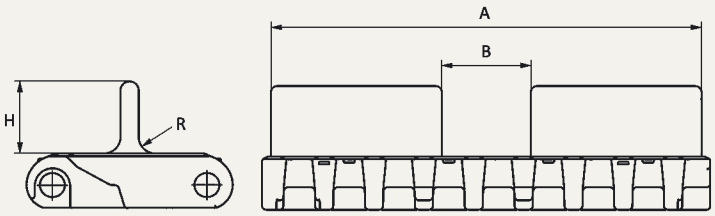
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat / Rib	POM-NL (K)	09 (K)	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT ON UNI CPB BELT



FLIGHT DIMENSIONS – H, R, A, B

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		R		A		B		LINK SIZE	WIDTH		INDENT	
		MM	IN	MM	IN	MM	IN	MM	IN		MM	IN	MM	IN
Flat	POM-NLAS (K)	25.0	0.98	5.5	0.22	145.0	5.70	30.0	1.18	K600	150.5	5.93	2.8	0.11

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI CPB C ROUGH

UNI CPB C ROUGH

ACCESSORIES: TOP/BOTTOM INSERT AND UNI AMFLIGHT

ACCESSORIES - TOP/BOTTOM INSERT (NON STANDARD)

The thread inserts allow for easy attachment of fixturers to the belt.

Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.



THREAD

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.



PRINCIPLE SKETCH – TRAVEL DIRECTION

UNI-CHAINS · UNI CPB C ROUGH

UNI CPB C ROUGH

SPROCKET DATA

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
	PILOT BORE	19.1 MM (0.75 IN)	20.0 MM (0.78 IN)	25.0 MM (0.98 IN)	25.4 MM (1.00 IN)	30.0 MM (1.18 IN)	31.8 MM (1.25 IN)	38.1 MM (1.50 IN)	40.0 MM (1.57 IN)	60.0 MM (2.36 IN)	63.5 MM (2.50 IN)	90.0 MM (3.54 IN)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

■ / ● = Molded sprocket; grey symbols = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■)



MOLDED SPROCKET (●)



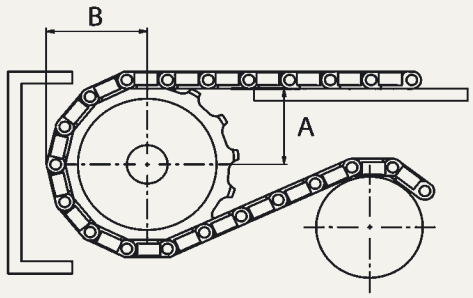
MOLDED SPROCKET (■)



MOLDED SPROCKET (●)



MOLDED SPROCKET (■)



A AND B DIMENSIONS ON THE SPROCKET/BELT LAYOUT



MACHINED SPROCKET



MACHINED SPROCKET

NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)
- Max load per sprocket shown does not take bore size into account.
- Please also ensure that sufficient size shaft is chosen for corresponding load.

UNI-CHAINS · UNI CPB M2 C

UNI CPB M2 C

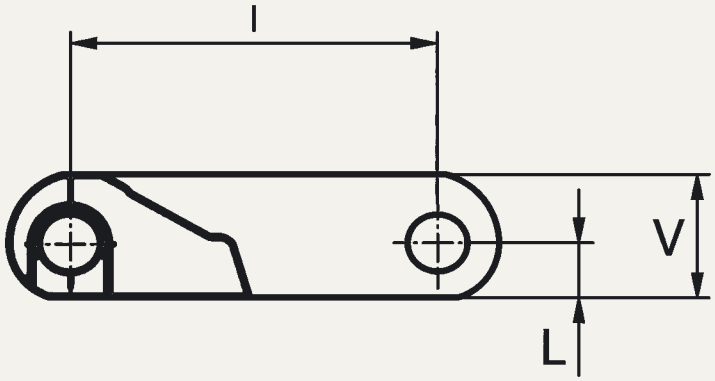
DATASHEET: UNI CPB M2 C

PLASTIC MODULAR BELT

Series **uni CPB** Type **M2 C**



UNI CPB M2 C BELT – RUNNING DIRECTION



BELT LINK DIMENSIONS P, V AND L

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIALS

	MATERIAL & COLOR
Recommended Belt material & color	POM-NLAS K
Recommended Pin material & color	PA6.6 N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	V	19.0	0.75
L	8.0	0.31	-	-	-

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG, SS420

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT

UNI-CHAINS · UNI CPB M2 C

UNI CPB M2 C

DATASHEET: UNI CPB M2 C

ACCESSORIES

Rubber Top



RUBBER TOP BELT



FLAT – RUBBER TOP PROFILE, DIMENSIONS A AND B



RIB – RUBBER TOP PROFILE, DIMENSIONS A, B AND C

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat Rib	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES

Top/Bottom Insert



THREAD

The thread inserts allow for easy attachment of fixturers to the belt.

Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

UNI-CHAINS · UNI CPB M2 C

UNI CPB M2 C

DATASHEET: UNI CPB M2 C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	MOLDED PA6 LG	MACHINED PA6 N
		IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54														
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

■ = square bore, ● = round bore. Dark markers = molded sprocket, light markers = machined sprocket.
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



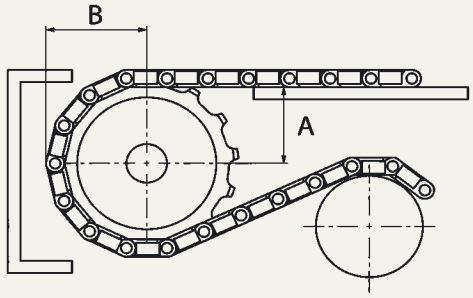
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



SPROCKET A- AND B-DIMENSIONS ON THE BELT



■ MACHINED SPROCKET



● MACHINED SPROCKET

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI CPB M2 ROUGH

UNI CPB M2 ROUGH

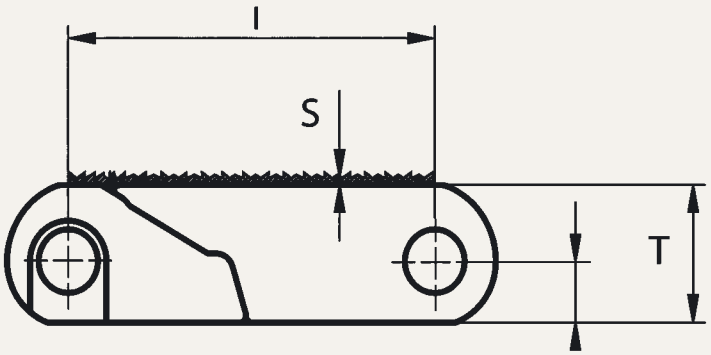
DATASHEET: UNI CPB M2 ROUGH

PLASTIC MODULAR BELT

Series **uni CPB** Type **M2 Rough**



UNI CPB M2 ROUGH BELT – RUNNING DIRECTION



BELT LINK DIMENSIONS P, S, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 85.0 mm (3.30 in)
- Pin diameter: ø8.0 mm (0.31 in)

MATERIALS

	MATERIAL & COLOR
Recommended Belt material & color	POM-NLAS K
Recommended Pin material & color	PA6.6 N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	S	1.0	0.04
L	8.0	0.31	T	19.0	0.71

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Lockpin: PBT LG, SS420

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6		POM-NLAS / PA6.6 POM-NL / PA6.6		PP/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	7852	1765	5285	1188	2.5	1.68	1.7	1.13	2	2	2
202	8.0	10504	2361	7070	1589	3.4	2.25	2.2	1.51	2	2	2
252	9.9	13104	2946	8820	1983	4.2	2.81	2.8	1.88	2	2	2
302	11.9	15704	3530	10570	2376	5.0	3.37	3.4	2.25	3	3	2
352	13.9	18304	4115	12320	2770	5.8	3.93	3.9	2.63	3	3	2
403	15.9	20956	4711	14105	3171	6.7	4.50	4.5	3.01	3	3	2
453	17.8	23556	5295	15855	3564	7.5	5.05	5.0	3.38	4	4	2
503	19.8	26156	5880	17605	3958	8.3	5.61	5.6	3.75	4	4	2
553	21.8	28756	6464	19355	4351	9.2	6.17	6.1	4.13	4	4	2
604	23.8	31408	7061	21140	4752	10.0	6.74	6.7	4.51	5	5	3
654	25.7	34008	7645	22890	5146	10.9	7.30	7.3	4.88	5	5	3
704	27.7	36608	8229	24640	5539	11.7	7.85	7.8	5.25	5	5	3
754	29.7	39208	8814	26390	5932	12.5	8.41	8.4	5.62	6	6	3

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF MM 16.8 (0.66 IN.)

UNI-CHAINS · UNI CPB M2 ROUGH

UNI CPB M2 ROUGH

DATASHEET: UNI CPB M2 ROUGH

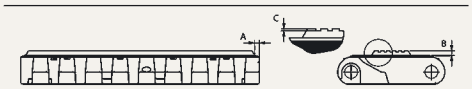
ACCESSORIES - RUBBER TOP



RUBBER TOP ON BELT



FLAT – A AND B DIMENSIONS



RIB – A, B AND C DIMENSIONS

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	POM-NL K	09 K	2.5	0.09	3.0	0.12	0.7	0.02	K600	150.5	5.93
Rib											

The color of standard rubber material is black. However, as it is hardly possible to see black rubber on black links, the links are illustrated with rubber in color natural. Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES - TOP/BOTTOM INSERT



THREAD

The thread inserts allow for easy attachment of fixturers to the belt. Available insert size M5.

Depending on the size and shape of the attachment, attention should be paid as to how it will influence on the backflex radius of the belt.

UNI-CHAINS · UNI CPB M2 ROUGH

UNI CPB M2 ROUGH

DATASHEET: UNI CPB M2 ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



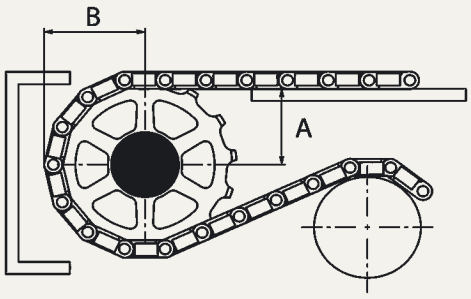
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



SPROCKET A- AND B-DIMENSIONS



■ MACHINED SPROCKET



● MACHINED SPROCKET

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CPB.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI CSB 8% ROUGH

UNI CSB 8% ROUGH

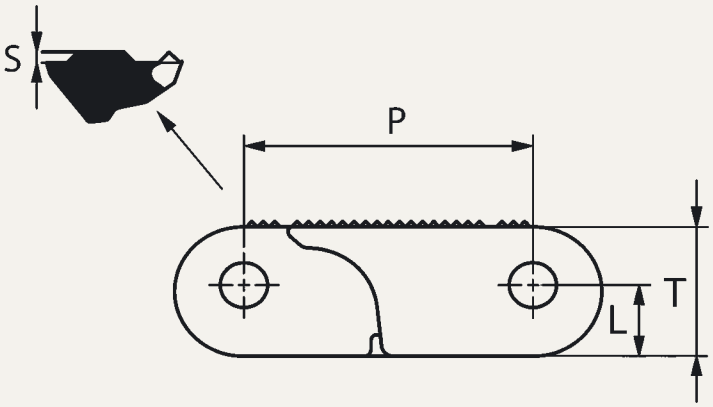
DATASHEET: UNI CSB 8% ROUGH

PLASTIC MODULAR BELT

Series: **uni CSB** Type: **8 % Rough**



UNI CSB 8% ROUGH BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L, S

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough (R11)
- Surface opening: 8%
- Backflex radius: 100 mm (3.94 in)
- Pin diameter: 8.0 mm (0.31 in)

RECOMMENDED MATERIALS

Belt material & color	POM NLAS K	POX FR EG	PP DG
Pin and lock material & color	PA6.6 N	PP O	

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	24.0	0.94
L	13.2	0.52	S	1.0	0.04

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yello edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock material: SS420 · PA6.6 N

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)								*** BELT WEIGHT (BELT/PIN MATERIAL)				MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
		POM NLAS/PA66 POX-FR/PA66		POM NLAS/SS POX-FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	13725	3085	15250	3428	7625	1714	7625	1714	2.9	1.92	1.8	1.24	2	2	2
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.7	3.83	3.7	2.48	3	3	2
458	18.0	41177	9257	45753	10285	22876	5143	22876	5143	8.6	5.75	5.5	3.72	4	4	2
610	24.0	54905	12343	61005	13714	30503	6857	30503	6857	11.4	7.67	7.4	4.96	5	5	3
763	30.0	68632	15429	76258	17143	38129	8571	38129	8571	14.3	9.58	9.2	6.20	6	6	3
915	36.0	82360	18514	91511	20572	45755	10286	45755	10286	17.1	11.50	11.1	7.44	7	7	4
1068	42.0	96087	21600	106764	24000	53382	12000	53382	12000	20.0	13.42	12.9	8.68	8	8	4
1220	48.0	109815	24686	122016	27429	61008	13715	61008	13715	22.8	15.33	14.8	9.92	9	9	5
1373	54.0	123542	27772	137269	30858	68634	15429	68634	15429	25.7	17.25	16.6	11.16	10	10	5
1525	60.0	137269	30858	152522	34287	76261	17143	76261	17143	28.5	19.17	18.5	12.40	11	11	6
1678	66.1	150997	33944	167774	37716	83887	18858	83887	18858	31.4	21.08	20.3	13.64	12	12	6
1830	72.1	164724	37030	183027	41144	91514	20572	91514	20572	34.2	23.00	22.1	14.88	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN)																
2898	114.1	260820	58632	289800	65147	144900	32574	144900	32574	54.2	36.42	35.1	23.57	20	20	10
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN)																

UNI-CHAINS · UNI CSB 8% ROUGH

UNI CSB 8% ROUGH

DATASHEET: UNI CSB 8% ROUGH

ACCESSORIES - TOP/BOTTOM INSERT



BELT WITHOUT INSERTS



WHEEL PLATE INSERTS



BELT WITH WHEEL PLATE INSERTS – PHOTO SHOWS BOTTOM OF THE BELT

TOP/BOTTOM INSERT

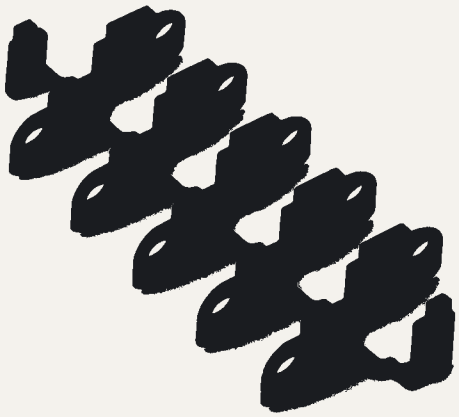
TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Wheel Plate	POM DK O	4.7	0.97

Contact area/wear surface of belt will incease from 24% to 47% by the use of inserts.

ACCESSORIES - TOP/BOTTOM INSERT



BELT WITHOUT INSERTS



ELECTRICAL CONDUCTIVE INSERTS



BELT WITH ELECTRICAL CONDUCTIVE INSERTS – EC GRIP SURFACE LOCATED ABOVE THE BELT SURFACE TO ENSURE ELECTRICAL DISCHARGE

TOP/BOTTOM INSERT

TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Electrical Conductive	POX FREC K	5.3	1.09

UNI-CHAINS · UNI CSB 8% ROUGH

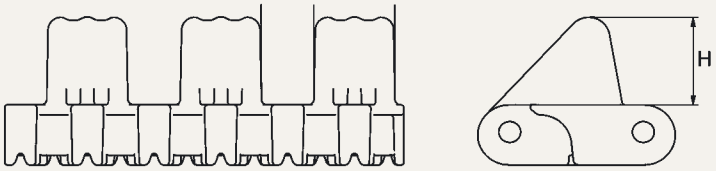
UNI CSB 8% ROUGH

DATASHEET: ACCESSORIES – FLIGHT

ACCESSORIES - FLIGHT



CAR PUSHER FLIGHT ON UNI CSB 8% ROUGH BELT



FLIGHT DIMENSIONS A, B AND H

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	A		B		H		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN		MM	IN
Car pusher	POM NL O	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

Backflex radius when flights are used: 200 mm (7.87 in).

UNI-CHAINS · UNI CSB 8% ROUGH

UNI CSB 8% ROUGH

DATASHEET: SPROCKETS

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE					OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		*A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		1.57 IN (40.0 MM)	2.36 IN (60.0 MM)	2.50 IN (63.5 MM)	3.54 IN (90.0 MM)	3.54 IN (120.0 MM)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z12	x		■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31	x	x		
Z16	x		□		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57	x	x	x	

■ *Molded sprocket* □ *Machined sprocket*

**A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).*

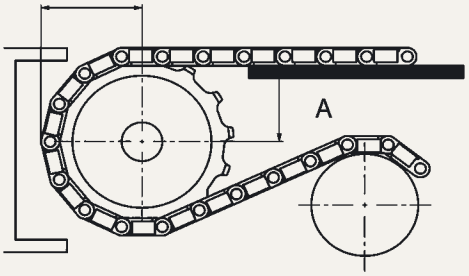
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



SPROCKET POSITION SHOWING A- AND B-DIMENSION

- Other sprocket sizes are available upon request.
- Two-part sprockets are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of single tooth = 10.0 mm (0.39 in)
- Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB. For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI CSB C

UNI CSB C

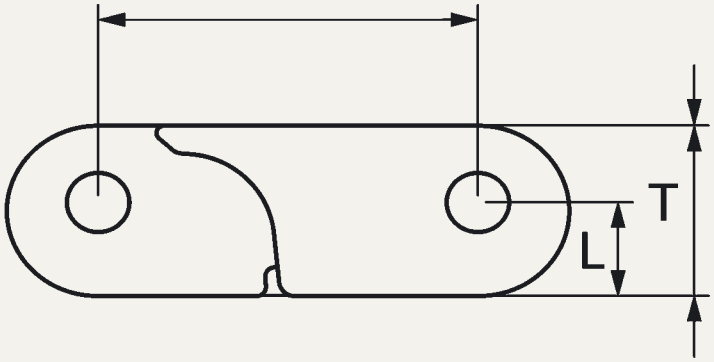
DATASHEET: UNI CSB C

PLASTIC MODULAR BELT

Series: **uni CSB** · Type: **C**



UNI CSB C BELT, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 100 mm (3.94 in)
- Pin diameter: 8.0 mm (0.31 in)

MATERIALS

Belt material & color	POM NLAS K	*POM NL K
Pin and lock material & color	PA6.6 N PP O	* PA6.6 N

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock material: SS420 PA6.6 N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	24.0	0.94
L	13.2	0.52			

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)				**MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
		POM NLAS/PA66		POM NLAS/SS		POM NL/PA66		POM NLAS/PA66 POM NL/PA66		POM NLAS/SS			***CARRY (PCS)	***RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
*102	4.0	-	-	-	-	9180	2064	1.9	1.28	-	-	2	2	2
153	6.0	13770	3095	15300	3439	-	-	2.9	1.92	3.9	2.61	2	2	2
305	12.0	27450	6171	30500	6856	-	-	5.7	3.83	7.7	5.21	3	3	2
458	18.0	41220	9266	45800	10296	-	-	8.6	5.76	11.6	7.82	4	4	2
610	24.0	54900	12342	61000	13713	-	-	11.4	7.67	15.5	10.41	5	5	3
763	30.0	68670	15437	76300	17152	-	-	14.3	9.59	19.4	13.02	6	6	3
915	36.0	82350	18512	91500	20569	-	-	17.1	11.50	23.2	15.62	7	7	4
1068	42.0	96120	21608	106800	24009	-	-	20.0	13.42	27.1	18.23	8	8	4
1220	48.0	109800	24683	122000	27426	-	-	22.8	15.33	31.0	20.83	9	9	5
1373	54.1	123570	27779	137300	30865	-	-	25.7	17.25	34.9	23.44	10	10	5
1525	60.0	137250	30854	152500	34282	-	-	28.5	19.17	38.7	26.03	11	11	6
1678	66.1	151020	33949	167800	37721	-	-	31.4	21.09	42.6	28.64	12	12	6
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).														
2898	114.1	260820	58632	289800	65147	-	-	54.2	36.42	73.6	49.47	20	20	10
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN).														
4880	192.1	439200	98732	488000	109702	-	-	91.3	61.33	124.0	83.30	33	33	17

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
***Max. Load per Drive Sprocket. Belt material: NLAS 6000 N (1349 lbf).*

UNI-CHAINS · UNI CSB C

UNI CSB C

DATASHEET: ACCESSORIES – TOP/BOTTOM INSERTS

ACCESSORIES - TOP/BOTTOM INSERT



UNI CSB C BELT



WHEEL PLATE INSERTS



BELT WITH WHEEL PLATE INSERTS – PHOTO SHOWS BOTTOM OF THE BELT

TOP/BOTTOM INSERT

TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Wheel Plate	POM DK O	4.7	0.97

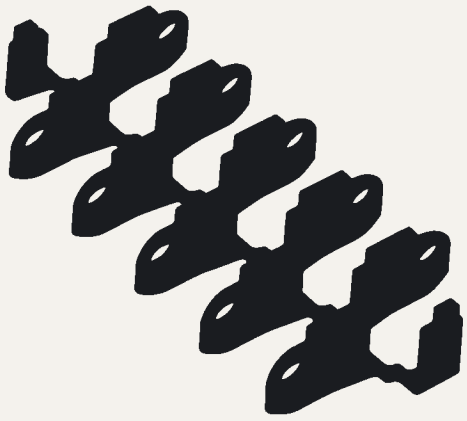
Contact area/wear surface of belt will incease from 24% to 47% by the use of inserts.

ACCESSORIES - TOP/BOTTOM INSERT

EC insert in uni CSB 8% Rough type can be build in to uni CSB C to create an electrical conductive belt.



UNI CSB C BELT



ELECTRICAL CONDUCTIVE INSERTS



BELT WITH EC INSERTS – EC GRIP SURFACE LOCATED ABOVE THE BELT SURFACE TO ENSURE ELECTRICAL DISCHARGE

TOP/BOTTOM INSERT

TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Electrical Conductive	POX-FREC K	5.3	1.09

Contact area/wear surface of belt will incease from 24% to 47% by the use of inserts.
POX-FREC holds a surface resistivity of 1×10^3 Ohm according to IEC 60093/ASTM D257.

UNI-CHAINS · UNI CSB C

UNI CSB C

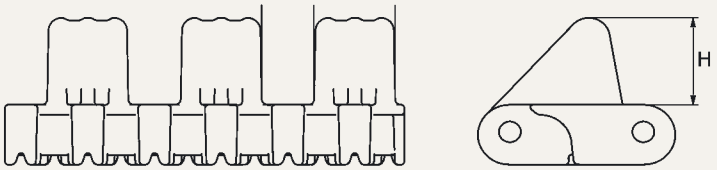
DATASHEET: UNI CSB C

ACCESSORIES

Flight



UNI CSB C BELT WITH CAR PUSHER FLIGHTS



FLIGHT DIMENSIONS A, B AND H

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	A		B		H		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN		MM	IN
Car pusher	POM NL O	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

Backflex radius when flights are used: 200 mm (7.87 in).

UNI-CHAINS · UNI CSB C

UNI CSB C

DATASHEET: UNI CSB C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	1.57	2.36	2.50	3.54	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		*A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		MM	40.0	60.0	63.5	90.0	120.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z12	x			■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31	x	x		
Z16	x			□		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57	x	x	x	

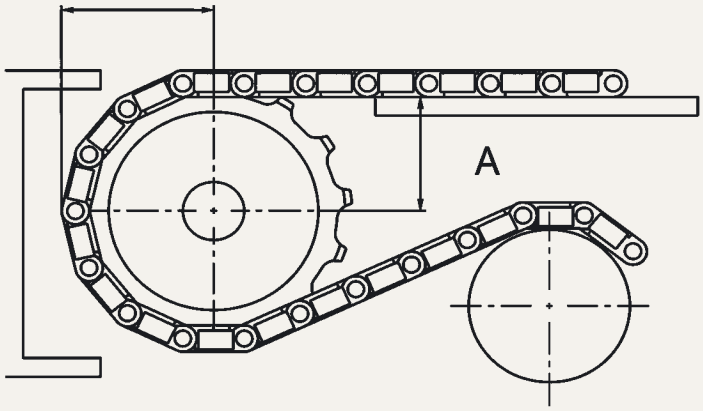
**A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).*
■ = Molded sprocket □ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprockets are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of single tooth = 10.0 mm (0.39 in)
- Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB. For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI CSB ROUGH

UNI CSB ROUGH

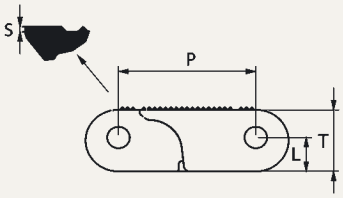
DATASHEET: UNI CSB ROUGH

PLASTIC MODULAR BELT

Series **uni CSB** Type **Rough**



UNI CSB ROUGH BELT, RUNNING DIRECTION



LINK SECTION – P, L, T AND S DIMENSIONS

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Rough (R11)
- Surface opening: Closed
- Backflex radius: 100 mm (3.94 in)
- Pin diameter: 8.0 mm (0.31 in)

MATERIAL & COLOR

	STANDARD MATERIAL & COLOR
Belt material & color	POM NLAS (K) POX-FR (EG) PP (DG)
Pin and lock material & color	PA6.6 (N) PP (O)

Non standard material and color: See uni Material and Color Overview.
Safety edges with orange or yellow edge links mounted on alternating pitches along both belt edges are optional.
Alternative pin and lock material: SS420 PA6.6 (N)

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	24.0	0.94
L	13.2	0.52	S	1.0	0.04

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)								***BELT WEIGHT (BELT/PIN MATERIAL)				MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
		POM NLAS/PA66 POX-FR/PA66		POM NLAS/SS POX-FR/SS		PP/PA66		PP/SS		POM NLAS/PA66		PP/PA66			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	13725	3085	15250	3428	7625	1714	7625	1714	2.9	1.92	1.8	1.24	2	2	2
305	12.0	27450	6171	30500	6856	15250	3428	15250	3428	5.7	3.83	3.7	2.48	3	3	2
458	18.0	41177	9257	45753	10285	22876	5143	22876	5143	8.6	5.75	5.5	3.72	4	4	2
610	24.0	54905	12343	61005	13714	30503	6857	30503	6857	11.4	7.67	7.4	4.96	5	5	3
763	30.0	68632	15429	76258	17143	38129	8571	38129	8571	14.3	9.58	9.2	6.20	6	6	3
915	36.0	82360	18514	91511	20572	45755	10286	45755	10286	17.1	11.50	11.1	7.44	7	7	4
1068	42.0	96087	21600	106764	24000	53382	12000	53382	12000	20.0	13.42	12.9	8.68	8	8	4
1220	48.0	109815	24686	122016	27429	61008	13715	61008	13715	22.8	15.33	14.8	9.92	9	9	5
1373	54.0	123542	27772	137269	30858	68634	15429	68634	15429	25.7	17.25	16.6	11.16	10	10	5
1525	60.0	137269	30858	152522	34287	76261	17143	76261	17143	28.5	19.17	18.5	12.40	11	11	6
1678	66.1	150997	33944	167774	37716	83887	18858	83887	18858	31.4	21.08	20.3	13.64	12	12	6
1830	72.1	164724	37030	183027	41144	91514	20572	91514	20572	34.2	23.00	22.1	14.88	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN)																
2898	114.1	260820	58632	289800	65147	144900	32574	144900	32574	54.2	36.42	35.1	23.57	20	20	10
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 152.5 MM (6.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.4 MM (1.00 IN)																
3965	156.1	356850	80220	396500	89133	198250	44567	198250	44567	74.1	49.83	48.0	32.24	27	27	14

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
Belt widths in POX FR is 1.0 % wider than the belt widths in the table above.
**Max. Load per Drive Sprocket. Belt material: NLAS 6000 N (1349 lbf). PP 4000 N (899 lbf). POX FR 6000 N (1349 lbf)*
***Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*
****The weight of the belt with SS pins is 6.7 kg/m² (0.42 lb/ft²) higher than with PA66 pins.*
****The weight in POX FR is approximately 12 % lower than the weight of NLAS.*
☐ = Single Link

UNI-CHAINS · UNI CSB ROUGH

UNI CSB ROUGH

DATASHEET: UNI CSB ROUGH

ACCESSORIES

Top/Bottom Insert



UNI CSB ROUGH BELT



WHEEL PLATE INSERT



BELT WITH WHEEL PLATE INSERTS – PHOTO SHOWS BOTTOM OF THE BELT

TOP/BOTTOM INSERT

TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Wheel Plate	POM DK 0	4.7	0.97

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.

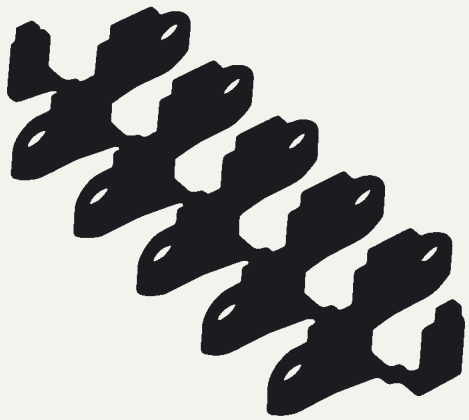
ACCESSORIES

Top/Bottom Insert

EC insert in uni CSB 8% Rough type can be built in to uni CSB Rough to create an electrical conductive belt.



UNI CSB ROUGH BELT



ELECTRICAL CONDUCTIVE INSERT



EC GRIP SURFACE LOCATED ABOVE THE BELT SURFACE TO ENSURE ELECTRICAL DISCHARGE

TOP/BOTTOM INSERT

TYPE	INSERT MATERIAL & COLOR	WEIGHT	
		KG/M²	LB/FT²
Electrical Conductive	POX-FREC K	5.3	1.09

Contact area/wear surface of belt will increase from 24% to 47% by the use of inserts.
POX-FREC holds a surface resistivity of 1×10^3 Ohm according to IEC 60093/ASTM D257.

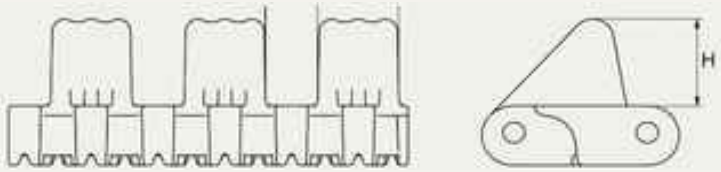
UNI-CHAINS · UNI CSB ROUGH

UNI CSB ROUGH

DATASHEET: UNI CSB ROUGH



UNI CSB ROUGH BELT WITH CAR PUSHER FLIGHTS



FLIGHT DIMENSIONS A, B, H

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	A		B		H		LINK SIZE	WIDTH	
		MM	IN	MM	IN	MM	IN		MM	IN
Car pusher	POM NL O	20.0	0.79	31.0	1.22	35.0	1.38	K600	152.4	6.00

Backflex radius when flights are used: 200 mm (7.87 in).

UNI-CHAINS · UNI CSB ROUGH

UNI CSB ROUGH

DATASHEET: UNI CSB ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (MM / IN)					OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		*A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		40.0 / 1.57	60.0 / 2.36	63.5 / 2.50	90.0 / 3.54	120.0 / 3.54	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z12	x		■		■		197.3	7.77	197.0	7.76	150.0	5.91	82.0	3.23	109.4	4.31	x	x		
Z16	x		□		■	■	263	10.35	261.4	10.29	200.0	7.87	115.0	4.53	141.5	5.57	x	x	x	

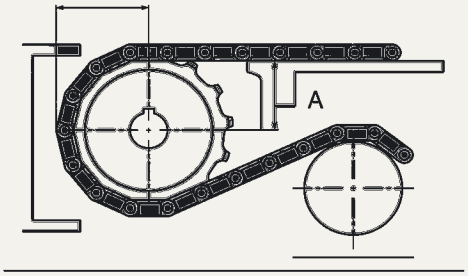
**A-dimension for automotive applications use A = (B-23.0 mm/0.91 in).*
■ = Molded sprocket □ = Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



SPROCKET POSITION: A- AND B-DIMENSION

- Other sprocket sizes are available upon request.
- Two-part sprockets are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of single tooth = 10.0 mm (0.39 in)
- Width of sprocket = 50.0 mm (1.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CSB. For more detailed sprocket information, contact Customer Service.

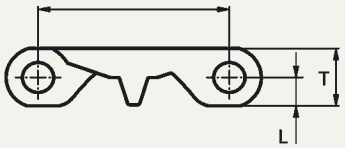
UNI-CHAINS · UNI MPB 16%

UNI MPB 16%

DATASHEET: UNI MPB 16%



UNI MPB 16% BELT, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 16%
- Backflex radius: 65.0 mm (2.60 in)
- Pin diameter: ø8 mm (0.31 in)

MATERIAL & COLOR

Belt material & color	PP W	PE-I N
Pin material & color	PP W	PE W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.8	2.00
T	16.0	0.63
L	8.0	0.31

ALTERNATIVE PIN AND LOCK MATERIALS

Pin: PA6.6 N | PP W | PE W | PBT LG | SS304 Lockpin: PA6.6 B | PBT LG Trilock: PA6.6 N

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	2416	543	1963	441	1.1	0.76	1.2	0.81	2	2	2
202	8.0	3232	727	2626	590	1.5	1.02	1.6	1.09	2	2	2
252	9.9	4032	906	3276	736	1.9	1.27	2.0	1.35	2	2	2
302	11.9	4832	1086	3926	883	2.3	1.52	2.4	1.62	3	3	2
353	13.9	5648	1270	4589	1032	2.6	1.78	2.8	1.90	3	3	2
403	15.9	6448	1450	5239	1178	3.0	2.03	3.2	2.17	3	3	2
453	17.8	7248	1629	5889	1324	3.4	2.28	3.6	2.44	4	4	2
504	19.8	8064	1813	6552	1473	3.8	2.54	4.0	2.71	4	4	2
554	21.8	8864	1993	7202	1619	4.2	2.79	4.4	2.98	4	4	2
604	23.8	9664	2172	7852	1765	4.5	3.04	4.8	3.25	5	5	3
655	25.8	10480	2356	8515	1914	4.9	3.30	5.2	3.52	5	5	3
705	27.8	11280	2536	9165	2060	5.3	3.55	5.6	3.79	5	5	3
755	29.7	12080	2716	9815	2206	5.7	3.81	6.0	4.06	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
1963	77.3	31408	7061	25519	5737	14.7	9.89	15.7	10.55	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
2970	116.9	47520	10682	38610	8680	22.3	14.97	23.8	15.97	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf), without snub roller 1250 N (281 lbf).*
***Max. spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

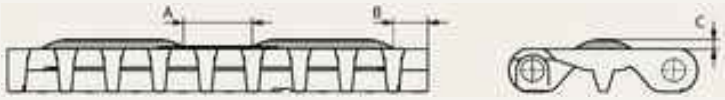
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UNI MPB 16%

DATASHEET: UNI MPB 16%



CURVED ROUGH RUBBER TOP



RUBBER TOP DIMENSIONS A, B, C

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.



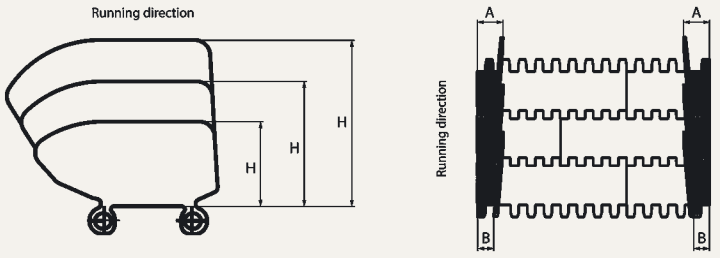
UNI MPB FLIGHT

ACCESSORIES - FLIGHT

See separate uni MPB series Flight datasheet.



CLOSED SIDE GUARD



SIDE GUARD DIMENSIONS H, A, B

ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN

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DATASHEET: UNI MPB 16%

ACCESSORIES - TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION

TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - NON STANDARD UNI AMFLIGHT



PRINCIPLE SKETCH

Other non standard option: See uni AmFlight Overview.

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DATASHEET: UNI MPB 16%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE — MM (IN)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		19.1 (0.75)	20.0 (0.78)	25.0 (0.98)	25.4 (1.00)	30.0 (1.18)	31.8 (1.25)	38.1 (1.50)	40.0 (1.57)	60.0 (2.36)	63.5 (2.50)	90.0 (3.54)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	● ■	● ■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Bore size markers: ● = round bore, ■ = square bore. Dark markers = molded sprocket; light grey markers (bottom Z16 row) = machined sprocket.
Non standard material and color: See uni Material and Color Overview.
Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.



■ MOLDED SPROCKET



● MOLDED SPROCKET



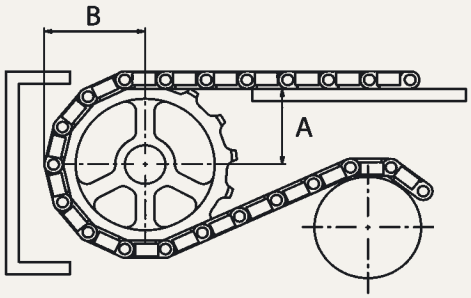
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



A- AND B-DIMENSIONS ON THE SPROCKET/BELT LAYOUT



■ MACHINED SPROCKET



● MACHINED SPROCKET

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)
- Max. load per sprocket shown does not take bore size into account.
- Please also ensure that sufficient size shaft is chosen for corresponding load.

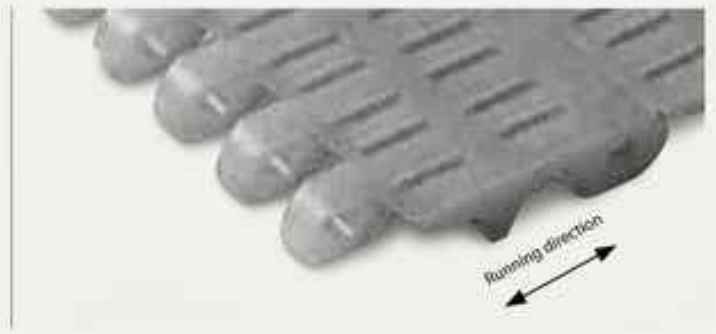
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UNI MPB 20%

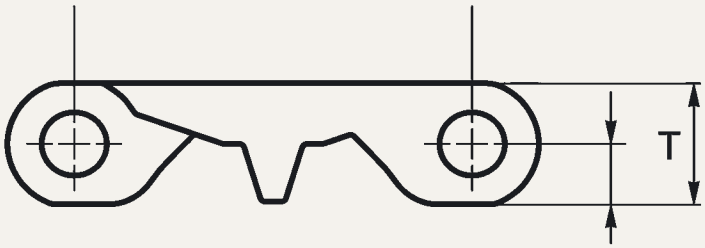
DATASHEET: UNI MPB 20%

PLASTIC MODULAR BELT

Series **uni MPB** — Type **20%**



UNI MPB 20% BELT, RUNNING DIRECTION



LINK SECTION SHOWING PITCH P, THICKNESS T AND PIN POSITION L

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 20%
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

MATERIAL & COLOR

Belt material & color	PP W	PE-I N
Pin material & color	PP W	PE W

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 — Lockpin: PA6.6 B, PBT LG — Trilock: PA6.6 N

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
L	8.0	0.31	-	-	-

BELT WIDTHS, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE				
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
68	2.7	1088	245	884	199	0.5	0.34	0.5	0.36	2	2	2
84	3.3	1341	302	1090	245	0.6	0.42	0.7	0.45	2	2	2
151	5.9	2416	543	1963	441	1.1	0.75	1.2	0.80	2	2	2
185	7.3	2953	664	2399	539	1.4	0.92	1.5	0.98	2	2	2
202	8.0	3232	727	2626	590	1.5	1.00	1.6	1.07	2	2	2
252	9.9	4032	906	3276	736	1.9	1.25	2.0	1.34	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.50	2.4	1.60	3	3	2
353	13.9	5648	1270	4589	1032	2.6	1.76	2.8	1.87	3	3	2
403	15.9	6448	1450	5239	1178	3.0	2.00	3.2	2.14	3	3	2
453	17.8	7248	1629	5889	1324	3.4	2.25	3.6	2.41	4	4	2
504	19.8	8064	1813	6552	1473	3.7	2.51	4.0	2.68	4	4	2
554	21.8	8864	1993	7202	1619	4.1	2.76	4.4	2.94	4	4	2
604	23.8	9664	2172	7852	1765	4.5	3.00	4.8	3.21	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) — ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
1963	77.3	31408	7061	25519	5737	14.5	9.76	15.5	10.42	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) — ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
2970	116.9	47520	10682	38610	8680	22.0	14.77	23.5	15.77	20	20	10

General belt tolerance is +0/-0.4% at 23° C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
** Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).*
*** Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI MPB 20%

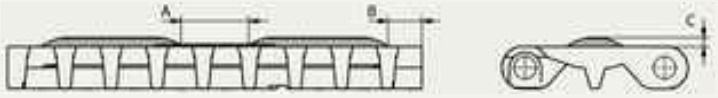
UNI MPB 20%

DATASHEET: UNI MPB 20%

ACCESSORIES - RUBBER TOP



CURVED ROUGH RUBBER TOP BELT



RUBBER TOP SECTION SHOWING DIMENSIONS A, B AND C

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - FLIGHT



FLIGHT

See seperate uni MPB series Flight datasheet.

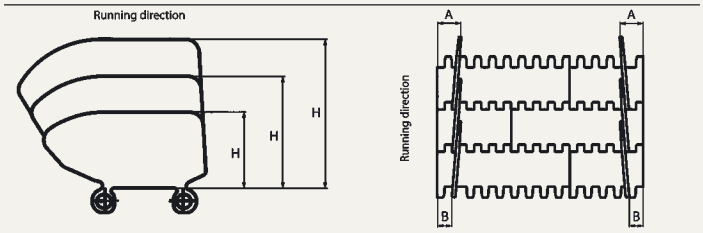
ACCESSORIES - SIDE GUARD

UNI-CHAINS · UNI MPB 20%

UNI MPB 20% (CONT.)



CLOSED SIDE GUARD



SIDE GUARD HEIGHT H AND DIMENSIONS A AND B; RUNNING DIRECTION

SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PE-I B N / PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

**34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).*
Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)

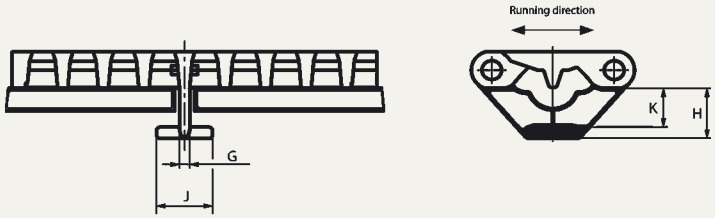
UNI-CHAINS · UNI MPB 20%

UNI MPB 20%

ACCESSORIES: TAB AND NON STANDARD UNI AMFLIGHT



BOTTOM HOLD DOWN TAB



TAB MOUNTED UNDER THE BELT – G, J, K AND H DIMENSIONS; RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other non standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI MPB 20%

UNI MPB 20%

SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0														
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Non standard material and color: See uni Material and Color Overview.
Bore symbols in the last row (PA6 N, machined) are printed in grey in the original.



MOLDED SPROCKET



MOLDED SPROCKET



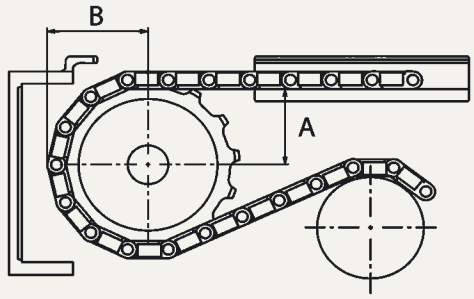
MOLDED SPROCKET



MOLDED SPROCKET



MOLDED SPROCKET



A- AND B-DIMENSION ON THE BELT/SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

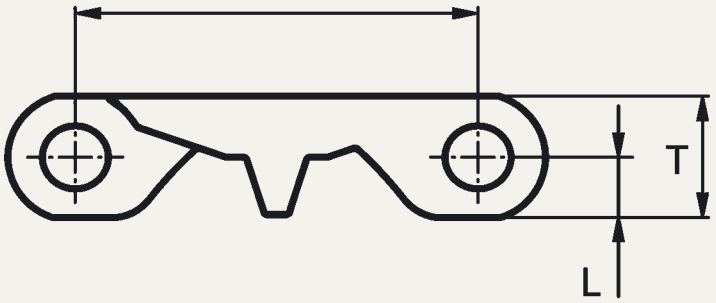
UNI-CHAINS · UNI MPB 22%

UNI MPB 22%

PLASTIC MODULAR BELT – SERIES UNI MPB, TYPE 22%



UNI MPB 22% BELT, RUNNING DIRECTION



LINK CROSS-SECTION – P, T AND L DIMENSIONS

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

BELT AND PIN MATERIAL

Belt material & color	PP W	PE-I N B
Pin material & color	PP W	PE W

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 — Lockpin: PA6.6 B, PBT LG — Trilock: PA6.6 N

BELT WIDTHS, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP/PP		PE-I/PE		PP/PP		PE-I/PE				
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
84	3.3	1341	302	1090	245	0.6	0.41	0.6	0.43	2	2	2
151	5.9	2416	543	1963	441	1.1	0.73	1.1	0.77	2	2	2
185	7.3	2953	664	2399	539	1.3	0.89	1.4	0.94	2	2	2
202	8.0	3232	727	2626	590	1.5	0.98	1.5	1.03	2	2	2
252	9.9	4032	906	3276	736	1.8	1.22	1.9	1.29	2	2	2
302	11.9	4832	1086	3926	883	2.2	1.46	2.3	1.54	3	3	2
353	13.9	5648	1270	4589	1032	2.5	1.71	2.7	1.80	3	3	2
403	15.9	6448	1450	5239	1178	2.9	1.95	3.1	2.06	3	3	2
453	17.8	7248	1629	5889	1324	3.3	2.19	3.4	2.31	4	4	2
504	19.8	8064	1813	6552	1473	3.6	2.44	3.8	2.57	4	4	2
554	21.8	8864	1993	7202	1619	4.0	2.68	4.2	2.83	4	4	2
604	23.8	9664	2172	7852	1765	4.3	2.92	4.6	3.08	5	5	3
655	25.8	10480	2356	8515	1914	4.7	3.17	5.0	3.35	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
1963	77.3	31408	7061	25519	5737	14.1	9.50	14.9	10.03	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).												
2970	116.9	47520	10682	38610	8680	21.4	14.37	22.6	15.17	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

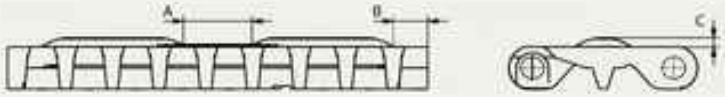
UNI-CHAINS · UNI MPB 22%

UNI MPB 22%

ACCESSORIES: RUBBER TOP, FLIGHT AND SIDE GUARD



RUBBER TOP, CURVED ROUGH



RUBBER TOP – A, B AND C DIMENSIONS

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.



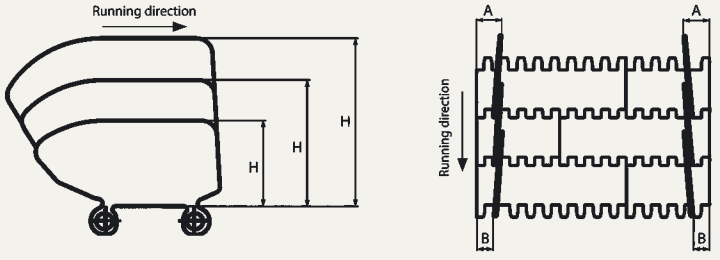
FLIGHT

ACCESSORIES - FLIGHT

See seperate uni MPB series Flight datasheet.



SIDE GUARD, CLOSED



SIDE GUARD – H, A AND B DIMENSIONS; RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN

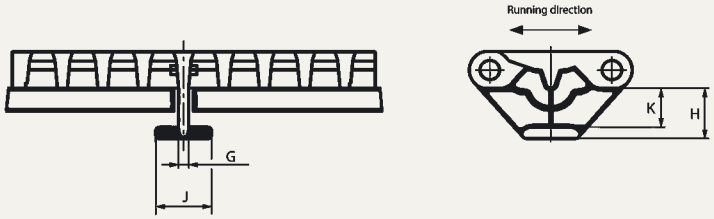
UNI-CHAINS · UNI MPB 22%

UNI MPB 22%

ACCESSORIES: TAB AND NON STANDARD UNI AMFLIGHT



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using taps, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (TRAVEL DIRECTION)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other non standard option: See uni Amflight Overview.

UNI-CHAINS · UNI MPB 22%

UNI MPB 22%

SPROCKET DATA, BORE SIZES AND DIMENSIONS

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	● ■	● ■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Non standard material and color: See uni Material and Color Overview.
The ● and ■ symbols in the bore size columns correspond to the round-bore and square-bore sprockets illustrated below.



■ MOLDED SPROCKET



● MOLDED SPROCKET



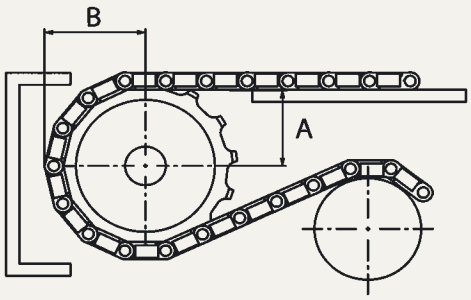
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT ENGAGEMENT



■ MACHINED SPROCKET



● MACHINED SPROCKET

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

UNI-CHAINS · UNI MPB C

UNI MPB C

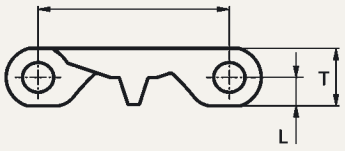
PLASTIC MODULAR BELT – STRAIGHT RUNNING, PITCH 50.8 MM / 2.00 IN

PLASTIC MODULAR BELT

Series: **uni MPB** — Type: **C**



UNI MPB C BELT (RUNNING DIRECTION)



LINK SECTION SHOWING PITCH P, THICKNESS T AND PIN POSITION L

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

BELT & PIN MATERIAL AND COLOR

	MATERIAL & COLOR
Belt material & color	POM-DI W B · PP W B · PE-I N B
Pin material & color	PP W · PE W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN
P (Nominal)	50.8	2.00
T	16.0	0.63
L	8.0	0.31

ALTERNATIVE PIN AND LOCK MATERIALS

Pin: PA6.6 N · PP W · PE W · PBT LG · SS304

Lockpin: PA6.6 B · PBT LG

Trilock: PA6.6 N

BELT WIDTH, TENSILE FORCE, WEIGHT & SPROCKET / WEAR STRIP REQUIREMENT

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-DI/PP		PP/PP		PE-I/PE		POM-DI/PP		PP/PP		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
68	2.7	1870	420	1088	245	884	199	0.8	0.54	0.6	0.38	0.6	0.40	2	2	2
84	3.3	2306	518	1341	302	1090	245	1.0	0.67	0.7	0.47	0.7	0.50	2	2	2
151	5.9	4153	933	2416	543	1963	441	1.8	1.21	1.3	0.84	1.3	0.89	2	2	2
168	6.6	4620	1039	2688	604	2184	491	2.0	1.34	1.4	0.94	1.5	0.99	2	2	2
185	7.3	5088	1144	2960	665	2405	541	2.2	1.48	1.5	1.03	1.6	1.09	2	2	2
202	8.0	5555	1249	3232	727	2626	590	2.4	1.62	1.7	1.13	1.8	1.19	2	2	2
219	8.6	6023	1354	3504	788	2847	640	2.6	1.75	1.8	1.22	1.9	1.30	2	2	2
235	9.3	6463	1453	3760	845	3055	687	2.8	1.88	2.0	1.31	2.1	1.39	2	2	2
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN.)																
655	25.8	18013	4049	10480	2356	8515	1914	7.8	5.24	5.4	3.65	5.8	3.87	5	5	3
672	26.5	18480	4154	10752	2417	8736	1964	8.0	5.37	5.6	3.75	5.9	3.97	5	5	3
688	27.1	18920	4253	11008	2475	8944	2011	8.2	5.50	5.7	3.84	6.1	4.07	5	5	3
705	27.8	19388	4358	11280	2536	9165	2060	8.4	5.64	5.9	3.93	6.2	4.17	5	5	3
722	28.4	19855	4463	11552	2597	9386	2110	8.6	5.77	6.0	4.03	6.4	4.27	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN.)																
1963	77.3	53983	12135	31408	7061	25519	5737	23.4	15.70	16.3	10.95	17.3	11.61	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN.)																
2970	116.9	81675	18361	47520	10682	38610	8680	35.3	23.75	24.7	16.57	26.1	17.56	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
Shaded box = Single Link

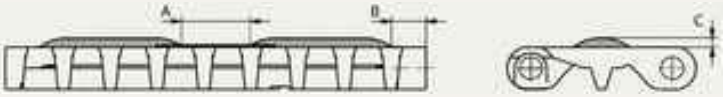
UNI-CHAINS · UNI MPB C

UNI MPB C

ACCESSORIES: RUBBER TOP, FLIGHT AND SIDE GUARD



CURVED ROUGH RUBBER TOP BELT



RUBBER TOP DIMENSIONS A, B AND C

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

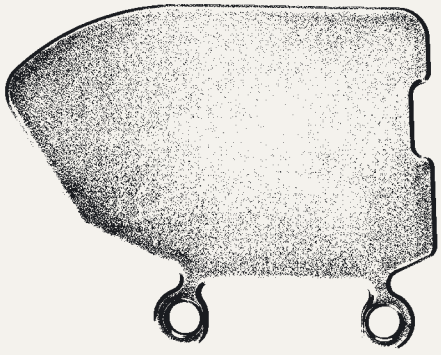
Non Standard material and color: See uni Material and Color Overview.



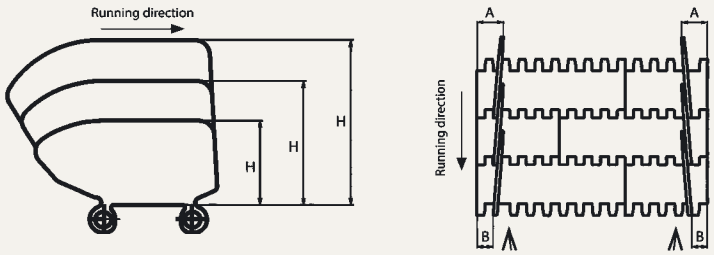
FLIGHT

ACCESSORIES - FLIGHT

See separate uni MPB series Flight datasheet.



CLOSED SIDE GUARD



SIDE GUARD DIMENSIONS H, A AND B; RUNNING DIRECTION

ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN

UNI-CHAINS · UNI MPB C

UNI MPB C

DATASHEET: UNI MPB C



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H

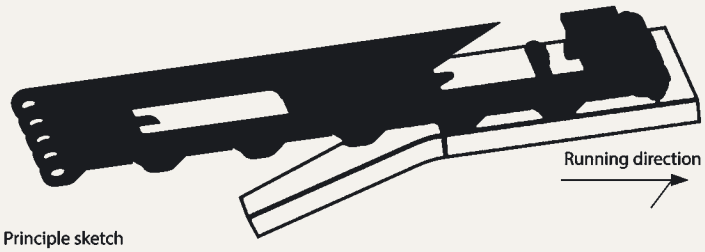
ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN		
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other non standard option: See uni AmFlight Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH

UNI-CHAINS · UNI MPB C

UNI MPB C

DATASHEET: UNI MPB C

SPROCKET

NO. OF TEETH	PILOT BORE	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW / ONE WAY	DOUBLE ROW / TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Bore size: top header line = in, bottom header line = mm. ● = round bore, ■ = square bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



MOLDED SPROCKET (ROUND BORE)



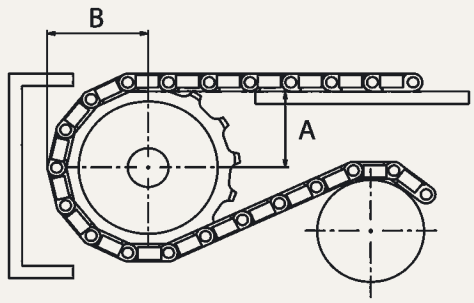
MOLDED SPROCKET (SQUARE BORE)



MOLDED SPROCKET (ROUND BORE)



MOLDED SPROCKET (SQUARE BORE)



A- AND B-DIMENSION



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)

NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

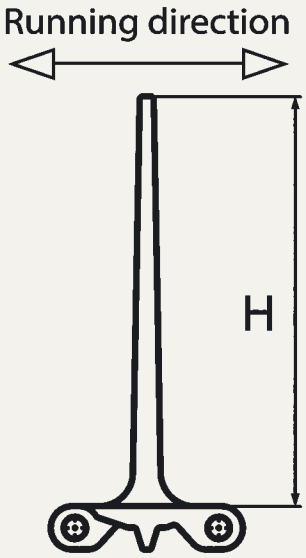
UNI-CHAINS · UNI MPB FLIGHTS

UNI MPB FLIGHTS

DATASHEET: UNI MPB FLIGHTS



UNI MPB FLAT FLIGHT



FLIGHT HEIGHT H AND RUNNING DIRECTION

FLIGHTS - FLAT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
Flat	PE-I N	5.0	0.20	K600	151.0	5.94	3.0	0.12
	PP-I W **PE-I N**	10.0	0.39					
	POM-D W B **PP-I W B** **PE-I N B**	25.4	1.00				0.0	0.0
		50.8	2.00					
		76.2	3.00					
		101.6	4.00					
		101.6	4.00				34.0*	1.34
		152.4	6.00				0.0	0.00

**Indent only in one side.*

Depending on height and spacing the use of product supports may influence the backflex radius.

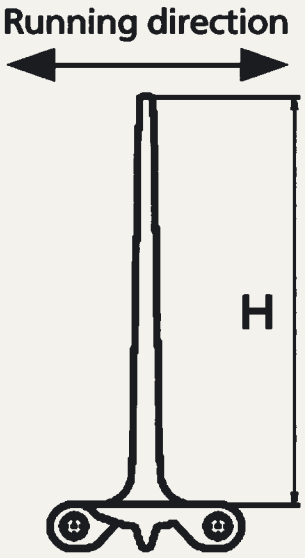
UNI-CHAINS · UNI MPB FLIGHTS

UNI MPB FLIGHTS

DATASHEET: UNI MPB FLIGHTS



NON STICK FLIGHTS



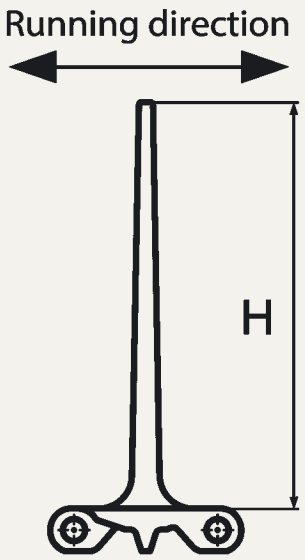
FLIGHT HEIGHT H AND RUNNING DIRECTION

FLIGHTS - NON STICK

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W B N PE-I W B N	76.2	3.00	K600	151.0	5.94	0.0	0.00
		101.6	4.00					



10% NON STICK FLIGHTS



FLIGHT HEIGHT H AND RUNNING DIRECTION

FLIGHTS - 10% NON STICK

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
10% Non Stick	PP-I W B N PE-I W B N	50.8	2.00	K600	151.0	5.94	0.0	0.00
		76.2	3.00					
		101.6	4.00					

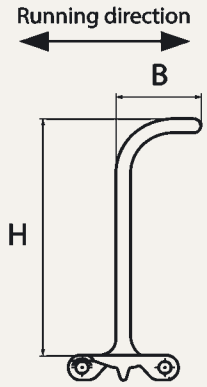
UNI-CHAINS · UNI MPB FLIGHTS

UNI MPB FLIGHTS

DATASHEET: UNI MPB FLIGHTS



UNI MPB BENT FLIGHT



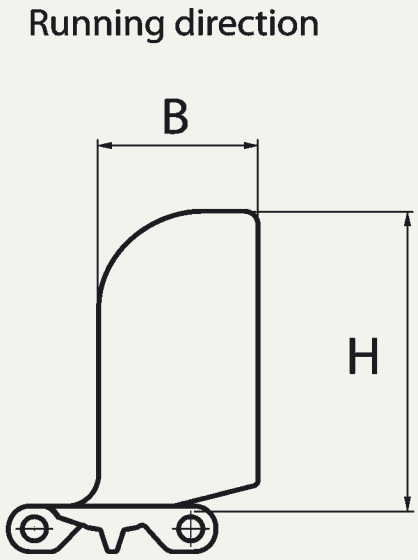
BENT FLIGHT – H AND B DIMENSIONS, RUNNING DIRECTION

FLIGHTS - BENT

TYPE	MATERIAL & COLOR	H		B		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN	MM	IN		MM	IN	MM	IN
Bent	PP-I W B	76.2	3.00	52.0	2.05	K600	151.0	5.94	0.0	0.00
	PP-I W B PE-I N	101.6	4.00			K600				
	PP-I W B	152.4	6.00			K600				



UNI MPB CUPPED FLIGHT



CUPPED FLIGHT – H AND B DIMENSIONS, RUNNING DIRECTION

FLIGHTS - CUPPED

TYPE	MATERIAL & COLOR	H		B		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN	MM	IN		MM	IN	MM	IN
Cupped	PP-I W	101.6	4.00	52.0	2.05	K600	151.0	5.94	0.0	0.00

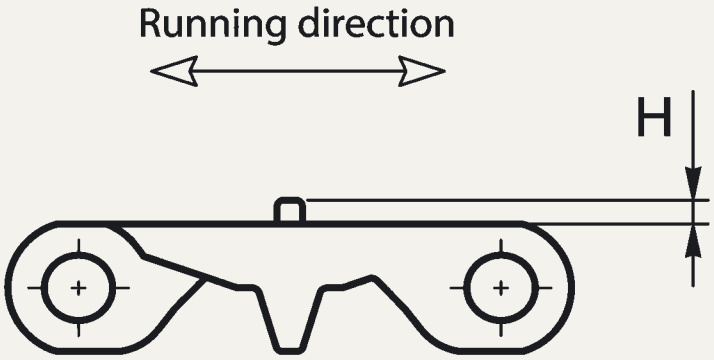
UNI-CHAINS · UNI MPB FLIGHTS

UNI MPB FLIGHTS

DATASHEET: UNI MPB FLIGHTS



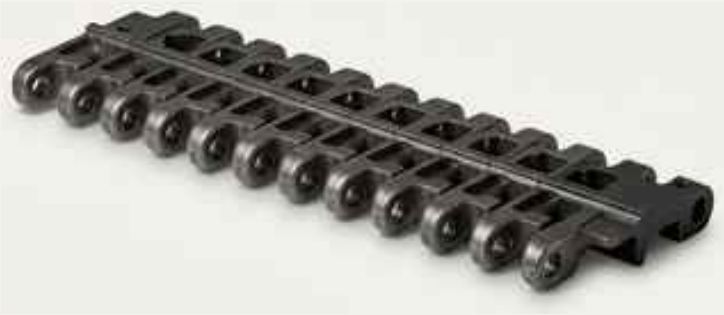
UNI MPB FLAT 20% BELT



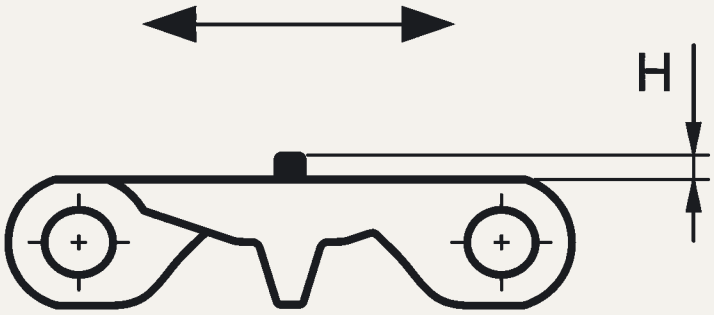
FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHTS - FLAT 20%

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
Flat 20%	PE-I N	5.0	0.20	K600	151.0	5.94	3.0	0.12



UNI MPB FLAT 22% BELT



FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHTS - FLAT 22%

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
Flat 22%	PE-I N PE-I W	3.0	0.12	K600	151.0	5.94	3.0	0.12

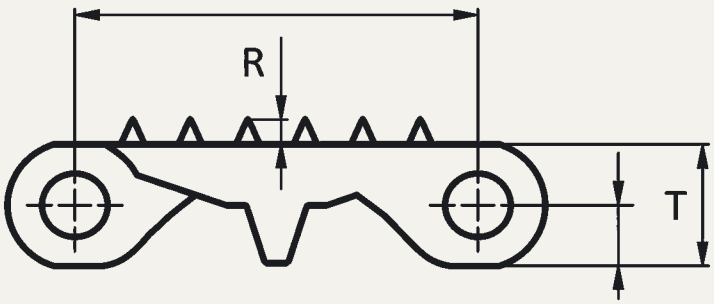
UNI-CHAINS · UNI MPB G

UNI MPB G

PLASTIC MODULAR BELT – SERIES UNI MPB, TYPE G



UNI MPB G BELT, RUNNING DIRECTION



LINK CROSS-SECTION – P, R, L AND T DIMENSIONS

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Grip
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

BELT AND PIN MATERIAL

Belt material & color	POM-DI W
Pin material & color	PP W

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	R	3.2	0.13
L	8.0	0.31	T	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 — Lockpin: PA6.6 B, PBT LG — Trilock: PA6.6 N

uni MPB G is available with an indent of 35.0 mm (1.38 in) in both sides (as uni MPB GE).

BELT WIDTHS, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-DI/PP		BELT WEIGHT (BELT/PIN MATERIAL) POM-DI/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
151	5.9	4153	933	1.8	1.21	2	2	2
202	8.0	5555	1249	2.4	1.62	2	2	2
252	9.9	6930	1558	3.0	2.02	2	2	2
302	11.9	8305	1867	3.6	2.42	3	3	2
353	13.9	9708	2182	4.2	2.82	3	3	2
403	15.9	11083	2491	4.8	3.22	3	3	2
453	17.8	12458	2800	5.4	3.62	4	4	2
504	19.8	13860	3116	6.0	4.03	4	4	2
554	21.8	15235	3425	6.6	4.43	4	4	2
604	23.8	16610	3734	7.2	4.83	5	5	3
655	25.8	18013	4049	7.8	5.24	5	5	3
705	27.8	19388	4358	8.4	5.64	5	5	3
755	29.7	20763	4667	9.0	6.04	6	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).								
1963	77.3	53983	12135	23.4	15.70	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).								
2970	116.9	81675	18361	35.3	23.75	20	20	10

UNI-CHAINS · UNI MPB G

UNI MPB G

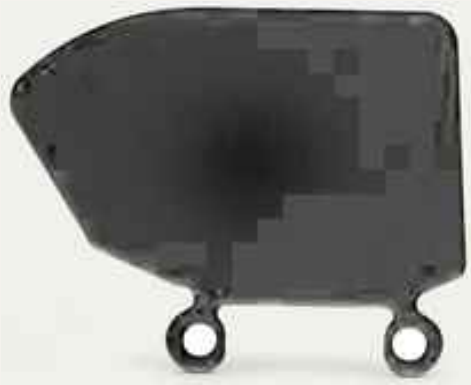
ACCESSORIES: FLIGHT, SIDE GUARD AND TAB



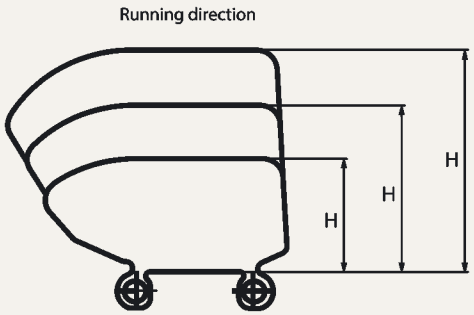
ACCESSORIES – FLIGHT

ACCESSORIES - FLIGHT

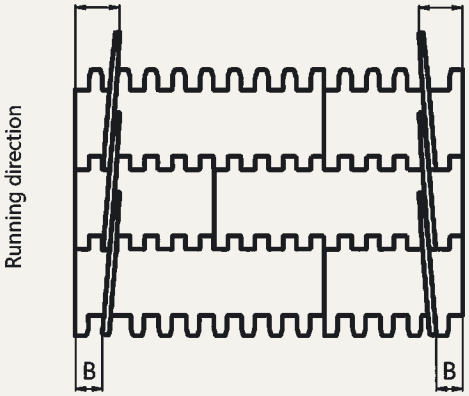
See seperate uni MPB series Flight datasheet.



SIDE GUARD



SIDE GUARD HEIGHTS H, RUNNING DIRECTION



SIDE GUARD A AND B DIMENSIONS ON THE BELT, RUNNING DIRECTION

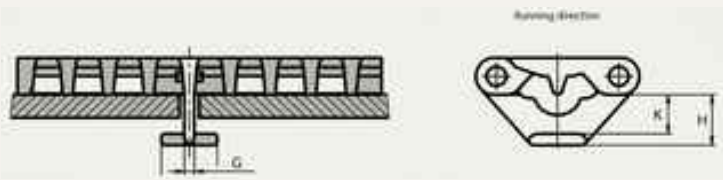
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

**34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).*
Backflex radius when Side Guard are used: 200.0 mm (7.90 in).



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION

UNI-CHAINS · UNI MPB G

UNI MPB G

DATASHEET: UNI MPB G

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						○	○	○□	○□	□	□		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Symbols in the bore-size columns indicate the sprocket type available for that bore: ● / ■ = molded sprocket, ○ / □ = machined sprocket (see photos below).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



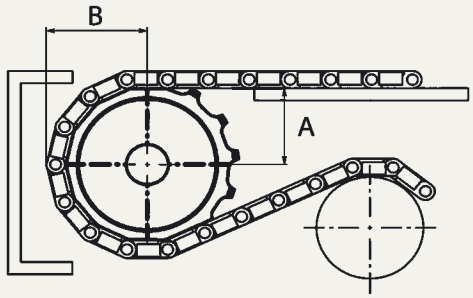
MOLDED SPROCKET



MOLDED SPROCKET



MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT



MACHINED SPROCKET



MACHINED SPROCKET

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI MPB N

UNI MPB N

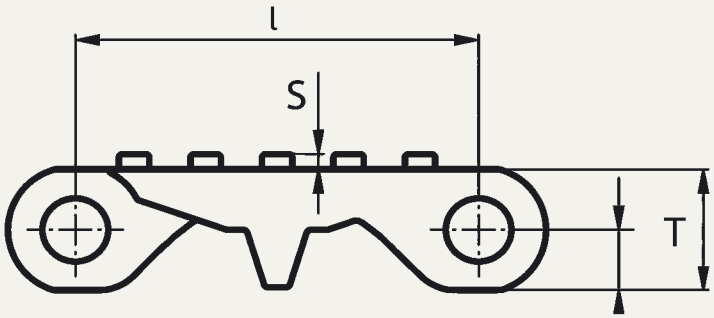
DATASHEET: UNI MPB N

PLASTIC MODULAR BELT

Series: **uni MPB** Type: **N**



UNI MPB N BELT, RUNNING DIRECTION



BELT CROSS-SECTION WITH P, S, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: No Cling
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

MATERIAL & COLOR

	MATERIAL & COLOR
Belt material & color	PE-I N
Pin material & color	PE W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	S	2.0	0.08
L	8.0	0.31	T	16.0	0.63

Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 — Lockpin: PA6.6 B, PBT LG — Trilock: PA6.6 N

uni MPB N is available with an indent of 35.0 mm (1.38 in) in both sides (as uni MPB NE).

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PE-I/PE		BELT WEIGHT (BELT/PIN MATERIAL) PE-I/PE		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
151	5.9	1963	441	1.3	0.89	2	2	2
202	8.0	2626	590	1.8	1.19	2	2	2
252	9.9	3276	736	2.2	1.49	2	2	2
302	11.9	3926	883	2.7	1.79	3	3	2
353	13.9	4589	1032	3.1	2.09	3	3	2
403	15.9	5239	1178	3.5	2.38	3	3	2
453	17.8	5889	1324	4.0	2.68	4	4	2
504	19.8	6552	1473	4.4	2.98	4	4	2
554	21.8	7202	1619	4.9	3.28	4	4	2
604	23.8	7852	1765	5.3	3.57	5	5	3
655	25.8	8515	1914	5.8	3.87	5	5	3
705	27.8	9165	2060	6.2	4.17	5	5	3
755	29.7	9815	2206	6.6	4.47	6	6	3

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).

UNI-CHAINS · UNI MPB N

UNI MPB N

DATASHEET: UNI MPB N



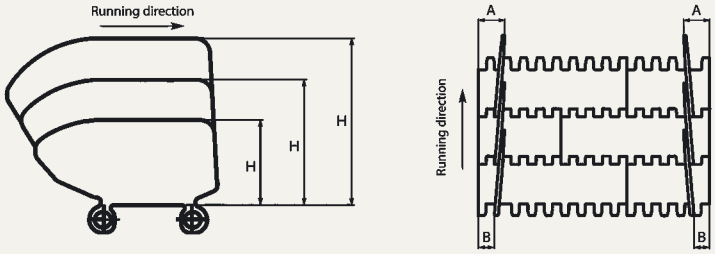
ACCESSORIES – FLIGHT

ACCESSORIES - FLIGHT

See seperate uni MPB series Flight datasheet.



ACCESSORIES – SIDE GUARD



SIDE GUARD: H HEIGHT IN RUNNING DIRECTION; A AND B IN TOP VIEW

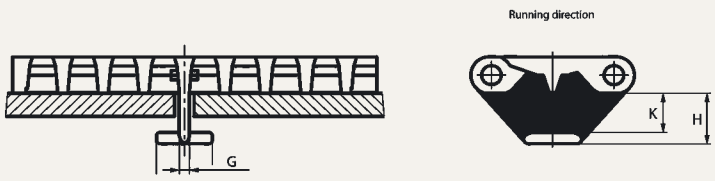
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PE-I B N PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
		76.2	3.00				
		101.6	4.00				

**34.0 mm (1.34 in) combined with flight. Increment: 8.4 mm (0.33 in).*
Note: Backflex radius when Side Guard are used: 200.0 mm (7.90 in)



ACCESSORIES – TAB



TAB: G AND J IN BELT CROSS-SECTION; K AND H IN END VIEW

UNI-CHAINS · UNI MPB N

UNI MPB N

DATASHEET: UNI MPB N

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x					●	●	●	■	●■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x					●	●	●	■	●■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x						●	●	●■	●■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10											■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x						●	●	●■	●■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x						●	●	●■	●■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x						○	○	○□	○□	□	□		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Symbols in the bore-size columns indicate the sprocket type available for that bore: ● / ■ = molded sprocket, ○ / □ = machined sprocket (see photos below).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



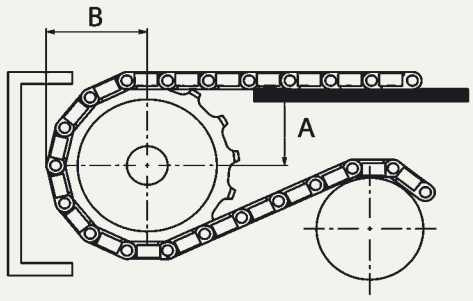
MOLDED SPROCKET



MOLDED SPROCKET



MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT



MACHINED SPROCKET



MACHINED SPROCKET

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)

Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni MPB.

For more detailed sprocket information, contact Customer Service.

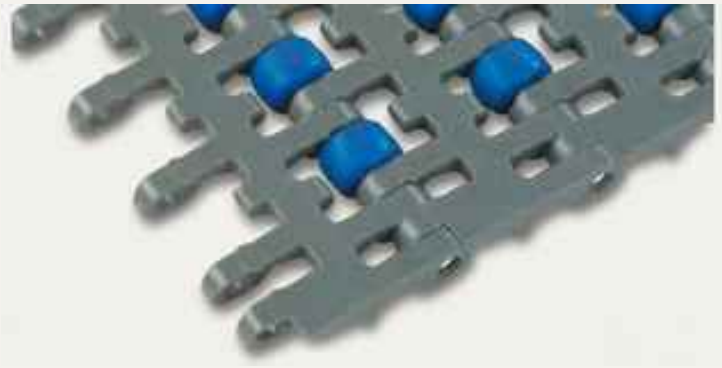
UNI-CHAINS · UNI MPB RO

UNI MPB RO

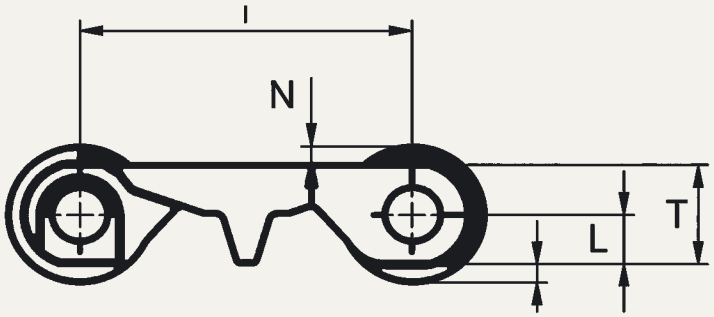
DATASHEET: UNI MPB RO

PLASTIC MODULAR BELT

Series **uni MPB** · Type **RO**



UNI MPB RO BELT, RUNNING DIRECTION



BELT SECTION: P, N, L AND T DIMENSIONS

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Roller Top
- Surface opening: 22%
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

BELT & PIN MATERIAL AND COLOR

	MATERIAL & COLOR
Belt material & color	POM-DI G
Pin material & color	PP W

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	L	8.0	0.31
N	3.0	0.12	T	16.0	0.63

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 · Lockpin: PA6.6 B, PBT LG · Trilock: PA6.6 N

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-DI/PP		BELT WEIGHT (BELT/PIN MATERIAL) POM-DI/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)			
		MM	IN	N	LBF		**CARRY (PCS)	**RETURN (PCS)	KG/M	LB/FT
151	5.9	1661	373	1.7	1.15	2	2	2		
185	7.3	2030	456	2.1	1.40	2	2	2		
202	8.0	2222	500	2.3	1.53	2	2	2		
252	9.9	2772	623	2.8	1.91	2	2	2		
302	11.9	3322	747	3.4	2.29	3	3	2		
353	13.9	3883	873	4.0	2.68	3	3	2		
403	15.9	4433	997	4.6	3.06	3	3	2		
453	17.8	4983	1120	5.1	3.44	4	4	2		
504	19.8	5544	1246	5.7	3.83	4	4	2		
554	21.8	6094	1370	6.3	4.21	4	4	2		
604	23.8	6644	1494	6.8	4.59	5	5	3		
655	25.8	7205	1620	7.4	4.97	5	5	3		
705	27.8	7755	1743	8.0	5.35	5	5	3		

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-

UNI-CHAINS · UNI MPB RO

UNI MPB RO

SPROCKETS

SPROCKET - BORE SIZES

NO OF TEETH	PILOT BORE	BORE SIZE 0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM
Z06	x				●	●	●	■	● ■			
Z08	x				●	●	●	■	● ■			
Z10	x					●	●	● ■	● ■			
Z10										■	■	
Z12	x					●	●	● ■	● ■	■	■	
Z16	x					●	●	● ■	● ■	■	■	
Z16	x					●	●	● ■	● ■	■	■	

● = round bore · ■ = square bore. The last Z16 row is the machined sprocket (shown in the legacy page with lighter markers).
Non standard material and color: See uni Material and Color Overview.

SPROCKET - DIMENSIONS AND VERSIONS

NO OF TEETH	OVERALL DIAMETER MM	OVERALL DIAMETER IN	PITCH-DIAMETER MM	PITCH-DIAMETER IN	HUB-DIAMETER MM	HUB-DIAMETER IN	A-DIMENSION MM	A-DIMENSION IN	B-DIMENSION MM	B-DIMENSION IN	SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z06	99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



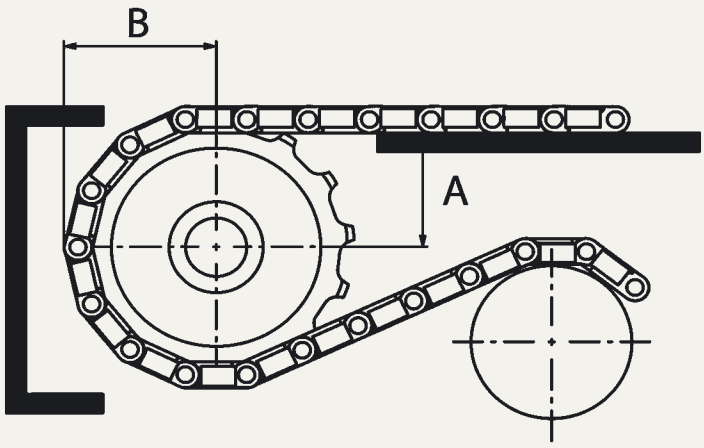
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



A- AND B-DIMENSION ON THE BELT/SPROCKET



■ MACHINED SPROCKET



● MACHINED SPROCKET

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

UNI-CHAINS · UNI MPB 18%

UNI MPB 18%

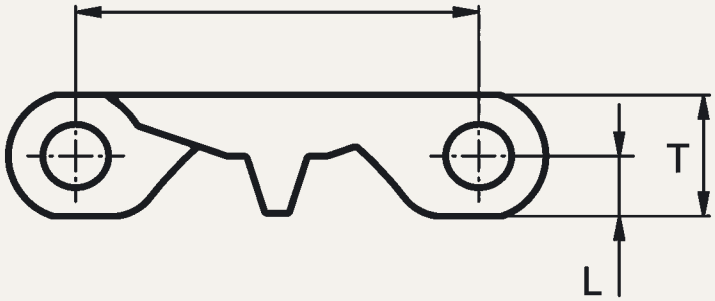
DATASHEET: UNI MPB 18%

PLASTIC MODULAR BELT

Series **uni MPB** · Type **18%**



UNI MPB 18% BELT, RUNNING DIRECTION



BELT SECTION: P, T AND L DIMENSIONS

STRAIGHT RUNNING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 18%
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: ø8 mm (0.31 in)

BELT & PIN MATERIAL AND COLOR

	MATERIAL & COLOR			
Belt material & color	POM-DI W	PP W	PE-I N	PP-HW LB
Pin material & color	PP W		PE W	PP-HW LB

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
L	8.0	0.31	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 · Lockpin: PA6.6 B, PBT LG · Trilock: PA6.6 N

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

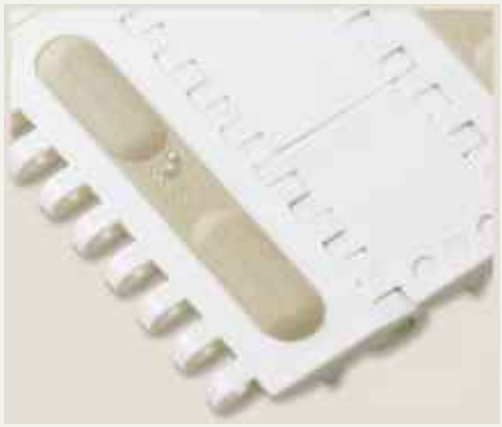
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)		
		POM-DI/PP		PP/PP · PP-HW/PP-HW		PE-I/PE		POM-DI/PP		PP/PP · PP-HW/PP-HW		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)	
		MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT				KG/M LB/FT
68	2.7	1870	420	1088	245	884	199	0.8	0.51	0.5	0.34	0.5	0.37	2	2	2	
84	3.3	2307	519	1342	302	1091	245	0.9	0.63	0.6	0.42	0.7	0.45	2	2	2	
151	5.9	4153	933	2416	543	1963	441	1.7	1.13	1.1	0.76	1.2	0.81	2	2	2	
185	7.3	5075	1141	2953	664	2399	539	2.0	1.38	1.4	0.93	1.5	0.99	2	2	2	
202	8.0	5555	1249	3232	727	2626	590	2.2	1.51	1.5	1.02	1.6	1.09	2	2	2	
252	9.9	6930	1558	4032	906	3276	736	2.8	1.88	1.9	1.27	2.0	1.35	2	2	2	
302	11.9	8305	1867	4832	1086	3926	883	3.4	2.25	2.3	1.52	2.4	1.62	3	3	2	
353	13.9	9708	2182	5648	1270	4589	1032	3.9	2.63	2.6	1.78	2.8	1.90	3	3	2	
403	15.9	11083	2491	6448	1450	5239	1178	4.5	3.01	3.0	2.03	3.2	2.17	3	3	2	
453	17.8	12458	2800	7248	1629	5889	1324	5.0	3.38	3.4	2.28	3.6	2.44	4	4	2	
504	19.8	13860	3116	8064	1813	6552	1473	5.6	3.76	3.8	2.54	4.0	2.71	4	4	2	
554	21.8	15235	3425	8864	1993	7202	1619	6.1	4.13	4.2	2.79	4.4	2.98	4	4	2	
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).																	
1963	77.3	53983	12135	31408	7061	25519	5737	21.8	14.64	14.7	9.89	15.7	10.55	14	14	7	
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.3 MM (1.98 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 16.8 MM (0.66 IN).																	
2970	116.9	81675	18361	47520	10682	38610	8680	33.0	22.16	22.3	14.97	23.8	15.97	20	20	10	

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*

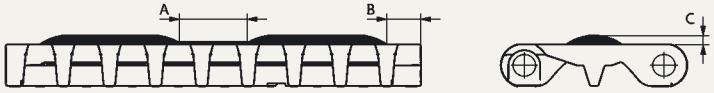
UNI-CHAINS · UNI MPB 18%

UNI MPB 18%

ACCESSORIES



RUBBER TOP, CURVED ROUGH



RUBBER TOP A, B AND C DIMENSIONS

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Curved Rough	POM-DI W	01 N	24.0	0.94	10.0	0.39	3.5	0.14	K600	151.0	5.94

Non Standard material and color: See uni Material and Color Overview.

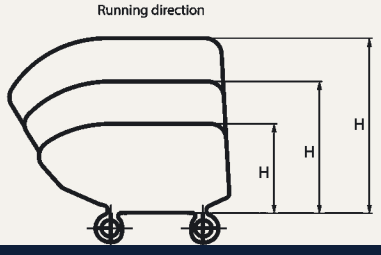
ACCESSORIES - FLIGHT

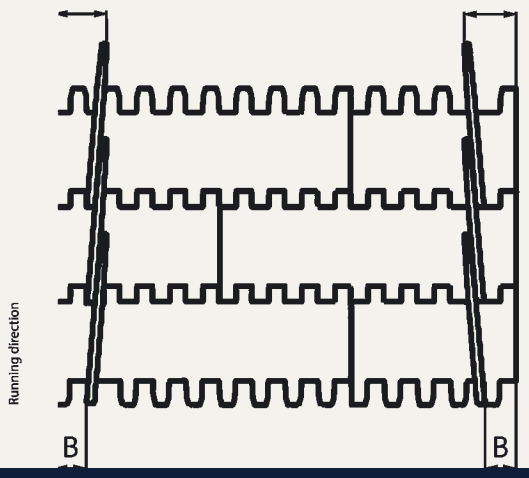
See separate uni MPB series Flight datasheet.



FLIGHT







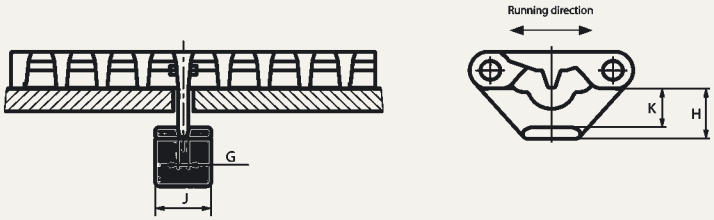
UNI-CHAINS · UNI MPB 18%

UNI MPB 18%

ACCESSORIES



TAB – BOTTOM HOLD DOWN



BOTTOM HOLD DOWN TAB DIMENSIONS G, J, K, H (RUNNING DIRECTION)

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (RUNNING DIRECTION)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other non standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI MPB 18%

UNI MPB 18%

SPROCKET

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	x	
Z12	x					●	●	● ■	● ■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	150.0	5.90	119.7	4.71	138.7	5.46	x			x

Non standard material and color: See uni Material and Color Overview.
The ● and ■ symbols in the bore size columns correspond to the round-bore and square-bore sprockets illustrated below.



■ MOLDED SPROCKET



● MOLDED SPROCKET



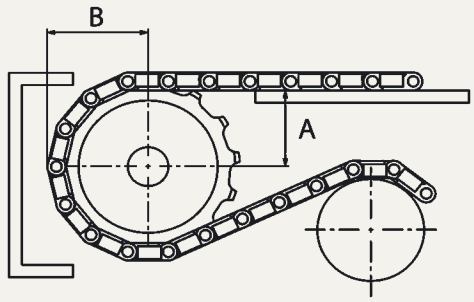
■ MOLDED SPROCKET



● MOLDED SPROCKET



■ MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET/BELT ENGAGEMENT



■ MACHINED SPROCKET



● MACHINED SPROCKET

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in)
- Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in)

Max. load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

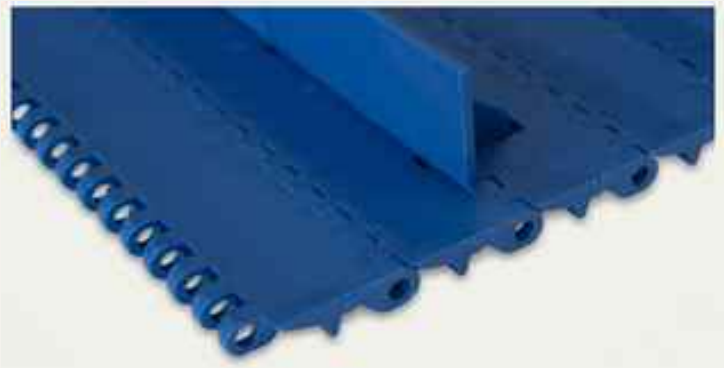
UNI-CHAINS · UNI MPB POP-UP FLIGHT

UNI MPB POP-UP FLIGHT

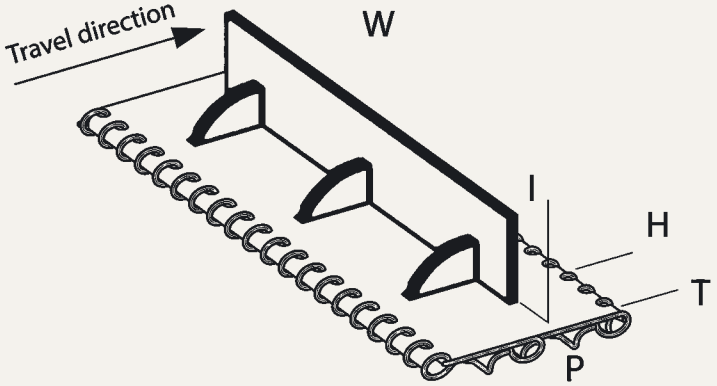
DATASHEET: UNI MPB POP-UP FLIGHT

PLASTIC MODULAR BELT

uni MPB Pop-up flight



UNI MPB POP-UP FLIGHT BELT SURFACE



BELT AND FLIGHT DIMENSIONS W, I, H, T, P (TRAVEL DIRECTION)

- Straight running elevator belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 100 mm (3.9 in) min.
- Pin diameter: 8 mm (0.31 in)

MATERIALS

Belt material & color	PP W B PE-I N B
Pin material & color	PP W PE W
Flight material & color	PP-I W B PE-I W B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PA6.6 N, PP W, PE W, PBT LG, SS304 · Lockpin: PA6.6 B, PBT LG

BELT DIMENSIONS

	MM	IN		MM	IN
H	54.8	2.16	T	16.0	0.63
I	34.0	1.34	-	-	-
P	50.8	2.00	-	-	-

BELT LOAD CAPACITY

BELT DIMENSIONS						PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				MAXIMUM PRODUCT LOAD PER FLIGHT ROW	
BELT WIDTH (W)		INDENTS (I) *		FLIGHT WIDTH (B)		PP/PP		PE-I/PE			
MM	IN	MM	IN	MM	IN	N	LBF	N	LBF	KG	LBS
302	11.9	34	1.34	234	9.2	4832	1086	3926	883	12	27
353	13.9	34	1.34	285	11.2	5648	1270	4589	1032	14	31
403	15.9	34	1.34	335	13.2	6448	1450	5239	1178	16	36
453	17.8	34	1.34	385	15.2	7248	1629	5889	1324	18	40
504	19.8	34	1.34	436	19.2	8064	1813	6552	1473	20	44
554	21.8	34	1.34	486	19.1	8864	1993	7202	1619	22	49
604	23.8	34	1.34	536	21.1	9664	2173	7852	1765	24	53

General width tolerance is +0/-0.4% at 23°C/73°F.
Additional non-standard belt widths are available in steps of 16.8 mm (0.66 in).
**Standard indent 34 mm (1.34 in), other indents upon request.*

UNI-CHAINS · UNI MPB POP-UP FLIGHT

UNI MPB POP-UP FLIGHT

DATASHEET: UNI MPB POP-UP FLIGHT

BELT WEIGHT AND CONSTRUCTION INFORMATION

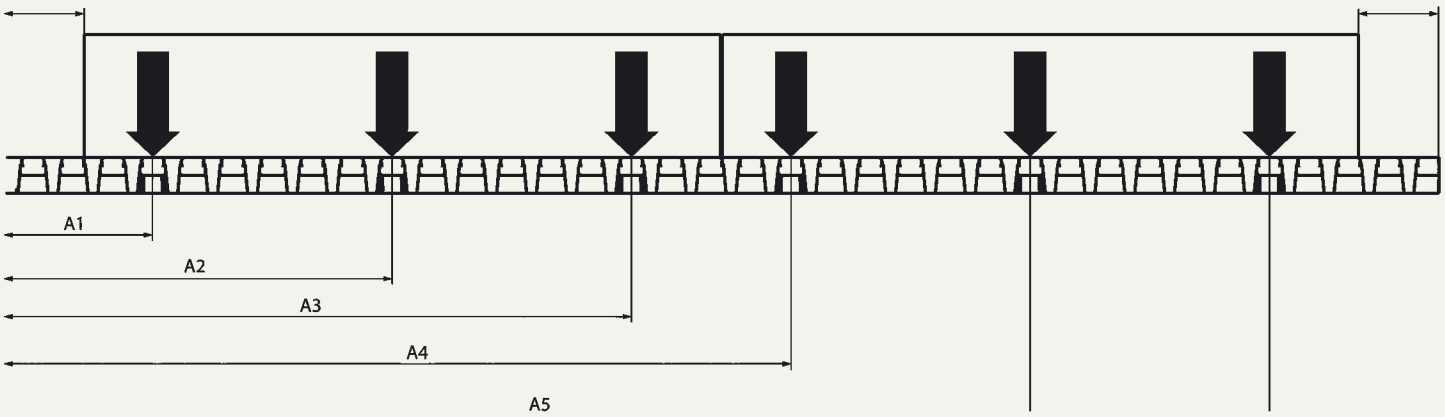
BELT DIMENSIONS		BASE BELT WEIGHT (BELT/PIN MATERIAL)				ADD WEIGHT PER FLIGHT ROW				CONSTRUCTION INFORMATION		
BELT WIDTH (W)		PP/PP		PE-I/PE		PP-I/PP		PE-I/PE		MIN. NO DRIVE SPROCKETS *	NO FLIGHT CAMS/ACTIVATION WEARSTRIPS	MIN NUMBER OF SUPPORT WEARSTRIPS
MM	IN	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT	PIECES	PIECES	PIECES
302	11.9	2.5	1.7	2.7	1.8	0.08	0.17	0.08	0.18	2	3	2
353	13.9	2.9	2.0	3.1	2.1	0.10	0.22	0.10	0.23	2	4	2
403	15.9	3.3	2.2	3.5	2.4	0.12	0.26	0.13	0.28	2	4	2
453	17.8	3.8	2.5	4.0	2.7	0.13	0.28	0.14	0.30	3	5	2
504	19.8	4.2	2.8	4.4	3.0	0.14	0.31	0.15	0.33	3	5	2
554	21.8	4.6	3.1	4.9	3.3	0.16	0.35	0.17	0.38	4	6	2
604	23.8	5.0	3.4	5.3	3.6	0.17	0.38	0.18	0.40	4	6	2

**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)*

PLACING OF ACTIVATION WEARSTRIPS

BELT DIMENSIONS						ACTIVATION WEARSTRIPS – DISTANCE FROM BELT LEFT HAND EDGE											
BELT WIDTH (W)		INDENTS * (I)		FLIGHT WIDTH (B)		A1		A2		A3		A4		A5		A6	
MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
302	11.9	34	1.34	234	9.2	46	1.81	147	5.79	248	9.76	-	-	-	-	-	-
353	13.9	34	1.34	285	11.2	63	2.48	164	6.46	197	7.76	298	11.73	-	-	-	-
403	15.9	34	1.34	335	13.2	63	2.48	164	6.46	231	9.09	332	13.07	-	-	-	-
453	17.8	34	1.34	385	15.2	46	1.81	147	5.79	248	9.76	298	11.73	399	15.71	-	-
504	19.8	34	1.34	436	19.2	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	-	-
554	21.8	34	1.34	486	19.1	46	1.81	147	5.79	248	9.76	281	11.06	382	15.04	483	19.02
604	23.8	34	1.34	536	21.1	63	2.48	164	6.46	265	10.43	332	13.07	433	17.05	533	20.98

**Standard indent 34 mm (1.34 in), other indents upon request.*



PLACING OF ACTIVATION WEARSTRIPS A1–A6 ACROSS THE BELT WIDTH W (INDENT I AT EACH EDGE)

↓ = Placing of activation wearstrip

Dimensions for Pop-up flight system are from left hand edge of belt, looking down from top of belt with travel direction moving away from viewing point.

UNI-CHAINS · UNI MPB POP-UP FLIGHT

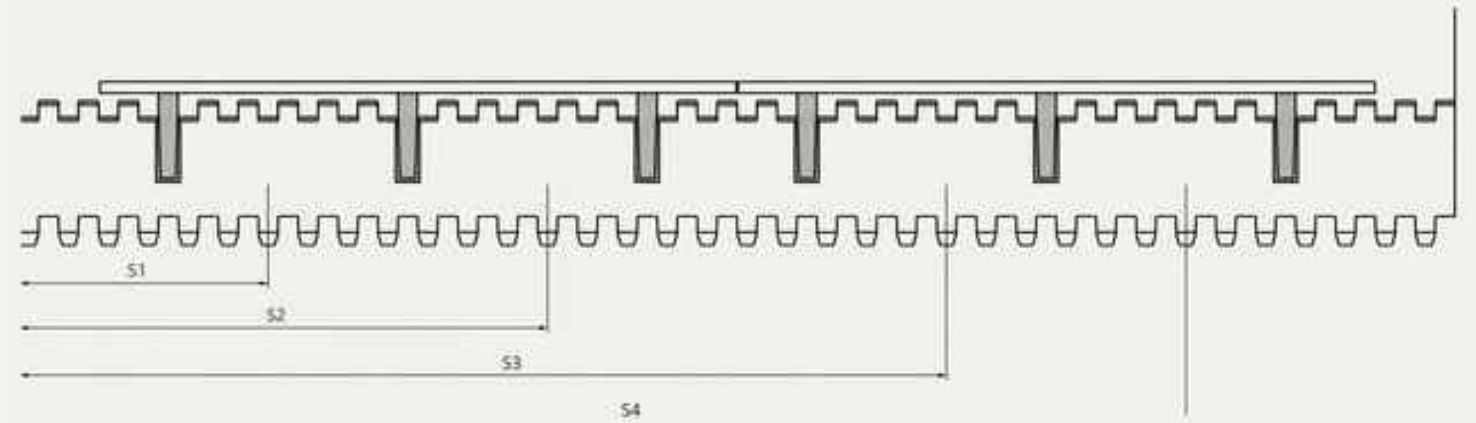
UNI MPB POP-UP FLIGHT

DATASHEET: UNI MPB POP-UP FLIGHT

PLACING OF SPROCKETS

BELT DIMENSIONS							SPROCKET POSITION – DISTANCE FROM BELT LEFT HAND EDGE							
BELT WIDTH (W)		INDENTS * (I)		FLIGHT WIDTH (B)		MIN. NO DRIVE SPROCKETS **	S1		S2		S3		S4	
MM	IN	MM	IN	MM	IN		MM	IN	MM	IN	MM	IN	MM	IN
302	11.9	34	1.34	234	9.2	2	88	3.46	206	8.11	-	-	-	-
353	13.9	34	1.34	285	11.2	2	105	4.13	256	10.08	-	-	-	-
403	15.9	34	1.34	335	13.2	2	105	4.13	290	11.42	-	-	-	-
453	17.8	34	1.34	385	15.2	3	88	3.46	206	8.11	357	14.06	-	-
504	19.8	34	1.34	436	19.2	3	105	4.13	223	8.78	391	15.39	-	-
554	21.8	34	1.34	486	19.1	4	88	3.46	206	8.11	323	12.72	441	17.36
604	23.8	34	1.34	536	21.1	4	105	4.13	223	8.78	374	14.72	491	19.33

**Standard indent 34 mm (1.34 in), other indents upon request.*
***Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 2000 N (450 lbf) without snub roller 1250 N (281 lbf)*



PLACING OF SPROCKETS ACROSS THE BELT WIDTH – POSITIONS S1, S2, S3 AND S4

↑ = Placing of sprockets

Ensure sprockets cannot contact the Pop-up flight activation cams. These cams hinge below the belt surface when unsupported by wear-strips. If needed use extra retaining rings each side of floating sprockets to ensure they cannot contact the activation cams but can still float sideways.

UNI-CHAINS · UNI MPB POP-UP FLIGHT

UNI MPB POP-UP FLIGHT

DATASHEET: UNI MPB POP-UP FLIGHT

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (MM / IN)										OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW / ONE WAY	PA6 LG MOLDED	PA6 N MACHINED
		19.1 / 0.75	20.0 / 0.79	25.0 / 0.98	25.4 / 1.00	30.0 / 1.18	31.8 / 1.25	38.1 / 1.50	40.0 / 1.57	60.0 / 2.36	63.5 / 2.50	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			
Z08	x				●	●	●	■	● ■			132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x	x	
Z10	x					●	●	● ■	● ■			166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	
Z10										■	■	166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	
Z12	x					●	●	● ■	● ■	■	■	198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	
Z16	x					○	○	○ □	○ □	□	□	263.8	10.39	260.4	10.25	150.0	5.91	119.7	4.71	138.7	5.46	x		x

Bore-size symbols: ■ Molded sprocket (square bore) · ● Molded sprocket (round bore) · □ Machined sprocket (square bore) · ○ Machined sprocket (round bore).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



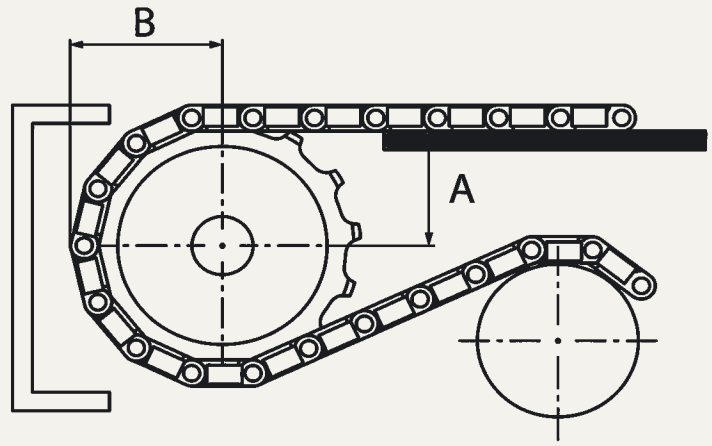
MOLDED SPROCKET (ROUND BORE)



MACHINED SPROCKET (SQUARE BORE)



MACHINED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON THE SPROCKET / BELT LAYOUT

uni MPB Single row – one way sprockets as shown above are recommended for use with Pop-up flight system.

uni MPB Two row – two way sprockets are available and can be used for conveyors which needed to reverse travel direction.

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of sprocket = Single row: 42.3 mm (1.67 in)

Width of tooth = Single row: 9.5 mm (0.37 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI ECB C

UNI ECB C

DATASHEET: UNI ECB C

PLASTIC MODULAR BELT

Series **uni ECB** — Type **C**



UNI ECB C BELT, RUNNING DIRECTION



BELT CROSS-SECTION – PITCH P AND THICKNESS T

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Closed
- Surface opening: 0%
- Front- and backflex radius: 65 mm (2.60 in)
- uni Snap link (pinless)

BELT MATERIAL & COLOR

BELT MATERIAL & COLOR
POM SI W

Non standard material and color: See uni Material and Color Overview.
POM-SI B is available as MTO and can be used as marker in belt.
Please note that uni ECB in POM-SI blue is not according to the standard color quality for blue.
Small variations may occur.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.94

BELT DATA

BELT WIDTH			PERMISSIBLE TENSILE FORCE (BELT MATERIAL) POM-SI		WEIGHT (BELT MATERIAL) POM-SI		MIN NO DRIVE SPROCKET PER SHAFT *	NUMBER OF WEAR STRIPS (MIN NO)	
	MM	IN	N	LB	KG/M	LB/FT		** CARRY (PCS)	** RETURN (PCS)
K1600	402	15.8	4400	899	5.0	3.36	3	3	2
K1800	452	17.8	5500	1236	6.2	4.44	4	4	2
K2000	501	19.8	5500	1236	6.6	4.17	4	4	2
K2400	603	23.7	6600	1484	7.5	5.04	5	5	3
K3000	754	29.7	7700	1731	9.3	6.25	6	6	3
K3200	806	31.7	8800	1978	10.0	6.72	6	6	3

General belt tolerance is +0/-0.4% at 23°C/73°F.
**Max. Load per Drive Sprocket. Belt material: 1500 N (337 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
All materials are FDA approved for use with food contact. uni ECB complies to the following standards; EC 1935/2004, EU 10/2011, NSF/ANSI/3-A STANDARD 14159-1.
Material temperature range: -40 to +90°C (-40 to +194°F).
Non standard belt widths: K1600/K2400/K3200 can be bricklayed to make higher belt widths. Non standard belt widths is not recommended by uni-chains because of cleanability.
☐ = Single Link

UNI-CHAINS · UNI ECB C

UNI ECB C

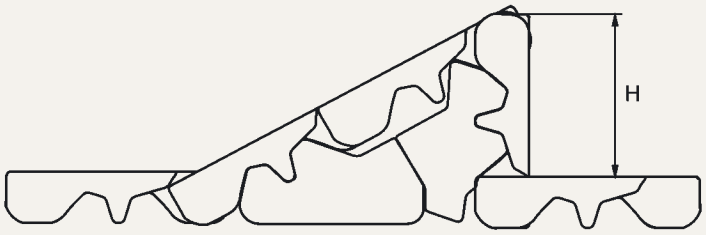
DATASHEET: UNI ECB C



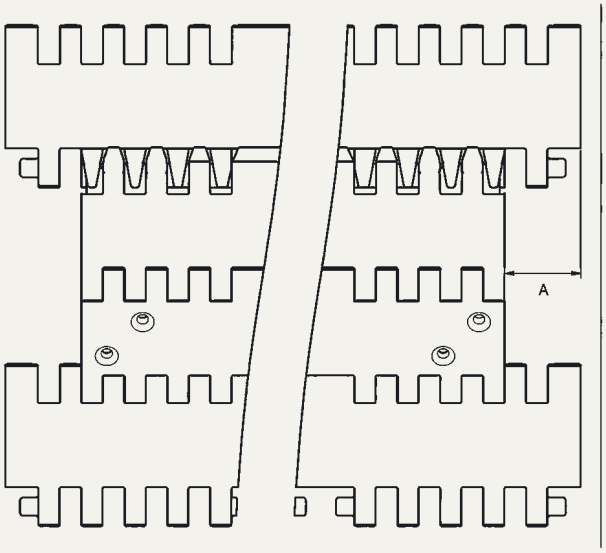
KLEENFLIGHT

ACCESSORIES - KLEENFLIGHT

TYPE	MATERIAL & COLOR	LINK COMBINATION	A		H	
			MM	IN	MM	IN
Flat	POM-SI W	K1600/K1800	25.4	1.00	53.0	2.08
Flat	POM-SI W	K1800/K2000	25.4	1.00	53.0	2.08
Flat	POM-SI W	K2000/K2400	50.8	2.00	53.0	2.08
Flat	POM-SI W	K3000/K3200	25.4	1.00	53.0	2.08



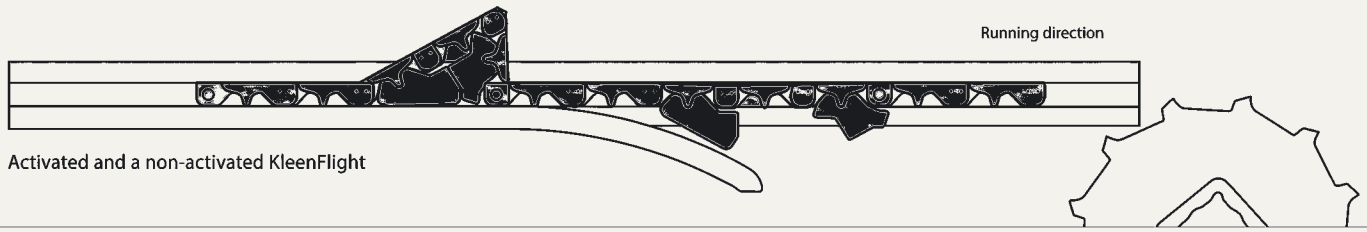
KLEENFLIGHT SIDE VIEW – H DIMENSION



KLEENFLIGHT TOP VIEW – A DIMENSION

More information about KleenFlight: See the KleenFlight Engineering Guidelines

When ordering, please state the required distance between the activated KleenFlight



ACTIVATED AND A NON-ACTIVATED KLEENFLIGHT (RUNNING DIRECTION)

UNI-CHAINS · UNI ECB C

UNI ECB C

SPROCKET DATA

SPROCKET

NO OF TEETH	BORE SIZE											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		*A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z08	x			●	●	●	■	● ■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x				●	●	● ■	● ■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10									■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x				●	●	● ■	● ■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12									■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x				●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x		x	

■ Moulded sprocket ● Moulded sprocket
Non standard material and color: See uni Material and Color Overview.

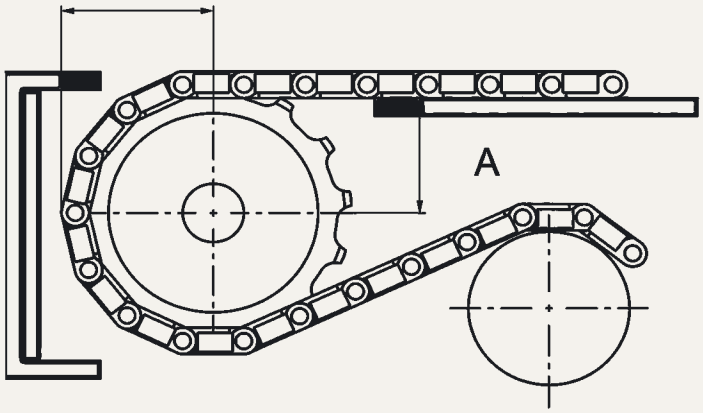


MOULDED SPROCKET (■)



MOULDED SPROCKET (●)

Round bores are always delivered with keyway



SPROCKET AND BELT LAYOUT SHOWING A- AND B-DIMENSIONS

Other sprocket sizes are available upon request.
Two-part sprockets are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 9.5 mm (0.37 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni ECB.
For more detailed sprocket information, contact Customer Service.

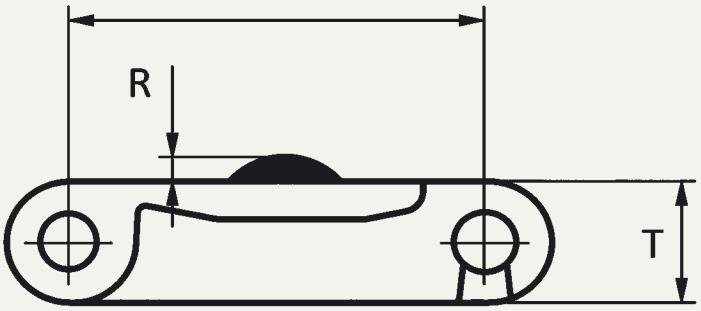
UNI-CHAINS · UNI RTB M1

UNI RTB M1

PLASTIC MODULAR BELT – SERIES UNI RTB, TYPE M1



UNI RTB M1 BELT (RUNNING DIRECTION)



LINK CROSS-SECTION WITH P, R AND T DIMENSIONS

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Roller Top
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.56 in)
- uni Snap link (pinless)

MATERIAL & COLOR

Belt material & color	POM-S (B)
Roller material & color	POM-NL (G)
Cover plate material & color	POM-NL (B)
Pin for roller material & color	SS304

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
R	3.0	0.12	-	-	-

UNI-CHAINS · UNI RTB M1

UNI RTB M1 (CONT.)



00°



30°



60°



90°



120°



150°

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)		BELT WEIGHT (BELT/PIN MATERIAL)		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-S (N)	POM-S (LBF)	POM-S (KG/M)	POM-S (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI RTB M1

UNI RTB M1

SPROCKET DATA

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	● ■	● ■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					○	○	○ □	○ □	□	□		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

■ Molded sprocket ● Molded sprocket □ Machined sprocket ○ Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■)



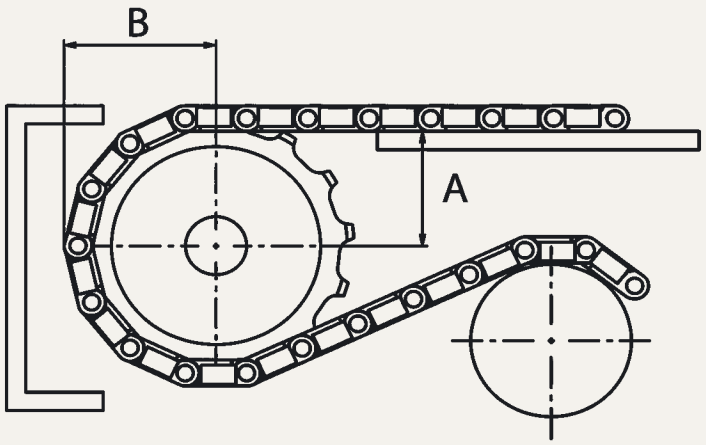
MOLDED SPROCKET (●)



MACHINED SPROCKET (□)



MACHINED SPROCKET (○)



SPROCKET AND BELT LAYOUT SHOWING A- AND B-DIMENSIONS

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 9.5 mm (0.37 in)
Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.
For more detailed sprocket information, contact Customer Service.

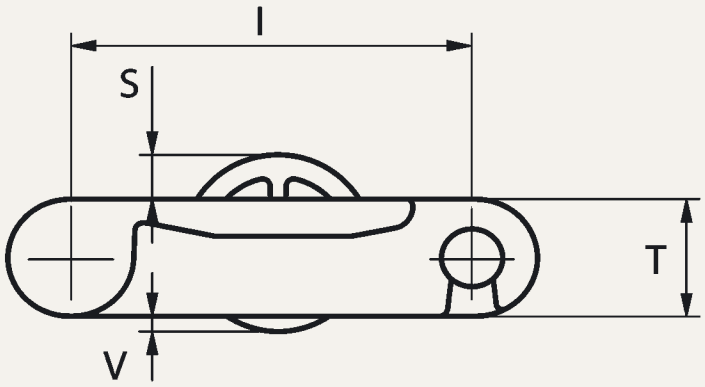
UNI-CHAINS · UNI RTB M2 RUBBER TOP

UNI RTB M2 RUBBER TOP

PLASTIC MODULAR BELT – SERIES UNI RTB, TYPE M2 RUBBER TOP



UNI RTB M2 RUBBER TOP BELT (RUNNING DIRECTION)



LINK CROSS-SECTION WITH P, S, T AND V DIMENSIONS

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Roller Top
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.56 in)
- uni Snap link (pinless)

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
S	6.0	0.24	V	2.0	0.08

MATERIAL & COLOR

Belt material & color	POM-S (B)
Roller and Rubber material & color	POM-NL (O) 01 (K)
Cover plate material & color	POM-NL (O)
Pin for roller material & color	SS304

Non standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI RTB M2 RUBBER TOP

UNI RTB M2 RUBBER TOP (CONT.)



00°



30°


60°



90°



120°



150°

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)		BELT WEIGHT (BELT/PIN MATERIAL)		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-S (N)	POM-S (LBF)	POM-S (KG/M)	POM-S (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI RTB M2 RUBBER TOP

UNI RTB M2 RUBBER TOP

DATASHEET: UNI RTB M2 RUBBER TOP

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	●■	●■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	●■	●■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					○	○	○□	○□	□	□		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

■ ● = Molded sprocket □ ○ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



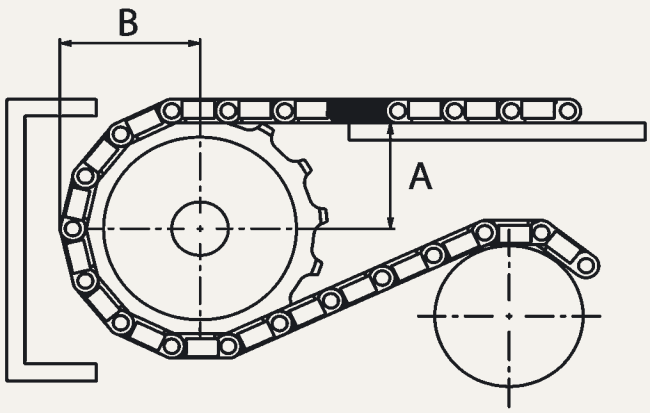
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON SPROCKET AND BELT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 9.5 mm (0.37 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI RTB M2

UNI RTB M2

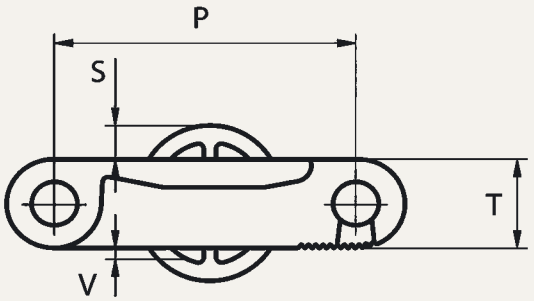
DATASHEET: UNI RTB M2

PLASTIC MODULAR BELT

Series: **uni RTB** Type: **M2**



UNI RTB M2 BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, S, T, V

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Roller Top
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.56 in)
- uni Snap link (pinless)

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
S	6.0	0.24	V	2.0	0.08

MATERIALS

Belt material & color	POM-S B
Roller material & color	POM-NL O
Cover plate material & color	POM-NL O
Pin for roller material & color	SS304

Non standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI RTB M2

UNI RTB M2 (CONT.)



00°



30°



60°



90°



120°



150°

UNI-CHAINS · UNI RTB M2

UNI RTB M2 (CONT.)

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-S		BELT WEIGHT (BELT/PIN MATERIAL) POM-S		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
153	6.0	4208	946	2.2	1.49	2	2	2
204	8.0	5611	1261	3.0	1.99	2	2	2
255	10.0	7014	1577	3.7	2.49	2	2	2
306	12.1	8417	1892	4.4	2.98	3	3	2
357	14.1	9821	2208	5.2	3.48	3	3	2
408	16.1	11224	2523	5.9	3.98	3	3	2
459	18.1	12627	2839	6.7	4.47	4	4	2
510	20.1	14031	3154	7.4	4.97	4	4	2
561	22.1	15434	3470	8.1	5.47	4	4	2
612	24.1	16837	3785	8.9	5.97	5	5	3
663	26.1	18240	4100	9.6	6.46	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
1989	78.3	54698	12296	28.8	19.38	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 51.0 MM (2.01 IN).								
2958	116.5	81345	18286	42.9	28.82	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-S 2000 N (450 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI RTB M2

UNI RTB M2

DATASHEET: UNI RTB M2

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z06	x				●	●	●	■	●■				99.5	3.92	101.6	4.00	65	2.56	36	1.42	59.3	2.33	x		x	
Z08	x				●	●	●	■	●■				132.9	5.23	132.8	5.23	65	2.56	53.3	2.10	74.9	2.95	x		x	
Z10	x					●	●	●■	●■				166.3	6.55	164.4	6.47	65	2.56	70.2	2.76	90.7	3.57	x		x	
Z10										■	■		166.3	6.55	164.4	6.47	120	4.72	70.2	2.76	90.7	3.57	x		x	
Z12	x					●	●	●■	●■				198.6	7.82	196.3	7.73	65	2.56	86.8	3.42	106.6	4.20	x		x	
Z12										■	■		198.6	7.82	196.3	7.73	120	4.72	86.8	3.42	106.6	4.20	x		x	
Z16	x					○	○	○□	○□	□	□		263.8	10.39	260.4	10.25	150	5.90	119.7	4.71	138.7	5.46	x			x

■ ● = Molded sprocket □ ○ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



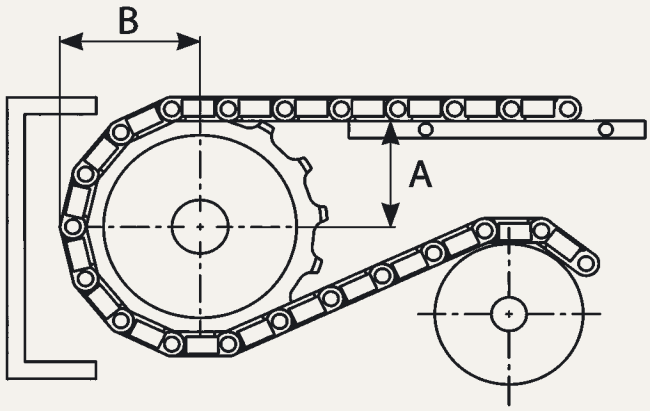
MOLDED SPROCKET



MACHINED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON SPROCKET AND BELT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 9.5 mm (0.37 in)

Width of sprocket = 42.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni BLB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI XLB M2 C

UNI XLB M2 C

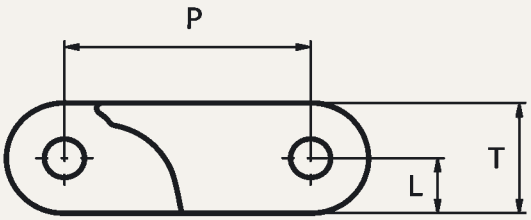
DATASHEET: UNI XLB M2 C

PLASTIC MODULAR BELT

Series: **uni XLB** Type: **M2 C**



UNI XLB M2 C BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 63.5 mm (2.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 100.0 mm (3.90 in)
- Pin diameter: ø10 mm (0.39 in)

MATERIALS

Belt material & color	POM-NLAS K	POM-NL K
Pin and lock material & color	Pin: PA6.6 N	Lock: PP D

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: SS304

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	63.5	2.50	T	30.0	1.18
L	15.0	0.59	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS/PA6.6 POM-NL/PA6.6		POM-NLAS/SS POM-NL/SS		POM-NLAS/PA6.6 POM-NL/PA6.6		POM-NLAS/SS POM-NL/SS			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
82 ***	3.2	7560	1699	8400	1888	2.6	1.75	3.4	2.30	2	2	2
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
****Type: uni XLB M1 C.*
☐ = Single Link

UNI-CHAINS · UNI XLB M2 C

UNI XLB M2 C

DATASHEET: UNI XLB M2 C

ACCESSORIES

Rubber Top / NON STANDARD



RUBBER TOP MODULE



FLAT (M1) – A AND B DIMENSIONS



FLAT – A AND B DIMENSIONS



CURVED (M1) – A AND B DIMENSIONS

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		LINK SIZE	WIDTH	
			MM	IN	MM	IN		MM	IN
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES

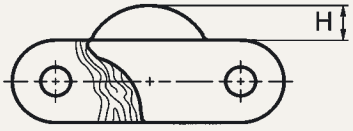
Flight



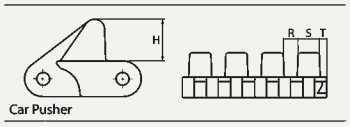
10% CURVED



CAR PUSHER



10% CURVED – H DIMENSION



CAR PUSHER – H, R, S AND T DIMENSIONS

FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		R		S		T	
		MM	IN		MM	IN	MM	IN	MM	IN	MM	IN
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86						
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI XLB M2 C

UNI XLB M2 C

DATASHEET: UNI XLB M2 C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x								■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x								■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x								■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x								□	□	□	□	□	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

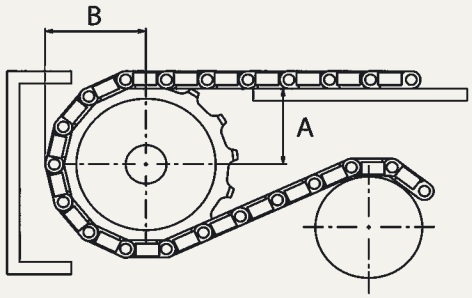
■ = Molded sprocket □ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 16.0 mm (0.63 in)
Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.
For more detailed sprocket information, contact Customer Service.

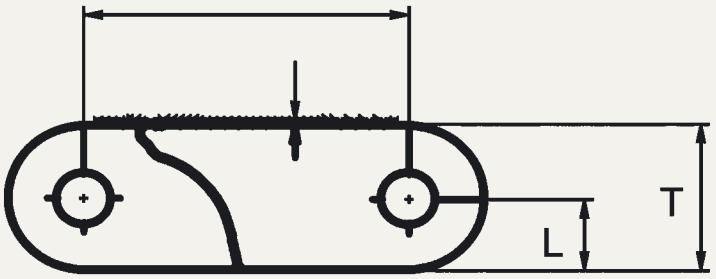
UNI-CHAINS · UNI XLB M2 ROUGH

UNI XLB M2 ROUGH

PLASTIC MODULAR BELT – SERIES UNI XLB, TYPE M2 ROUGH



UNI XLB M2 ROUGH BELT (RUNNING DIRECTION SHOWN)



LINK SECTION – P, L AND T DIMENSIONS

- Straight running belt
- Nominal pitch: 63.5 mm (2.50 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 100.0 mm (3.90 in)
- Pin diameter: ø10 mm (0.39 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM-NLAS K
Pin and lock material & color	PA6.6 N PP D

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: SS304

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	63.5	2.50	T	30.0	1.18
L	15.0	0.59	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS/PA6.6		POM-NLAS/SS		POM-NLAS/PA6.6		POM-NLAS/SS			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
□ = Single Link

UNI-CHAINS · UNI XLB M2 ROUGH

UNI XLB M2 ROUGH

DATASHEET: UNI XLB M2 ROUGH

ACCESSORIES

Rubber Top



RUBBER TOP MODULE



FLAT (M1) – A AND B DIMENSIONS



FLAT – A AND B DIMENSIONS



CURVED – A AND B DIMENSIONS

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		LINK SIZE	WIDTH	
			MM	IN	MM	IN		MM	IN
Flat	POM-NL K	05 K	7.5	0.3	2.5	0.10	K318	81.1	3.19
			7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved			14.0	0.58	4.6	0.18	K800	200.2	7.88

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES

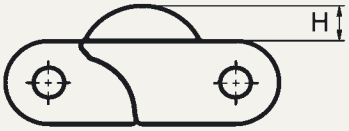
Flight



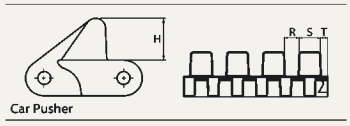
10% CURVED



CAR PUSHER



10% CURVED – H DIMENSION



CAR PUSHER – H, R, S AND T DIMENSIONS

FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		R		S		T	
		MM	IN		MM	IN	MM	IN	MM	IN	MM	IN
10% Curved	POM-D UV Y	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
				K800	199.6	7.86						
Car Pusher	POM-DK O	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI XLB M2 ROUGH

UNI XLB M2 ROUGH

DATASHEET: UNI XLB M2 ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.5 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x							■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x							■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x							■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x							□	□	□	□	□	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

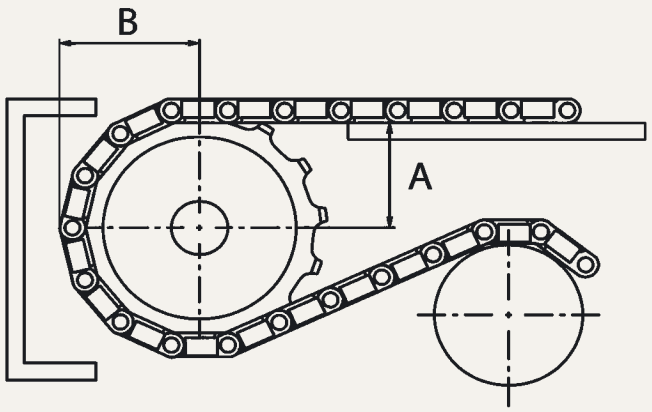
■ = Molded sprocket □ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON SPROCKET AND BELT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 16.0 mm (0.63 in)

Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI XLB M2 15% ROUGH

UNI XLB M2 15% ROUGH

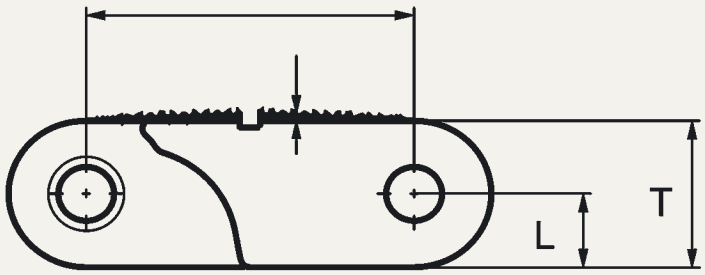
DATASHEET: UNI XLB M2 15% ROUGH

PLASTIC MODULAR BELT

Series **uni XLB** — Type **M2 15% Rough**



UNI XLB M2 15% ROUGH BELT (RUNNING DIRECTION ARROW)



LINK CROSS-SECTION SHOWING P, L AND T

- Straight running belt
- Nominal pitch: 63.5 mm (2.50 in)
- Surface type: Rough Top
- Surface opening: 15%
- Backflex radius: 100.0 mm (3.90 in)
- Pin diameter: ø10 mm (0.39 in)

MATERIAL & COLOR

Belt material & color	POM-NLAS (K)
Pin and lock material & color	PA6.6 (N) · PP (D)

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: SS304

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	63.5	2.50	T	30.0	1.18
L	15.0	0.59	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-NLAS/PA6.6		POM-NLAS/SS		POM-NLAS/PA6.6		POM-NLAS/SS			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
101	4.0	9045	2033	10050	2259	3.1	2.09	4.1	2.76	2	2	2
201	7.9	18054	4059	20060	4510	6.2	4.18	8.2	5.50	2	2	2
301	11.8	27063	6084	30070	6760	9.3	6.26	12.3	8.25	3	3	2
401	15.8	36072	8109	40080	9010	12.4	8.35	16.4	10.99	3	3	2
501	19.7	45082	10134	50091	11260	15.5	10.44	20.4	13.73	4	4	2
601	23.7	54091	12160	60101	13511	18.6	12.52	24.5	16.48	5	5	3
701	27.6	63100	14185	70111	15761	21.7	14.61	28.6	19.22	5	5	3
801	31.5	72109	16210	80121	18011	24.8	16.69	32.7	21.97	6	6	3
901	35.5	81118	18235	90131	20261	27.9	18.78	36.8	24.71	7	7	4
1001	39.4	90127	20261	100141	22512	31.0	20.86	40.9	27.46	7	7	4
1102	43.4	99136	22286	110151	24762	34.1	22.95	44.9	30.20	8	8	4
1202	47.3	108145	24311	120162	27012	37.3	25.03	49.0	32.95	9	9	5
1302	51.2	117155	26336	130172	29263	40.4	27.12	53.1	35.69	9	9	5
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
1902	74.9	171180	38481	190200	42757	59.0	39.63	77.6	52.15	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 100.1 MM (3.94 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 33.4 MM (1.31 IN.)												
2903	114.3	261270	58733	290300	65259	90.0	60.48	118.4	79.60	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-NLAS 12000 N (2698 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI XLB M2 15% ROUGH

UNI XLB M2 15% ROUGH

DATASHEET: UNI XLB M2 15% ROUGH



RUBBER TOP



FLAT (M1) – A AND B DIMENSIONS



FLAT – A AND B DIMENSIONS



CURVED – A AND B DIMENSIONS

ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		LINK SIZE	WIDTH	
			MM	IN	MM	IN		MM	IN
Flat	POM-NL (K)	05 (K)	7.5	0.3	2.5	0.10	K318	81.1	3.19
Flat	POM-NL (K)	05 (K)	7.5	0.3	2.5	0.10	K400	100.1	3.94
Curved	POM-NL (K)	05 (K)	14.0	0.58	4.6	0.18	K800	200.2	7.88

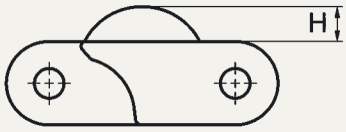
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



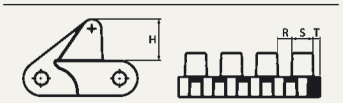
10% CURVED



CAR PUSHER



10% CURVED – H DIMENSION



CAR PUSHER – H, R, S AND T DIMENSIONS

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		R		S		T	
		MM	IN		MM	IN	MM	IN	MM	IN	MM	IN
10% Curved	POM-D UV (Y)	12.5	0.49	K400	101.6	4.00	-	-	-	-	-	-
10% Curved	POM-D UV (Y)	12.5	0.49	K800	199.6	7.86	-	-	-	-	-	-
Car Pusher	POM-DK (O)	35.0	1.38	K800	199.6	7.86	18.1	0.71	32.0	1.26	9.0	0.35

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI XLB M2 15% ROUGH

UNI XLB M2 15% ROUGH

DATASHEET: UNI XLB M2 15% ROUGH

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.5 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x							■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x							■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x							■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x							□	□	□	□	□	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

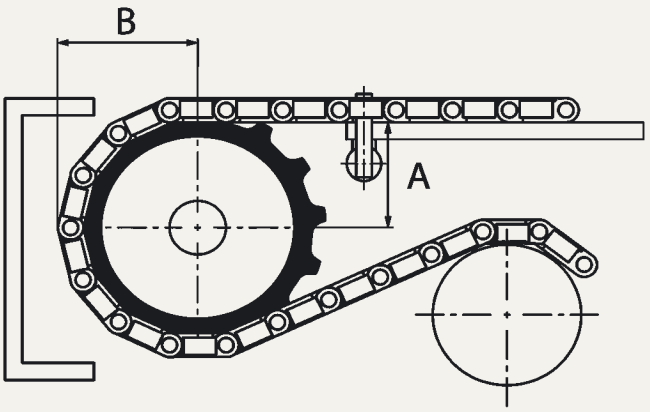
■ = Molded sprocket □ = Machined sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



A- AND B-DIMENSION ON SPROCKET AND BELT

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 16.0 mm (0.63 in)

Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI XLB M2 V8

UNI XLB M2 V8

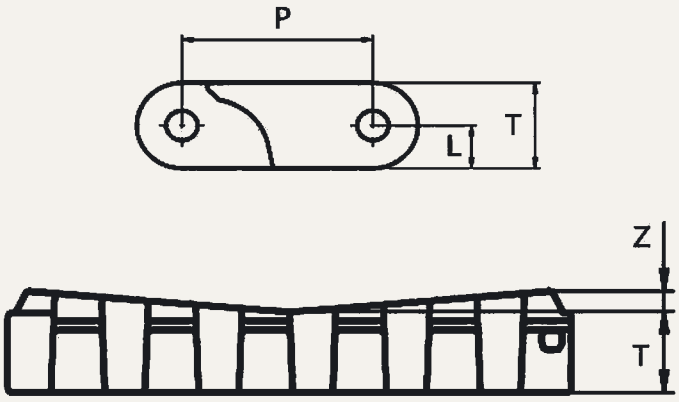
DATASHEET: UNI XLB M2 V8

PLASTIC MODULAR BELT

Series: **uni XLB** Type: **M2 V8**



UNI XLB M2 V8 BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L, Z

- Straight running belt
- Nominal pitch: 63.5 mm (2.50 in)
- Surface type: V8
- Surface opening: Closed
- Backflex radius: 120.0 mm (4.72 in)
- Pin diameter: ø10 mm (0.39 in)

MATERIALS

Belt material & color	POM-D K
Pin and lock material & color	Pin: PA6.6 N Lock: PP D

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	63.5	2.50	T	30.0	1.18
L	15.0	0.59	Z	8.0	0.31

Alternative pin and lock materials: Pin: SS304

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		POM-D/SS		POM-D/PA6.6		POM-D/SS			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
201	7.9	18090	4067	20100	4518	6.8	4.58	8.5	5.71	2	2	2
401	15.8	36104	8116	40115	9018	13.6	9.14	17.0	11.40	3	3	2
601	23.7	54117	12166	60130	13517	20.4	13.70	25.4	17.09	5	5	3
801	31.6	72131	16215	80146	18017	27.2	18.26	33.9	22.78	6	6	3

Additional standard belt widths are available in steps of 201 mm (7.91 in) Additional non-standard belt widths are available in steps of 33.4 mm (1.31 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 12000 N (2698 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

UNI-CHAINS · UNI XLB M2 V8

UNI XLB M2 V8

DATASHEET: UNI XLB M2 V8

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z10	x								■	■	■	■	■	204.3	8.04	205.5	8.09	100.0	3.94	82.7	3.26	117.8	4.64		x	x	
Z13	x								■	■	■	■	■	264.4	10.41	265.4	10.45	150.0	5.91	113.8	4.48	147.7	5.81		x	x	
Z15	x								■	■	■	■	■	306.0	12.05	305.4	12.02	150.0	5.91	134.4	5.29	167.7	6.60		x	x	
Z20	x								□	□	□	□	□	408.0	16.06	406.0	15.98	360.0	14.07	185.5	7.30	218	8.58		x		x

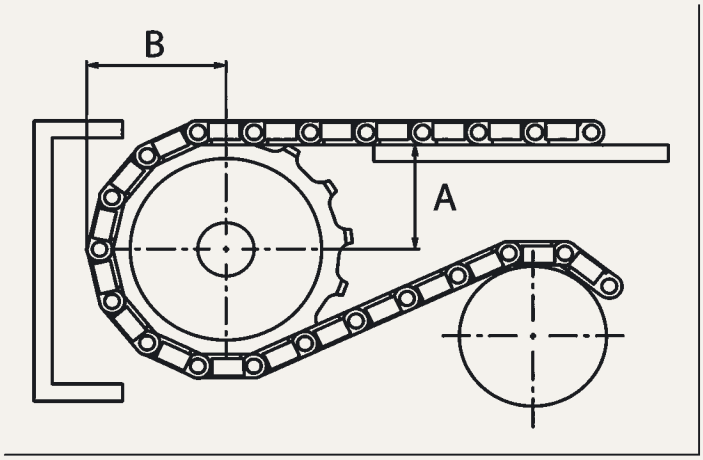
Bore-size symbols: ■ Molded sprocket □ Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 16.0 mm (0.63 in)
- Width of sprocket = 33.0 mm (1.30 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni XLB. For more detailed sprocket information, contact Customer Service.

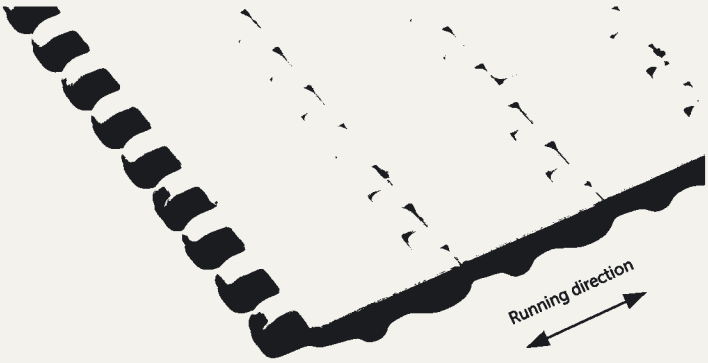
UNI-CHAINS · UNI X-MPB C

UNI X-MPB C

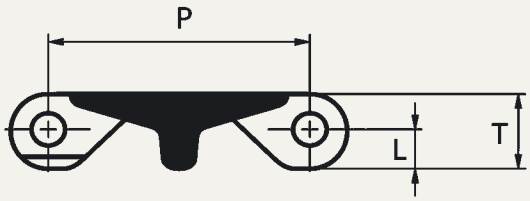
DATASHEET: UNI X-MPB C

PLASTIC MODULAR BELT

Series: **uni X-MPB** Type: **C**



UNI X-MPB C BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 63.5 mm (2.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75 mm (2.95 in)
- Pin diameter: ø8 mm (0.31 in)

MATERIALS

Belt material & color	POM-DI W PE-I N
Pin and lock material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	63.5	2.50	T	19.1	0.75
L	10.1	0.40	-	-	-

Alternative pin and lock materials: Lockpin: PP W PBT LG

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-DI/PA6.6		PE-I/PA6.6		POM-DI/PA6.6		PE-I/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
76	3.0	2280	513	760	171	1.1	0.75	0.8	0.51	2	2	2
151	6.0	4545	1022	1515	341	2.2	1.49	1.5	1.02	2	2	2
227	8.9	6809	1531	2270	510	3.3	2.23	2.3	1.53	2	2	2
302	11.9	9074	2040	3025	680	4.4	2.97	3.0	2.03	3	3	2
378	14.9	11339	2549	3780	850	5.5	3.71	3.8	2.54	3	3	2
453	17.9	13603	3058	4534	1019	6.6	4.45	4.5	3.05	4	4	2
529	20.8	15868	3567	5289	1189	7.7	5.19	5.3	3.55	4	4	2
604	23.8	18133	4076	6044	1359	8.8	5.93	6.0	4.06	5	5	3
680	26.8	20397	4585	6799	1528	9.9	6.67	6.8	4.57	5	5	3
755	29.7	22662	5094	7554	1698	11.0	7.41	7.6	5.08	6	6	3
831	32.7	24927	5604	8309	1868	12.1	8.15	8.3	5.58	6	6	3
906	35.7	27191	6113	9064	2038	13.2	8.89	9.1	6.09	7	7	4
982	38.7	29456	6622	9819	2207	14.3	9.63	9.8	6.60	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 75.5 MM (2.97 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.2 MM (0.99 IN.)												
1963	77.3	58890	13238	19630	4413	28.7	19.26	19.6	13.19	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 75.5 MM (2.97 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.2 MM (0.99 IN.)												
2945	115.9	88350	19861	29450	6620	43.0	28.90	29.5	19.79	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-DI 4000 N (899 lbf), PE-I 3000 N (674 lbf)*

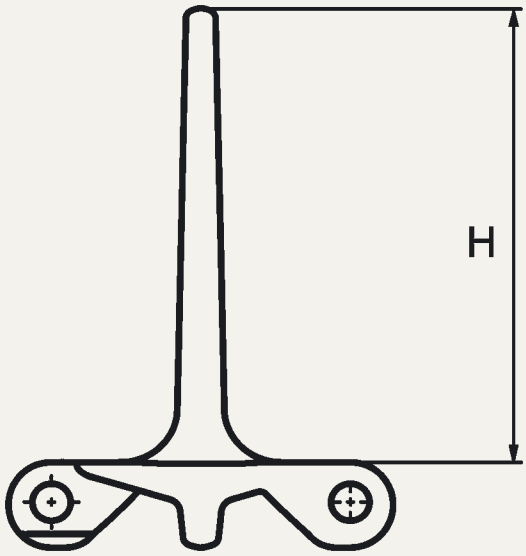
UNI-CHAINS · UNI X-MPB C

UNI X-MPB C

DATASHEET: UNI X-MPB C



ACCESSORIES – FLIGHT, FLAT



FLIGHT HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Flat	POM-DI W	101.6	4.00	K600	151.0	5.94	0.0	0.00

Non Standard material and color: See uni Material and Color Overview.

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x						●	●	●■	●				124.2	4.89	126.0	4.96	70.0	2.76	44.9	1.77	72.5	2.85		x	x	
Z08	x								●■	●				165.6	6.52	164.6	6.48	70.0	2.76	66.6	2.62	92.0	3.62		x	x	
Z10	x								●■	●				206.6	8.13	203.9	8.03	70.0	2.76	87.6	3.45	111.7	4.40		x	x	
Z13	x								○□	○		□		267.8	10.54	265.3	10.44	150.0	5.91	118.7	4.67	141.7	5.58		x		x

Bore-size symbols correspond to the four sprocket versions illustrated below: ■ Molded sprocket ● Machined sprocket □ Molded sprocket ○ Machined sprocket.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MACHINED SPROCKET



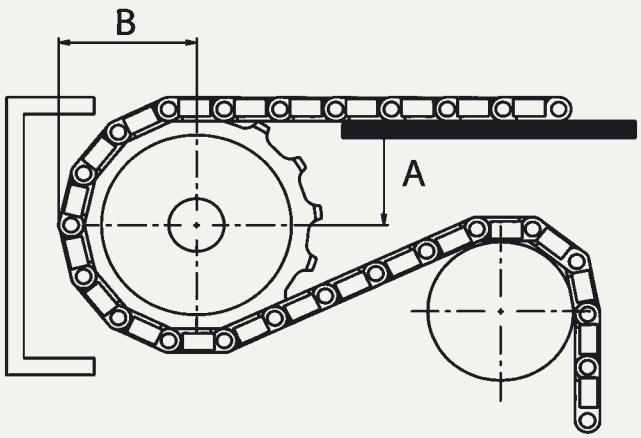
MOLDED SPROCKET



MACHINED SPROCKET

UNI-CHAINS · UNI X-MPB C

UNI X-MPB C (CONT.)



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth = 12.0 mm (0.47 in)
- Width of sprocket = 43.3 mm (1.67 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni X-MPB. For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI M-PNB M1 40%

UNI M-PNB M1 40%

DATASHEET: UNI M-PNB M1 40%

PLASTIC MODULAR BELT

Series **uni M-PNB** Type **M1 40%**



UNI M-PNB M1 40% BELT (RUNNING DIRECTION)



LINK CROSS-SECTION – PITCH P AND THICKNESS T

STRAIGHT RUNNING

- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: 40%
- Backflex radius: 12.5 mm (0.49 in)
- Running in both directions is possible. uni-chains recommends this travel direction.

BELT MATERIAL & COLOR

ITEM	MATERIAL	COLORS
Belt material & color	POM-S	B, W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

SYMBOL	MM	IN
P (Nominal)	12.7	0.50
T	6.4	0.25

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT MATERIAL) POM-S		BELT WEIGHT (BELT MATERIAL) POM-S		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
51	2.0	102	23	0.2	0.15	2	2	2
102	4.0	203	46	0.5	0.31	2	2	2
152	6.0	305	69	0.7	0.46	3	2	2
203	8.0	406	91	0.9	0.61	4	2	2
254	10.0	508	114	1.1	0.77	5	2	2
305	12.0	610	137	1.4	0.92	6	3	2
356	14.0	711	160	1.6	1.08	7	3	2
406	16.0	813	183	1.8	1.23	8	3	2
457	18.0	914	206	2.1	1.38	9	4	2
508	20.0	1016	228	2.3	1.54	10	4	2
559	22.0	1118	251	2.5	1.69	11	4	2
610	24.0	1219	274	2.7	1.84	12	5	3
660	26.0	1321	297	3.0	2.00	13	5	3
711	28.0	1422	320	3.2	2.15	14	5	3
762	30.0	1524	343	3.4	2.30	15	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.7 MM (2.00 IN.)								
1979	77.9	3958	890	8.9	5.98	39	14	7

UNI-CHAINS · UNI M-PNB M1 40%

UNI M-PNB M1 40%

DATASHEET: UNI M-PNB M1 40%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	MOLDED (PA6 LG)	MACHINED (PA6 N)
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z08	x				15 mm									34.0	1.34	34.3	1.35	25.0	0.98	12.2	0.48	20.2	0.80	x			x
Z10	x		●	●										42.4	1.67	42.1	1.66	32.0	1.26	16.4	0.65	24.0	0.94	x			x
Z14	x		●	●	■	■								59.0	2.32	57.9	2.28	50.0	1.97	24.6	0.97	31.9	1.26	x			x
Z17	x				● ■	● ■	●	●						71.3	2.81	69.8	2.75	60.0	2.36	30.8	1.21	37.9	1.49	x			x
Z19	x					●	●	●	■	● ■				79.5	3.13	77.9	3.07	70.0	2.76	34.9	1.37	41.9	1.65	x			x
Z24	x					●	●	●	■	● ■				91.0	3.58	97.9	3.85	90.0	3.54	45.1	1.78	52.0	2.05	x			x
Z28	x					●	●	●	■	● ■				107.1	4.22	114	4.49	105.0	4.13	53.2	2.09	60.0	2.36	x			x
Z36	x						●	●	● ■	● ■				148.5	5.85	146.2	5.76	130.0	5.12	69.4	2.73	76.1	3.00	x			x

■ = Machined sprocket ● = Machined sprocket

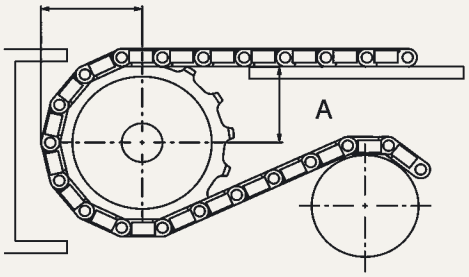
Non standard material and color: See uni Material and Color Overview.



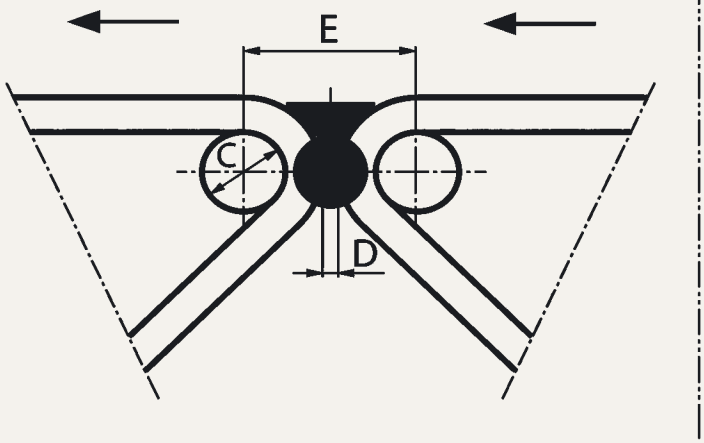
MACHINED SPROCKET



MACHINED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS



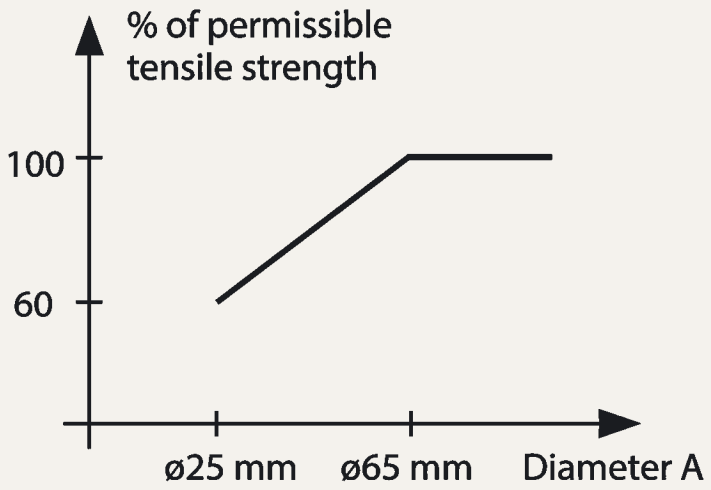
NOSEBARS MIN. DIMENSIONS – C, D, E

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	25.0	0.98
D	5.0	0.20
E	46.0	1.81

UNI-CHAINS · UNI M-PNB M1 40%

UNI M-PNB M1 40% (CONT.)



REDUCTION OF STRENGTH – % OF PERMISSIBLE TENSILE STRENGTH VS. DIAMETER A (100% ABOVE Ø65 MM / ~2.5 IN.; 60% AT Ø25 MM / ~1 IN.)

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 12.0 mm (0.47 in)

Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-PNB.

For more detailed sprocket information. contact Customer Service.

UNI-CHAINS · UNI M-SNB M2 14%

UNI M-SNB M2 14%

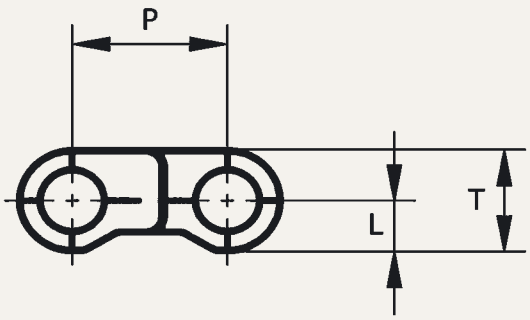
DATASHEET: UNI M-SNB M2 14%

PLASTIC MODULAR BELT

Series **uni M-SNB** Type **M2 14%**



UNI M-SNB M2 14% BELT (RUNNING DIRECTION)



LINK CROSS-SECTION – P, T AND L

STRAIGHT RUNNING BELT

- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: 14%
- Backflex radius: 20.0 mm (0.80 in)
- Pin diameter: 5 mm (0.20 in)

MATERIALS & COLORS

ITEM	MATERIAL	COLORS
Belt material & color	POM-D	B
Pin material & color	PP	B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: G-lock: PA6.6 N | Pin: PA6.6 B, PE W, PBT LG, SS304 | Endlock: PP B, W | Lockpin: PBT LG, PA6.6 D, PP W, PE N

BELT DIMENSIONS

SYMBOL	MM	IN	SYMBOL	MM	IN
P (Nominal)	12.7	0.50	T	8.8	0.35
L	4.4	0.17	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-D/PP		BELT WEIGHT (BELT/PIN MATERIAL) POM-D/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	1155	260	0.5	0.33	2	2	2
153	6.0	2295	516	1.0	0.65	2	2	2
229	9.0	3435	772	1.4	0.97	2	2	2
305	12.0	4575	1028	1.9	1.29	3	3	2
381	15.0	5715	1285	2.4	1.61	3	3	2
458	18.0	6870	1544	2.9	1.94	4	4	2
534	21.0	8010	1801	3.4	2.26	4	4	2
610	24.0	9150	2057	3.8	2.58	5	5	3
686	27.0	10290	2313	4.3	2.90	5	5	3
762	30.0	11430	2569	4.8	3.23	6	6	3
839	33.0	12585	2829	5.3	3.55	6	6	3
915	36.0	13725	3085	5.8	3.87	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.2 MM (3.00 IN) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).								
1982	78.0	29730	6683	12.5	8.39	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.2 MM (3.00 IN) ADDITIONAL NON-STANDARD								

UNI-CHAINS · UNI M-SNB M2 14%

UNI M-SNB M2 14%

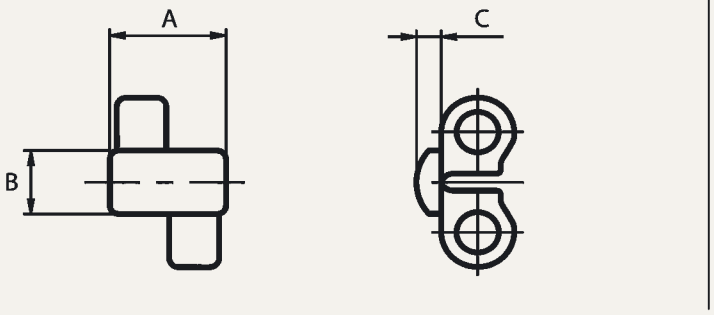
DATASHEET: UNI M-SNB M2 14%

ACCESSORIES

Top/Bottom Insert



TOP/BOTTOM INSERT FITTED IN BELT



TOP/BOTTOM INSERT – A, B AND C DIMENSIONS

TOP/BOTTOM INSERT

TYPE	RUBBER MATERIAL & COLOR	A		B		C	
		MM	IN	MM	IN	MM	IN
Rubber	01 N	14.0	0.55	8.0	0.31	3.0	0.12

Rubber inserts can be assembled in any belt surface upon customer request.
Non Standard material and color: See uni Material and Color Overview.

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	MOLDED (PA6 LG)	MACHINED (PA6 N)
		IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54														
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x													41.5	1.63	41.6	1.64	28.0	1.10	16.1	0.63	25.0	0.98	x		x	
Z19	x				●	●■	●	●	■					79.0	3.11	78.1	3.07	65.0	2.56	34.1	1.34	43.0	1.69	x		x	
Z28	x					●	●	●	■	●■				116.2	4.57	115	4.53	65.0	2.56	52.2	2.06	61.1	2.41	x		x	
Z38	x						●	●	●■	●■				157.4	6.20	156	6.14	100.0	2.95	72.5	2.85	81.3	3.20	x		x	

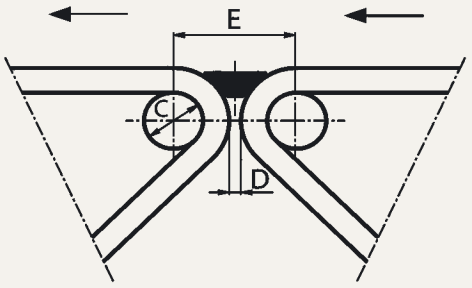
■ = Molded sprocket ● = Molded sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



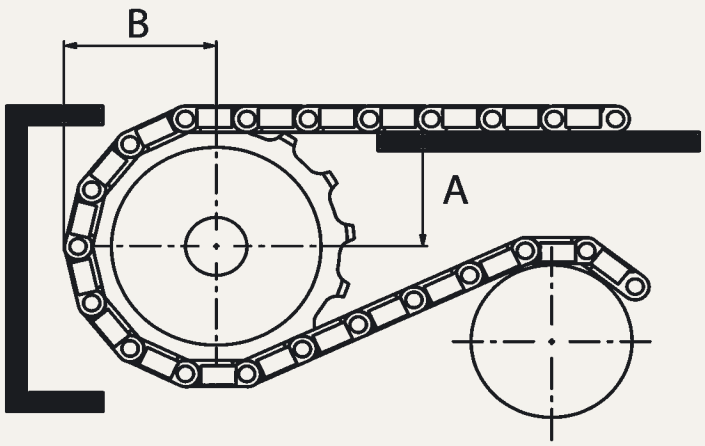
NOSEBARS MIN. DIMENSIONS – C, D, E

UNI-CHAINS · UNI M-SNB M2 14%

UNI M-SNB M2 14% (CONT.)

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64



SPROCKET POSITION – A AND B DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 7.0 mm (0.28 in)

Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-SNB.

For more detailed sprocket information. contact Customer Service.

UNI-CHAINS · UNI M-SNB M3 14%

UNI M-SNB M3 14%

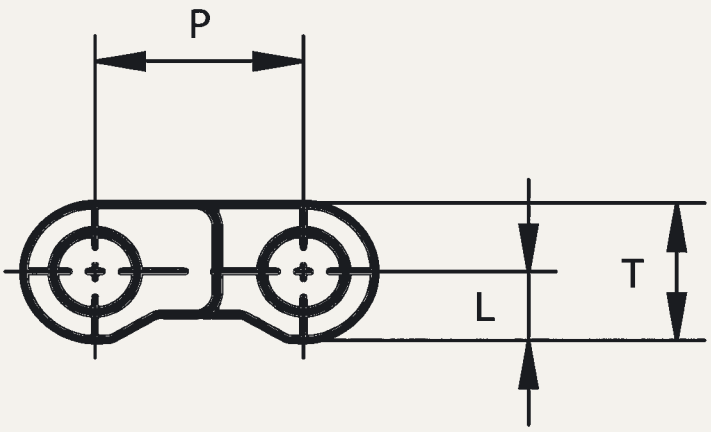
DATASHEET: UNI M-SNB M3 14%

PLASTIC MODULAR BELT

Series **uni M-SNB** Type **M3 14%**



UNI M-SNB M3 14% BELT – RUNNING DIRECTION



BELT LINK DIMENSIONS P, L AND T

BELT DATA

- Straight running belt
- Nominal pitch: 12.7 mm (0.50 in)
- Surface type: Flat
- Surface opening: 14%
- Backflex radius: 20.0 mm (0.80 in)
- Pin diameter: ø5 mm (0.20 in)

MATERIALS

	MATERIAL & COLOR			
Belt material & color	POM-D B	POM-LF BR	PP W	PE N
Pin material & color	PP B	PP W		PE N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	12.7	0.50	T	8.8	0.35
L	4.4	0.17	-	-	-

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: G-lock: PA6.6 N · Pin: PA6.6 B, PE W, PBT LG, SS304 · Endlock: PP B, W

Lockpin: PBT LG, PA6.6 D, PP B, W, PE N

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM/PP		PP/PP		PE/PE		POM/PP		PP/PP		PE/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1155	260	578	130	347	78	0.5	0.33	0.3	0.21	0.3	0.23	2	2	2
153	6.0	2295	516	1148	258	689	155	1.0	0.65	0.6	0.42	0.7	0.45	2	2	2
229	9.0	3435	772	1718	386	1031	232	1.4	0.97	0.9	0.63	1.0	0.68	2	2	2
305	12.0	4575	1028	2288	514	1373	309	1.9	1.29	1.3	0.84	1.3	0.90	3	3	2
381	15.0	5715	1285	2858	642	1715	385	2.4	1.61	1.6	1.05	1.7	1.13	3	3	2
458	18.0	6870	1544	3435	772	2061	463	2.9	1.94	1.9	1.26	2.0	1.35	4	4	2
534	21.0	8010	1801	4005	900	2403	540	3.4	2.26	2.2	1.47	2.3	1.58	4	4	2
610	24.0	9150	2057	4575	1028	2745	617	3.8	2.58	2.5	1.68	2.7	1.80	5	5	3
686	27.0	10290	2313	5145	1157	3087	694	4.3	2.90	2.8	1.89	3.0	2.03	5	5	3
762	30.0	11430	2569	5715	1285	3429	771	4.8	3.23	3.1	2.10	3.4	2.25	6	6	3
839	33.0	12585	2829	6293	1415	3776	849	5.3	3.55	3.4	2.31	3.7	2.48	6	6	3

UNI-CHAINS · UNI M-SNB M3 14%

UNI M-SNB M3 14%

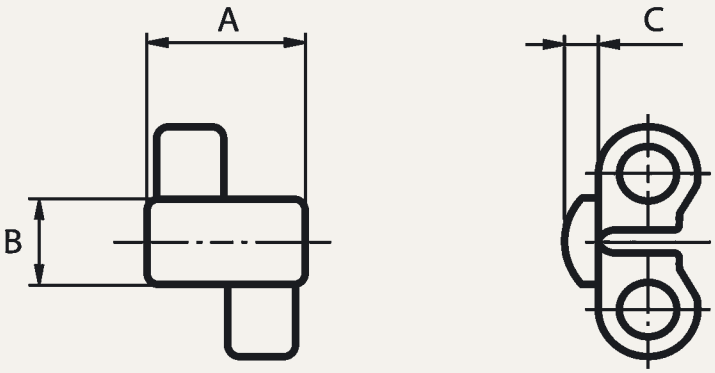
DATASHEET: UNI M-SNB M3 14%

ACCESSORIES

Top/Bottom Insert



RUBBER TOP/BOTTOM INSERT FITTED IN THE BELT



INSERT DIMENSIONS A, B AND C

TOP/BOTTOM INSERT

TYPE	RUBBER MATERIAL & COLOR	A		B		C	
		MM	IN	MM	IN	MM	IN
Rubber	01 N	14.0	0.55	8.0	0.31	3.0	0.12

Rubber inserts can be assembled in any belt surface upon customer request.
Non Standard material and color: See uni Material and Color Overview.

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.5	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z10	x												41.5	1.63	41.6	1.64	28.0	1.10	16.1	0.63	25.0	0.98	x		x		
Z19	x			●	■	●	●	■					79.0	3.11	78.1	3.07	65.0	2.56	34.1	1.34	43.0	1.69	x		x		
Z28	x				●	●	●	■	■				116.2	4.57	115	4.53	65.0	2.56	52.2	2.06	61.1	2.41	x		x		
Z38	x					●	●	■	■				157.4	6.20	156	6.14	100.0	2.95	72.5	2.85	81.3	3.20	x		x		

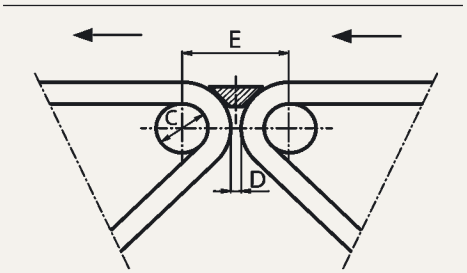
■ *Molded sprocket* ● *Molded sprocket*
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



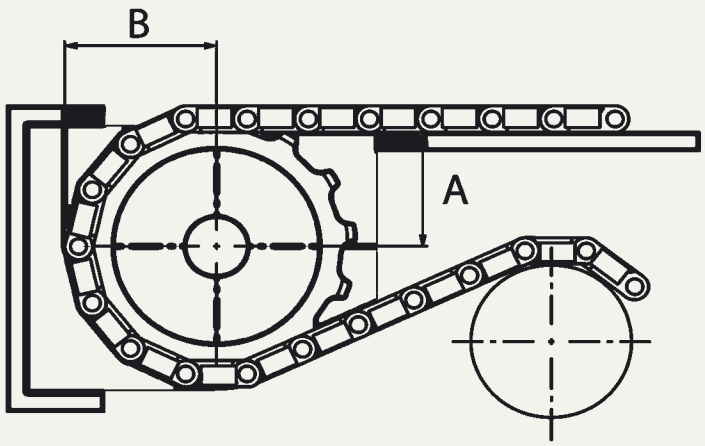
NOSEBARS MIN. DIMENSIONS – C, D AND E

UNI-CHAINS · UNI M-SNB M3 14%

UNI M-SNB M3 14% (CONT.)

NOSEBARS MIN. DIMENSIONS

	MM	IN
C	20.0	0.79
D	4.0	0.16
E	41.6	1.64



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet.
Width of tooth = 7.0 mm (0.28 in)
Width of sprocket = 20.0 mm (0.79 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni M-SNB.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT C

UNI LIGHT C

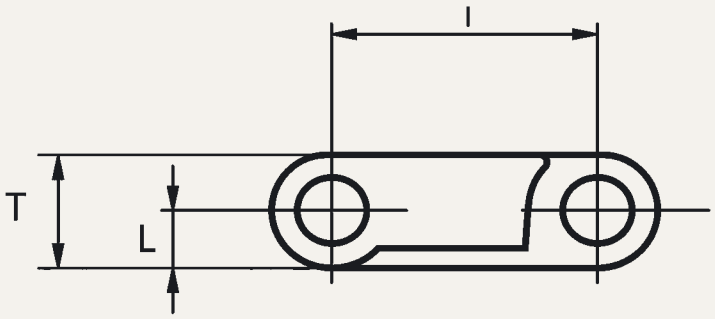
DATASHEET: UNI LIGHT C

PLASTIC MODULAR BELT

Series **uni Light** Type **C**



UNI LIGHT C BELT – RUNNING DIRECTION



BELT LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 25.0 mm (2.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIALS

MATERIAL & COLOR				
Belt material & color	POM-LF BR	PP W, G, K	PP B	PA6 K
Pin and lock material & color	PP W	PP W	PP B	PBT-GR N PP G

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	-	-	-

ALTERNATIVE MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE W, PP W, PA6.6 N, B, PBT LG, SS304 · PP W · Lockpin: PBT LG, PA6.6 D, N, PP W, B

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PP		PP/PP		PA6/PBT-GR		POM-LF/PP		PP/PP		PA6/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)																
1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7

UNI-CHAINS · UNI LIGHT C

UNI LIGHT C

DATASHEET: UNI LIGHT C

ACCESSORIES

Rubber Top



RUBBER TOP BELT



FLAT – RUBBER TOP PROFILE, DIMENSIONS A AND B



ROUGH – RUBBER TOP PROFILE, DIMENSIONS A, B AND C

RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

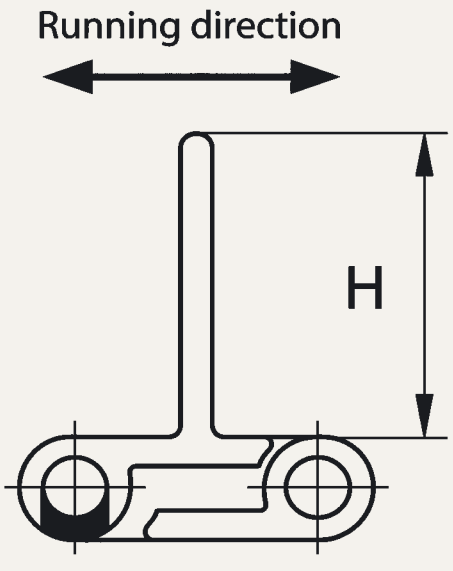
Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES

Flight



FLIGHT



FLIGHT HEIGHT H AND RUNNING DIRECTION

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
	PP-I W, G							

UNI-CHAINS · UNI LIGHT C

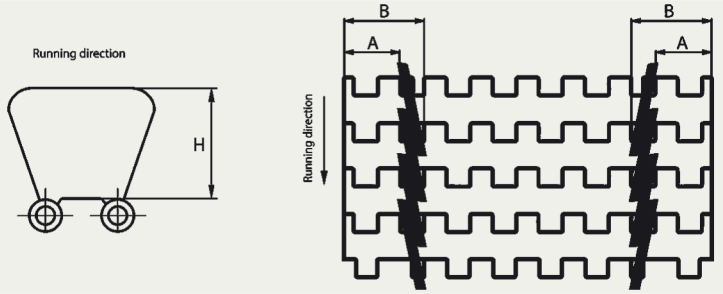
UNI LIGHT C

ACCESSORIES: SIDE GUARD & TAB

ACCESSORIES - SIDE GUARD



SIDE GUARD



SIDE GUARD DIMENSIONS H, A AND B; RUNNING DIRECTION SHOWN

SIDE GUARD

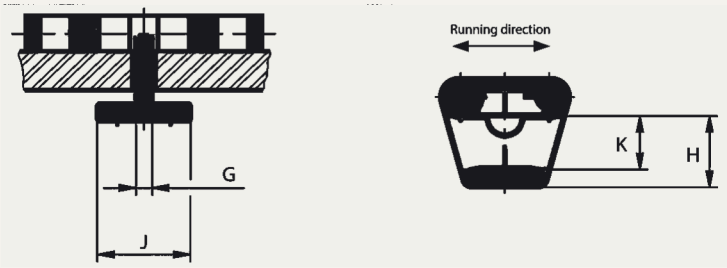
TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION SHOWN

TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT C

UNI LIGHT C

SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE — IN (MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 (19.1)	0.78 (20.0)	0.98 (25.0)	1.00 (25.4)	1.18 (30.0)	1.25 (31.8)	1.50 (38.1)	1.57 (40.0)	2.36 (60.0)	2.50 (63.5)	3.54 (90.0)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

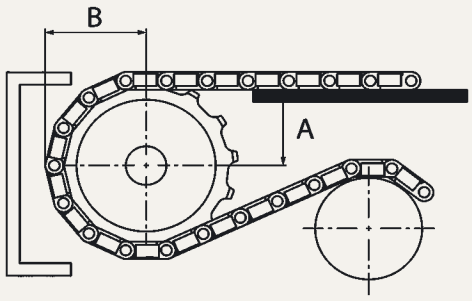
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET A- AND B-DIMENSION REFERENCE

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth = 4.8 mm (0.19 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT 10%

UNI LIGHT 10%

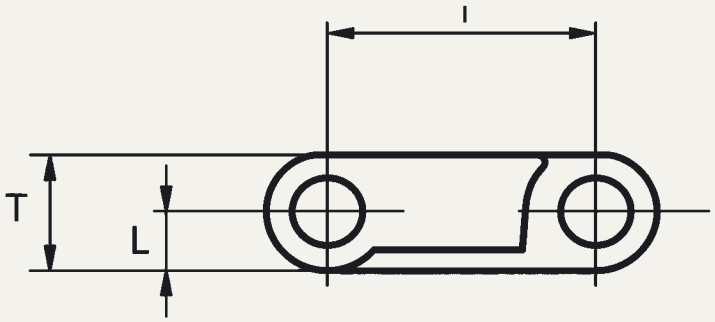
PLASTIC MODULAR BELT – STRAIGHT RUNNING, PITCH 19.1 MM (0.75 IN)

PLASTIC MODULAR BELT

Series: **uni Light** · Type: **10%**



UNI LIGHT 10% BELT, RUNNING DIRECTION SHOWN



LINK WITH PITCH P, THICKNESS T AND DIMENSION L

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Flat
- Surface opening: 10%
- Backflex radius: 25.0 mm (2.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM-LF BR
Pin material & color	PP W

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W · PP W · PA6.6 N B · PBT LG · SS304 | PP W | Lockpin: PBT LG · PA6.6 D N · PP W B

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	-	-	-

BELT WIDTHS, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-LF/PP		BELT WEIGHT (BELT/PIN MATERIAL) POM-LF/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	789	177	0.5	0.32	2	2	2
115	4.5	1175	264	0.7	0.48	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)								
1910	75.2	19578	4401	11.8	7.96	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)								

UNI-CHAINS · UNI LIGHT 10%

UNI LIGHT 10%

ACCESSORIES: RUBBER TOP & FLIGHT

ACCESSORIES - RUBBER TOP



RUBBER TOP BELT



FLAT – DIMENSIONS A AND B



ROUGH – DIMENSIONS A, B AND C

RUBBER TOP

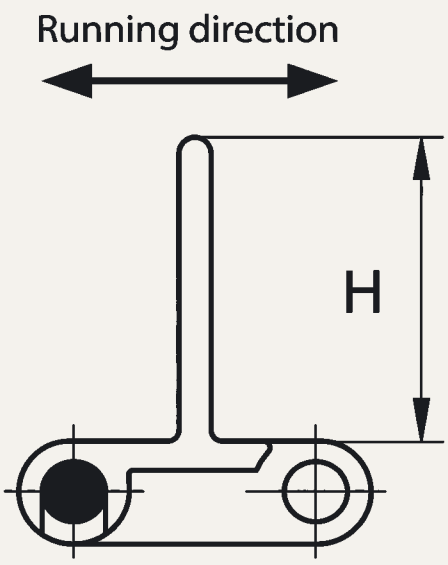
TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat / Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.

ACCESSORIES - FLIGHT



FLIGHT



FLIGHT HEIGHT H; RUNNING DIRECTION SHOWN

FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
Non Stick	PP-I W G / PA6 K / 04 K	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G / PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G / PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00

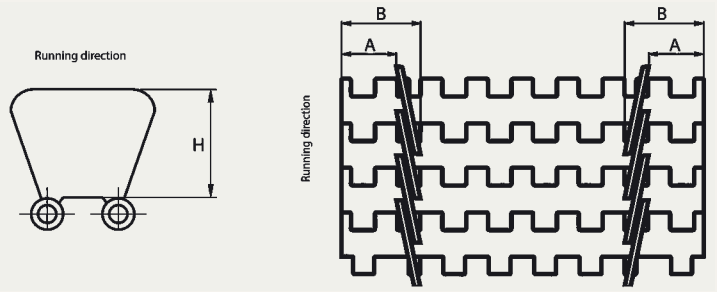
UNI-CHAINS · UNI LIGHT 10%

UNI LIGHT 10%

DATASHEET: UNI LIGHT 10%



ACCESSORIES – SIDE GUARD

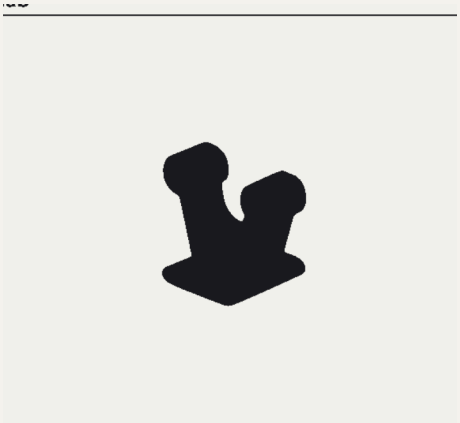


SIDE GUARD DIMENSIONS H, A AND B (RUNNING DIRECTION)

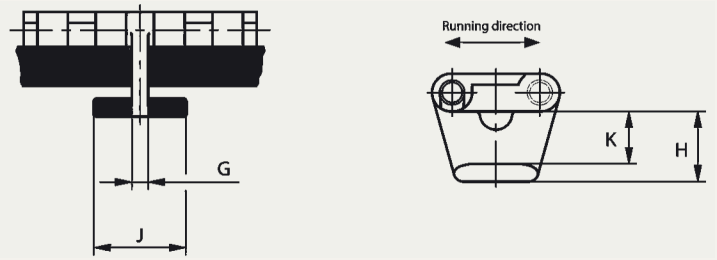
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES – TAB (BOTTOM HOLD DOWN)



TAB DIMENSIONS G, J, K AND H (RUNNING DIRECTION)

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT 10%

UNI LIGHT 10%

DATASHEET: UNI LIGHT 10%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x		●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x					●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x				●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x					●	●	●	■	●■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x						●	●	●■	●■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

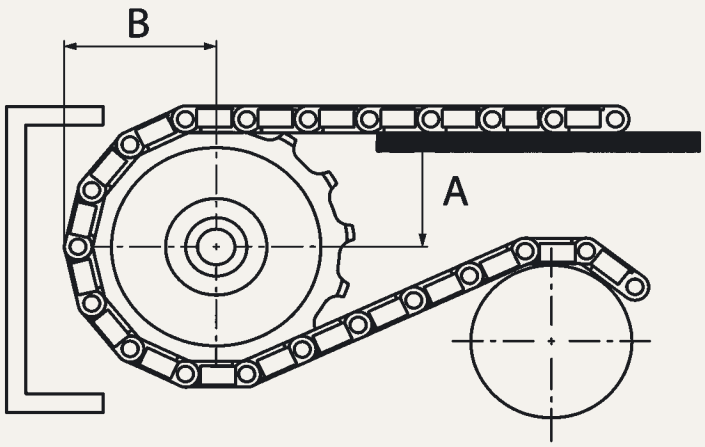
■ Molded sprocket (square bore) ● Molded sprocket (round bore).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 4.8 mm (0.19 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT 22%

UNI LIGHT 22%

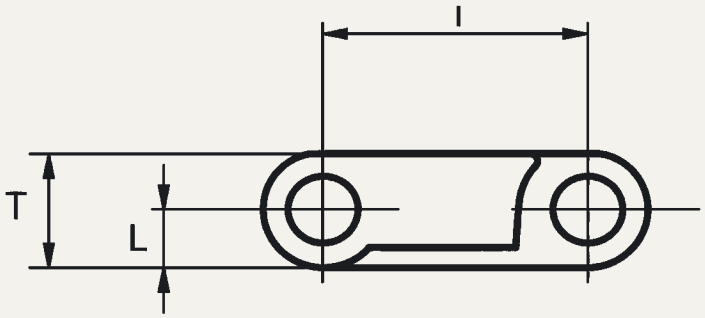
DATASHEET: UNI LIGHT 22%

PLASTIC MODULAR BELT

Series: **uni Light** — Type: **22%**



UNI LIGHT 22% BELT SURFACE



LINK SECTION – PITCH P, THICKNESS T AND LENGTH L

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 25.0 mm (2.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIALS

	MATERIAL & COLOR
Belt material & color	POM-LF BR PP G
Pin material & color	PP W

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W, PP W, PA6.6 N B, PBT LG, SS304, PP W | Lockpin: PBT LG, PA6.6 D N, PP W B

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	-	-	-

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PP		PP/PP		POM-LF/PP		PP/PP			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)												
1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)												
2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*

UNI-CHAINS · UNI LIGHT 22%

UNI LIGHT 22%

DATASHEET: UNI LIGHT 22%



ACCESSORIES – RUBBER TOP



FLAT



ROUGH

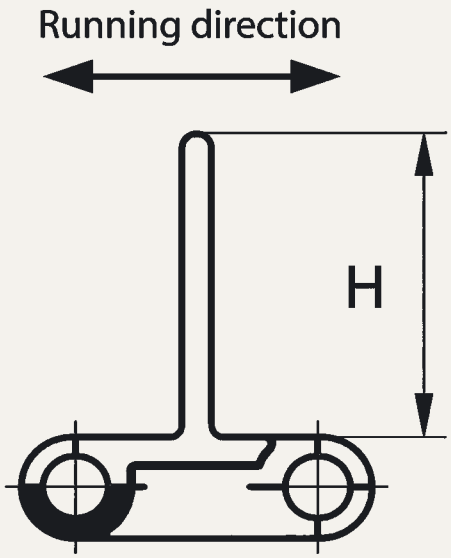
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat / Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



ACCESSORIES – FLIGHT



FLIGHT HEIGHT H (RUNNING DIRECTION)

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
Non Stick	PP-I W G / PA6 K / 04 K	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G / PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G / PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G / PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G / 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

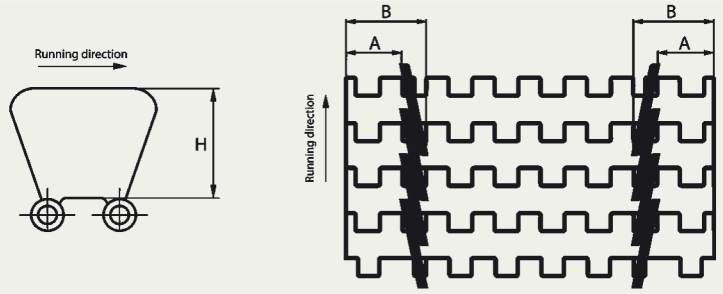
UNI-CHAINS · UNI LIGHT 22%

UNI LIGHT 22%

DATASHEET: UNI LIGHT 22%



ACCESSORIES – SIDE GUARD, CLOSED



SIDE GUARD CROSS-SECTION (H) AND PLAN VIEW (A, B) WITH RUNNING DIRECTION

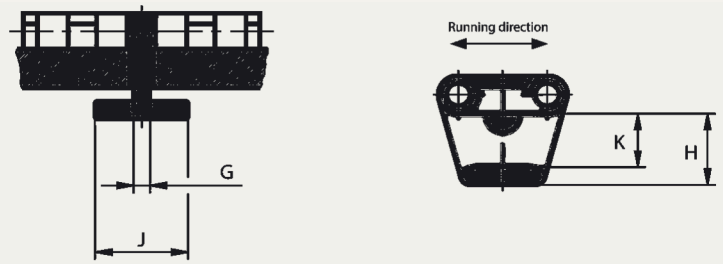
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES – TAB, BOTTOM HOLD DOWN



TAB SECTION (G, J) AND END VIEW (K, H) WITH RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT 22%

UNI LIGHT 22%

DATASHEET: UNI LIGHT 22%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

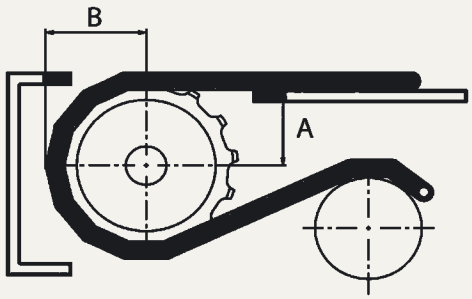
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET (SQUARE BORE)



● MOLDED SPROCKET (ROUND BORE)



SPROCKET POSITION: A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 4.8 mm (0.19 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.

For more detailed sprocket information. contact Customer Service.

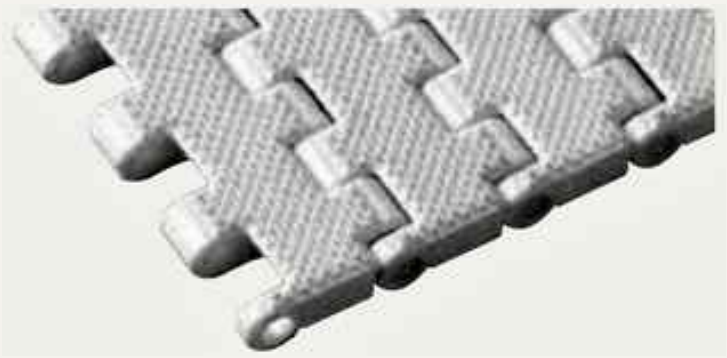
UNI-CHAINS · UNI LIGHT ROUGH

UNI LIGHT ROUGH

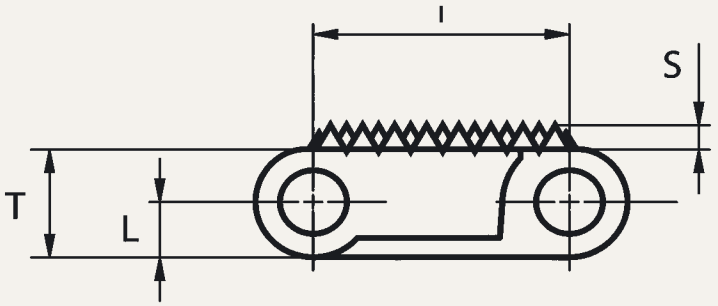
DATASHEET: UNI LIGHT ROUGH

PLASTIC MODULAR BELT

Series **uni Light** Type **Rough**



UNI LIGHT ROUGH BELT, RUNNING DIRECTION



BELT SECTION: PITCH P, LINK LENGTH L, THICKNESS T, ROUGH TOP HEIGHT S

STRAIGHT RUNNING BELT

- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Rough Top
- Surface opening: Closed
- Backflex radius: 25.0 mm (1.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-D W
Recommended Pin material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W PP W PA6.6 N B PBT LG SS304 PP W Lockpin: PBT LG PA6.6 D N PP W B

BELT DIMENSIONS

SYMBOL	MM	IN
P (Nominal)	19.1	0.75
L	4.3	0.17
T	8.5	0.33
S	1.5	0.06

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	POM-LF/PA6.6 (N)	POM-LF/PA6.6 (LBF)	PP/PA6.6 (N)	PP/PA6.6 (LBF)	PA6/PBT-GR (N)	PA6/PBT-GR (LBF)	POM-LF/PA6.6 (KG/M)	POM-LF/PA6.6 (LB/FT)	PP/PA6.6 (KG/M)	PP/PA6.6 (LB/FT)	PA6/PBT-GR (KG/M)	PA6/PBT-GR (LB/FT)		**CARRY (PCS)	**RETURN (PCS)
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN) — ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN)																
1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN) — ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN)																
2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10

UNI-CHAINS · UNI LIGHT ROUGH

UNI LIGHT ROUGH

DATASHEET: UNI LIGHT ROUGH



ACCESSORIES – RUBBER TOP



FLAT RUBBER TOP: A, B



ROUGH RUBBER TOP: A, B, C

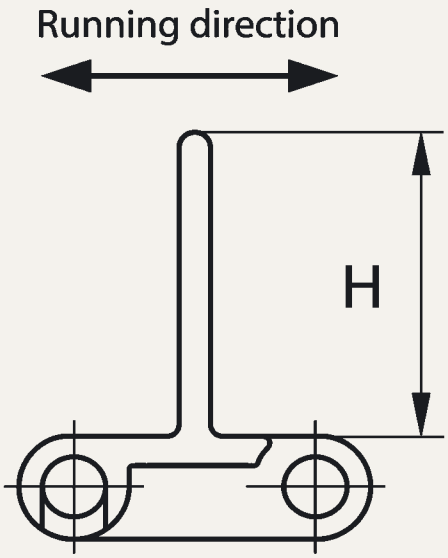
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat / Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



ACCESSORIES – FLIGHT



FLIGHT HEIGHT H WITH RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
Non Stick	PP-I W G / PA6 K / 04 K	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G / PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G / PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G / PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G / 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

Other Non Standard material and color: See uni Material and Color Overview.

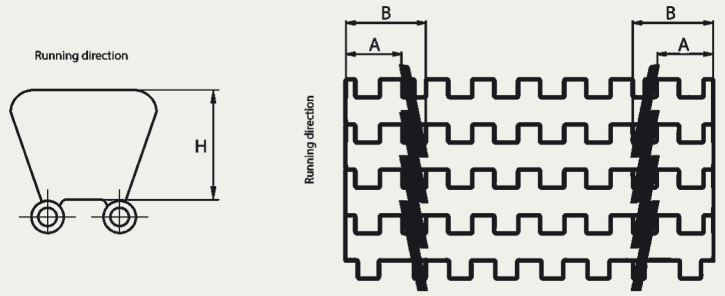
UNI-CHAINS · UNI LIGHT ROUGH

UNI LIGHT ROUGH

ACCESSORIES: SIDE GUARD & TAB



SIDE GUARD



SIDE GUARD DIMENSIONS H, A AND B; RUNNING DIRECTION

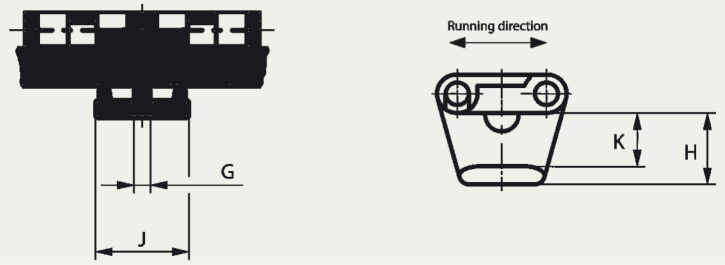
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.



TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT ROUGH

UNI LIGHT ROUGH

SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x		●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x					●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x				●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x					●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x						●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

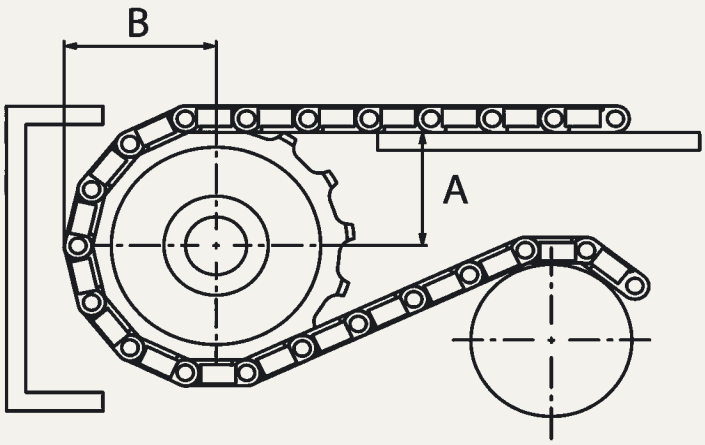
■ *Molded sprocket* ● *Molded sprocket*
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■) – SQUARE BORE



MOLDED SPROCKET (●) – ROUND BORE



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Other bore sizes are available upon request
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 4.8 mm (0.19 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light. For more detailed sprocket information, contact Customer Service.

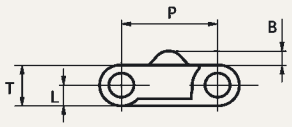
UNI-CHAINS · UNI LIGHT 10% SR

UNI LIGHT 10% SR

PLASTIC MODULAR BELT – SERIES UNI LIGHT, TYPE 10% SR



UNI LIGHT 10% SR BELT, RUNNING DIRECTION



LINK DIMENSIONS P, L, T AND B

BELT DATA

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Small Rib
- Surface opening: Closed
- Backflex radius: 25.0 mm (1.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-LF G
Recommended Pin material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	19.1	0.75
L	4.3	0.17
T	8.5	0.33
B	3.0	0.12

ALTERNATIVE PIN AND LOCK MATERIALS

Pin: PE **W** · PP **W** · PA6.6 **N B** · PBT **LG** · SS304 · PP **W**

Lockpin: PBT **LG** · PA6.6 **D N** · PP **W B**

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-SLF/PA6.6		BELT WEIGHT (BELT/PIN MATERIAL) POM-SLF/PA6.6		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	789	177	0.5	0.32	2	2	2
153	6.0	1572	353	1.0	0.64	2	2	2
230	9.0	2355	529	1.4	0.96	2	2	2
306	12.1	3138	705	1.9	1.28	3	3	2
383	15.1	3921	881	2.4	1.59	3	3	2
459	18.1	4704	1057	2.8	1.91	4	4	2
535	21.1	5486	1233	3.3	2.23	4	4	2
612	24.1	6269	1409	3.8	2.55	5	5	3
688	27.1	7052	1585	4.3	2.87	5	5	3
764	30.1	7835	1761	4.7	3.19	6	6	3
841	33.1	8618	1937	5.2	3.50	6	6	3
917	36.1	9401	2113	5.7	3.82	7	7	4
994	39.1	10184	2289	6.2	4.14	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)								
1910	75.2	19578	4401	11.8	7.96	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)								
2980	117.3	30545	6867	18.5	12.42	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI LIGHT 10% SR

UNI LIGHT 10% SR

ACCESSORIES: RUBBER TOP & FLIGHT



RUBBER TOP BELT



FLAT – A AND B DIMENSIONS



ROUGH – A, B AND C DIMENSIONS

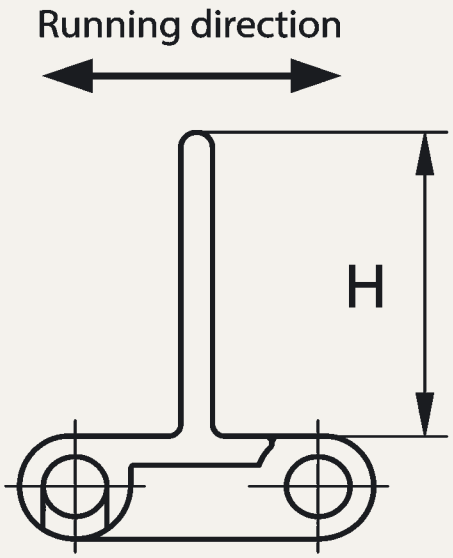
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93
Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT



FLIGHT HEIGHT H; RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
Non Stick	PP-I W G / PA6 K / 04 K	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G / PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G / PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G / PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W G / 04 K	76.2	3.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G	76.2	3.00	K600	152.8	6.02	15.0	0.59

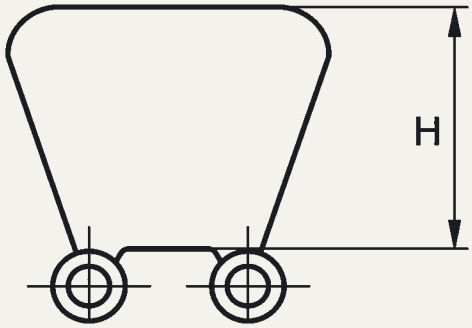
UNI-CHAINS · UNI LIGHT 10% SR

UNI LIGHT 10% SR

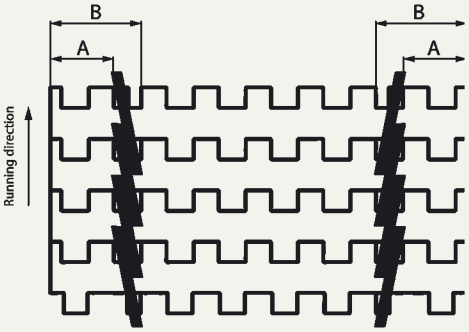
DATASHEET: UNI LIGHT 10% SR



SIDE GUARD – CLOSED



SIDE GUARD HEIGHT H (RUNNING DIRECTION)



SIDE GUARD ON BELT: DIMENSIONS A AND B (RUNNING DIRECTION)

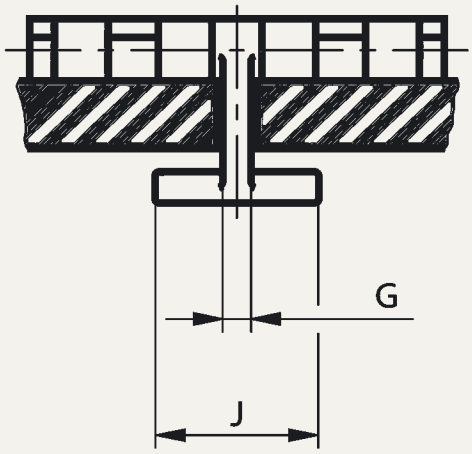
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

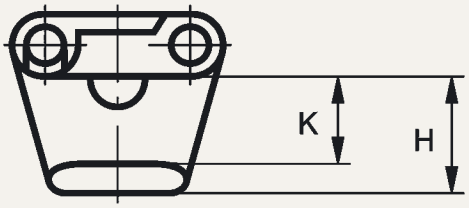
Non Standard material and color: See uni Material and Color Overview.



TAB – BOTTOM HOLD DOWN



TAB SECTION: DIMENSIONS G AND J



TAB DIMENSIONS K AND H (RUNNING DIRECTION)

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT 10% SR

UNI LIGHT 10% SR

DATASHEET: UNI LIGHT 10% SR

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN 19.1 MM	0.78 IN 20.0 MM	0.98 IN 25.0 MM	1.00 IN 25.4 MM	1.18 IN 30.0 MM	1.25 IN 31.8 MM	1.50 IN 38.1 MM	1.57 IN 40.0 MM	2.36 IN 60.0 MM	2.50 IN 63.5 MM	3.54 IN 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

■ *Molded sprocket* ● *Molded sprocket*

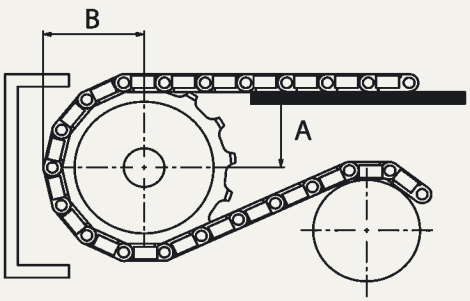
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■)



MOLDED SPROCKET (●)



SPROCKET / BELT LAYOUT: A- AND B-DIMENSION

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 4.8 mm (0.19 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light. For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT 18%

UNI LIGHT 18%

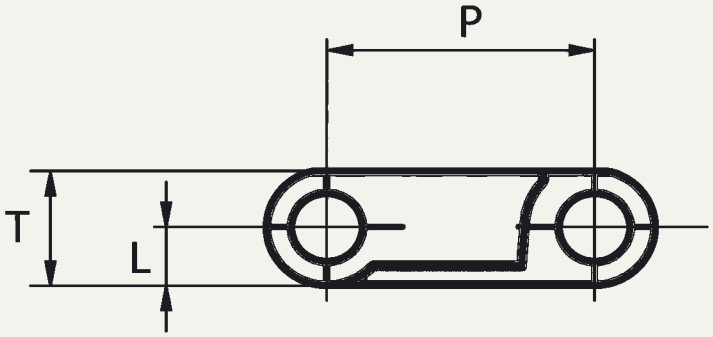
DATASHEET: UNI LIGHT 18%

PLASTIC MODULAR BELT

Series: **uni Light** Type: **18%**



UNI LIGHT 18% BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Flat
- Surface opening: 18%
- Backflex radius: 25.0 mm (1.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

Recommended Belt material & color	POM-D W
Recommended Pin material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	-	-	-

Alternative pin and lock materials: Pin: PE W PP W PA6.6 N B PBT LG SS304 · PP W · Lockpin: PBT LG PA6.6 D N PP W B

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PA6.6		PP/PA6.6		POM-LF/PA6.6		PP/PA6.6				
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3.0	789	177	395	89	0.4	0.29	0.3	0.21	2	2	2
153	6.0	1572	353	786	177	0.9	0.58	0.6	0.41	2	2	2
230	9.0	2355	529	1177	265	1.3	0.86	0.9	0.62	2	2	2
306	12.1	3138	705	1569	353	1.7	1.15	1.2	0.82	3	3	2
383	15.1	3921	881	1960	441	2.1	1.44	1.5	1.03	3	3	2
459	18.1	4704	1057	2352	529	2.6	1.73	1.8	1.23	4	4	2
535	21.1	5486	1233	2743	617	3.0	2.01	2.1	1.44	4	4	2
612	24.1	6269	1409	3135	705	3.4	2.30	2.4	1.64	5	5	3
688	27.1	7052	1585	3526	793	3.9	2.59	2.8	1.85	5	5	3
764	30.1	7835	1761	3918	881	4.3	2.88	3.1	2.05	6	6	3
841	33.1	8618	1937	4309	969	4.7	3.16	3.4	2.26	6	6	3
917	36.1	9401	2113	4700	1057	5.1	3.45	3.7	2.47	7	7	4
994	39.1	10184	2289	5092	1145	5.6	3.74	4.0	2.67	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)												
1910	75.2	19578	4401	9789	2201	10.7	7.19	7.6	5.13	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)												
2980	117.3	30545	6867	15273	3433	16.7	11.22	11.9	8.01	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

UNI-CHAINS · UNI LIGHT 18%

UNI LIGHT 18%

DATASHEET: UNI LIGHT 18%



RUBBER TOP – ROUGH



FLAT – RUBBER TOP DIMENSIONS A AND B



ROUGH – RUBBER TOP DIMENSIONS A, B AND C

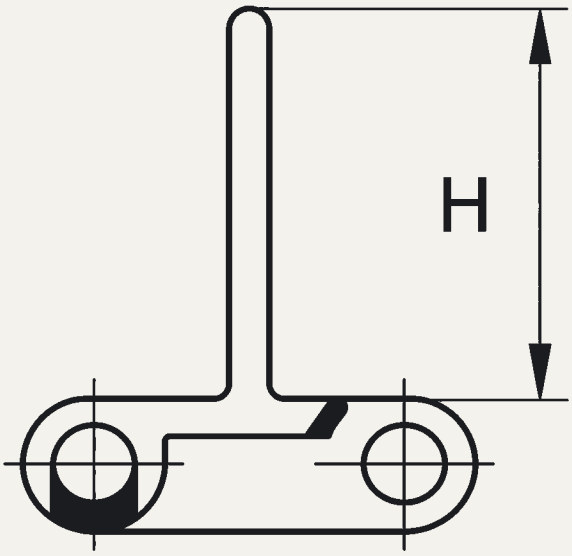
ACCESSORIES - RUBBER TOP

TYPE	BELT MATERIAL & COLOR	RUBBER MATERIAL & COLOR	A		B		C		LINK SIZE	WIDTH	
			MM	IN	MM	IN	MM	IN		MM	IN
Flat Rough	PP K	03 K	2.0	0.08	2.0	0.08	1.0	0.04	K600	150.5	5.93

Other Non Standard Rubber profiles: See uni Rubber Profile Overview.



FLIGHT – NON STICK/SUPPORT RIBS



FLIGHT HEIGHT H (RUNNING DIRECTION)

ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
Non Stick	PP-I W	25.4	1.00	K300	76.4	3.01	0.0	0.00
Non Stick	PP-I W G PA6 K 04 K	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick	PP-I W G PA6 K	25.4	1.00	K600	152.8	6.02	15.0	0.59
Non Stick/Support Ribs	PP-I W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I W G PA6 K	50.8	2.00	K600	152.8	6.02	0.0	0.00
Non Stick/Support Ribs	PP-I G PA6 K	50.8	2.00	K600	152.8	6.02	15.0	0.59

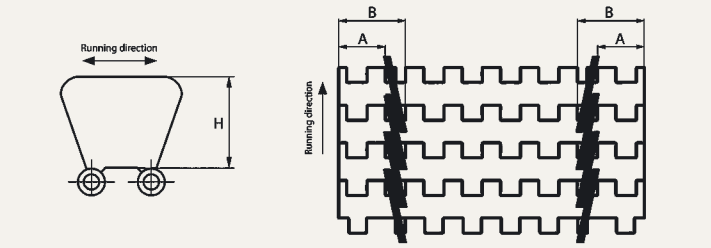
UNI-CHAINS · UNI LIGHT 18%

UNI LIGHT 18%

DATASHEET: UNI LIGHT 18%



SIDE GUARD



SIDE GUARD DIMENSIONS H, A AND B (RUNNING DIRECTION SHOWN)

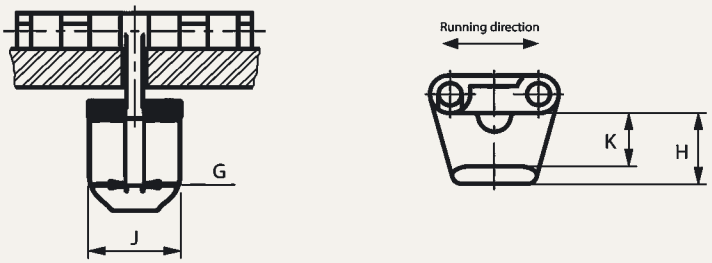
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PP-I W G	31.4	1.24	15.0	0.59	25.0	0.98

Non Standard material and color: See uni Material and Color Overview.



TAB – BOTTOM HOLD DOWN



TAB DIMENSIONS G, J, K AND H (RUNNING DIRECTION SHOWN)

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	20.0	0.79	11.7	0.46	15.9	0.63

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT 18%

UNI LIGHT 18%

DATASHEET: UNI LIGHT 18%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE – MM (IN)											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		19.1 (0.75)	20.0 (0.78)	25.0 (0.98)	25.4 (1.00)	30.0 (1.18)	31.8 (1.25)	38.1 (1.50)	40.0 (1.57)	60.0 (2.36)	63.5 (2.50)	90.0 (3.54)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

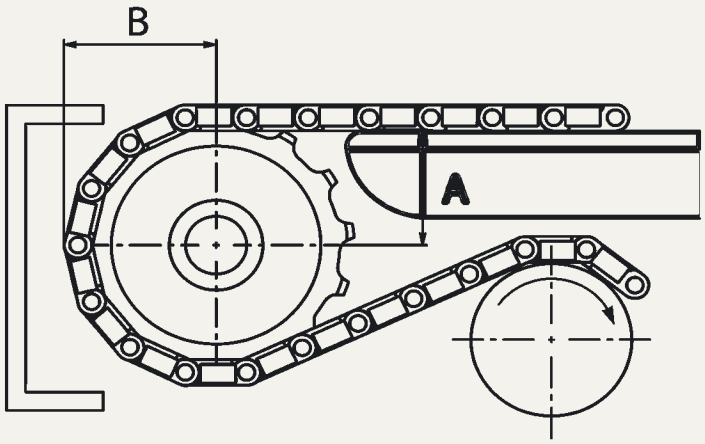
■ *Molded sprocket (square bore)* ● *Molded sprocket (round bore)*
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



A- AND B-DIMENSIONS ON THE SPROCKET/BELT ASSEMBLY

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 4.8 mm (0.19 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT RIB

UNI LIGHT RIB

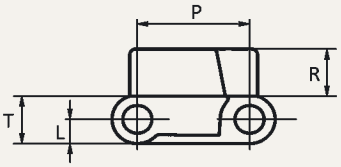
DATASHEET: UNI LIGHT RIB

PLASTIC MODULAR BELT

Series **uni Light** Type **Rib**



UNI LIGHT RIB BELT (RUNNING DIRECTION SHOWN)



BELT CROSS-SECTION: P, T, L AND R

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Rib Top
- Surface opening: Closed
- Backflex radius: 50.0 mm (2.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

Recommended Belt material & color	POM-LF G
Recommended Pin material & color	PA6.6 N

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	R	7.3	0.29

Alternative pin and lock materials: Pin: PE W, PP W, PA6.6 N, PA6.6 B, PBT LG, SS304, PP W · Lockpin: PBT LG, PA6.6 D, PA6.6 N, PP W, PP B

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)																
1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)																
2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*

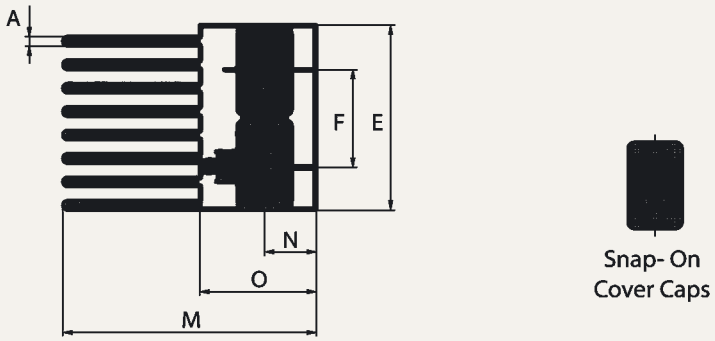
UNI-CHAINS · UNI LIGHT RIB

UNI LIGHT RIB

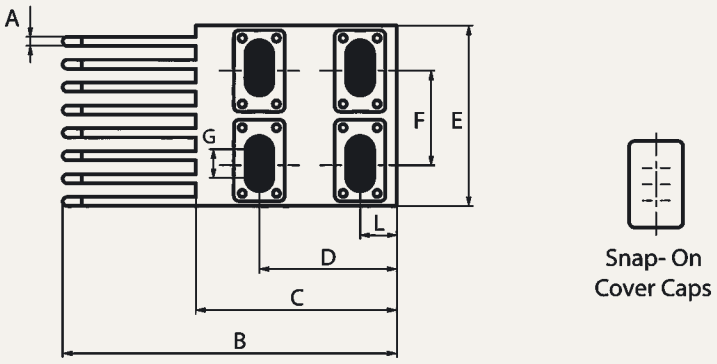
DATASHEET: UNI LIGHT RIB



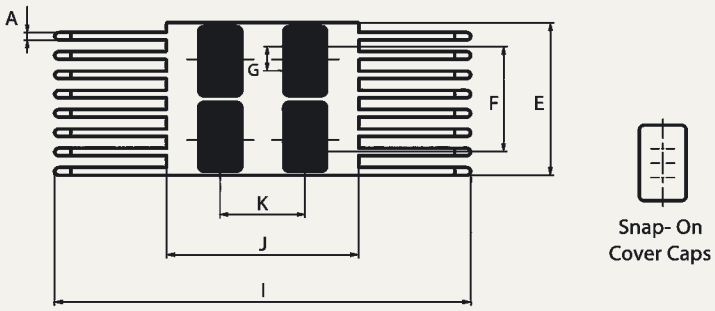
FINGER PLATE



TYPE 2 – DIMENSIONS A, E, F, G, H, M, N, O WITH SNAP-ON COVER CAPS



TYPE 1A – DIMENSIONS A, B, C, D, E, F, G, H, L WITH SNAP-ON COVER CAPS



TYPE 3 – DIMENSIONS A, E, F, G, H, I, J, K WITH SNAP-ON COVER CAPS

ACCESSORIES - FINGER PLATE

TYPE	MATERIAL & COLOR	A		B		C		D		E		F	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Single Sided	POM-LF BR												
Single Sided	POM-DI G	3.8	0.15	132.9	5.23	80.0	3.15	14.9	0.59	75.4	2.97	40.0	1.57
Double Sided	POM-EC K												

Dimensions A–F are common to all three types.

FINGER PLATE - DIMENSIONS G TO O

G		H		I		J		K		L		M		N		O	
MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
12.0	0.47	10.0	0.39	197.1	7.76	90.3	3.56	40.0	1.57	54.5	2.15	98.9	3.89	20.0	0.79	45.2	1.78

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT RIB

UNI LIGHT RIB

DATASHEET: UNI LIGHT RIB

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

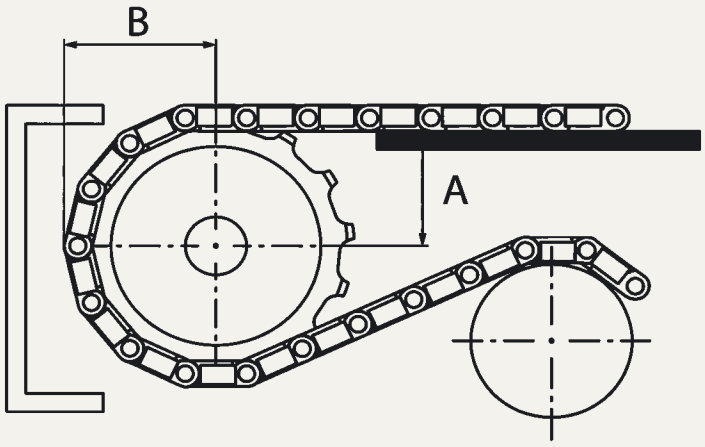
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 4.8 mm (0.19 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light. For more detailed sprocket information. contact Customer Service.

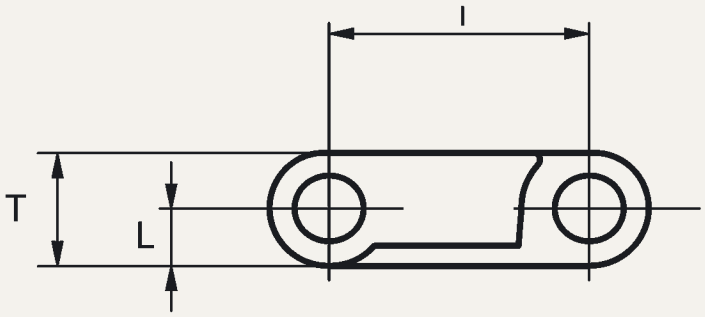
UNI-CHAINS · UNI LIGHT VACUUM

UNI LIGHT VACUUM

DATASHEET: UNI LIGHT VACUUM



UNI LIGHT VACUUM BELT – RUNNING DIRECTION



LINK DIMENSIONS P, T AND L

- Straight running belt
- Nominal pitch: 19.1 mm (0.75 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 25.0 mm (1.0 in)
- Pin diameter: ø3.9 mm (0.15 in)

RECOMMENDED MATERIAL & COLOR

Recommended Belt material & color	POM-LF BR
Recommended Pin material & color	PA6.6 N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	19.1	0.75	T	8.5	0.33
L	4.3	0.17	-	-	-

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W**, PP **W**, PA6.6 **N B**, PBT **LG**, SS304; PP **W**. Lockpin: PBT **LG**, PA6.6 **D N**, PP **W B**.

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR		POM-LF/PA6.6		PP/PA6.6		PA6/PBT-GR			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	789	177	395	89	789	177	0.5	0.35	0.4	0.25	0.4	0.29	2	2	2
153	6.0	1572	353	786	177	1572	353	1.0	0.70	0.7	0.49	0.9	0.58	2	2	2
230	9.0	2355	529	1177	265	2355	529	1.6	1.05	1.1	0.74	1.3	0.86	2	2	2
306	12.1	3138	705	1569	353	3138	705	2.1	1.40	1.5	0.99	1.7	1.15	3	3	2
383	15.1	3921	881	1960	441	3921	881	2.6	1.75	1.8	1.23	2.1	1.44	3	3	2
459	18.1	4704	1057	2352	529	4704	1057	3.1	2.10	2.2	1.48	2.6	1.73	4	4	2
535	21.1	5486	1233	2743	617	5486	1233	3.6	2.45	2.6	1.73	3.0	2.01	4	4	2
612	24.1	6269	1409	3135	705	6269	1409	4.2	2.80	2.9	1.97	3.4	2.30	5	5	3
688	27.1	7052	1585	3526	793	7052	1585	4.7	3.14	3.3	2.22	3.9	2.59	5	5	3
764	30.1	7835	1761	3918	881	7835	1761	5.2	3.49	3.7	2.47	4.3	2.88	6	6	3
841	33.1	8618	1937	4309	969	8618	1937	5.7	3.84	4.0	2.71	4.7	3.16	6	6	3
917	36.1	9401	2113	4700	1057	9401	2113	6.2	4.19	4.4	2.96	5.1	3.45	7	7	4
994	39.1	10184	2289	5092	1145	10184	2289	6.8	4.54	4.8	3.20	5.6	3.74	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)																
1910	75.2	19578	4401	9789	2201	19578	4401	13.0	8.73	9.2	6.16	10.7	7.19	13	13	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 19.1 MM (0.75 IN.)																
2980	117.3	30545	6867	15273	3433	30545	6867	20.3	13.62	14.3	9.61	16.7	11.22	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-LF 1250 N (281 lbf), PP 700 N (157 lbf), PA6 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI LIGHT VACUUM

UNI LIGHT VACUUM

DATASHEET: UNI LIGHT VACUUM

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x	●	●										42.6	1.68	43.9	1.73	30.0	1.18	15.4	0.61	26.3	1.04	x		x	
Z10	x				●	●							61.7	2.43	61.6	2.43	45.0	1.77	25.0	0.98	35.2	1.39	x		x	
Z17	x			●	●	●	●	■	■				105.0	4.13	103.7	4.08	65.0	2.56	46.6	1.83	56.2	2.21	x		x	
Z24	x				●	●	●	■	● ■				147.2	5.80	146.0	5.75	70.0	2.76	68.0	2.68	77.3	3.04	x		x	
Z25	x					●	●	● ■	● ■				153.3	6.04	152.0	5.98	70.0	2.76	71.0	2.80	80.3	3.16	x		x	

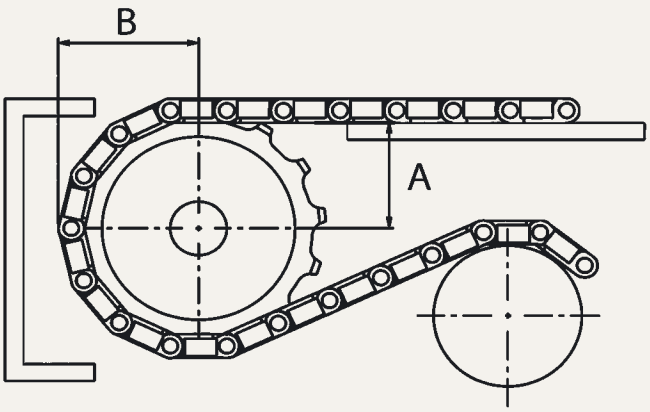
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 4.8 mm (0.19 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light. For more detailed sprocket information. contact Customer Service.

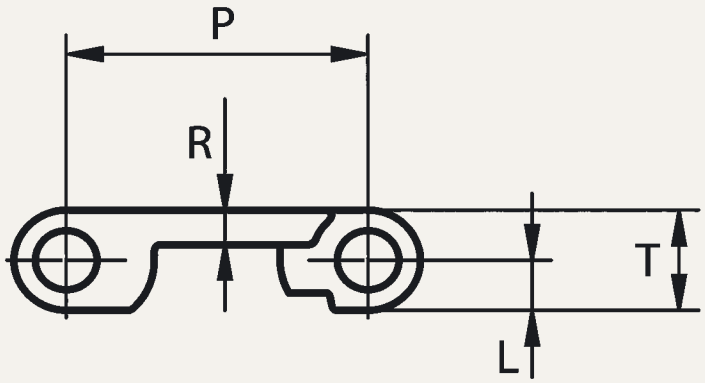
UNI-CHAINS · UNI CNB C

UNI CNB C

DATASHEET: UNI CNB C



UNI CNB C BELT – RUNNING DIRECTION



LINK DIMENSIONS P, R, T AND L

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 40.0 mm (1.60 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIAL & COLOR

Belt material & color	POM-D W	PP W	PP B	PE N
Pin material & color	PP W		PP B	PE N

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	T	8.8	0.35
R	3.0	0.12	L	4.4	0.17

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials: Pin: PE **W**, PA6.6 **B**, PBT **LG**, SS304. Lockpin: PBT **LG**, PA6.6 **N**, PP **W B**, PE **N**.

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PP		PP/PP		PE/PE		POM-D/PP		PP/PP		PE/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3.0	1040	234	539	121	477	107	0.4	0.30	0.3	0.20	0.3	0.21	2	2	2
153	6.0	2065	464	1071	241	949	213	0.9	0.60	0.6	0.40	0.6	0.41	2	2	2
229	9.0	3091	695	1603	360	1420	319	1.3	0.89	0.9	0.60	0.9	0.62	2	2	2
305	12.0	4117	926	2135	480	1891	425	1.8	1.19	1.2	0.80	1.2	0.82	3	3	2
381	15.0	5143	1156	2667	600	2362	531	2.2	1.49	1.5	1.00	1.5	1.02	3	3	2
457	18.0	6169	1387	3199	719	2833	637	2.7	1.78	1.8	1.20	1.8	1.23	4	4	2
533	21.0	7195	1617	3731	839	3304	743	3.1	2.08	2.1	1.40	2.1	1.43	4	4	2
609	24.0	8221	1848	4263	958	3776	849	3.5	2.37	2.4	1.60	2.4	1.64	5	5	3
685	27.0	9247	2079	4795	1078	4247	955	4.0	2.67	2.7	1.80	2.7	1.84	5	5	3
761	30.0	10273	2309	5327	1197	4718	1061	4.4	2.97	3.0	1.99	3.0	2.05	6	6	3
837	33.0	11299	2540	5859	1317	5189	1167	4.9	3.26	3.3	2.19	3.3	2.25	6	6	3
913	35.9	12325	2771	6391	1437	5660	1272	5.3	3.56	3.6	2.39	3.7	2.45	7	7	4
989	38.9	13351	3001	6923	1556	6132	1378	5.7	3.85	3.9	2.59	4.0	2.66	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1977	77.8	26690	6000	13839	3111	12257	2755	11.5	7.71	7.7	5.18	7.9	5.31	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2965	116.7	40028	8998	20755	4666	18383	4132	17.2	11.56	11.6	7.77	11.9	7.97	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf). PP 500 N (112 lbf)*
***Max. Spacing between wear strips. Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

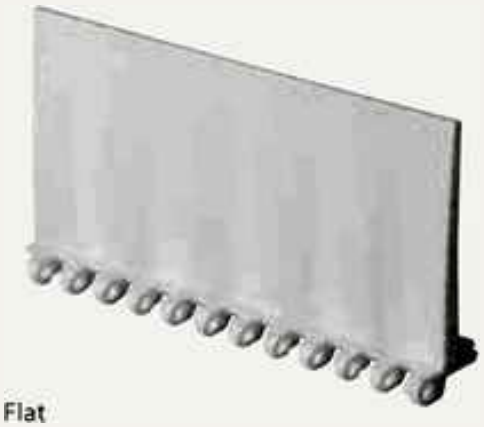
UNI-CHAINS · UNI CNB C

UNI CNB C

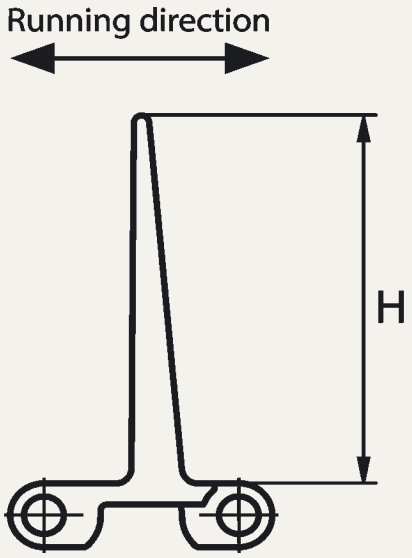
DATASHEET: UNI CNB C



22% FLAT



FLAT



FLIGHT PROFILE – HEIGHT H, RUNNING DIRECTION

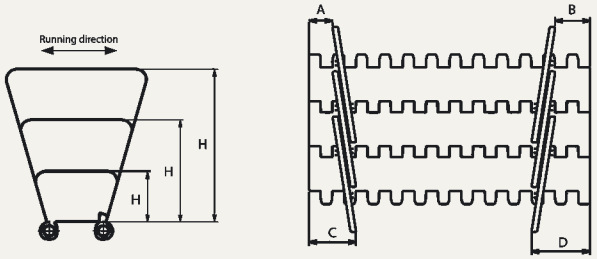
ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
22% Flat	PE N, PP-I W	5.0	0.20	K300	75.9	2.99	6.4	0.25
22% Flat	PE N, PP-I W	5.0	0.20	K600	152.0	5.98	6.4	0.25
Flat	POM-D W, PE N, PP-I W, PP-I B	25.4	1.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W, PE N, PP-I W, PP-I B	50.8	2.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W, PE N, PP-I W, PP-I B	76.2	3.00	K600	152.0	5.98	0.0	0.00

Flat Flight: Flat on one side and with waves on the other side.
Minimum bricklayed indent is 38.1 mm (1.50 in): 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD



SIDE GUARD DIMENSIONS H, A, B, C AND D

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	H		A (MIN.)		B (MIN.)		C (MIN.)		D (MIN.)	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-I W, PP-I B	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W, PP-I B	50.8	2.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W, PP-I B	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).

UNI-CHAINS · UNI CNB C

UNI CNB C

DATASHEET: UNI CNB C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE 19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	OVERALL DIAMETER MM	OVERALL DIAMETER IN	PITCH-DIAMETER MM	PITCH-DIAMETER IN	HUB-DIAMETER MM	HUB-DIAMETER IN	A-DIMENSION MM	A-DIMENSION IN	B-DIMENSION MM	B-DIMENSION IN	SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z10	x			●	●	●	●						80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1379		x	x	
Z12	x				●	●	●						96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x	
Z15	x				●	●	●						121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x	
Z18	x					●	●	● ■	● ■				146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x	
Z19	x					●	●	● ■	● ■				154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x	

■ *Molded sprocket* ● *Molded sprocket*

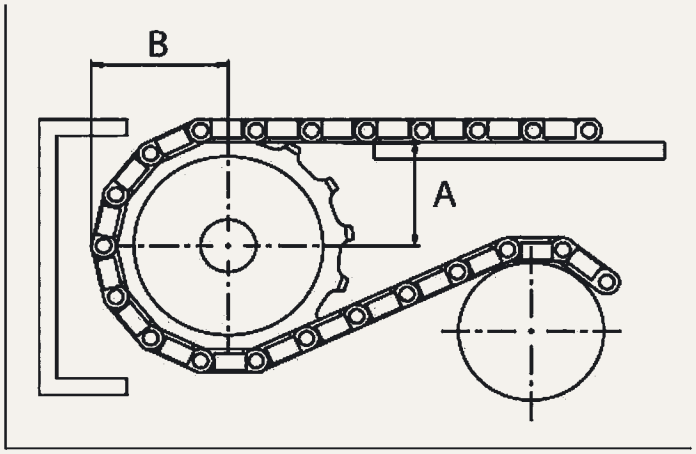


■ MOLDED SPROCKET



● MOLDED SPROCKET

Non standard material and color: See uni Material and Color Overview.



SPROCKET POSITION: A- AND B-DIMENSIONS

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 12.0 mm (0.47 in)

Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account.

Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.

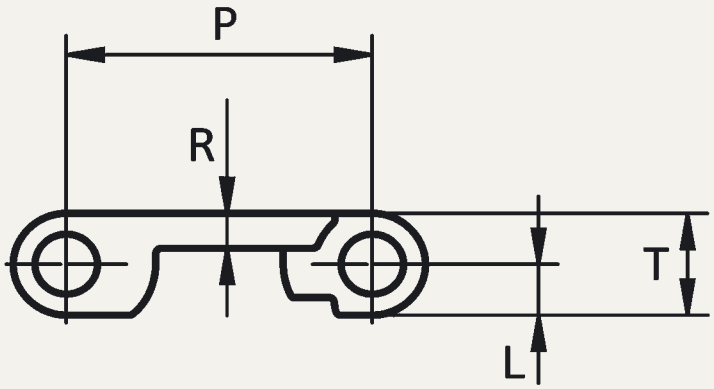
UNI-CHAINS · UNI CNB 18%

UNI CNB 18%

DATASHEET: UNI CNB 18%



UNI CNB 18% BELT, RUNNING DIRECTION



LINK DIMENSIONS P, R, T AND L

SERIES UNI CNB - TYPE 18%

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 18%
- Backflex radius: 40.0 mm (1.60 in)
- Pin diameter: ø5.0 mm (0.20 in)

Belt material & color: PP W

Pin material & color: PP W

Non standard material and color: See uni Material and Color Overview.

Alternative pin and lock materials — Pin: PE W, PA6.6 B, PBT LG, SS304. Lockpin: PBT LG, PA6.6 N, PP W, PP B, PE N.

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
R	3.0	0.12
T	8.8	0.35
L	4.4	0.17

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP/PP		BELT WEIGHT (BELT/PIN MATERIAL) PP/PP		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
77	3,0	539	121	0,3	0,18	2	2	2
153	6,0	1071	241	0,5	0,36	2	2	2
229	9,0	1603	360	0,8	0,54	2	2	2
305	12,0	2135	480	1,1	0,72	3	3	2
381	15,0	2667	600	1,3	0,90	3	3	2
457	18,0	3199	719	1,6	1,07	4	4	2
533	21,0	3731	839	1,9	1,25	4	4	2
609	24,0	4263	958	2,1	1,43	5	5	3
685	27,0	4795	1078	2,4	1,61	5	5	3
761	30,0	5327	1197	2,7	1,79	6	6	3
837	33,0	5859	1317	2,9	1,97	6	6	3
913	35,9	6391	1437	3,2	2,15	7	7	4
989	38,9	6923	1556	3,5	2,33	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)								
1977	77,8	13839	3111	6,9	4,65	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)								

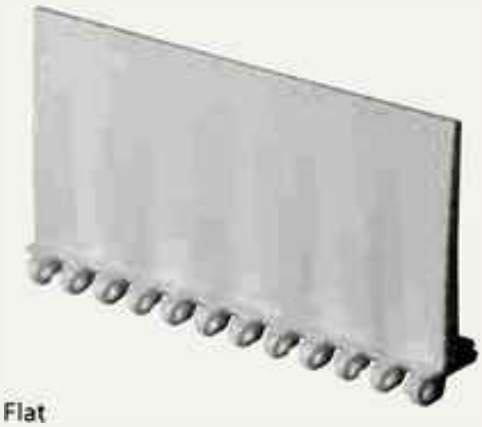
UNI-CHAINS · UNI CNB 18%

UNI CNB 18%

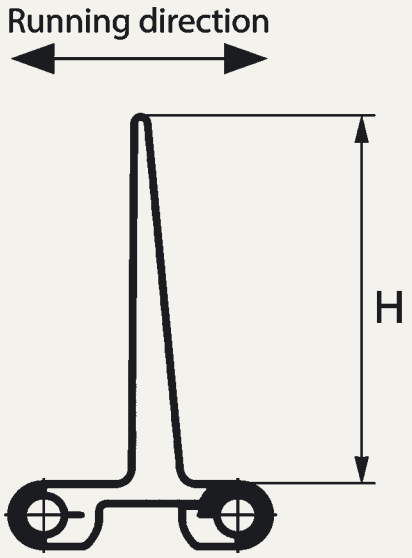
DATASHEET: UNI CNB 18%



22% FLAT



FLAT



FLIGHT PROFILE – HEIGHT H, RUNNING DIRECTION

ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
22% Flat	PE N, PP-I W	5.0	0.20	K300	75.9	2.99	6.4	0.25
22% Flat	PE N, PP-I W	5.0	0.20	K600	152.0	5.98	6.4	0.25
Flat	POM-D W, PE N, PP-I W, PP-I B	25.4	1.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W, PE N, PP-I W, PP-I B	50.8	2.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W, PE N, PP-I W, PP-I B	76.2	3.00	K600	152.0	5.98	0.0	0.00

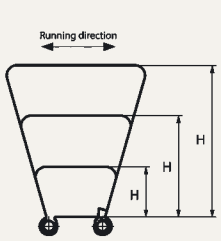
Flat Flight: Flat on one side and with waves on the other side.
Minimum bricklayed indent is 38.1 mm (1.50 in): 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.

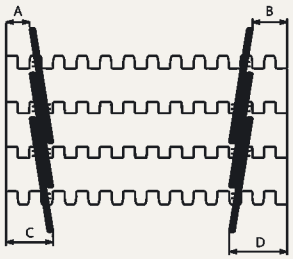
ccessories

Guard



CLOSED SIDE GUARD





SIDE GUARD DIMENSIONS H, A, B, C AND D

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	H		A (MIN.)		B (MIN.)		C (MIN.)		D (MIN.)	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-I W, PP-I B	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W, PP-I B	50.8	2.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W, PP-I B	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of Side Guard: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).

UNI-CHAINS · UNI CNB 18%

UNI CNB 18%

DATASHEET: UNI CNB 18%

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x			●	●	●	●						80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1379		x	x	
Z12	x				●	●	●						96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x	
Z15	x				●	●	●						121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x	
Z18	x					●	●	● ■	● ■				146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x	
Z19	x					●	●	● ■	● ■				154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x	

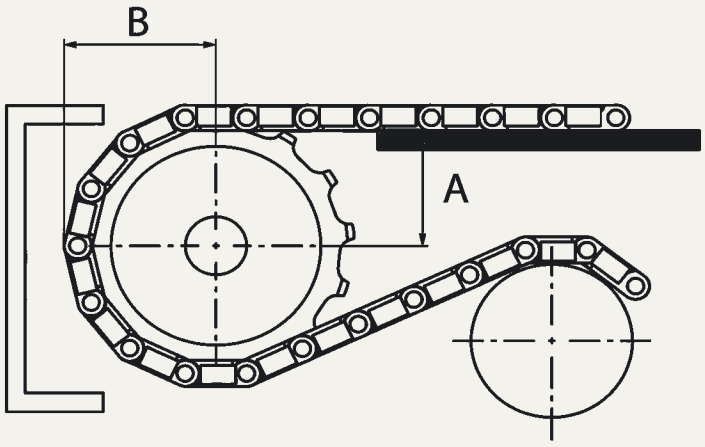
● Molded sprocket ■ Molded sprocket (both marker styles are labelled "Molded sprocket" on the legacy page).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprockets are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth = 12.0 mm (0.47 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.

For more detailed sprocket information. contact Customer Service.

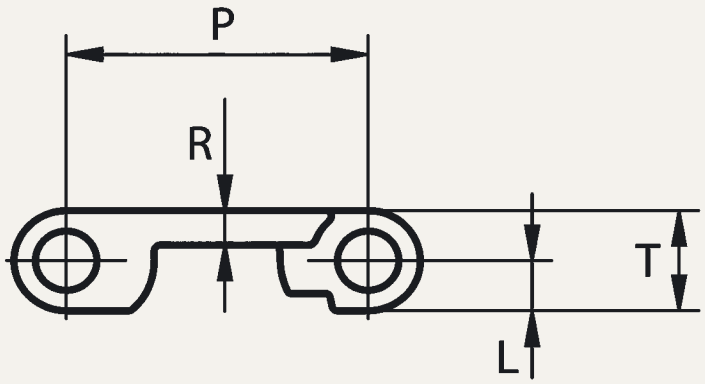
UNI-CHAINS · UNI CNB 22%

UNI CNB 22%

DATASHEET: UNI CNB 22%



UNI CNB 22% BELT, RUNNING DIRECTION



LINK SECTION – P, R, T AND L DIMENSIONS

PLASTIC MODULAR BELT - SERIES UNI CNB, TYPE 22%

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 40.0 mm (1.60 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIAL & COLOR

	MATERIAL & COLOR
Belt material & color	PP W POM-D W PE N
Pin material & color	PP W PE N

Non standard material and color: See uni Material and Color Overview.
*Alternative pin and lock materials — Pin: PE **W**, PA6.6 **B**, PBT **LG**, SS304. Lockpin: PBT **LG**, PA6.6 **N**, PP **W**, PP **B**, PE **N**.*

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	T	8.8	0.35
R	3.0	0.12	L	4.4	0.17

BELT WIDTH, TENSILE FORCE, WEIGHT AND SPROCKETS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
77	3,0	1040	234	539	121	477	107	0,4	0,25	0,3	0,18	0,3	0,18	2	2	2
153	6,0	2065	464	1071	241	949	213	0,7	0,49	0,5	0,35	0,5	0,36	2	2	2
229	9,0	3091	695	1603	360	1420	319	1,1	0,74	0,8	0,52	0,8	0,54	2	2	2
305	12,0	4117	926	2135	480	1891	425	1,5	0,98	1,0	0,70	1,1	0,72	3	3	2
381	15,0	5143	1156	2667	600	2362	531	1,8	1,23	1,3	0,87	1,3	0,90	3	3	2
457	18,0	6169	1387	3199	719	2833	637	2,2	1,47	1,6	1,04	1,6	1,07	4	4	2
533	21,0	7195	1617	3731	839	3304	743	2,6	1,72	1,8	1,22	1,9	1,25	4	4	2
609	24,0	8221	1848	4263	958	3776	849	2,9	1,96	2,1	1,39	2,1	1,43	5	5	3
685	27,0	9247	2079	4795	1078	4247	955	3,3	2,21	2,3	1,57	2,4	1,61	5	5	3
761	30,0	10273	2309	5327	1197	4718	1061	3,7	2,45	2,6	1,74	2,7	1,79	6	6	3
837	33,0	11299	2540	5859	1317	5189	1167	4,0	2,70	2,8	1,91	2,9	1,97	6	6	3
913	35,9	12325	2771	6391	1437	5660	1272	4,4	2,95	3,1	2,09	3,2	2,15	7	7	4
989	38,9	13351	3001	6923	1556	6132	1378	4,7	3,19	3,4	2,26	3,5	2,33	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1977	77,8	26690	6000	13839	3111	12257	2755	9,5	6,38	6,7	4,52	6,9	4,65	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2965	116,7	40028	8998	20755	4666	18383	4132	14,2	9,56	10,1	6,77	10,4	6,97	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 600 N (135 lbf), PP 500 N (112 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*

UNI-CHAINS · UNI CNB 22%

UNI CNB 22%

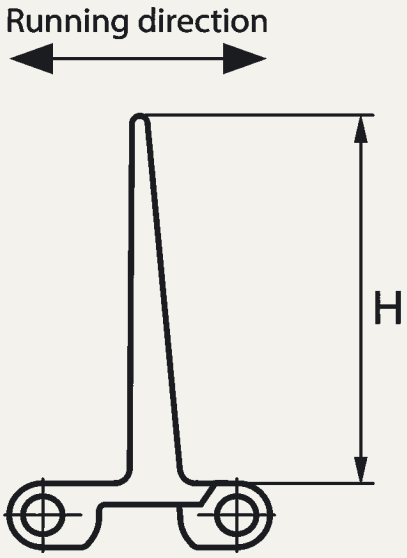
DATASHEET: UNI CNB 22%



22% FLAT



FLAT



FLIGHT HEIGHT H, RUNNING DIRECTION

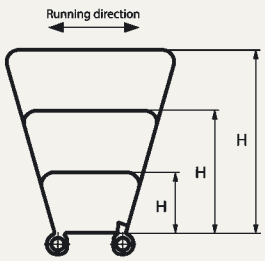
ACCESSORIES - FLIGHT

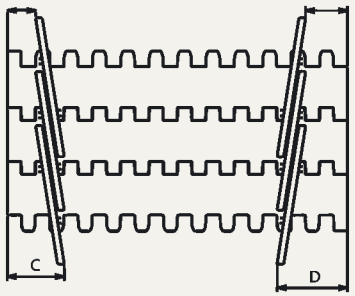
TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT	
		MM	IN		MM	IN	MM	IN
22% Flat	PE N PP-I W	5.0	0.20	K300	75.9	2.99	6.4	0.25
22% Flat	PE N PP-I W	5.0	0.20	K600	152.0	5.98	6.4	0.25
Flat	POM-D W PE N PP-I W PP-I B	25.4	1.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W PE N PP-I W PP-I B	50.8	2.00	K600	152.0	5.98	0.0	0.00
Flat	POM-D W PE N PP-I W PP-I B	76.2	3.00	K600	152.0	5.98	0.0	0.00

Flat Flight: Flat on one side and with waves on the other side.
Minimum bricklayed indent is 38.1 mm (1.50 in): 14.0 mm (0.55 in). Increment: 12.7 mm (0.50 in).
Non Standard material and color: See uni Material and Color Overview.



SIDE GUARD, CLOSED





SIDE GUARD – H, A, B, C AND D DIMENSIONS

ACCESSORIES - SIDE GUARD

TYPE	MATERIAL & COLOR	H		A (MIN.)		B (MIN.)		C (MIN.)		D (MIN.)	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Closed	PP-I W PP-I B	25.4	1.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W PP-I B	50.8	2.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24
Closed	PP-I W PP-I B	76.2	3.00	12.5	0.49	18.5	0.73	25.5	1.00	31.5	1.24

Minimum indent to outside of lane divider: 14.0 mm (0.55 in). Increment 6.4 mm (0.25).
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI CNB 22%

UNI CNB 22%

DATASHEET: UNI CNB 22%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE											OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x			●	●	●	●						80.0	3.15	82.2	3.24	65.0	2.56	34.7	1.37	45.5	1379		x	x	
Z12	x				●	●	●						96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11		x	x	
Z15	x				●	●	●						121.5	4.78	122.2	4.81	70.0	2.76	55.3	2.18	65.5	2.58		x	x	
Z18	x					●	●	● ■	● ■				146.0	5.75	146.3	5.76	70.0	2.76	67.6	2.66	77.5	3.05		x	x	
Z19	x					●	●	● ■	● ■				154.2	6.07	154.3	6.07	70.0	2.76	71.7	2.82	81.6	3.21		x	x	

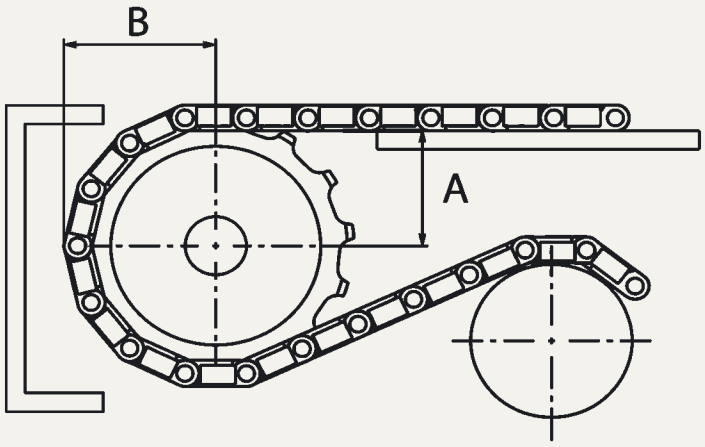
● Molded sprocket ■ Molded sprocket (both marker styles are labelled "Molded sprocket" on the legacy page).
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET



MOLDED SPROCKET



SPROCKET POSITION – A AND B DIMENSIONS

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 12.0 mm (0.47 in)
- Width of sprocket = 25.0 mm (0.98 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni CNB.

For more detailed sprocket information, contact Customer Service.

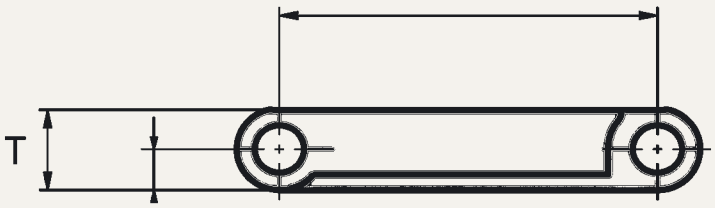
UNI-CHAINS · UNI LIGHT EP C

UNI LIGHT EP C

DATASHEET: UNI LIGHT EP C



UNI LIGHT EP C BELT – RUNNING DIRECTION



BELT CROSS-SECTION: PITCH P, THICKNESS T, LINK LENGTH L

BELT SPECIFICATION

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

COMPONENT	RECOMMENDED MATERIAL & COLOR
Belt material & color	POM-D W
Pin and lock material & color	PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	38.1	1.50
L	4.3	0.17
T	8.5	0.33

MATERIALS

Non standard material and color: See uni Material and Color Overview.

Alternative materials – Belt: PP and PE. Pin: PP **W**, PA6.6 **B**, PE **W**, PBT **LG** and SS304. PP **W B G**. PP **W**.

Lockpin: PBT **LG**, PA6.6 **N D**.

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PP		PP/PP		PE/PP		POM-D/PP		PP/PP		PE/PP			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
64	2.5	653	147	326	73	196	44	0.4	0.24	0.2	0.16	0.3	0.17	2	2	2
83	3.3	848	191	424	95	255	57	0.5	0.32	0.3	0.21	0.3	0.22	2	2	2
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
115	4.5	1175	264	587	132	352	79	0.7	0.44	0.4	0.28	0.5	0.31	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
191	7.5	1958	440	979	220	587	132	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) – ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) – ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf). PP 600 N (135 lbf). PE 600 N (135 lbf)*
***Max. Spacing between wear strips. Carry: 152 mm (6 in); Return: 304 mm (12 in)*
☐ = Single Link

UNI-CHAINS · UNI LIGHT EP C

UNI LIGHT EP C

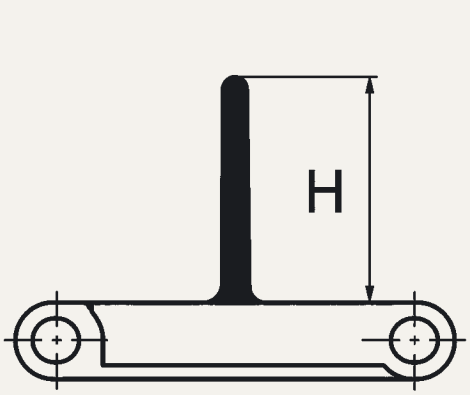
DATASHEET: UNI LIGHT EP C



NON STICK FLIGHT



FLAT/SUPPORT RIBS FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

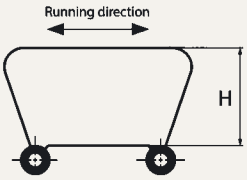
ACCESSORIES - FLIGHT

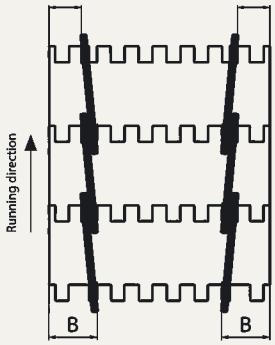
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD





SIDE GUARD DIMENSIONS H, A AND B

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

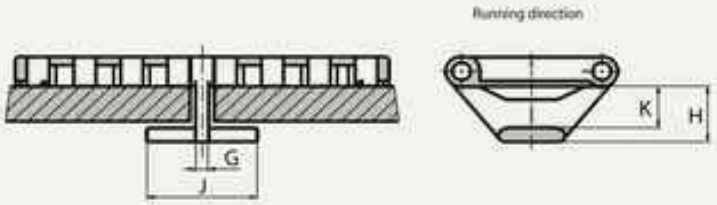
UNI-CHAINS · UNI LIGHT EP C

UNI LIGHT EP C

DATASHEET: UNI LIGHT EP C



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP C

UNI LIGHT EP C

DATASHEET: UNI LIGHT EP C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

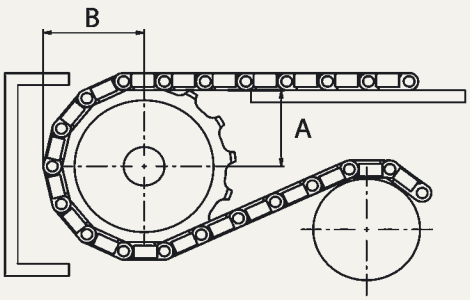
■ *Molded sprocket* ● *Molded sprocket*
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (■) – SQUARE BORE



MOLDED SPROCKET (●) – ROUND BORE



SPROCKET A- AND B-DIMENSION ON THE BELT

SPROCKET NOTES

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet.
- Width of tooth = 11.8 mm (0.47 in)
- Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

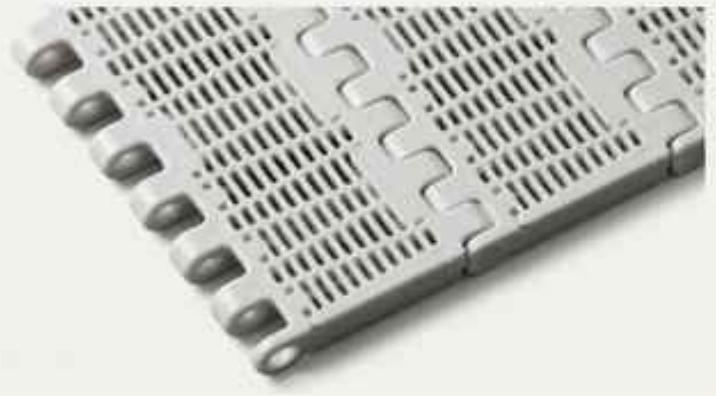
For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information. contact Customer Service.

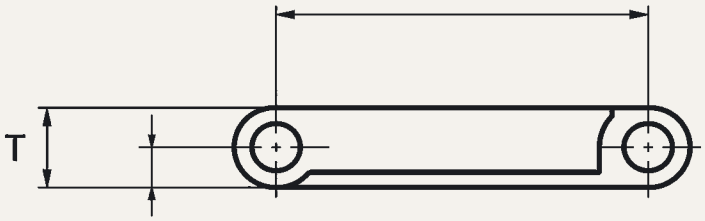
UNI-CHAINS · UNI LIGHT EP 22% FINE-MESHED

UNI LIGHT EP 22% FINE-MESHED

PLASTIC MODULAR BELT — SERIE UNI LIGHT EP, TYPE 22% FINE-MESHED



UNI LIGHT EP 22% FINE-MESHED BELT (RUNNING DIRECTION)



BELT CROSS-SECTION: P, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

MATERIAL & COLOR

Belt material & color	PP-HW W	PP-HW B
Pin and lock material & color	Pin: PP-HW W Lock: PP-HW W	Pin: PP-HW B Lock: PP-HW B

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W, PP-HW W, PP-HW B, SS304 — Lockpin: PBT LG, PA6.6 N, PA6.6 D

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

BELT WIDTH, TENSILE FORCE, WEIGHT & WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) PP-HW		BELT WEIGHT (BELT/PIN MATERIAL) PP-HW		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
64	2.5	325	73	0.2	0.15	2	2	2
102	4.0	523	118	0.3	0.23	2	2	2
153	6.0	784	176	0.5	0.35	2	2	2
191	7.5	979	220	0.6	0.44	2	2	2
204	8.0	1046	235	0.7	0.47	2	2	2
255	10.0	1307	294	0.9	0.58	2	2	2
306	12.0	1568	353	1.0	0.70	3	3	2
357	14.1	1830	411	1.2	0.82	3	3	2
408	16.1	2091	470	1.4	0.93	3	3	2
459	18.1	2352	529	1.6	1.05	4	4	2
510	20.1	2614	588	1.7	1.17	4	4	2
561	22.1	2875	646	1.9	1.28	4	4	2
612	24.1	3137	705	2.1	1.40	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)								
1987	78.2	10183	2289	6.8	4.54	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)								
2955	116.3	15144	3404	10.0	6.75	20	20	10

UNI-CHAINS · UNI LIGHT EP 22% FINE-MESHED

UNI LIGHT EP 22% FINE-MESHED

ACCESSORIES: FLIGHTS AND SIDE GUARDS

ACCESSORIES

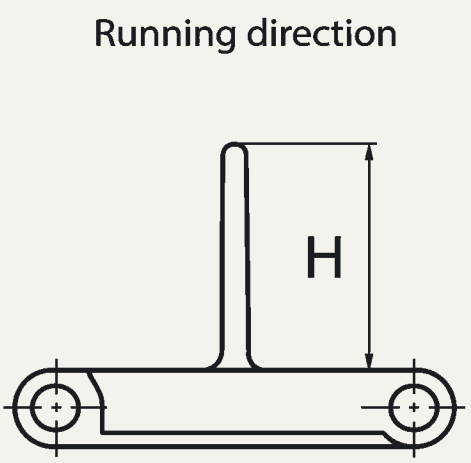
Flight/NON STANDARD



NON STICK



FLAT/SUPPORT RIBS



FLIGHT HEIGHT H, RUNNING DIRECTION

FLIGHT/NON STANDARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

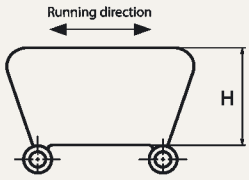
Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.

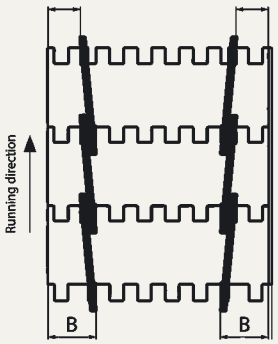
ACCESSORIES

Side Guard/NON STANDARD



CLOSED SIDE GUARD





SIDE GUARD HEIGHT H AND A/B DIMENSIONS

SIDE GUARD/NON STANDARD

UNI-CHAINS · UNI LIGHT EP 22% FINE-MESHED

UNI LIGHT EP 22% FINE-MESHED

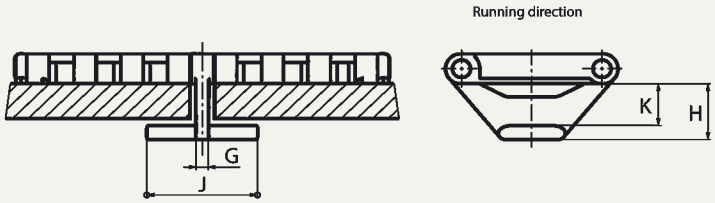
ACCESSORIES: TAB, REINFORCEMENT LINK AND UNI AMFLIGHT

ACCESSORIES

Tab/NON STANDARD



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K, H

TAB/NON STANDARD

TYPE	RECCOMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES

Reinforcement Link



BELT WITH SS REINFORCEMENT / PITCH CONTROL LINKS

The use of uni-chains belts with the SS reinforcement /pitch control links in blanchers. cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends one reinforcement link per K600 module.

Note: Reinforcement links require the use of SS pins.

REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	1000	225

Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES

Non Standard uni AmFlight

UNI-CHAINS · UNI LIGHT EP 22% FINE-MESHED

UNI LIGHT EP 22% FINE-MESHED

SPROCKET DATA

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

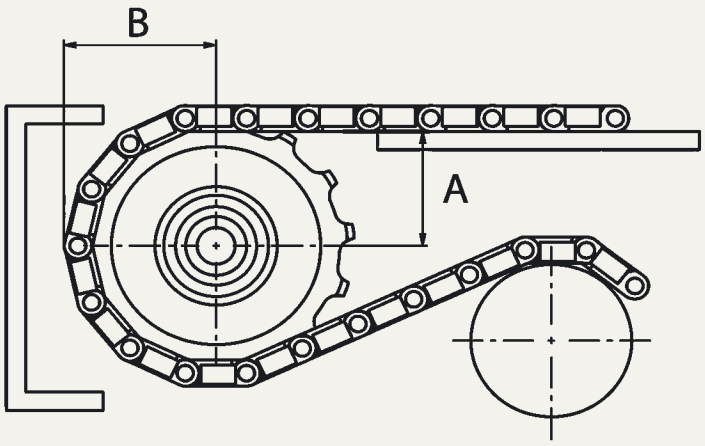
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET A- AND B-DIMENSIONS

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information. contact Customer Service.

UNI-CHAINS · UNI LIGHT EP RIB C

UNI LIGHT EP RIB C

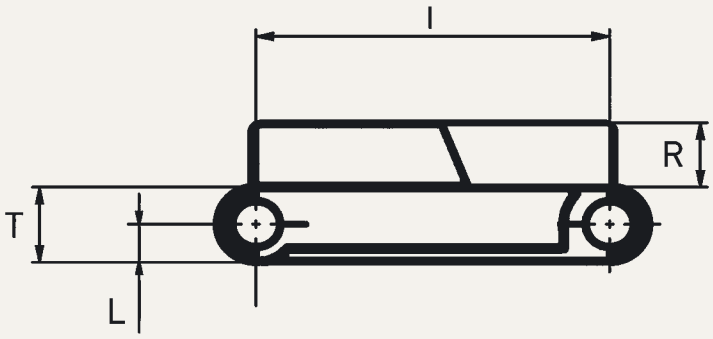
DATASHEET: UNI LIGHT EP RIB C

PLASTIC MODULAR BELT

Serie: **uni Light EP** — Type: **Rib**



UNI LIGHT EP RIB BELT (RUNNING DIRECTION SHOWN)



BELT CROSS-SECTION: P, T, L, R

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Rib Top
- Surface opening: Closed
- Backflex radius: 150.0 mm (5.9 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-LF G
Recommended Pin and lock material & color	PP W (pin); PP W (lock)

Non standard material and color: See uni Material and Color Overview.
Alternative materials: Belt: POM-LF and PE — Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 — Lock: PP W, PP B, PP G — PP W

BELT DIMENSIONS

DIM.	MM	IN	DIM.	MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	R	7.3	0.29

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT & SPROCKETS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.7	0.49	0.5	0.32	0.5	0.34	2	2	2
153	6.0	1568	353	784	176	470	106	1.1	0.73	0.7	0.47	0.8	0.51	2	2	2
204	8.0	2091	470	1046	235	627	141	1.4	0.97	0.9	0.63	1.0	0.69	2	2	2
255	10.0	2614	588	1307	294	784	176	1.8	1.22	1.2	0.79	1.3	0.86	2	2	2
306	12.0	3137	705	1568	353	941	212	2.2	1.46	1.4	0.95	1.5	1.03	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.5	1.70	1.6	1.10	1.8	1.20	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.9	1.95	1.9	1.26	2.0	1.37	3	3	2
459	18.1	4705	1058	2352	529	1411	317	3.3	2.19	2.1	1.42	2.3	1.54	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.6	2.43	2.3	1.58	2.6	1.71	4	4	2
561	22.1	5750	1293	2875	646	1725	388	4.0	2.68	2.6	1.73	2.8	1.89	4	4	2
612	24.1	6273	1410	3137	705	1882	423	4.3	2.92	2.8	1.89	3.1	2.06	5	5	3
663	26.1	6796	1528	3398	764	2039	458	4.7	3.16	3.0	2.05	3.3	2.23	5	5	3
714	28.1	7319	1645	3659	823	2196	494	5.1	3.41	3.3	2.21	3.6	2.40	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	14.1	9.48	9.1	6.14	9.9	6.68	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	21.0	14.10	13.6	9.14	14.8	9.93	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*

UNI-CHAINS · UNI LIGHT EP RIB C

UNI LIGHT EP RIB C

DATASHEET: UNI LIGHT EP RIB C

ACCESSORIES - TAB

Bottom hold down tab for uni Light EP Rib belts.



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K, H (RUNNING DIRECTION SHOWN)

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.

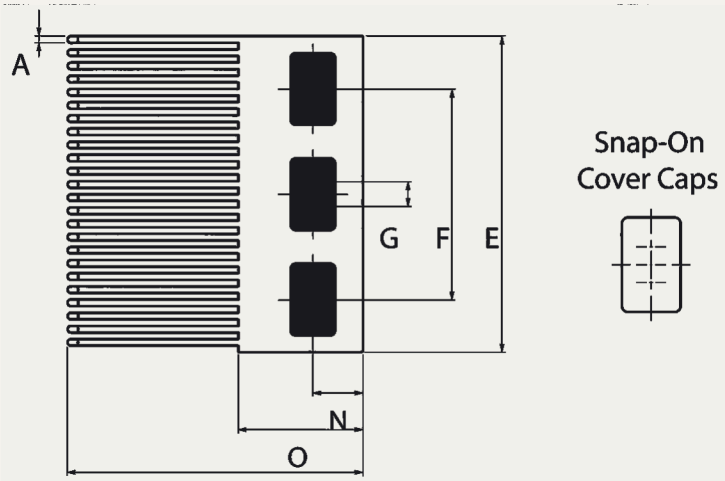
ACCESSORIES - FINGER PLATES

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate.



SINGLE SIDED FINGER PLATE



FINGER PLATE DIMENSIONS A, E, F, G, H, M, N, O WITH SNAP-ON COVER CAPS (TYPE 2)

ACCESSORIES - FINGER PLATES

TYPE	RECOMMENDED MATERIAL & COLOR	A		E		F		G		H		M		N		O	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Single Sided	POM-LF BR	3.3	0.13	152.4	6.00	101.6	4.00	12.0	0.47	10.3	0.41	135.0	5.31	23.0	0.91	57.0	2.24

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT EP RIB C

UNI LIGHT EP RIB C

DATASHEET: UNI LIGHT EP RIB C

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE													OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54															
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07						●	●	●							87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●					111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■					123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■					135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■					147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■					183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

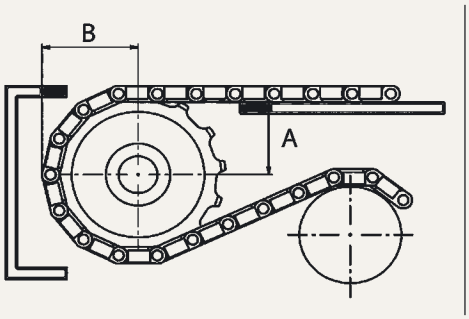
■ *Molded sprocket (square bore)* ● *Molded sprocket (round bore)*
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS ON THE BELT

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 8.5%

UNI LIGHT EP 8.5%

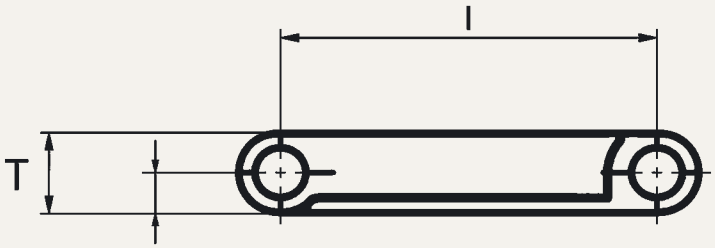
DATASHEET: UNI LIGHT EP 8.5%

PLASTIC MODULAR BELT

Serie: **uni Light EP** — Type: **8.5%**



UNI LIGHT EP 8.5% BELT (RUNNING DIRECTION SHOWN)



BELT CROSS-SECTION: P, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 8.5%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-D W
Recommended Pin and lock material & color	PP W (pin); PP W (lock)

Non standard material and color: See uni Material and Color Overview.
Alternative materials: Belt: POM-LF and PE — Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 — Lock: PP W, PP B, PP G — PP W

BELT DIMENSIONS

DIM.	MM	IN	DIM.	MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT & SPROCKETS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI LIGHT EP 8.5%

UNI LIGHT EP 8.5%

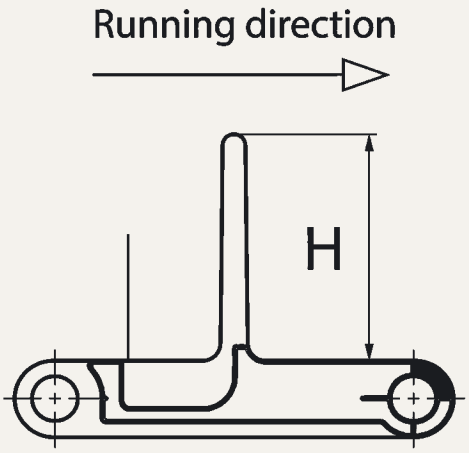
DATASHEET: UNI LIGHT EP 8.5%



NON STICK



FLAT/SUPPORT RIBS



FLIGHT HEIGHT H, RUNNING DIRECTION

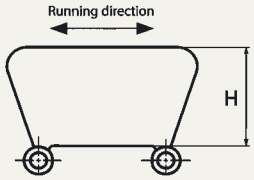
ACCESSORIES - FLIGHT

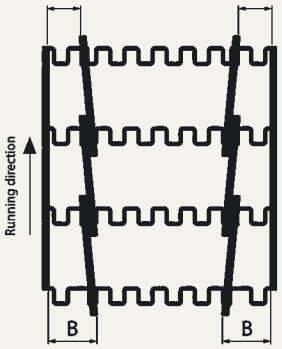
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). increment: 12.7 mm (0.50 in).
Alternative materials: PP-I. PE
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD





SIDE GUARD HEIGHT H AND DIMENSIONS A / B

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

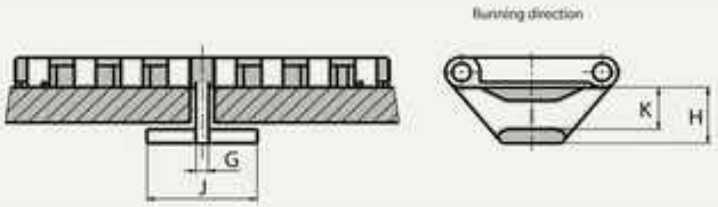
UNI-CHAINS · UNI LIGHT EP 8.5%

UNI LIGHT EP 8.5%

DATASHEET: UNI LIGHT EP 8.5%



BOTTOM HOLD DOWN TAB

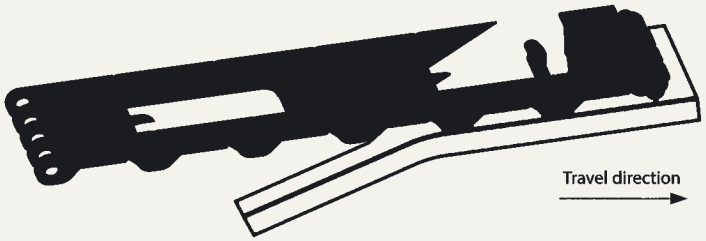


TAB DIMENSIONS G, J, K AND H

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 8.5%

UNI LIGHT EP 8.5%

DATASHEET: UNI LIGHT EP 8.5%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE 0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10					●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11					●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12						●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15						●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

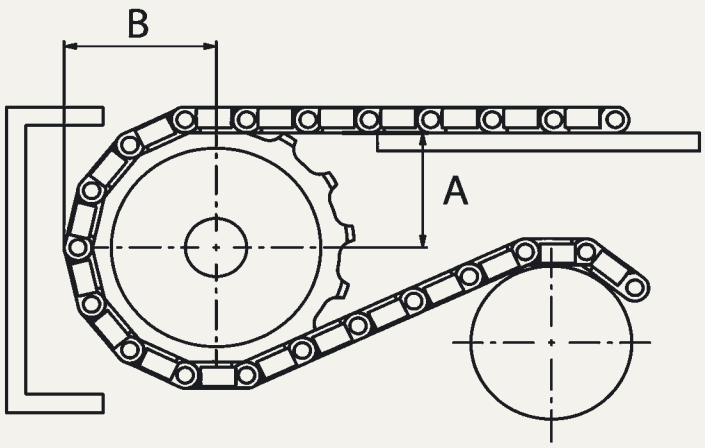
Bore size: upper header figure is inches, lower header figure is mm.
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET (SQUARE BORE)



● MOLDED SPROCKET (ROUND BORE)



A- AND B-DIMENSION ON THE SPROCKET / BELT PATH

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information. contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 18%

UNI LIGHT EP 18%

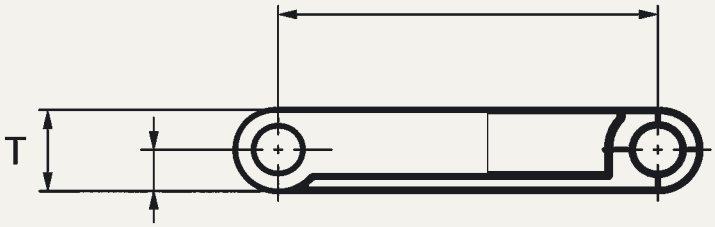
DATASHEET: UNI LIGHT EP 18%

PLASTIC MODULAR BELT

Serie: **uni Light EP** Type: **18%**



UNI LIGHT EP 18% BELT, RUNNING DIRECTION



BELT SECTION: PITCH P, THICKNESS T, DIMENSION L

STRAIGHT RUNNING BELT

- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 18%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

	MATERIAL & COLOR
Recommended Belt material & color	POM-D W
Recommended Pin and lock material & color	PP W (pin) PP W (lock)

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

Alternative materials: Belt: POM-LF and PE Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 Lock: PP W, B, G PP W

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

UNI-CHAINS · UNI LIGHT EP 18%

UNI LIGHT EP 18%

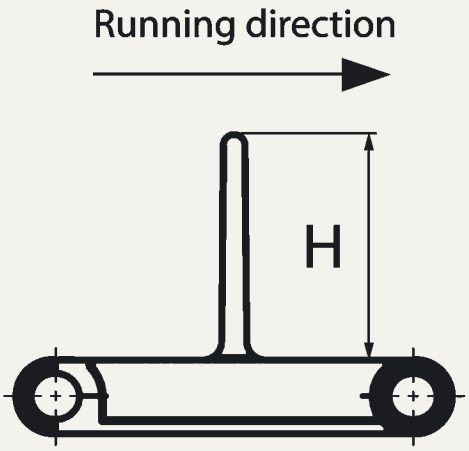
DATASHEET: UNI LIGHT EP 18%



NON STICK



FLAT/SUPPORT RIBS



FLIGHT HEIGHT H (RUNNING DIRECTION SHOWN)

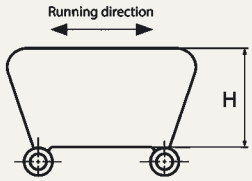
ACCESSORIES - FLIGHT

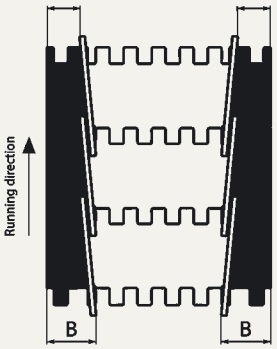
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD





SIDE GUARD DIMENSIONS H, A AND B (RUNNING DIRECTION SHOWN)

ACCESSORIES - SIDE GUARD

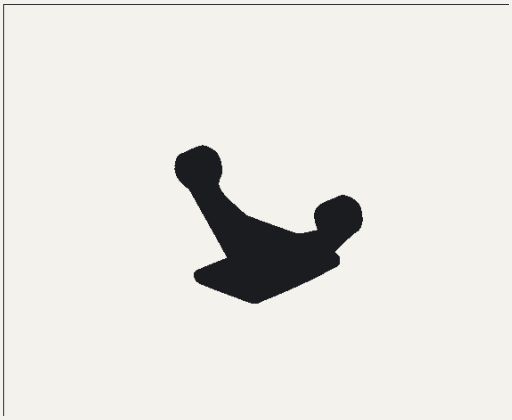
TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

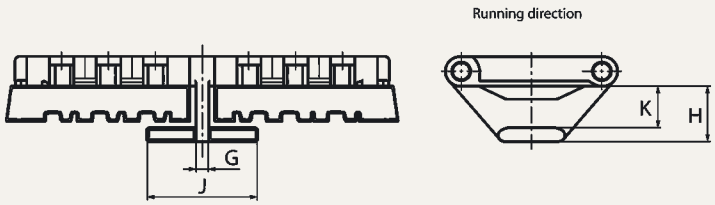
UNI-CHAINS · UNI LIGHT EP 18%

UNI LIGHT EP 18%

DATASHEET: UNI LIGHT EP 18%



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H (RUNNING DIRECTION SHOWN)

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (TRAVEL DIRECTION SHOWN)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 18%

UNI LIGHT EP 18%

DATASHEET: UNI LIGHT EP 18%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

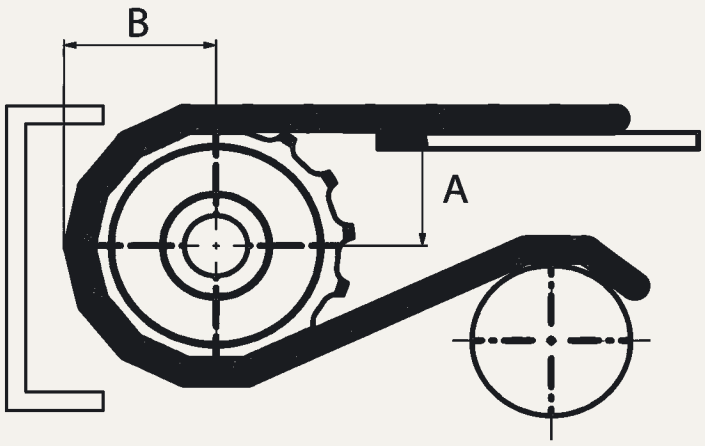
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.8 mm (0.47 in)
Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 22%

UNI LIGHT EP 22%

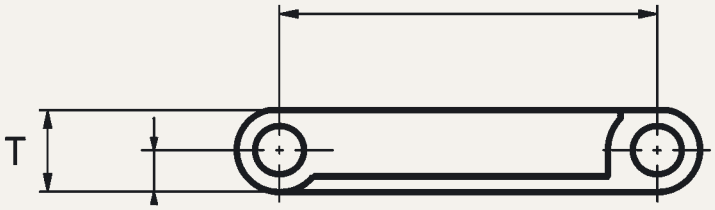
DATASHEET: UNI LIGHT EP 22%

PLASTIC MODULAR BELT

Serie: **uni Light EP** — Type: **22%**



UNI LIGHT EP 22% BELT (RUNNING DIRECTION SHOWN)



BELT CROSS-SECTION: P, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 22%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-D W
Recommended Pin and lock material & color	PP W (pin); PP W (lock)

Non standard material and color: See uni Material and Color Overview.
Alternative materials: Belt: POM-LF and PE — Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 — Lock: PP W, PP B, PP G — PP W

BELT DIMENSIONS

DIM.	MM	IN	DIM.	MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT & SPROCKETS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*
***Max. Carrying Return support spacing: 152 mm (6 in.). Return: 304 mm (12 in.).*

UNI-CHAINS · UNI LIGHT EP 22%

UNI LIGHT EP 22%

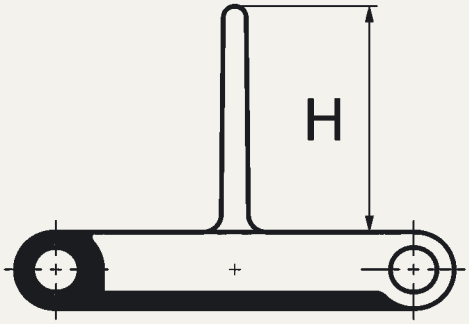
DATASHEET: UNI LIGHT EP 22%



FLIGHT – NON STICK



FLIGHT – FLAT/SUPPORT RIBS



FLIGHT HEIGHT H (RUNNING DIRECTION)

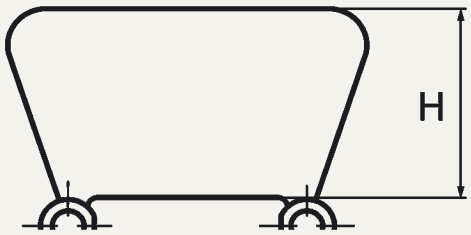
ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

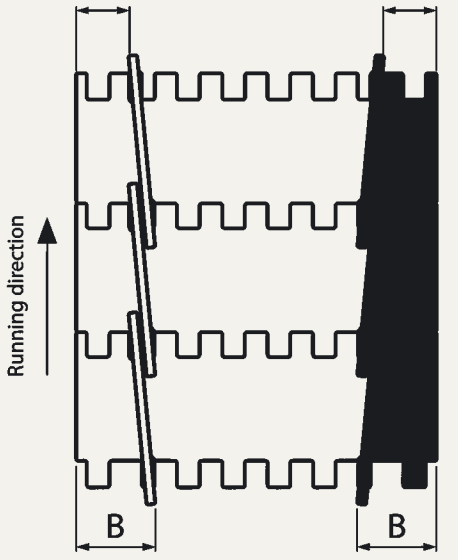
Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.



SIDE GUARD – CLOSED



SIDE GUARD HEIGHT H (RUNNING DIRECTION)



SIDE GUARD DIMENSIONS A AND B (RUNNING DIRECTION)

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

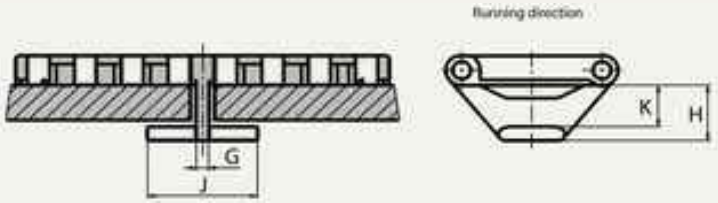
UNI-CHAINS · UNI LIGHT EP 22%

UNI LIGHT EP 22%

DATASHEET: UNI LIGHT EP 22%



TAB – BOTTOM HOLD DOWN



BOTTOM HOLD DOWN TAB DIMENSIONS G, J, K, H (RUNNING DIRECTION)

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (TRAVEL DIRECTION)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 22%

UNI LIGHT EP 22%

DATASHEET: UNI LIGHT EP 22%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

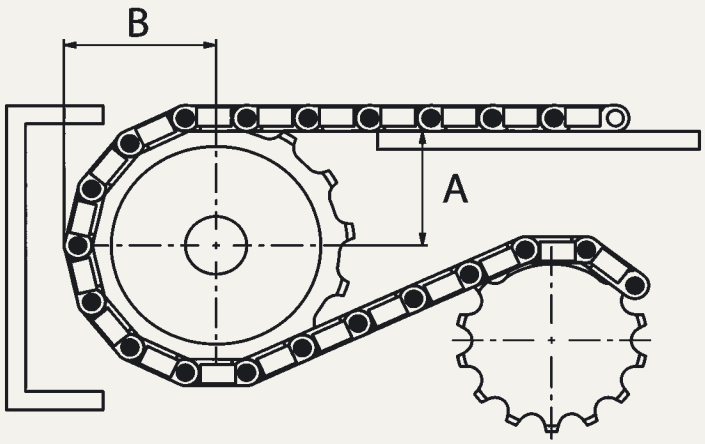
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.8 mm (0.47 in)
Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 28%

UNI LIGHT EP 28%

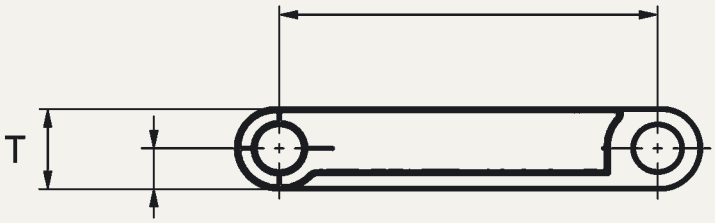
DATASHEET: UNI LIGHT EP 28%

PLASTIC MODULAR BELT

Serie: **uni Light EP** Type: **28%**



UNI LIGHT EP 28% BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 28%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

Recommended Belt material & color	POM-D W
Recommended Pin and lock material & color	Pin: PP W Lock: PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

Alternative materials: Belt: POM-LF and PE · Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 · Lock: PP W, B, G · PP W

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.5	0.33	0.3	0.23	0.4	0.25	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.49	0.5	0.35	0.6	0.37	2	2	2
204	8.0	2091	470	1046	235	627	141	1.0	0.66	0.7	0.47	0.7	0.49	2	2	2
255	10.0	2614	588	1307	294	784	176	1.2	0.82	0.9	0.58	0.9	0.62	2	2	2
306	12.0	3137	705	1568	353	941	212	1.5	0.99	1.0	0.70	1.1	0.74	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.7	1.15	1.2	0.82	1.3	0.86	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.0	1.32	1.4	0.93	1.5	0.99	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.2	1.48	1.6	1.05	1.7	1.11	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.4	1.65	1.7	1.17	1.8	1.23	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.7	1.81	1.9	1.28	2.0	1.36	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.9	1.97	2.1	1.40	2.2	1.48	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.2	2.14	2.3	1.51	2.4	1.60	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.4	2.30	2.4	1.63	2.6	1.73	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	9.5	6.41	6.8	4.54	7.2	4.81	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	14.2	9.53	10.0	6.75	10.6	7.15	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*

UNI-CHAINS · UNI LIGHT EP 28%

UNI LIGHT EP 28%

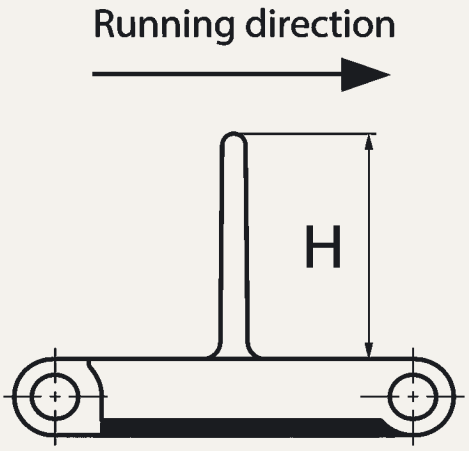
DATASHEET: UNI LIGHT EP 28%



NON STICK



FLAT/SUPPORT RIBS



FLIGHT HEIGHT H, RUNNING DIRECTION

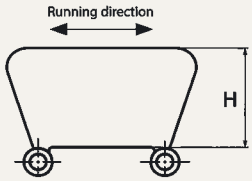
ACCESSORIES - FLIGHT

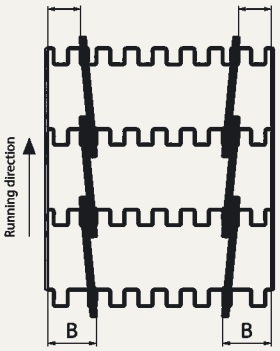
TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD





SIDE GUARD DIMENSIONS H, A AND B

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI LIGHT EP 28%

UNI LIGHT EP 28%

DATASHEET: UNI LIGHT EP 28%



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



PRINCIPLE SKETCH – TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 28%

UNI LIGHT EP 28%

DATASHEET: UNI LIGHT EP 28%

SPROCKET

NO OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 MM / 0.75 IN	20.0 MM / 0.78 IN	25.0 MM / 0.98 IN	25.4 MM / 1.00 IN	30.0 MM / 1.18 IN	31.8 MM / 1.25 IN	38.1 MM / 1.50 IN	40.0 MM / 1.57 IN	60.0 MM / 2.36 IN	63.5 MM / 2.50 IN	90.0 MM / 3.54 IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10					●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11					●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12						●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15						●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

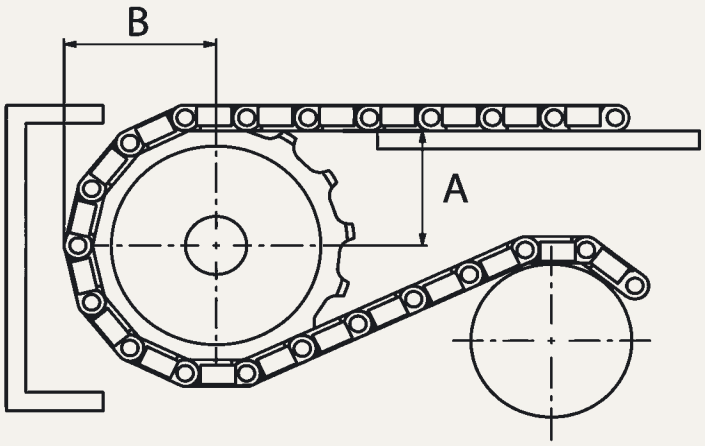
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET A AND B DIMENSIONS ON THE BELT

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.8 mm (0.47 in)
- Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information. contact Customer Service.

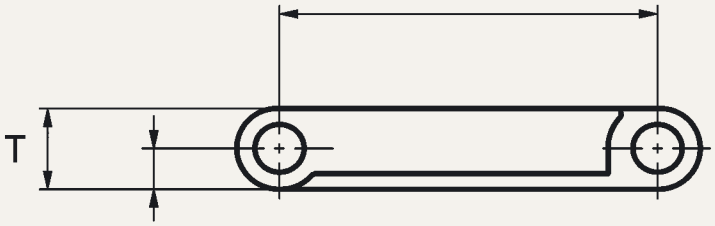
UNI-CHAINS · UNI LIGHT EP 33%

UNI LIGHT EP 33%

DATASHEET: UNI LIGHT EP 33%



UNI LIGHT EP 33% BELT, RUNNING DIRECTION



BELT DIMENSIONS P, T AND L

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 33%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIAL & COLOR

RECOMMENDED	MATERIAL & COLOR
Belt material & color	POM-LF BR
Pin and lock material & color	PP W PP W

Non standard material and color: See uni Material and Color Overview.

Alternative materials: Belt: POM-LF and PE · Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 · PP W, B, G · PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	38.1	1.50
L	4.3	0.17
T	8.5	0.33

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.4	0.30	0.3	0.21	0.3	0.23	2	2	2
153	6.0	1568	353	784	176	470	106	0.7	0.45	0.5	0.32	0.5	0.34	2	2	2
204	8.0	2091	470	1046	235	627	141	0.9	0.60	0.6	0.43	0.7	0.45	2	2	2
255	10.0	2614	588	1307	294	784	176	1.1	0.75	0.8	0.53	0.8	0.57	2	2	2
306	12.0	3137	705	1568	353	941	212	1.3	0.90	0.9	0.64	1.0	0.68	3	3	2
357	14.1	3659	823	1830	411	1098	247	1.6	1.06	1.1	0.74	1.2	0.79	3	3	2
408	16.1	4182	940	2091	470	1255	282	1.8	1.21	1.3	0.85	1.3	0.90	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.0	1.36	1.4	0.96	1.5	1.02	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.2	1.51	1.6	1.06	1.7	1.13	4	4	2
561	22.1	5750	1293	2875	646	1725	388	2.5	1.66	1.7	1.17	1.9	1.24	4	4	2
612	24.1	6273	1410	3137	705	1882	423	2.7	1.81	1.9	1.28	2.0	1.36	5	5	3
663	26.1	6796	1528	3398	764	2039	458	2.9	1.96	2.1	1.38	2.2	1.47	5	5	3
714	28.1	7319	1645	3659	823	2196	494	3.1	2.11	2.2	1.49	2.4	1.58	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	8.7	5.88	6.2	4.14	6.6	4.41	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	13.0	8.74	9.2	6.16	9.8	6.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*

UNI-CHAINS · UNI LIGHT EP 33%

UNI LIGHT EP 33%

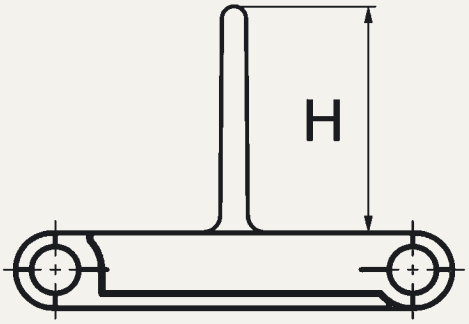
DATASHEET: UNI LIGHT EP 33%



FLIGHT – NON STICK



FLIGHT – FLAT/SUPPORT RIBS



FLIGHT HEIGHT H (RUNNING DIRECTION)

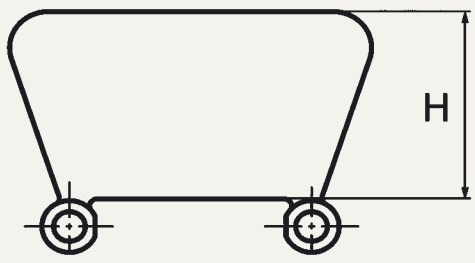
ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
Non Stick	POM-D W	50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	25.4	1.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K400	101.6	4.00	0.0	0.00
Flat/Support Ribs	POM-D W	50.8	2.00	K600	152.8	6.02	0.0	0.00
Flat/Support Ribs	POM-D W	76.2	3.00	K600	152.8	6.02	0.0	0.00

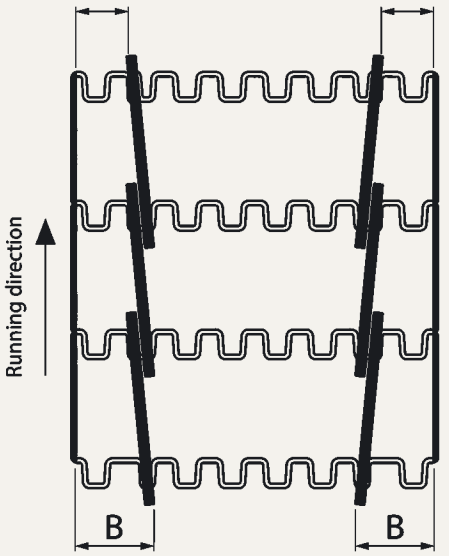
Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE



SIDE GUARD – CLOSED



SIDE GUARD HEIGHT H (RUNNING DIRECTION)



SIDE GUARD DIMENSIONS A AND B (RUNNING DIRECTION)

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	POM-D W	31.7	1.25	15.0	0.59	23.0	0.91

Other Non Standard material and color: See uni Material and Color Overview.

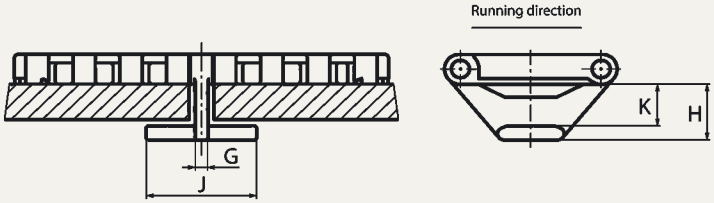
UNI-CHAINS · UNI LIGHT EP 33%

UNI LIGHT EP 33%

DATASHEET: UNI LIGHT EP 33%



TAB – BOTTOM HOLD DOWN



BOTTOM HOLD DOWN TAB DIMENSIONS G, J, K, H (RUNNING DIRECTION)

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH (TRAVEL DIRECTION)

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 33%

UNI LIGHT EP 33%

DATASHEET: UNI LIGHT EP 33%

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

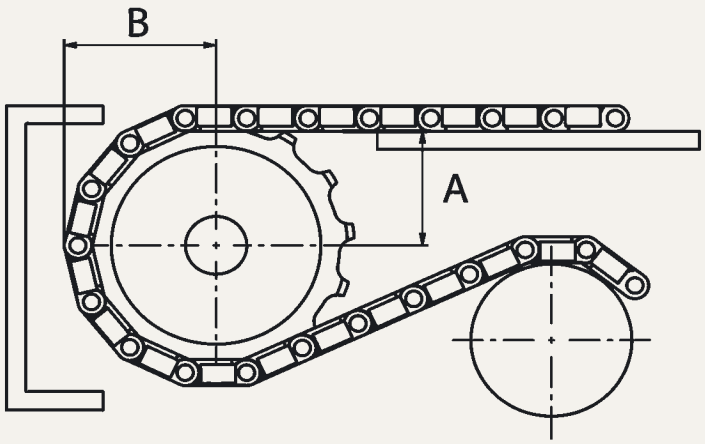
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET A- AND B-DIMENSIONS

SPROCKET NOTES

Other sprocket sizes are available upon request.
Two-part sprocket are available upon request.
Round bores are always delivered with keyway.
Other bore sizes are available upon request.
uni Retainer Rings: See uni Retainer Ring data sheet
Width of tooth = 11.8 mm (0.47 in)
Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account.
Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.
For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 33% RIB

UNI LIGHT EP 33% RIB

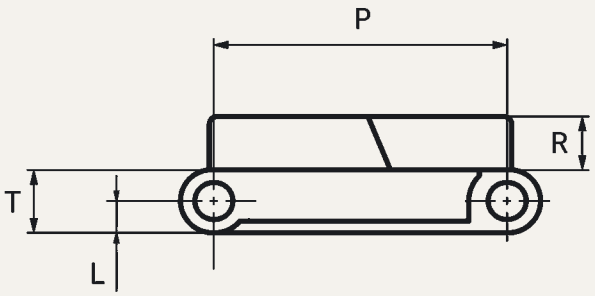
DATASHEET: UNI LIGHT EP 33% RIB

PLASTIC MODULAR BELT

Serie: **uni Light EP** Type: **33% Rib**



UNI LIGHT EP 33% RIB BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L, R

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Rib Top
- Surface opening: 33%
- Backflex radius: 150.0 mm (5.9 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

Recommended Belt material & color	POM-LF BR
Recommended Pin and lock material & color	Pin: PP W Lock: PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	R	7.3	0.29

Alternative materials: Belt: POM-LF and PE · Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 · Lock: PP W, B, G · PP W

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.6	0.40	0.4	0.27	0.4	0.29	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.60	0.6	0.41	0.7	0.44	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.80	0.8	0.55	0.9	0.59	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.99	1.0	0.69	1.1	0.74	2	2	2
306	12.0	3137	705	1568	353	941	212	1.8	1.19	1.2	0.82	1.3	0.88	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.1	1.39	1.4	0.96	1.5	1.03	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.4	1.59	1.6	1.10	1.8	1.18	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.7	1.79	1.8	1.23	2.0	1.33	4	4	2
510	20.1	5228	1175	2614	588	1568	353	3.0	1.99	2.0	1.37	2.2	1.47	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.3	2.19	2.2	1.51	2.4	1.62	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.39	2.4	1.65	2.6	1.77	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.58	2.7	1.78	2.9	1.92	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.78	2.9	1.92	3.1	2.06	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	11.5	7.75	7.9	5.34	8.5	5.74	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	17.1	11.52	11.8	7.94	12.7	8.54	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

UNI-CHAINS · UNI LIGHT EP 33% RIB

UNI LIGHT EP 33% RIB

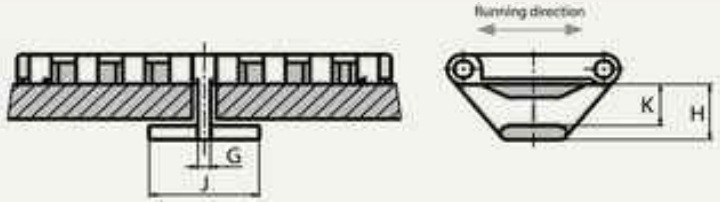
DATASHEET: ACCESSORIES – TAB & FINGER PLATES

ACCESSORIES - TAB

Bottom hold down tab.



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K, H

TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

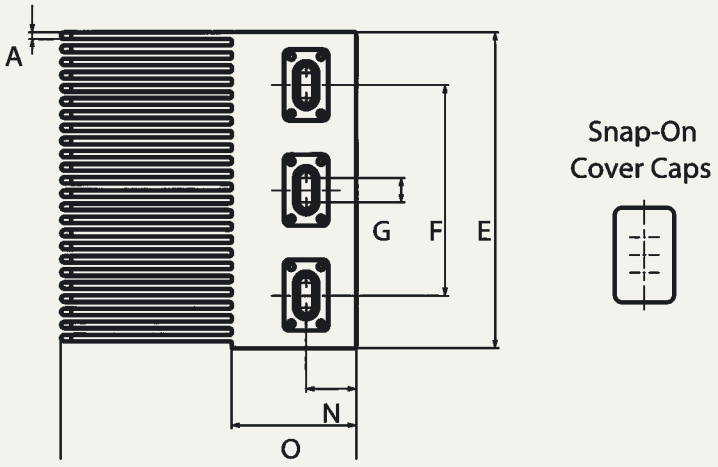
Other Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - FINGER PLATES

Type 2 finger plate with snap-on cover caps.



SINGLE SIDED FINGER PLATE



FINGER PLATE TYPE 2 DIMENSIONS A, E, F, G, H, M, N, O AND SNAP-ON COVER CAPS

FINGER PLATES

TYPE	RECOMMENDED MATERIAL & COLOR	A		E		F		G		H		M		N		O	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
Single Sided	POM-LF BR	3.3	0.13	152.4	6.00	101.6	4.00	12.0	0.47	10.3	0.41	135.0	5.31	23.0	0.91	57.0	2.24

Non Standard material and color: See uni Material and Color Overview.

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a

UNI-CHAINS · UNI LIGHT EP 33% RIB

UNI LIGHT EP 33% RIB

DATASHEET: SPROCKETS FOR UNI LIGHT EP 33% RIB

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07						●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09						●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10						●	●	●	■	●■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11						●	●	●	■	●■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12							●	●	●■	●■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15							●	●	●■	●■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

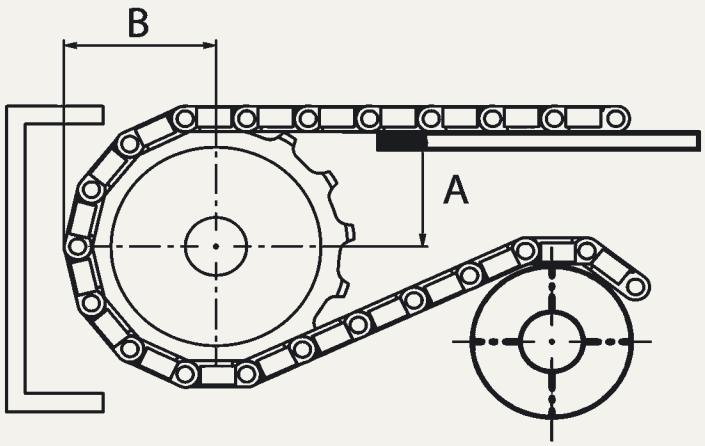
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



SPROCKET POSITION: A- AND B-DIMENSION

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 11.8 mm (0.47 in)
- Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI LIGHT EP 46%

UNI LIGHT EP 46%

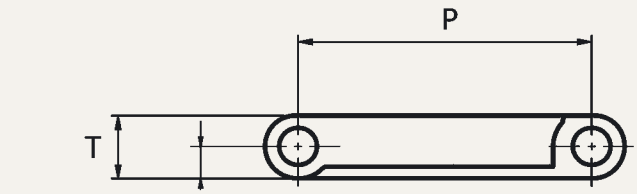
DATASHEET: UNI LIGHT EP 46%

PLASTIC MODULAR BELT

Serie: **uni Light EP** Type: **46%**



UNI LIGHT EP 46% BELT SURFACE, RUNNING DIRECTION



BELT CROSS-SECTION: P, T, L

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 46%
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø5.0 mm (0.20 in)

RECOMMENDED MATERIALS

Recommended Belt material & color	POM-D W
Recommended Pin and lock material & color	Pin: PP W Lock: PP W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	38.1	1.50	T	8.5	0.33
L	4.3	0.17	-	-	-

Alternative materials: Belt: POM-LF and PE · Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 · Lock: PP W, B, G · PP W

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4.0	1046	235	523	118	314	71	0.6	0.39	0.4	0.25	0.4	0.27	2	2	2
153	6.0	1568	353	784	176	470	106	0.9	0.59	0.6	0.38	0.6	0.41	2	2	2
204	8.0	2091	470	1046	235	627	141	1.2	0.78	0.8	0.51	0.8	0.55	2	2	2
255	10.0	2614	588	1307	294	784	176	1.5	0.98	0.9	0.63	1.0	0.69	2	2	2
306	12.0	3137	705	1568	353	941	212	1.7	1.17	1.1	0.76	1.2	0.82	3	3	2
357	14.1	3659	823	1830	411	1098	247	2.0	1.37	1.3	0.89	1.4	0.96	3	3	2
408	16.1	4182	940	2091	470	1255	282	2.3	1.56	1.5	1.01	1.6	1.10	3	3	2
459	18.1	4705	1058	2352	529	1411	317	2.6	1.76	1.7	1.14	1.8	1.23	4	4	2
510	20.1	5228	1175	2614	588	1568	353	2.9	1.95	1.9	1.27	2.0	1.37	4	4	2
561	22.1	5750	1293	2875	646	1725	388	3.2	2.15	2.1	1.39	2.2	1.51	4	4	2
612	24.1	6273	1410	3137	705	1882	423	3.5	2.34	2.3	1.52	2.4	1.65	5	5	3
663	26.1	6796	1528	3398	764	2039	458	3.8	2.54	2.5	1.65	2.7	1.78	5	5	3
714	28.1	7319	1645	3659	823	2196	494	4.1	2.74	2.6	1.78	2.9	1.92	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78.2	20367	4578	10183	2289	6110	1374	11.3	7.61	7.4	4.94	7.9	5.34	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116.3	30289	6809	15144	3404	9087	2043	16.8	11.32	10.9	7.35	11.8	7.94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.

UNI-CHAINS · UNI LIGHT EP 46%

UNI LIGHT EP 46%

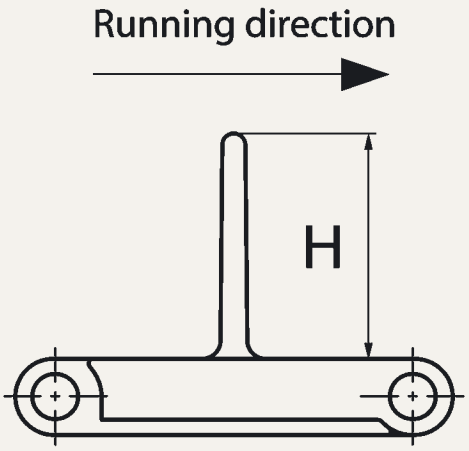
ACCESSORIES: FLIGHT & SIDE GUARD



NON STICK



FLAT/SUPPORT RIBS



FLIGHT HEIGHT H, RUNNING DIRECTION

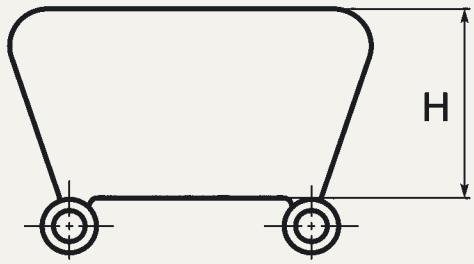
ACCESSORIES - FLIGHT

TYPE	RECOMMENDED MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT LEFT/RIGHT	
		MM	IN		MM	IN	MM	IN
Non Stick	POM-D W	25.4	1.00	K750	191.0	7.52	0.0	0.00
		50.8	2.00	K750	191.0	7.52	17.5	0.69
Flat/Support Ribs	POM-D W	25.4	1.00	K400	101.6	4.00	0.0	0.00
		25.4	1.00	K600	152.8	6.02	0.0	0.00
		50.8	2.00	K400	101.6	4.00	0.0	0.00
		50.8	2.00	K600	152.8	6.02	0.0	0.00
		76.2	3.00	K600	152.8	6.02	0.0	0.00

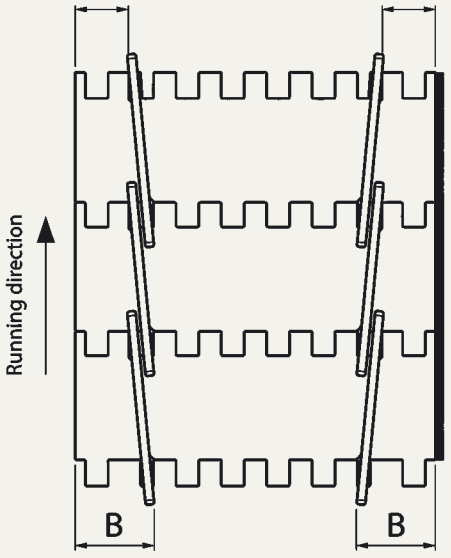
Minimum bricklayed indent for uni Light EP flights is 38.1 mm (1.50 in). Increment: 12.7 mm (0.50 in).
Alternative materials: PP-I, PE
Non Standard material and color: See uni Material and Color Overview.



CLOSED SIDE GUARD



SIDE GUARD HEIGHT H, RUNNING DIRECTION



SIDE GUARD A AND B DIMENSIONS, TOP VIEW

ACCESSORIES - SIDE GUARD

TYPE	RECOMMENDED MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN

UNI-CHAINS · UNI LIGHT EP 46%

UNI LIGHT EP 46%

ACCESSORIES: TAB & NON STANDARD UNI AMFLIGHT



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H; RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP 46%

UNI LIGHT EP 46%

SPROCKET DIMENSIONS AND BORE SIZES

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE 0.75 IN / 19.1 MM	0.78 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	OVERALL DIAMETER MM	OVERALL DIAMETER IN	PITCH-DIAMETER MM	PITCH-DIAMETER IN	HUB-DIAMETER MM	HUB-DIAMETER IN	A-DIMENSION MM	A-DIMENSION IN	B-DIMENSION MM	B-DIMENSION IN	SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10					●	●	●	■	● ■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11					●	●	●	■	● ■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12						●	●	● ■	● ■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15						●	●	● ■	● ■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

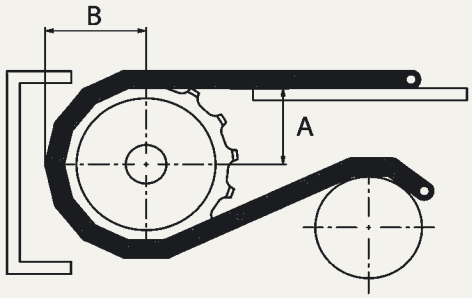
■ Molded sprocket ● Molded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



■ MOLDED SPROCKET



● MOLDED SPROCKET



A- AND B-DIMENSION ON THE SPROCKET

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information, contact Customer Service.

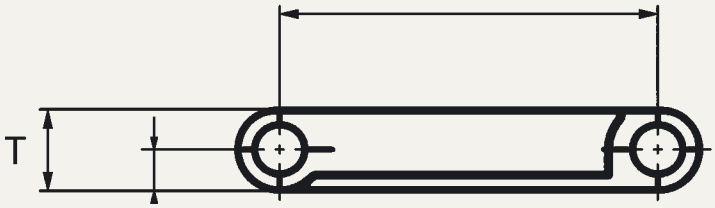
UNI-CHAINS · UNI LIGHT EP VACUUM

UNI LIGHT EP VACUUM

PLASTIC MODULAR BELT – SERIE UNI LIGHT EP, TYPE VACUUM



UNI LIGHT EP VACUUM BELT, RUNNING DIRECTION



LINK DIMENSIONS P, T AND L

BELT DATA

- Straight running belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 75.0 mm (3.0 in)
- Pin diameter: ø3.2 mm (0.13 in)

RECOMMENDED MATERIAL & COLOR

COMPONENT	MATERIAL & COLOR
Recommended Belt material & color	POM-LF BR
Recommended Pin and lock material & color	Pin: PP W / Lock: PP W

Non standard material and color: See uni Material and Color Overview.
Alternative materials: Belt: POM-LF and PE | Pin: PP W, PA6.6 B, PE W, PBT LG and SS304 | Lock: PP W, B, G | PP W

BELT DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	38.1	1.50
L	4.3	0.17
T	8.5	0.33

BELT WIDTH, TENSILE FORCE, WEIGHT AND SPROCKET/WEAR STRIP REQUIREMENTS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6		PP/PA6.6		PE/PA6.6		POM-D/PA6.6		PP/PA6.6		PE/PA6.6			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
102	4,0	1046	235	523	118	314	71	0,6	0,39	0,4	0,25	0,4	0,27	2	2	2
153	6,0	1568	353	784	176	470	106	0,9	0,59	0,6	0,38	0,6	0,41	2	2	2
204	8,0	2091	470	1046	235	627	141	1,2	0,78	0,8	0,51	0,8	0,55	2	2	2
255	10,0	2614	588	1307	294	784	176	1,5	0,98	0,9	0,63	1,0	0,69	2	2	2
306	12,0	3137	705	1568	353	941	212	1,7	1,17	1,1	0,76	1,2	0,82	3	3	2
357	14,1	3659	823	1830	411	1098	247	2,0	1,37	1,3	0,89	1,4	0,96	3	3	2
408	16,1	4182	940	2091	470	1255	282	2,3	1,56	1,5	1,01	1,6	1,10	3	3	2
459	18,1	4705	1058	2352	529	1411	317	2,6	1,76	1,7	1,14	1,8	1,23	4	4	2
510	20,1	5228	1175	2614	588	1568	353	2,9	1,95	1,9	1,27	2,0	1,37	4	4	2
561	22,1	5750	1293	2875	646	1725	388	3,2	2,15	2,1	1,39	2,2	1,51	4	4	2
612	24,1	6273	1410	3137	705	1882	423	3,5	2,34	2,3	1,52	2,4	1,65	5	5	3
663	26,1	6796	1528	3398	764	2039	458	3,8	2,54	2,5	1,65	2,7	1,78	5	5	3
714	28,1	7319	1645	3659	823	2196	494	4,1	2,74	2,6	1,78	2,9	1,92	5	5	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
1987	78,2	20367	4578	10183	2289	6110	1374	11,3	7,61	7,4	4,94	7,9	5,34	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 50.9 MM (2.00 IN.) ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN.)																
2955	116,3	30289	6809	15144	3404	9087	2043	16,8	11,32	10,9	7,35	11,8	7,94	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 600 N (135 lbf), PE 600 N (135 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.); Return: 304 mm (12 in.)*

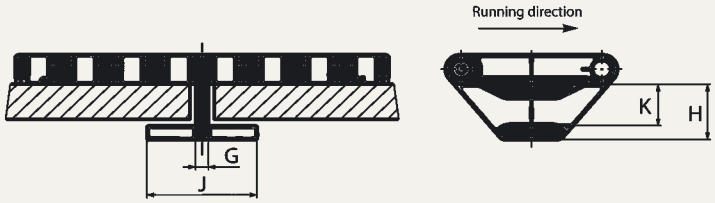
UNI-CHAINS · UNI LIGHT EP VACUUM

UNI LIGHT EP VACUUM

DATASHEET: UNI LIGHT EP VACUUM



TAB



TAB DIMENSIONS G, J, K, H – RUNNING DIRECTION

ACCESSORIES - TAB

TYPE	RECOMMENDED MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN		
Bottom Hold Down	POM-D W	3.5	0.14	26.0	1.02	12.4	0.49	16.4	0.65

Other Non Standard material and color: See uni Material and Color Overview.



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, TRAVEL DIRECTION

ACCESSORIES - NON STANDARD UNI AMFLIGHT

Other Non Standard option: See uni AmFlight Overview.

UNI-CHAINS · UNI LIGHT EP VACUUM

UNI LIGHT EP VACUUM

DATASHEET: UNI LIGHT EP VACUUM

SPROCKET

NO OF TEETH	BORE SIZE (IN / MM)												OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG – MOLDED	PA6 N – MACHINED
	PILOT BORE	0.75 / 19.1	0.78 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07					●	●	●						87.8	3.46	86.0	3.39	65.0	2.56	35.2	1.39	48.3	1.90	x		x	
Z09					●	●	●	■	●				111.4	4.39	110.6	4.35	90.0	3.54	48.0	1.89	60.0	2.36	x		x	
Z10					●	●	●	■	● ■				123.3	4.85	122.7	4.83	100.0	3.94	54.3	2.14	66.0	2.60	x		x	
Z11					●	●	●	■	● ■				135.2	5.32	135.0	5.31	110.0	4.33	60.5	2.38	72.0	2.83	x		x	
Z12						●	●	● ■	● ■				147.2	5.80	147.1	5.79	120.0	4.72	66.7	2.63	78.0	3.07	x		x	
Z15						●	●	● ■	● ■				183.2	7.21	183.5	7.22	120.0	4.72	85.3	3.36	96.0	3.78	x		x	

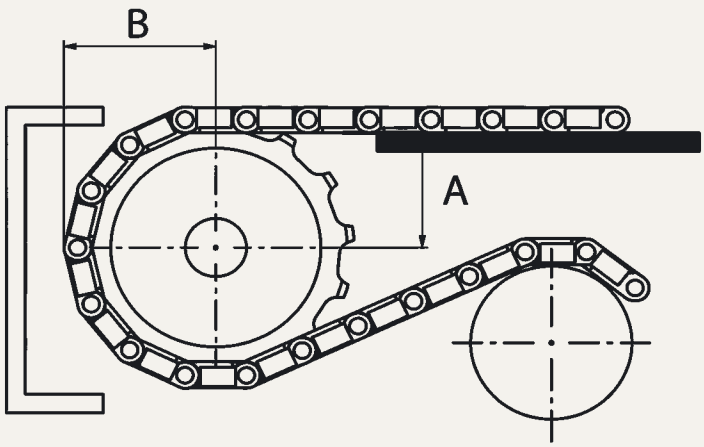
■ Molded sprocket (square bore) ● Molded sprocket (round bore)
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



A- AND B-DIMENSION ON THE DRIVE SHAFT

SPROCKET NOTES

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 11.8 mm (0.47 in)

Width of sprocket = 23.2 mm (0.91 in)

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Light EP.

For more detailed sprocket information, contact Customer Service.

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UNI L-SNB 36%

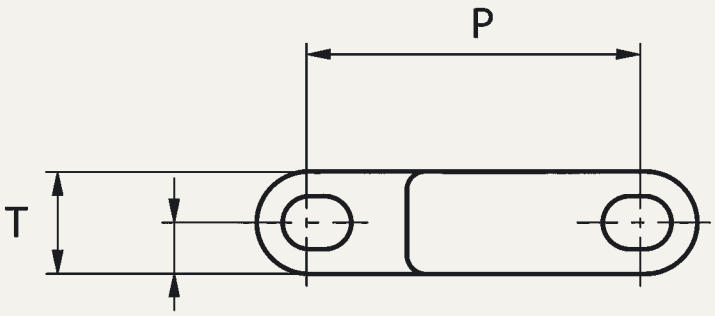
DATASHEET: UNI L-SNB 36%

PLASTIC MODULAR BELT

Serie **uni L-SNB** Type **36%**



UNI L-SNB 36% BELT – RUNNING DIRECTION



LINK DIMENSIONS P, T, L

STRAIGHT RUNNING

- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Flat
- Surface opening: 36%
- Backflex radius: 70.0 mm (2.80 in)
- Pin diameter: 8.0 mm (0.31 in)

BELT, PIN AND LOCK MATERIAL & COLOR

Belt material & color	PP W	PP N
Pin and lock material & color	Pin: PP W Lock: PP W	Pin: PP W Lock: PP N

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W, SS304 Lock: PP G

LINK DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.0	1.97	L	8.0	0.31
T	16.0	0.63	-	-	-

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL: PP)		BELT WEIGHT (BELT/PIN MATERIAL: PP)		*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
153	6.0	2678	602	1.5	1.01	2	2	2
229	9.0	4009	901	2.2	1.51	2	2	2
305	12.0	5340	1200	3.0	2.01	3	3	2
381	15.0	6671	1500	3.7	2.51	3	3	2
457	18.0	8003	1799	4.5	3.01	4	4	2
533	21.0	9334	2098	5.2	3.51	4	4	2
609	24.0	10665	2398	6.0	4.01	5	5	3
686	27.0	11996	2697	6.7	4.51	5	5	3
762	30.0	13328	2996	7.5	5.02	6	6	3
838	33.0	14659	3295	8.2	5.52	6	6	3
914	36.0	15990	3595	9.0	6.02	7	7	4
990	39.0	17322	3894	9.7	6.52	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN).								
1980	78.0	34650	7789	19.4	13.04	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN).								
2969	116.9	51958	11680	29.1	19.55	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material PP with snub roller 2000 N (450 lbf), PP without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in)*
****Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)*

UNI-CHAINS · UNI L-SNB 36%

UNI L-SNB 36%

DATASHEET: UNI L-SNB 36%



REINFORCEMENT LINK

ACCESSORIES - REINFORCEMENT LINK

The use of uni-chains belts with the SS reinforcement / pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends three reinforcement links per K1200 module.

Note: Reinforcement links require the use of SS pins.

REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	2500	562

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI L-SNB 36%

UNI L-SNB 36%

SPROCKET

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x						●	●	●■	●				92.5	3.64	100.0	3.94	70.0	2.76	35.3	1.39	58.0	2.28	x		x	
Z08	x						●	●	●■	●				128.7	5.07	130.7	5.15	70.0	2.76	52.4	2.06	73.3	2.89	x		x	
Z10	x						●	●	●■	●				159.8	6.29	161.8	6.37	70.0	2.76	68.9	2.71	88.9	3.50	x		x	
Z10												□		159.8	6.29	161.8	6.37	120.0	4.72	68.9	2.71	88.9	3.50	x			x
Z12	x						●		■	●				192.5	7.58	193.2	7.61	70.0	2.76	85.3	3.36	104.6	4.12	x		x	
Z12												□		192.5	7.58	193.2	7.61	120.0	4.72	85.3	3.36	104.6	4.12	x			x
Z16	x						○		□	○□		□		257.3	10.13	256.3	10.09	120.0	4.72	117.7	4.63	126.1	4.96	x			x

Bore-size symbols: ■ Molded sprocket, square bore ● Molded sprocket, round bore □ Machined sprocket, square bore ○ Machined sprocket, round bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



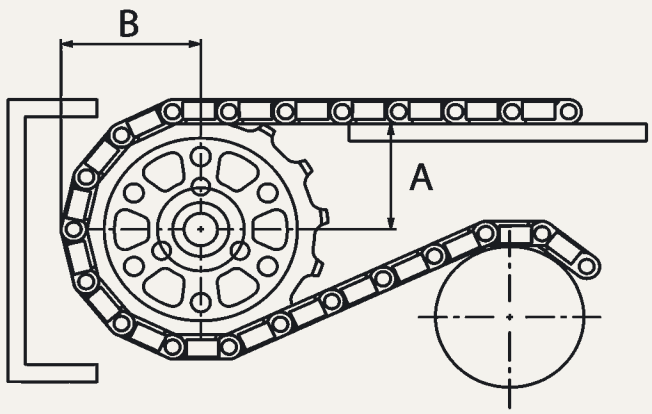
MOLDED SPROCKET – ROUND BORE



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



SPROCKET POSITION – A AND B DIMENSIONS

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni L-SNB. For more detailed sprocket information, contact Customer Service.

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 7.0 mm (0.28 in)
- Width of sprocket = 42.3 mm (1.67 in)

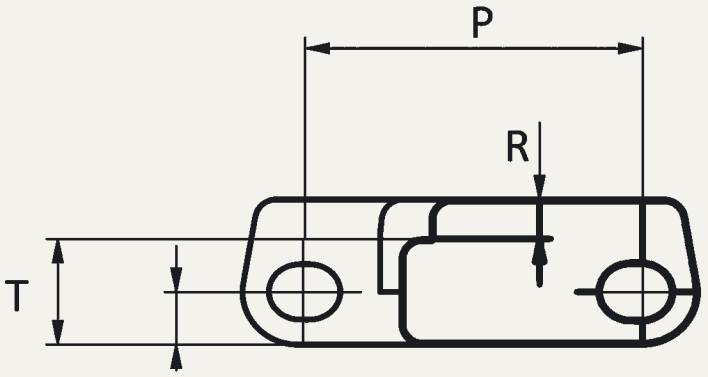
UNI-CHAINS · UNI L-SNB RIB 36%

UNI L-SNB RIB 36%

PLASTIC MODULAR BELT – SERIE UNI L-SNB, TYPE RIB 36%



UNI L-SNB RIB 36% BELT (RUNNING DIRECTION SHOWN)



LINK DIMENSIONS P, R, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 50.0 mm (1.97 in)
- Surface type: Rib Top
- Surface opening: 36%
- Backflex radius: 140.0 mm (5.50 in)
- Pin diameter: ø8.0 mm (0.31 in)

LINK DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	50.0	1.97
R	6.0	0.23
T	16.0	0.63
L	8.0	0.31

BELT, PIN AND LOCK MATERIAL & COLOR

BELT MATERIAL & COLOR	PIN MATERIAL & COLOR	LOCK MATERIAL & COLOR
POM-LF BR	PP W	PP G
PP G	PP W	PP G
PP-HW LB	PP-HW LB	PP-HW LB

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Pin: PE W, SS304

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)				BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		PP/PP		POM/LF-PP		PP/PP		POM/LF-PP			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
153	6.0	4559	1025	8415	1892	1.5	1.01	2.3	1.52	2	2	2
229	9.0	6826	1535	12599	2832	2.2	1.51	3.4	2.28	2	2	2
305	12.0	9093	2044	16783	3773	3.0	2.01	4.5	3.04	3	3	2
381	15.0	11360	2554	20967	4713	3.7	2.51	5.6	3.79	3	3	2
457	18.0	13627	3063	25151	5654	4.5	3.01	6.8	4.55	4	4	2
533	21.0	15894	3573	29335	6595	5.2	3.51	7.9	5.31	4	4	2
609	24.0	18161	4083	33519	7535	6.0	4.01	9.0	6.06	5	5	3
686	27.0	20428	4592	37703	8476	6.7	4.51	10.1	6.82	5	5	3
762	30.0	22695	5102	41887	9416	7.5	5.02	11.3	7.57	6	6	3
838	33.0	24962	5611	46071	10357	8.2	5.52	12.4	8.33	6	6	3
914	36.0	27229	6121	50255	11297	9.0	6.02	13.5	9.09	7	7	4
990	39.0	29496	6631	54439	12238	9.7	6.52	14.6	9.84	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN.)												
1980	78.0	59004	13264	108900	24481	19.4	13.04	29.3	19.69	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.1 MM (3.00 IN.)												
2969	116.9	88476	19889	163295	36709	29.1	19.55	43.9	29.53	20	20	10

General belt tolerance is +0/-0.4% at 23°C/73°F and 50% RH. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: PP-HW with snub roller 2000 N (450 lbf), PP-HW without snub roller 1250 N (281 lbf)*
***Max. Spacing between wear strips, Carry: 152 mm (6 in.) ; Return: 304 mm (12 in.)*
****Load capacity per row of reinforcement links in the belt: 2500 N (562 lbf)*
****Example: Belt with 8 rows of reinforcement links, permissible load is 8 × 2500 N (562 lbf) = 20000 N (4496 lbf)*
☐ = Single Link

UNI-CHAINS · UNI L-SNB RIB 36%

UNI L-SNB RIB 36%

ACCESSORIES



ACCESSORIES – REINFORCEMENT LINK

ACCESSORIES - REINFORCEMENT LINK

The use of uni-chains belts with the SS reinforcement / pitch control links in blanchers, cookers and other high temperature applications will reduce belt elongation due to temperature by more than 90%. This will simplify the belt take-up system and reduce maintenance.

uni-chains recommends three reinforcement links per K1200 module.

Note: Reinforcement links require the use of SS pins.

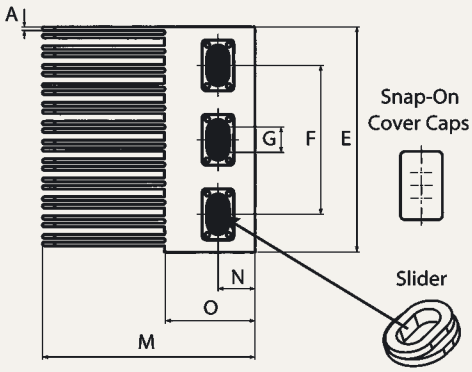
REINFORCEMENT LINK

TYPE	MATERIAL & COLOR	N/ROW	LBF/ROW
Steel Link	SS316	2500	562

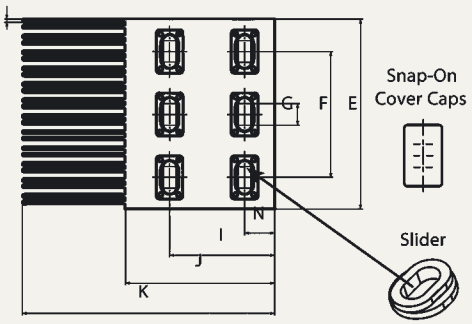
Non Standard material and color: See uni Material and Color Overview.



FINGER PLATE



TYPE A FINGER PLATE – DIMENSIONS A, E, F, G, H, M, N, O, WITH SNAP-ON COVER CAPS AND SLIDER



TYPE B FINGER PLATE – DIMENSIONS A, E, F, G, H, I, J, K, N, WITH SNAP-ON COVER CAPS AND SLIDER

FINGER PLATES - TYPE, MATERIAL AND DIMENSIONS A, E, F, G

TYPE	MATERIAL & COLOR	A		E		F		G	
		MM	IN	MM	IN	MM	IN	MM	IN
Single Sided 150×149 **Single Sided 120×149**	POM-LF BR POM-DI G	2.5	0.10	152.1	5.99	100.3	3.95	12.0	0.47

FINGER PLATES - DIMENSIONS H, I, J, K, M, N, O

H		I		J		K		M		N		O	
MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
10.0	0.39	80.0	3.15	114.0	4.49	192.0	7.56	135.0	5.31	23.0	0.91	57.0	6.18

ACCESSORIES - FINGER PLATES

All uni-chains belt systems are available in a raised rib version that can be supplied with matching finger plates, also called combs.

The finger plates are supplied with cover caps which can be attached when the finger plate has been installed. The cover caps can be removed by using a screwdriver that can be inserted between the cover and finger plate. In order to adjust to belt width variations caused by temperature fluctuations, a slider facilitates the sideways movement of the finger plates.

Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI L-SNB RIB 36%

UNI L-SNB RIB 36%

SPROCKET

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.78	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/ONE WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z06	x						●	●	●■	●				92.5	3.64	100.0	3.94	70.0	2.76	35.3	1.39	58.0	2.28	x		x	
Z08	x						●	●	●■	●				128.7	5.07	130.7	5.15	70.0	2.76	52.4	2.06	73.3	2.89	x		x	
Z10	x						●	●	●■	●				159.8	6.29	161.8	6.37	70.0	2.76	68.9	2.71	88.9	3.50	x		x	
Z10												□		159.8	6.29	161.8	6.37	120.0	4.72	68.9	2.71	88.9	3.50	x			x
Z12	x						●		■	●				192.5	7.58	193.2	7.61	70.0	2.76	85.3	3.36	104.6	4.12	x		x	
Z12												□		192.5	7.58	193.2	7.61	120.0	4.72	85.3	3.36	104.6	4.12	x			x
Z16	x						○		□	○□		□		257.3	10.13	256.3	10.09	120.0	4.72	117.7	4.63	126.1	4.96	x			x

Bore-size symbols: ■ Molded sprocket, square bore ● Molded sprocket, round bore ☐ Machined sprocket, square bore ○ Machined sprocket, round bore.
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



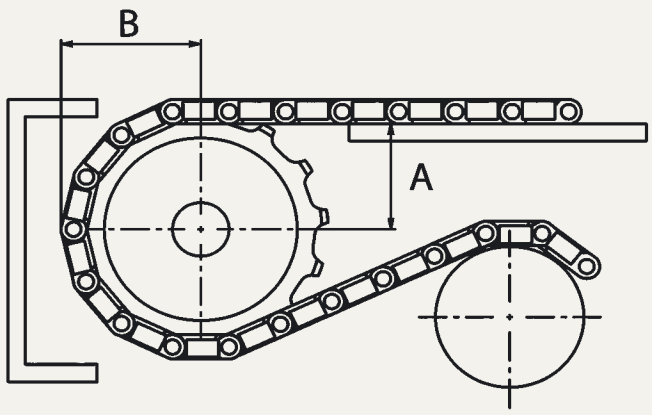
MOLDED SPROCKET – ROUND BORE



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



SPROCKET POSITION – A AND B DIMENSIONS

Max load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni L-SNB. For more detailed sprocket information, contact Customer Service.

- Other sprocket sizes are available upon request.
- Two-part sprocket are available upon request.
- Round bores are always delivered with keyway.
- Other bore sizes are available upon request.
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 7.0 mm (0.28 in)
- Width of sprocket = 42.3 mm (1.67 in)

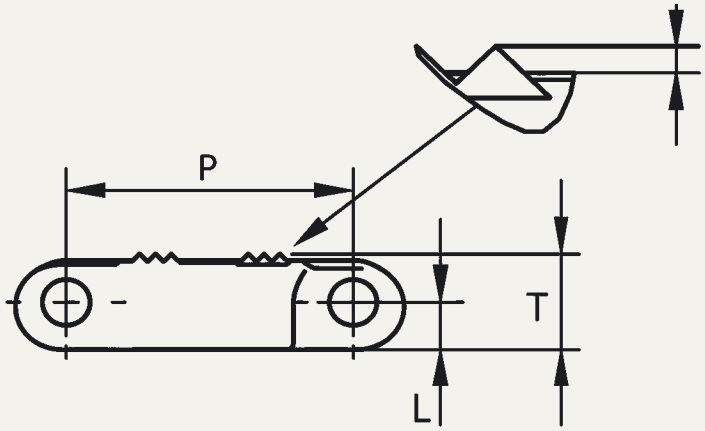
UNI-CHAINS · UNI LPB ROUGH POM-NLAS

UNI LPB ROUGH POM-NLAS

DATASHEET: UNI LPB ROUGH POM-NLAS



UNI LPB ROUGH BELT (RUNNING DIRECTION SHOWN)



LINK DIMENSIONS P, R, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Rough (R10)
- Surface opening: Closed
- Backflex radius: 25.0 mm (0.98 in)
- Pin diameter: 4.0 mm (0.16 in)

PLASTIC MODULAR BELT - SERIES UNI LPB, TYPE ROUGH, MATERIAL POM-NLAS

BELT MATERIAL & COLOR	PIN MATERIAL & COLOR
POM-NLAS (K)	PA6.6 (B)

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG

LINK DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
R	0.9	0.04
L	4.4	0.17
T	8.9	0.35

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POM-NLAS/PA66		***BELT WEIGHT (BELT/PIN MATERIAL) POM-NLAS/PA66		MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
153	6.0	5355	1204	1.0	0.68	2	1	1
229	9.0	8015	1802	1.5	1.02	2	1	1
305	12.0	10675	2400	2.0	1.35	3	3	2
381	15.0	13335	2998	2.5	1.69	3	3	2
457	18.0	15995	3596	3.0	2.03	4	4	2
533	21.0	18655	4194	3.5	2.36	4	4	2
609	24.0	21315	4792	4.0	2.70	5	5	3
685	27.0	23975	5390	4.5	3.04	5	5	3
761	30.0	26635	5988	5.0	3.38	6	6	3
837	33.0	29295	6586	5.5	3.71	6	6	3
913	35.9	31955	7183	6.0	4.05	7	7	4
989	38.9	34615	7781	6.5	4.39	7	7	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN).								
1978	77.9	69230	15563	13.1	8.77	14	14	7
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.0 MM (2.99 IN). ADDITIONAL NON-STANDARD								

UNI-CHAINS · UNI LPB ROUGH POM-NLAS

UNI LPB ROUGH POM-NLAS

DATASHEET: UNI LPB ROUGH POM-NLAS

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	1.00	1.18	1.25	1.50	1.57	2.36	2.50	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	25.4	30.0	31.8	38.1	40.0	60.0	63.5	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	●■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	●■	●■	²■	¹■	121.5	4.78	122.2	4.81	70.0 ¹100.0 ²104.0	2.76 ¹3.94 ²4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	●■	●■	²■	¹■	146.0	5.75	146.3	5.76	70.0 ²104.0 ¹120.0	2.76 ²4.09 ¹4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	●■	■	¹■	¹■	154.2	6.07	154.3	6.07	70.0 ¹120.0	2.76 ¹4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



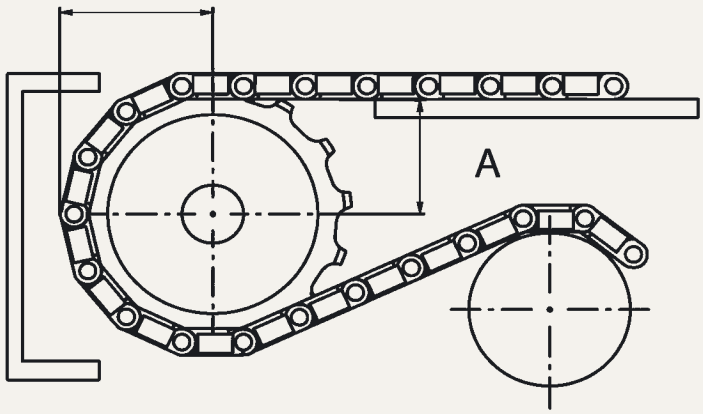
● MOULDED SPROCKET



■ MOULDED SPROCKET



■ MOULDED SPROCKET



SPROCKET POSITION ON THE BELT: A- AND B-DIMENSION

SPROCKET NOTES

Same sprocket type as for the uni QNB serie.

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

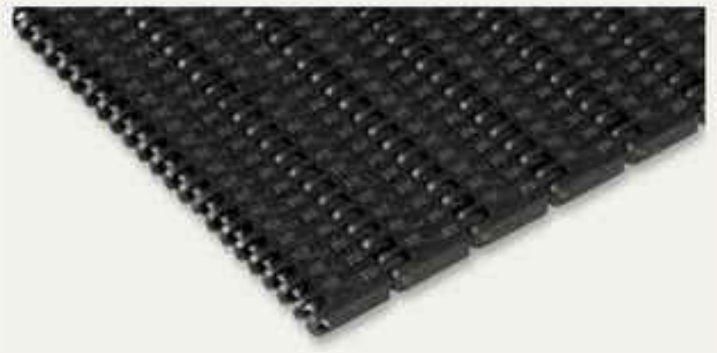
Width of tooth = 10.0 mm (0.39 in)

Width of sprocket = 25.0 mm (0.98 in)

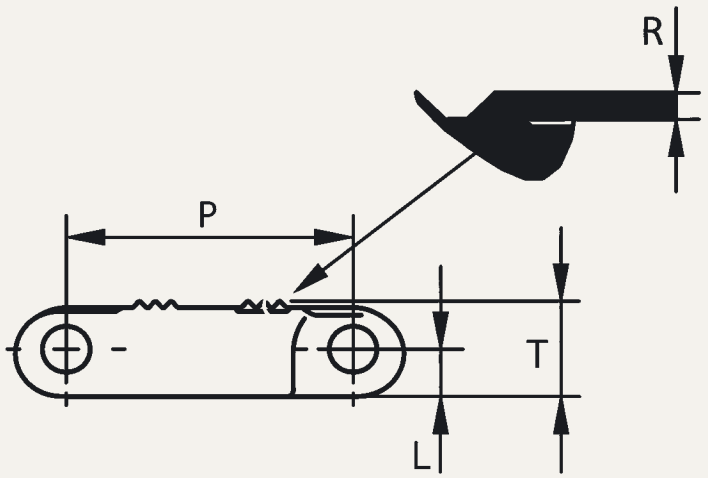
UNI-CHAINS · UNI LPB ROUGH POX-FREC

UNI LPB ROUGH POX-FREC

DATASHEET: UNI LPB ROUGH POX-FREC



UNI LPB ROUGH BELT (RUNNING DIRECTION SHOWN)



LINK DIMENSIONS P, R, T, L

BELT DATA

- Straight running belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Rough (R11)
- Surface opening: Closed
- Backflex radius: 25.0 mm (0.98 in)
- Pin diameter: 4.0 mm (0.16 in)

PLASTIC MODULAR BELT - SERIES UNI LPB, TYPE ROUGH, MATERIAL POX-FREC

BELT MATERIAL & COLOR	PIN MATERIAL & COLOR
POX-FREC (K)	PA6.6 (B)

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Lockpin: PBT LG

LINK DIMENSIONS

DIMENSION	MM	IN
P (Nominal)	25.4	1.00
R	0.9	0.04
L	4.4	0.17
T	8.9	0.35

BELT WIDTH, TENSILE FORCE, WEIGHT AND WEAR STRIPS

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL) POX-FREC/PA66		***BELT WEIGHT (BELT/PIN MATERIAL) POX-FREC/PA66		MIN NO DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO)	
MM	IN	N	LBF	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
153	6.0	3481	782	1.0	0.65	2	1	1
229	9.0	5210	1171	1.4	0.97	2	1	1
306	12.0	6962	1565	1.9	1.30	3	3	2
382	15.0	8691	1954	2.4	1.62	3	3	2
458	18.0	10420	2342	2.9	1.94	4	4	2
534	21.0	12149	2731	3.4	2.26	4	4	2
611	24.1	13900	3125	3.8	2.59	5	5	3
687	27.0	15629	3513	4.3	2.91	5	5	3
763	30.0	17358	3902	4.8	3.23	6	6	3
839	33.0	19087	4291	5.3	3.55	6	6	3
916	36.1	20839	4685	5.8	3.88	7	7	4
992	39.1	22568	5073	6.2	4.20	7	7	4

ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.5 MM (3.01 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.5 MM (3.01 IN).

UNI-CHAINS · UNI LPB ROUGH POX-FREC

UNI LPB ROUGH POX-FREC

DATASHEET: UNI LPB ROUGH POX-FREC

SPROCKET

NO OF TEETH	PILOT BORE	BORE SIZE IN	1.00	1.18	1.25	1.50	1.57	2.36	2.50	OVERALL DIAMETER		PITCH-DIAMETER		HUB-DIAMETER		A-DIMENSION		B-DIMENSION		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	25.4	30.0	31.8	38.1	40.0	60.0	63.5	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z10	x		●	●	●	■	●			80.3	3.16	82.2	3.24	65.0	2.56	34.7	1.36	45.5	1.79	x		x	
Z12	x		●	●	●	■	●■			96.8	3.81	98.1	3.86	70.0	2.76	43.0	1.69	53.5	2.11	x		x	
Z15	x			●	●	●■	●■	²■	¹■	121.5	4.78	122.2	4.81	70.0 ¹100.0 ²104.0	2.76 ¹3.94 ²4.09	55.4	2.18	65.5	2.58	x		x	
Z18	x			●	●	●■	●■	²■	¹■	146.0	5.75	146.3	5.76	70.0 ²104.0 ¹120.0	2.76 ²4.09 ¹4.72	67.6	2.66	77.5	3.05	x		x	
Z19	x			●	●	●■	■	¹■	¹■	154.2	6.07	154.3	6.07	70.0 ¹120.0	2.76 ¹4.72	71.7	2.82	81.6	3.21	x		x	

● Moulded sprocket ■ Moulded sprocket ■ Moulded sprocket (see illustrations below).
Non standard material and color: See uni Material and Color Overview.



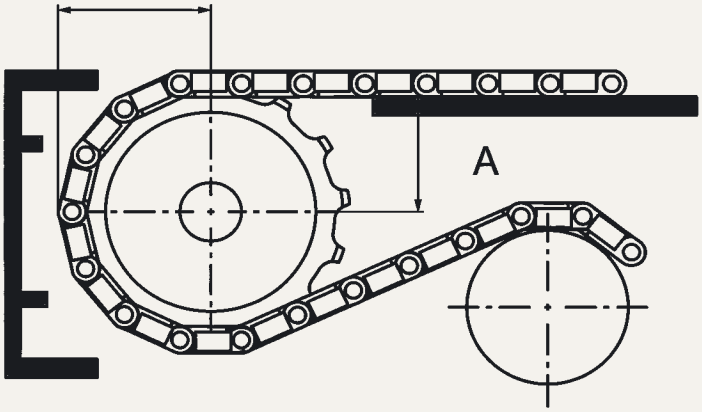
● MOULDED SPROCKET



■ MOULDED SPROCKET



■ MOULDED SPROCKET



SPROCKET POSITION ON THE BELT: A- AND B-DIMENSION

SPROCKET NOTES

Same sprocket type as for the uni QNB serie.

Other sprocket sizes are available upon request.

Two-part sprockets are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of tooth = 10.0 mm (0.39 in)

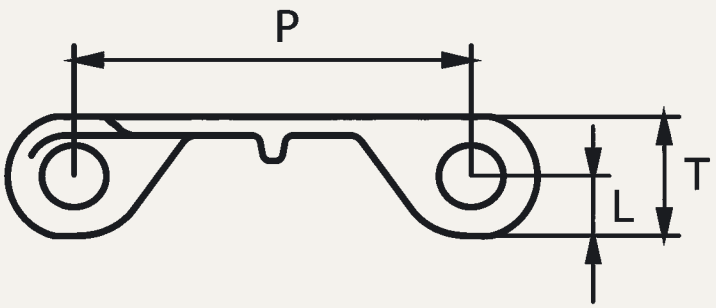
UNI-CHAINS · UNI ULB C

UNI ULB C

PLASTIC MODULAR BELT – SERIES UNI ULB, TYPE C



UNI ULB C BELT, RUNNING DIRECTION



LINK SECTION SHOWING PITCH P, THICKNESS T AND PIN DIAMETER L

SPECIFICATION

- Straight running belt
- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: Closed
- Backflex radius: 65.0 mm (2.6 in)
- Pin diameter: 8 mm (0.31 in)

BELT AND PIN MATERIAL & COLOR

	POM-D	PP-I	PE-I
Belt material & color	W B	W B	N B
Pin material & color	PP W	PP W	PE W

Non standard material and color: See uni Material and Color Overview.

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	16.0	0.63
L	8.0	0.31	-	-	-

BELT WIDTH, PERMISSIBLE TENSILE FORCE, BELT WEIGHT AND DRIVE REQUIREMENTS

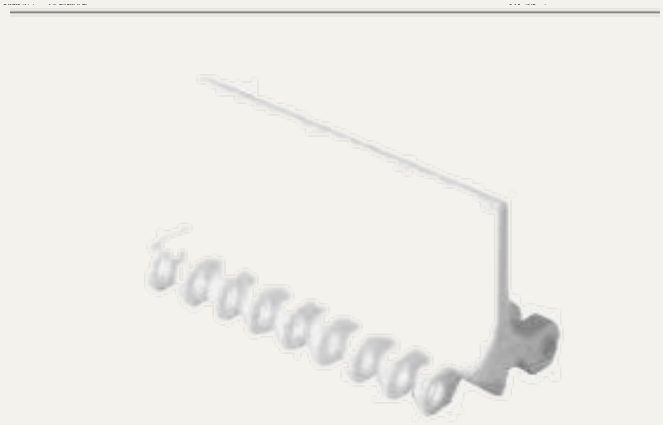
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)						BELT WEIGHT (BELT/PIN MATERIAL)						*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA66		PP-I/PP		PE-I/PE		POM-D/PA66		PP-I/PP		PE-I/PE			**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	KG/M	LB/FT			
151	5.9	861	193	468	105	453	102	1.0	0.71	0.7	0.47	0.7	0.50	2	2	2
302	11.9	1721	387	936	210	906	204	2.1	1.41	1.4	0.93	1.5	0.99	3	3	2
453	17.8	2582	580	1404	316	1359	306	3.1	2.12	2.1	1.40	2.2	1.49	4	4	2
604	23.8	3443	774	1872	421	1812	407	4.2	2.82	2.8	1.87	3.0	1.99	5	5	3
755	29.7	4304	967	2341	526	2265	509	5.2	3.53	3.5	2.33	3.7	2.49	6	6	3
906	35.7	5164	1161	2809	631	2718	611	6.3	4.23	4.2	2.80	4.4	2.98	7	7	4
1057	41.6	6025	1354	3277	737	3171	713	7.3	4.94	4.9	3.27	5.2	3.48	8	8	4
1208	47.6	6886	1548	3745	842	3624	815	8.4	5.64	5.6	3.73	5.9	3.98	9	9	5
1359	53.5	7746	1741	4213	947	4077	917	9.4	6.35	6.3	4.20	6.7	4.48	10	10	5
1510	59.4	8607	1935	4681	1052	4530	1018	10.5	7.05	6.9	4.67	7.4	4.97	11	11	6
1661	65.4	9468	2128	5149	1158	4983	1120	11.5	7.76	7.6	5.13	8.1	5.47	12	12	6
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 151.0 MM (5.94 IN).																
1963	77.3	11189	2515	6085	1368	5889	1324	13.6	9.17	9.0	6.07	9.6	6.46	14	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
The belt width in PP-I is 0.3 % wider than the belt width in the table.
**Max. Load per Drive Sprocket. Belt material: POM-DI with snub roller 1000 N (225 lbf) without snub roller 625 N (140 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
☐ = Single Link

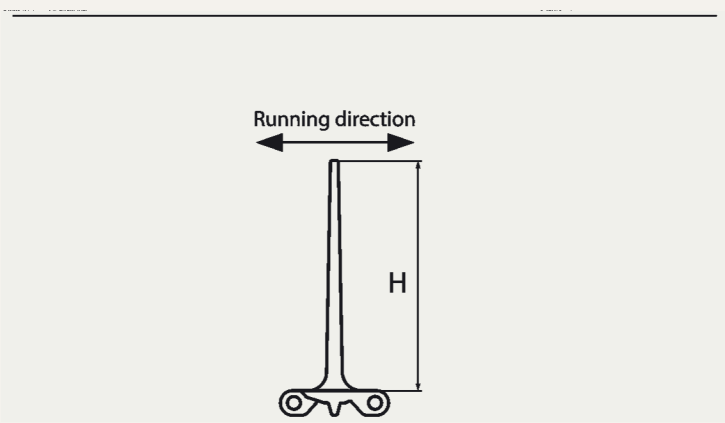
UNI-CHAINS · UNI ULB C

UNI ULB C

ACCESSORIES: FLIGHTS AND SIDE GUARDS



FLAT FLIGHT



FLIGHT HEIGHT H, RUNNING DIRECTION

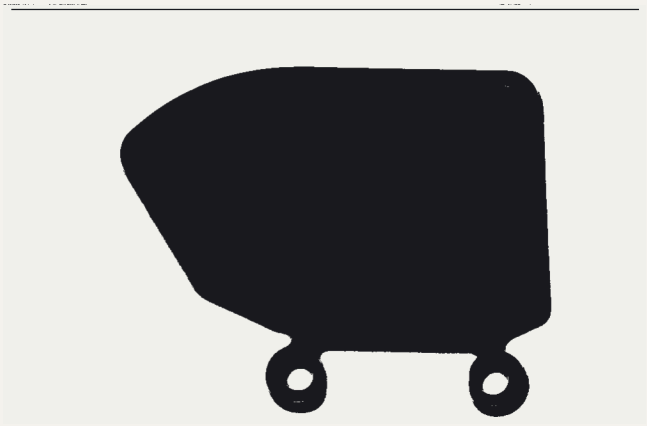
ACCESSORIES - FLIGHT

TYPE	MATERIAL & COLOR	H		LINK SIZE	WIDTH		INDENT BOTH SIDES	
		MM	IN		MM	IN	MM	IN
Flat	PE-I N	5.0	0.20	K600	151.0	5.94	3.0	0.12
Flat	PP-I W / PE-I N	10.0	0.39	K600	151.0	5.94	3.0	0.12
Flat	POM-D W B / PP-I W B / PE-I N B	25.4	1.00	K600	151.0	5.94	0.0	0.0
Flat	POM-D W B / PP-I W B / PE-I N B	50.8	2.00	K600	151.0	5.94	0.0	0.0
Flat	POM-D W B / PP-I W B / PE-I N B	76.2	3.00	K600	151.0	5.94	0.0	0.0
Flat	POM-D W B / PP-I W B / PE-I N B	101.6	4.00	K600	151.0	5.94	0.0	0.0
Flat	POM-D W B / PP-I W B / PE-I N B	101.6	4.00	K600	151.0	5.94	34.0*	1.34
Flat	POM-D W B / PP-I W B / PE-I N B	152.4	6.00	K600	151.0	5.94	0.0	0.00

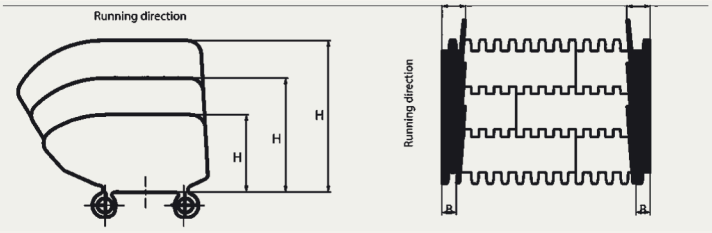
**Indent only in one side.*

Depending on height and spacing the use of product supports may influence the backflex radius.

Other flights are available: see uni MPB Flights datasheet.



CLOSED SIDE GUARD



SIDE GUARD HEIGHT H AND SPACING A, B

ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H		A		B	
		MM	IN	MM	IN	MM	IN
Closed	PE-I B N / PP-I W B	50.8	2.00	32.0	1.26	16.0	0.63
Closed	PE-I B N / PP-I W B	76.2	3.00	32.0	1.26	16.0	0.63
Closed	PE-I B N / PP-I W B	101.6	4.00	32.0	1.26	16.0	0.63

UNI-CHAINS · UNI ULB C

UNI ULB C

ACCESSORIES: BOTTOM HOLD DOWN TAB



BOTTOM HOLD DOWN TAB



TAB DIMENSIONS G, J, K AND H

ACCESSORIES - TAB

TYPE	TAB MATERIAL & COLOR	G		J		K		H	
		MM	IN	MM	IN	MM	IN	MM	IN
Bottom Hold Down	POM-DI W	4.2	0.17	23.2	0.91	17.0	0.67	22.0	0.87

Note: When using tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 63.5 mm (2.50 in). When using square shafts, please verify that the diagonal does not exceed max. diameter. Example: Sprocket z = 6: Max. shaft diameter 101.6 - 63.5 = ø38.1 mm (4.00 - 2.50 = ø1.4 in).
Note: When using a belt system with tabs, the temperature should be constant. Please note that the tabs are not always placed in the middle of the belt.
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI ULB C

UNI ULB C

SPROCKET BORE SIZES AND DIMENSIONS

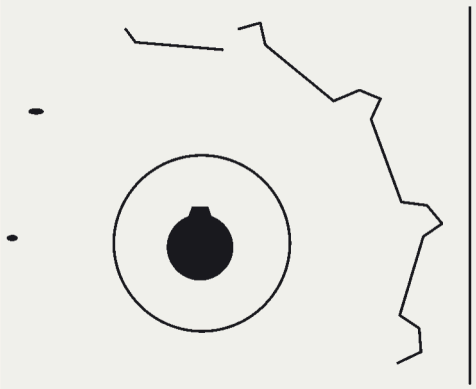
SPROCKET

NO. OF TEETH	BORE SIZE (MM / IN)												OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/ONE WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	19.1 / 0.75	20.0 / 0.78	25.0 / 0.98	25.4 / 1.00	30.0 / 1.18	31.8 / 1.25	38.1 / 1.50	40.0 / 1.57	60.0 / 2.36	63.5 / 2.50	90.0 / 3.54	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			
Z06	x				●	●	●	■	● ■				99.5	3.92	101.6	4.00	65.0	2.56	36.0	1.42	59.3	2.33	x	x	
Z08	x				●	●	●	■	● ■				132.9	5.23	132.8	5.23	65.0	2.56	53.3	2.10	74.9	2.95	x	x	
Z10	x					●	●	● ■	● ■				166.3	6.55	164.4	6.47	65.0	2.56	70.2	2.76	90.7	3.57	x	x	
Z10										■	■		166.3	6.55	164.4	6.47	120.0	4.72	70.2	2.76	90.7	3.57	x	x	
Z12	x					●	●	● ■	● ■	■	■		198.6	7.82	196.3	7.73	120.0	4.72	86.8	3.42	106.6	4.20	x	x	
Z16	x					●	●	● ■	● ■	■	■		263.8	10.39	260.4	10.25	160.0	5.90	119.7	4.71	138.7	5.46		x	

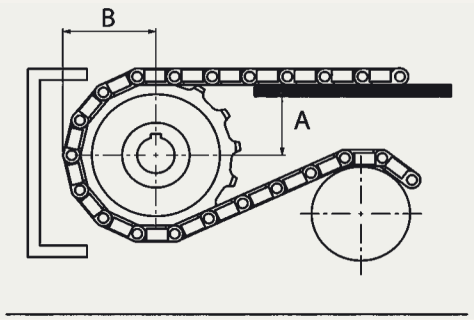
■ = Molded sprocket ● = Molded sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET (SQUARE BORE)



MOLDED SPROCKET (ROUND BORE WITH KEYWAY)



SPROCKET POSITION, DIMENSIONS A AND B

Other sprocket sizes are available upon request.

Two-part sprocket are available upon request.

Round bores are always delivered with keyway.

Other bore sizes are available upon request.

uni Retainer Rings: See uni Retainer Ring data sheet.

Width of sprocket = Single row: 42.3 mm (1.66 in); Double row: 50.0 mm (1.96 in).

Width of tooth = Single row: 9.5 mm (0.37 in); Double row: 17.0 mm (0.66 in).

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni ULB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB

PLASTIC MODULAR BELT

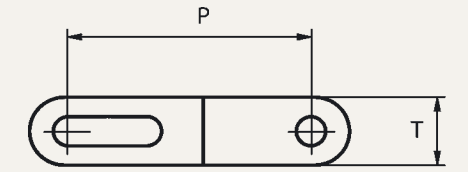
Series: uni Flex L-ASB



50% OPEN RADIUS 1.6



47% OPEN RADIUS 2.2



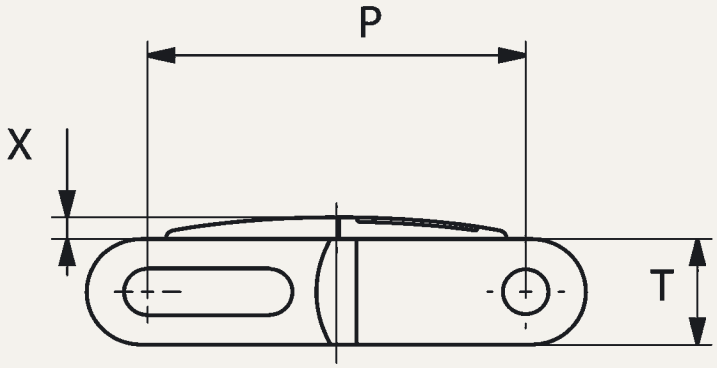
BELT LINK – PITCH P, THICKNESS T

SIDEFLEXING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 47%/50%
- Backflex radius: 100.0 mm (3.94 in)
- Pin diameter: 6 mm (0.24 in)
- Min. inside radius: R1.6 x belt width, R2.2 x belt width



47/50% OPEN RUBBER TOP RADIUS 2.2



RUBBER TOP BELT LINK – PITCH P, X, THICKNESS T

uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)

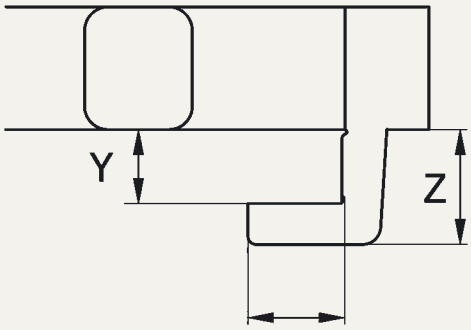
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).

UNI-CHAINS · UNI FLEX L-ASB

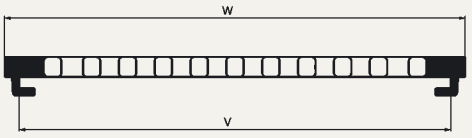
UNI FLEX L-ASB (CONT.)



47% OPEN TAB RADIUS 2.2



TAB DIMENSIONS Y, Z AND S



BELT CROSS SECTION – OVERALL WIDTH W AND V

BELT AND PIN MATERIALS

TYPE	BELT MATERIALS AND COLORS	PIN MATERIALS AND COLORS
47% Open Radius 2.2, 47% Open Tab Radius 2.2, 50% Open Radius 1.6	POM-D B W	PA6.6 B
47% Open Radius 2.2, 47% Open Tab Radius 2.2, 50% Open Radius 1.6	PP B W	PA6.6 B
47% Open Rubber Top Radius 2.2, 47% Open Rubber Top Tab Radius 2.2, 50% Open Rubber Top Radius 1.6	PP B + 03 K	PA6.6 B

DIMENSIONS

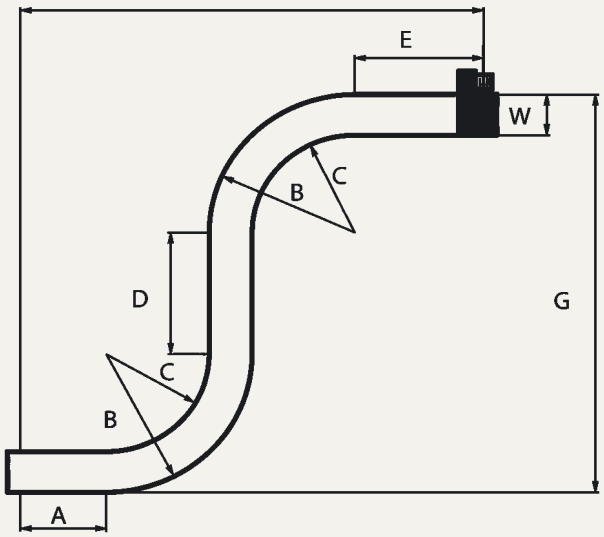
	MM	IN		MM	IN
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials:
Snap Pin A1: PP W PBT LG PA6.6 B
Lockpin: PBT LG

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB



DESIGN GUIDELINES – LAYOUT DIMENSIONS A TO G

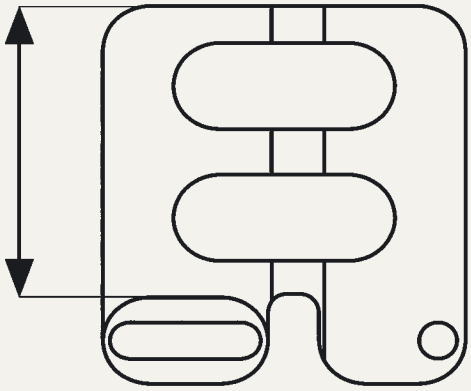
DESIGN GUIDELINES

	47% OPEN RADIUS 2.2 / 47% OPEN RADIUS 2.2	50% OPEN RADIUS 1.6 (INSIDE)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

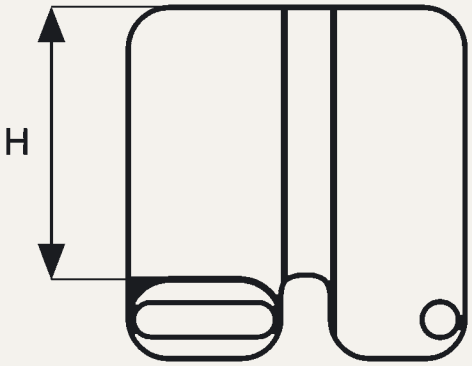
uni Flex L-ASB R1.6 can not be used in S-conveyors.



SIDE GUARD



SIDE GUARD OPEN



SIDE GUARD – HEIGHT H

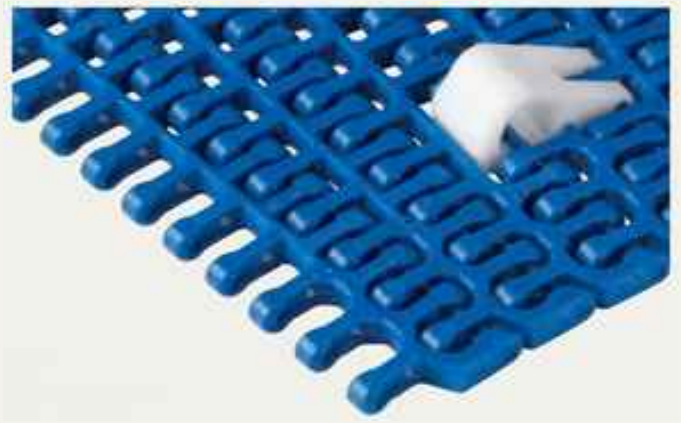
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H	
		MM	IN
Side Guard	POM-D B W	10.0	0.39
Side Guard	POM-D B W	25.4	1.00
Side Guard	POM-D B W	50.0	1.97
Side Guard Open	POM-D B W	50.0	1.97

** Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)*
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB (CONT.)



AMFLIGHT

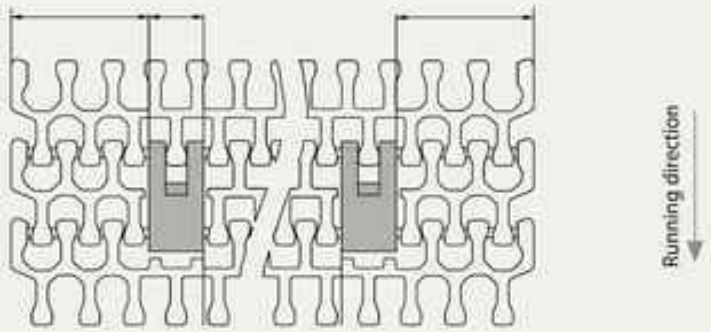


AMFLIGHT – HEIGHTS H, H1 AND H2, RUNNING DIRECTION

ACCESSORIES - AMFLIGHT

TYPE	MATERIAL & COLOR	H	H1		H2	
			MM	IN	MM	IN
AmFlight	PE W	H > H1	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



BELT WIDTH – INDENT A, B AND PI, RUNNING DIRECTION

BELT WIDTH

	MM	IN
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE — IN (MM)											OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 (19.1)	0.79 (20.0)	0.98 (25.0)	1.00 (25.4)	1.18 (30.0)	1.25 (31.8)	1.50 (38.1)	1.57 (40.0)	2.36 (60.0)	2.50 (63.5)	3.54 (90.0)	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z08	x				● ■	●			● ■				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x
Z10	x				● ■	●	●		● ■				168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x
Z12	x				●		●	● ■	● ■		■		203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x
Z15	x				●		●	● ■	● ■		■		253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x

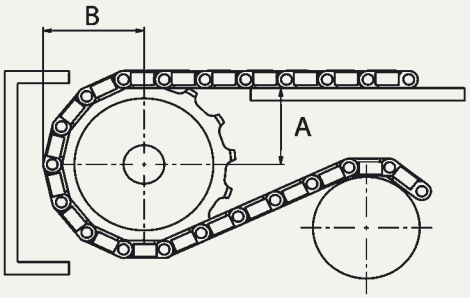
■ *Machined sprocket* ● *Machined sprocket*
Non standard material and color: See uni Material and Color Overview.



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



SPROCKET POSITION – DIMENSIONS A AND B

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Other bore sizes are available upon request
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 15.0 mm (0.59 in)
- Width of sprocket = 30.0 mm (1.18 in)
- Max. load per sprocket shown does not take bore size into account.
- Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

For more detailed sprocket information, contact Customer Service.

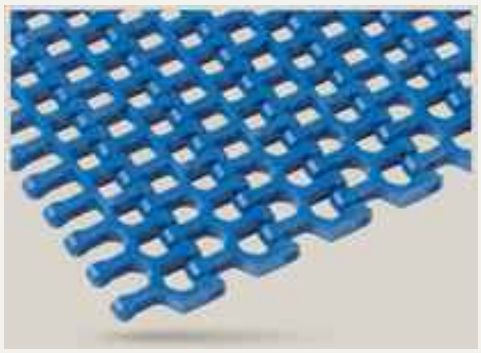
UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB

PLASTIC MODULAR BELT

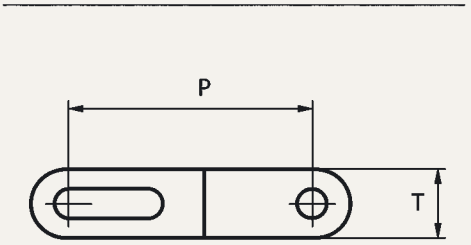
Series: uni Flex L-ASB



50% OPEN RADIUS 1.6



47% OPEN RADIUS 2.2



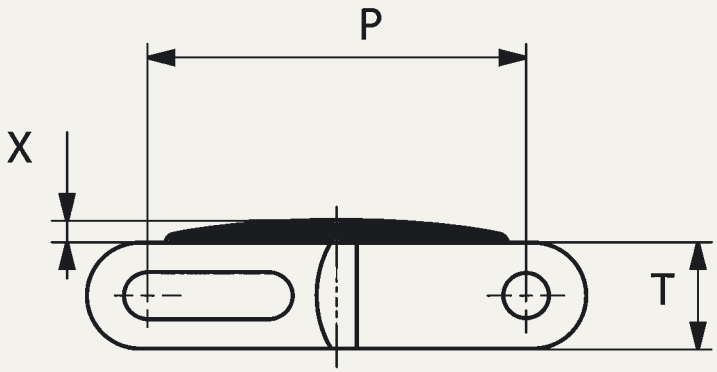
BELT LINK – PITCH P, THICKNESS T

SIDEFLEXING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Flat
- Surface opening: 47%/50%
- Backflex radius: 100.0 mm (3.94 in)
- Pin diameter: 6 mm (0.24 in)
- Min. inside radius: R1.6 x belt width, R2.2 x belt width



47/50% OPEN RUBBER TOP RADIUS 2.2



RUBBER TOP BELT LINK – PITCH P, X, THICKNESS T

uni Flex L-ASB Rubber Top Radius 2.2: Indent min. 71.0 mm (2.80 in) and Increment 25.4 mm (1.00)

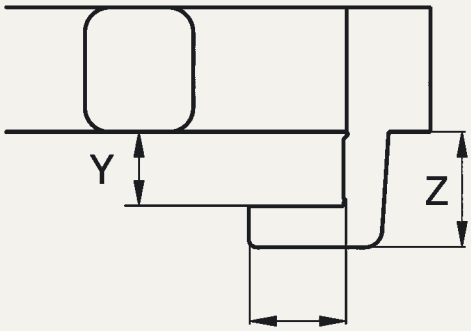
uni Flex L-ASB Rubber Top R1.6: Indent min. 97.0 mm (3.82 in) and Increment 25.4 mm (1.00 in).

UNI-CHAINS · UNI FLEX L-ASB

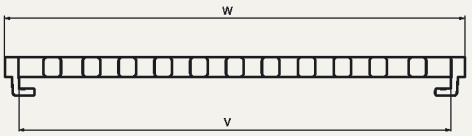
UNI FLEX L-ASB (CONT.)



47% OPEN TAB RADIUS 2.2



TAB DIMENSIONS Y, Z AND S



BELT CROSS SECTION – OVERALL WIDTH W AND V

BELT AND PIN MATERIALS

TYPE	BELT MATERIALS AND COLORS	PIN MATERIALS AND COLORS
47% Open Radius 2.2, 47% Open Tab Radius 2.2, 50% Open Radius 1.6	POM-D B W	PA6.6 B
47% Open Radius 2.2, 47% Open Tab Radius 2.2, 50% Open Radius 1.6	PP B W	PA6.6 B
47% Open Rubber Top Radius 2.2, 47% Open Rubber Top Tab Radius 2.2, 50% Open Rubber Top Radius 1.6	PP B + 03 K	PA6.6 B

DIMENSIONS

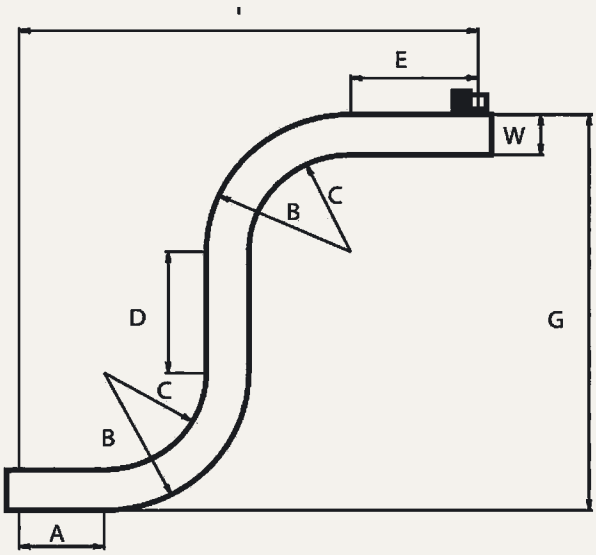
	MM	IN		MM	IN
P (Nominal)	50.8	2.00	W	325.9	12.83
S	11.0	0.43	X	3.0	0.12
T	15.0	0.59	Y	9.0	0.35
V	306.5	12.07	Z	14.0	0.55

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials:
Snap Pin A1: PP W PBT LG PA6.6 B
Lockpin: PBT LG

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB



DESIGN GUIDELINES – CONVEYOR LAYOUT DIMENSIONS A–G AND BELT WIDTH W

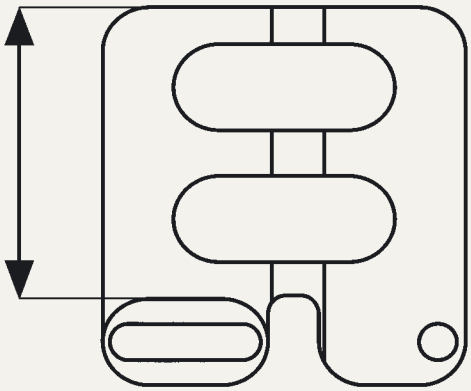
DESIGN GUIDELINES

	47% OPEN RADIUS 2.2 / 47% OPEN RADIUS 2.2	50% OPEN RADIUS 1.6 (INSIDE)
A	min. 1.5 x W	min. 1.5 x W
B	min. 3.2 x W	min. 2.6 x W
C	min. 2.2 x W	min. 1.6 x W
D	min. 2.0 x W	min. 2.0 x W
E	min. 2.0 x W	min. 2.0 x W
F	min. 8.9 x W	min. 7.7 x W
G	min. 8.4 x W	min. 7.2 x W

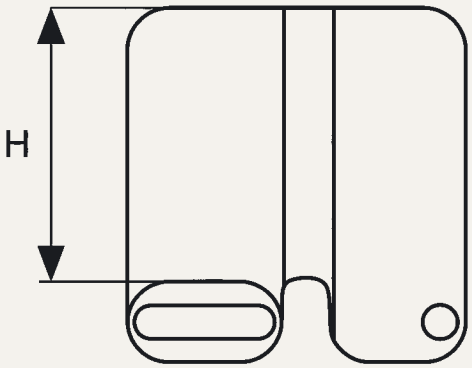
uni Flex L-ASB R1.6 can not be used in S-conveyors.



SIDE GUARD



SIDE GUARD OPEN



SIDE GUARD – HEIGHT H

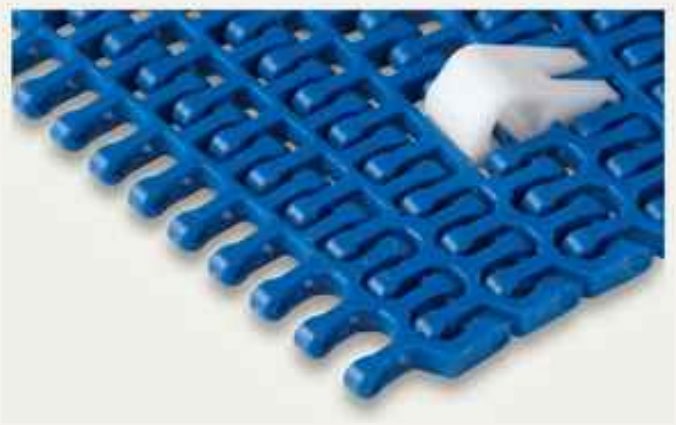
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H	
		MM	IN
Side Guard	POM-D B W	10.0	0.39
Side Guard	POM-D B W	25.4	1.00
Side Guard	POM-D B W	50.0	1.97
Side Guard Open	POM-D B W	50.0	1.97

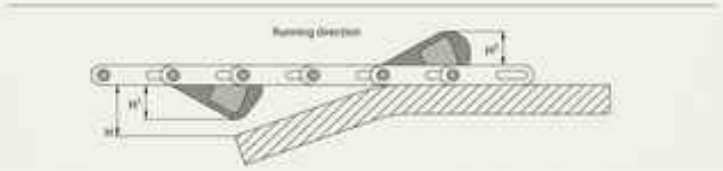
** Min. indent for Side Guard is: 80.0 mm (3.15 in) and Increment 25.4 mm (1.00 in)*
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB (CONT.)



AMFLIGHT

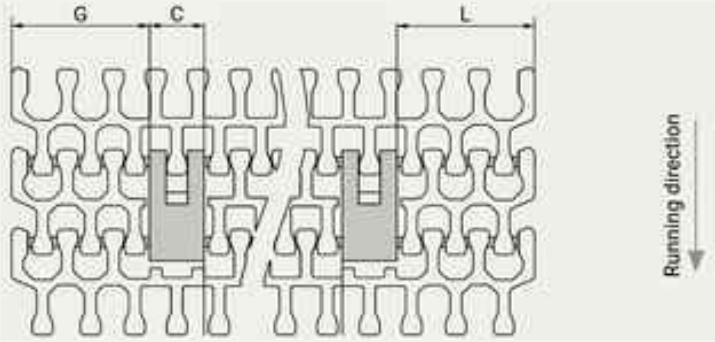


AMFLIGHT HEIGHTS H, H¹ AND H² (RUNNING DIRECTION)

ACCESSORIES - AMFLIGHT

TYPE	MATERIAL & COLOR	H	H¹		H²	
			MM	IN	MM	IN
AmFlight	PE W	H > H¹	25.4	1.00	26.0	1.02

Other Non Standard option: See uni AmFlight Overview.



BELT WIDTH – AMFLIGHT INDENT A, B AND PITCH PI (RUNNING DIRECTION)

AMFLIGHT LAYOUT DIMENSIONS

	MM	IN
A min	83.0	3.27
B	33.0	1.30
PI min	68.5	2.70

Increment: 25.4 mm (1.00 in)

UNI-CHAINS · UNI FLEX L-ASB

UNI FLEX L-ASB

DATASHEET: UNI FLEX L-ASB

SPROCKET

NO. OF TEETH	BORE SIZE												OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
	PILOT BORE	0.75 IN / 19.1 MM	0.79 IN / 20.0 MM	0.98 IN / 25.0 MM	1.00 IN / 25.4 MM	1.18 IN / 30.0 MM	1.25 IN / 31.8 MM	1.50 IN / 38.1 MM	1.57 IN / 40.0 MM	2.36 IN / 60.0 MM	2.50 IN / 63.5 MM	3.54 IN / 90.0 MM	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z08	x				●■	●			●■				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x
Z10	x				●■	●	●		●■				168.3	6.63	164.0	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x
Z12	x				●		●	●■	●■		■		203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x
Z15	x				●		●	●■	●■		■		253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x

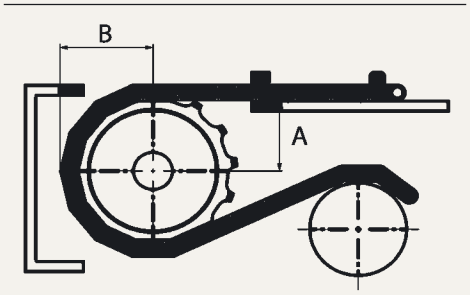
■ *Machined sprocket* ● *Machined sprocket (legend as printed).*
Non standard material and color: See uni Material and Color Overview.



MACHINED SPROCKET – SQUARE BORE



MACHINED SPROCKET – ROUND BORE



SPROCKET POSITION – DIMENSIONS A AND B

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Other bore sizes are available upon request
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 15.0 mm (0.59 in)
- Width of sprocket = 30.0 mm (1.18 in)
- Max. load per sprocket shown does not take bore size into account.
- Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-ASB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI FLEX ONE

UNI FLEX ONE

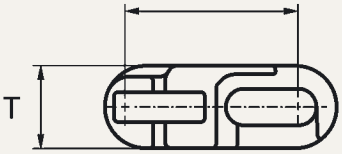
DATASHEET: UNI FLEX ONE

PLASTIC MODULAR BELT

Series: **uni Flex ONE**



UNI FLEX ONE EWC R1.6 – SURFACE OPENING: 15%

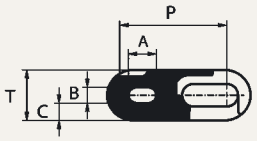


EWC LINK – PITCH P AND THICKNESS T

- Sideflexing belt
- Nominal pitch: 38.1 mm (1.50 in)
- Surface type: Flat
- Surface opening: 15%
- Backflex radius: 50.0 mm (1.97 in)
- Min. inside radius R1.6 x belt width



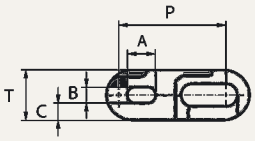
UNI FLEX ONE O R1.6 – SURFACE OPENING: 15%



O LINK – DIMENSIONS P, A, B, C AND T



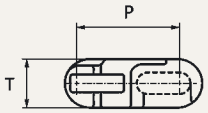
UNI FLEX ONE EO R1.6 – SURFACE OPENING: 15%



EO LINK – DIMENSIONS P, A, B, C AND T



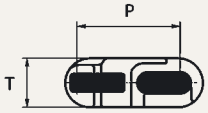
UNI FLEX ONE EW R1.6 – SURFACE OPENING: 15%



EW LINK – PITCH P AND THICKNESS T



UNI FLEX ONE ER R1.6 – SURFACE OPENING: 15%

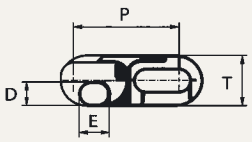


ER LINK – PITCH P AND THICKNESS T

uni Flex ONE ER is not available for use in North America.



UNI FLEX ONE EOO R1.6 – SURFACE OPENING: 15%



EOO LINK – DIMENSIONS P, D, E AND T

BELT DIMENSIONS

	MM	IN
P (Nominal)	38.1	1.50
A	10.0	0.39
B	5.9	0.23
C	6.6	0.26
D	9.0	0.35
E	11.0	0.43
T	19.1	0.75

**uni-chains reccomends this travel direction. However travel in both directions is possible.*

MATERIAL & COLOR

	MATERIAL & COLOR
Belt material & color	POM-SX W B **
O-Tab, Wearpart material & color	POM DK O
EWC Wearpart material & color	K750: POM DK Y K1200, K1500, K1800: POM DK O

UNI-CHAINS · UNI FLEX ONE

UNI FLEX ONE

DATASHEET: UNI FLEX ONE

BELT DATA

BELT WIDTH			TYPE	PERMISSIBLE TENSILE FORCE – BELT/PIN MATERIAL POM-SX				BELT WEIGHT – BELT MATERIAL POM-SX		*RECOMMENDED NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN NO.)	
SIZE	MM	IN		STRAIGHT SECTIONS (N)	STRAIGHT SECTIONS (LBF)	CURVE SECTIONS (N)	CURVE SECTIONS (LBF)	KG/M	LB/FT		**CARRY (PCS)	**RETURN (PCS)
K750	190.5	7.5	O	2400	540	2000	450	2.5	1.68	2	2	2
K750	190.5	7.5	EW	2400	540	2000	450	2.4	1.61	2	2	2
K750	190.5	7.5	EO/EOO	2400	540	2000	450	2.5	1.68	2	2	2
K750	190.5	7.5	ER	2400	540	2000	450	2.6	1.75	2	2	2
K750	190.5	7.5	EWC	2400	540	2000	450	2.7	1.81	2	2	2
K1200	304.8	12.0	O	4000	899	3400	764	4.0	2.69	4	3	2
K1200	304.8	12.0	EW	4000	899	3400	764	3.9	2.62	4	3	2
K1200	304.8	12.0	EO/EOO	4000	899	3400	764	4.0	2.69	4	3	2
K1200	304.8	12.0	ER	4000	899	3400	764	4.1	2.76	4	3	2
K1200	304.8	12.0	EWC	4000	899	3400	764	4.2	2.82	4	3	2
K1500	381.0	15.0	O	6400	1439	3500	787	4.9	3.29	6	3	2
K1500	381.0	15.0	EW	6400	1439	3500	787	4.9	3.29	6	3	2
K1500	381.0	15.0	EO/EOO	6400	1439	3500	787	4.9	3.29	6	3	2
K1500	381.0	15.0	ER	6400	1439	3500	787	5.0	3.36	6	3	2
K1500	381.0	15.0	EWC	6400	1439	3500	787	5.1	3.43	6	3	2
K1800	457.2	18.0	O	8200	1843	3600	809	6.1	4.10	6	4	2
K1800	457.2	18.0	EW	8200	1843	3600	809	6.1	4.10	6	4	2
K1800	457.2	18.0	EO/EOO	8200	1843	3600	809	6.1	4.10	6	4	2
K1800	457.2	18.0	ER	8200	1843	3600	809	6.2	4.17	6	4	2
K1800	457.2	18.0	EWC	8200	1843	3600	809	6.2	4.17	6	4	2
K2400	609.6	24.0	O	12000	2698	3800	854	7.9	5.31	6	5	3
K2400	609.6	24.0	EW	12000	2698	3800	854	7.8	5.24	6	5	3
K2400	609.6	24.0	EO/EOO	12000	2698	3800	854	7.8	5.24	6	5	3
K2400	609.6	24.0	ER	12000	2698	3800	854	7.9	5.31	6	5	3
K2400	609.6	24.0	EWC	12000	2698	3800	854	8.1	5.44	6	5	3

General belt tolerance is +0/-0.4% at 23°C/73°F.
**Max. Load per Drive Sprocket. Belt material: POM-SX 2500 N (562 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*

DESIGN GUIDE LINES

uni Flex One EWC



UNI FLEX ONE EWC BELT ON WEAR STRIPS



WEAR STRIP LAYOUT IN CURVE – DIMENSIONS A, B AND C

DESIGN GUIDE LINES - UNI FLEX ONE EWC

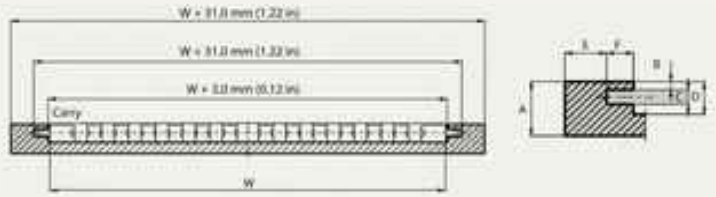
	MM	IN
A	min ø30	min ø1¼
B	A + min 12	A + min ½
C	100-150	4-6

UNI-CHAINS · UNI FLEX ONE

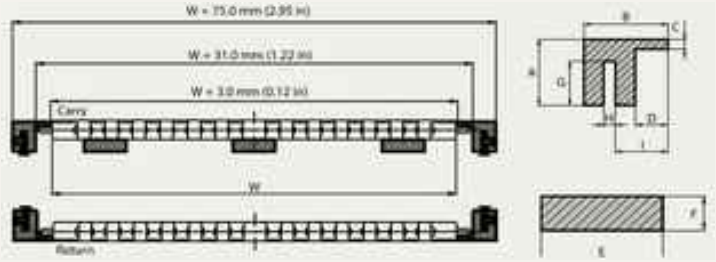
UNI FLEX ONE

DATASHEET: UNI FLEX ONE

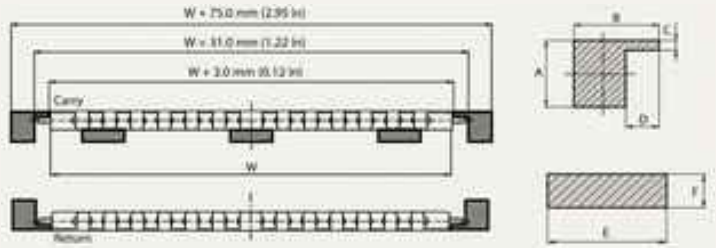
PROFILES FOR UNI FLEX ONE O/EO



COMPACT PROFILE CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; PROFILE CROSS-SECTION WITH DIMENSIONS A–F



SLOTTED WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–I



SOLID WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–F

COMPACT PROFILE CONFIGURATION

	MM	IN
A	30.0	1.18
B	4.5	0.18
C	8.0	0.31
D	18.0	0.71
E	22.0	0.87
F	14.0	0.55

SLOTTED WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

SOLID WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	36.0	1.42
C	4.5	0.18
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

UNI FLEX ONE O

Using the uni Flex ONE with O-Tab and a slotted wearstrip, the O-Tab will allow the transported products to be wider than the belt. O-Tabs are molded into the belt to ensure cleanability and are preferred for direct food contact.

UNI FLEX ONE EO (EXCHANGEABLE O-TAB)

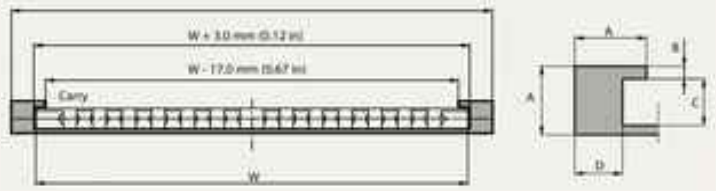
Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

UNI-CHAINS · UNI FLEX ONE

UNI FLEX ONE

DATASHEET: UNI FLEX ONE

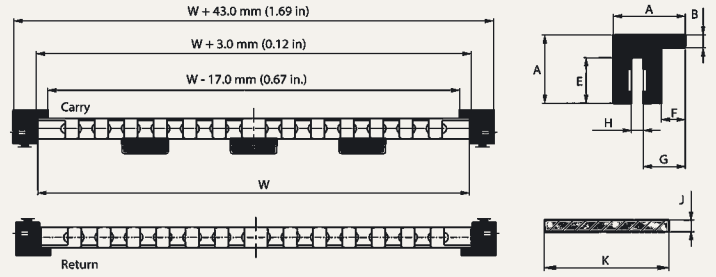
PROFILES FOR UNI FLEX ONE EW/ER



COMPACT PROFILE CONFIGURATION – CARRY AND RETURN SIDE; W + 43 MM (1.69 IN), W + 3.0 MM (0.12 IN), W - 17.0 MM (0.67 IN), BELT WIDTH W; PROFILE CROSS-SECTION WITH DIMENSIONS A–D

COMPACT PROFILE CONFIGURATION

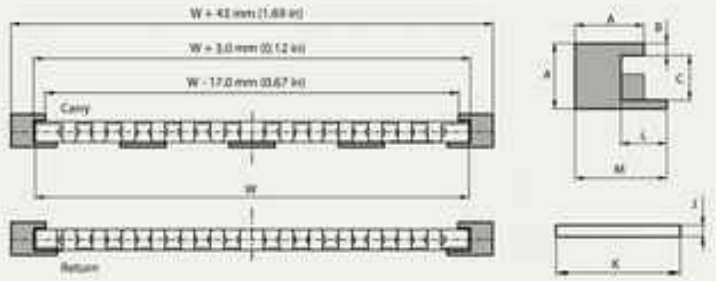
	MM	IN
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
D	20.0	0.79



SLOTTED WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 43.0 MM (1.69 IN), W + 3.0 MM (0.12 IN), W - 17.0 MM (0.67 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–K

SLOTTED WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	5.5	0.22
E	20.0	0.79
F	10.0	0.39
G	17.5	0.69
H	5.0	0.20
J	4.0	0.16
K	40.0	1.57



SOLID WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 43 MM (1.69 IN), W + 3.0 MM (0.12 IN), W - 17.0 MM (0.67 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–M

SOLID WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	5.5	0.22
C	20.5	0.81
J	4.0	0.16
K	40.0	1.57
L	20.0	0.79
M	40.0	1.57

UNI FLEX ONE EW (EXCHANGEABLE WEARPART)

Exchangeable Wearpart system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. This Wearpart can easily be replaced. Resists high curve load at increased speed.

UNI FLEX ONE ER (EXCHANGEABLE EDGE ROLLER)

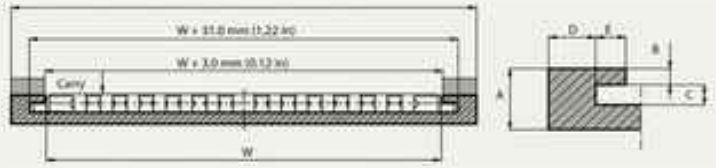
uni Flex ONE with Exchangeable Edge Rollers reduces friction in curves to a minimum making it very suitable for applications with many curves e.g. static spirals (non rotating drum) or high speed sideflexing conveyors.

UNI-CHAINS · UNI FLEX ONE

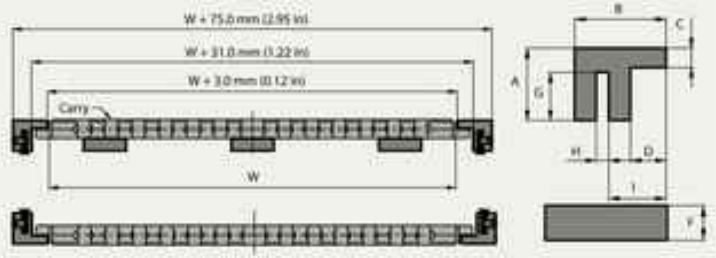
UNI FLEX ONE

DATASHEET: UNI FLEX ONE

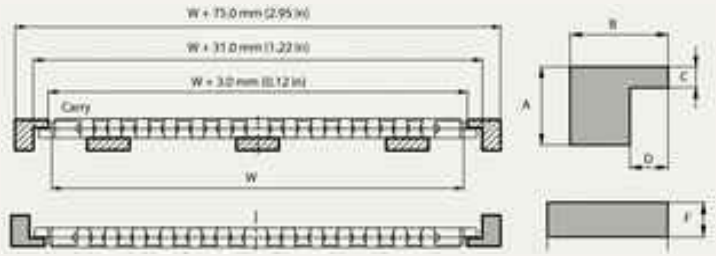
PROFILES FOR UNI FLEX ONE E00



COMPACT PROFILE CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; PROFILE CROSS-SECTION WITH DIMENSIONS A–E



SLOTTED WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–I



SOLID WEARSTRIP CONFIGURATION – CARRY AND RETURN SIDE; W + 75.0 MM (2.95 IN), W + 31.0 MM (1.22 IN), W + 3.0 MM (0.12 IN), BELT WIDTH W; WEARSTRIP CROSS-SECTIONS WITH DIMENSIONS A–F

COMPACT PROFILE CONFIGURATION

	MM	IN
A	30.0	1.18
B	8.0	0.31
C	10.0	0.39
D	22.0	0.87
E	14.0	0.55

SLOTTED WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47
G	20.0	0.79
H	5.0	0.20
I	22.5	0.89

SOLID WEARSTRIP CONFIGURATION

	MM	IN
A	30.0	1.18
B	36.0	1.42
C	8.0	0.31
D	14.0	0.55
E	40.0	1.57
F	12.0	0.47

UNI FLEX ONE E00 (EXCHANGEABLE OFFSET O-TAB)

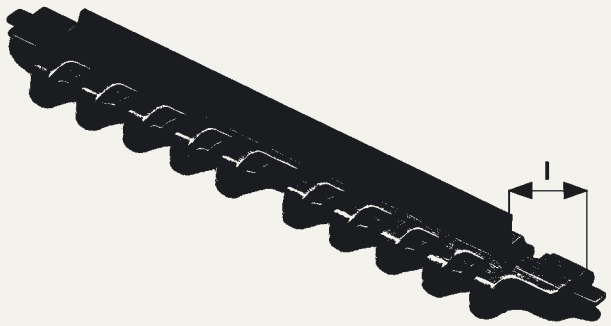
Exchangeable O-Tab system is made of heat and wear resistant material to improve performance between the belt edge and the wearstrip. Using a slotted wearstrip the exchangeable O-Tab will track the belt and allow the transported products to be wider than the belt. Resists high curve load at increased speed.

UNI-CHAINS · UNI FLEX ONE

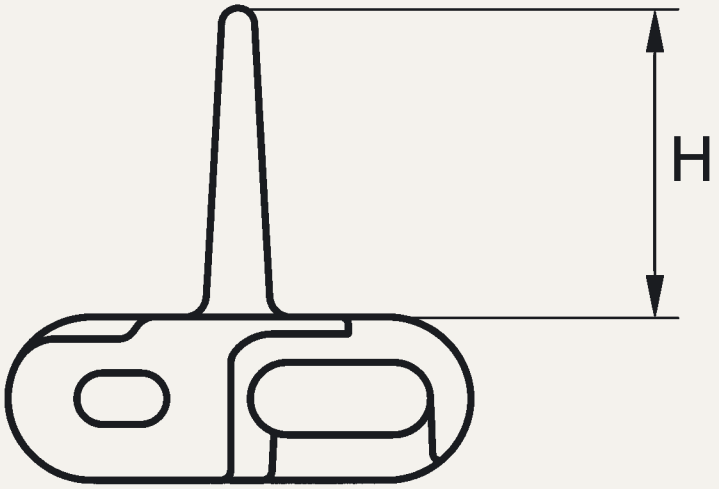
UNI FLEX ONE

DATASHEET: UNI FLEX ONE

ACCESSORIES - FLIGHT



FLIGHT, SHOWING INDENT I (PHOTO WILL BE UPDATED)



FLIGHT CROSS-SECTION WITH HEIGHT H

FLIGHT

TYPE	STANDARD BELT MATERIAL & COLOR	HEIGHT (H)		INDENT (I)		LINK SIZE	WIDTH	
		MM	IN	MM	IN		MM	IN
Flight	POM-SX W B *	25.4	1.00	32.0	1.26	K1200	304.8	12.0

** Please note that uni Flex ONE in POM-SX blue is not according to the standard color quality for blue. Small variations may occur.*
Non Standard material and color: See uni Material and Color Overview.

ACCESSORIES - IDLER



IDLER (PHOTO WILL BE UPDATED)

IDLER

TYPE	STANDARD MATERIAL & COLOR	NO. OF TEETH	DIAMETER IDLER	
			MM	IN
Idler	POM-D N	8	72.9	2.87
		9	85.6	3.37
		11	110.7	4.36
		12	123.1	4.85
		13	135.5	5.33
		16	172.4	6.79

Thickness of idler: 20.0 mm (0.79 in).
Recommended for use at idler end to ensure smooth and low noise operation.
Non Standard material and color: See uni Material and Color Overview.

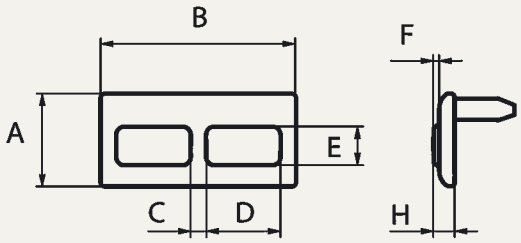
ACCESSORIES - CLIP ON RUBBER FLAT

UNI-CHAINS · UNI FLEX ONE

UNI FLEX ONE (CONT.)



CLIP ON RUBBER FLAT

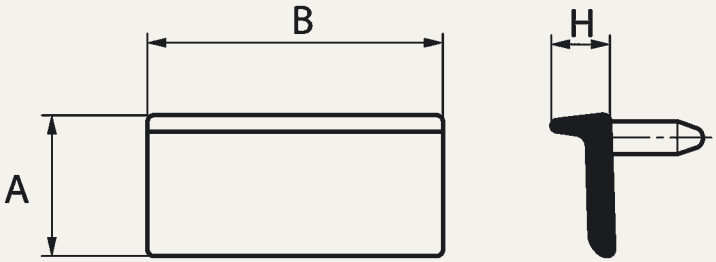


CLIP ON RUBBER FLAT – DIMENSIONS A, B, C, D, E, F, H

ACCESSORIES - CLIP ON FLIGHT



CLIP ON FLIGHT



CLIP ON FLIGHT – DIMENSIONS A, B, H

CLIP ON RUBBER FLAT & CLIP ON FLIGHT - DIMENSIONS

	MM	IN
A	25.0	0.98
B	50.0	1.97
C	4.0	0.16
D	19.0	0.75
E	10.5	0.41
F	1.5	0.06

CLIP ON RUBBER FLAT & CLIP ON FLIGHT

TYPE	HEIGHT (H)		STANDARD MATERIALS & COLORS
	MM	IN	
uni Flex ONE Clip On Rubber Flat	5.5	0.22	POM-D O + Rubber 01 K
uni Flex ONE Clip On Flight	10.0	0.39	POM-D O

UNI-CHAINS · UNI FLEX ONE

UNI FLEX ONE

DATASHEET: UNI FLEX ONE

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z08	x				■	● ■	●	●		●				99.9	3.93	101.0	3.98	60.0	2.36	36.5	1.44	59.0	2.32	x		x	
Z09	x					●	●	●		●				111.4	4.39	113.7	4.48	70.0	2.76	42.8	1.69	64.9	2.56	x		x	
Z09									■	■				111.4	4.39	113.7	4.48	74.0	2.91	42.8	1.69	64.9	2.56	x		x	
Z11	x					●	●	●						135.2	5.32	138.8	5.46	70.0	2.76	55.4	2.18	76.9	3.03	x		x	
Z11									■	■				135.2	5.32	138.8	5.46	74.0	2.91	55.4	2.18	76.9	3.03	x		x	
Z12	x						●	●	●	●				147.2	5.80	151.2	5.95	70.0	2.76	61.6	2.43	82.9	3.26	x		x	
Z12									■	■				147.2	5.80	151.2	5.95	74.0	2.91	61.6	2.43	82.9	3.26	x		x	
Z13	x						●	●	●	●				159.2	6.27	163.6	6.44	70.0	2.76	67.8	2.67	88.9	3.50	x		x	
Z13									■	■				159.2	6.27	163.6	6.44	74.0	2.91	67.8	2.67	88.9	3.50	x		x	
Z16	x						●	●	●	●				195.3	7.69	200.5	7.89	70.0	2.76	86.3	3.40	107.0	4.21	x		x	
Z16									■	■				195.3	7.69	200.5	7.89	74.0	2.91	86.3	3.40	107.0	4.21	x		x	

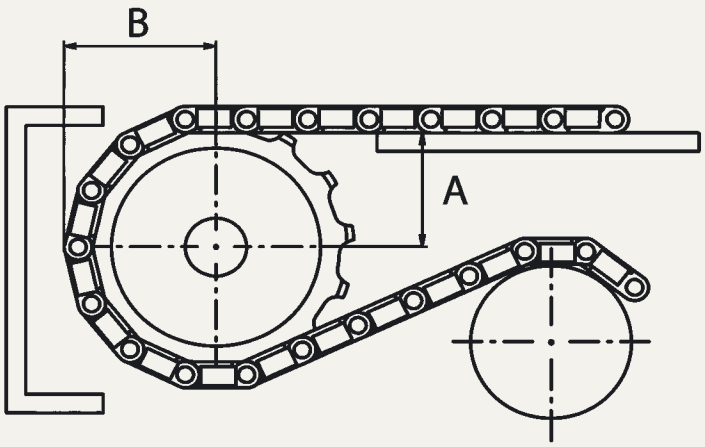
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET POSITION – DIMENSIONS A AND B

Other sprocket sizes are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 9.0 mm (0.35 in)

Width of sprocket = 39.0 mm (1.54 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ONE.

For more detailed sprocket information, contact Customer Service.

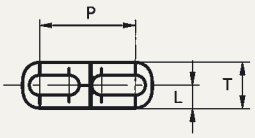
UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB



UNI FLEX SNB CR R1.6 – SURFACE OPENING: 47%



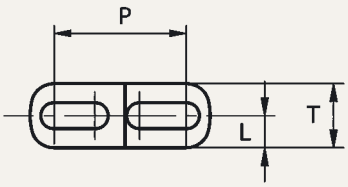
LINK CROSS-SECTION: P, L, T

PLASTIC MODULAR BELT - SERIES UNI FLEX SNB

- Sideflexing belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 47%/55%
- Backflex radius: 25.0 mm (0.98 in)
- Pin diameter: 5.0 mm (0.20 in)
- Min. inside radius: R 1.6 x belt width, R 2.3 x belt width



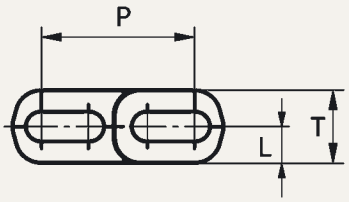
UNI FLEX SNB C R2.3 – SURFACE OPENING: 47%



LINK CROSS-SECTION: P, L, T



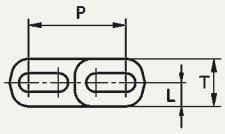
UNI FLEX SNB L R2.3 – SURFACE OPENING: 55%



LINK CROSS-SECTION: P, L, T



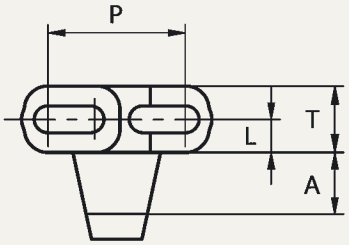
UNI FLEX SNB W R2.3 – SURFACE OPENING: 55%



LINK CROSS-SECTION: P, L, T



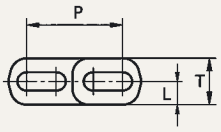
UNI FLEX SNB WT R2.3 – SURFACE OPENING: 55%



LINK CROSS-SECTION: P, L, T AND A



UNI FLEX SNB WO R2.3 – SURFACE OPENING: 55%



LINK CROSS-SECTION: P, L, T

DIMENSIONS

	MM	IN
P (Nominal)	25.4	1.00
A	12.0	0.47
L	6.5	0.26
T	13.0	0.51

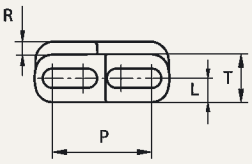
UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB



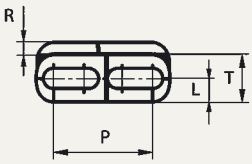
UNI FLEX SNB CR RUBBER TOP R1.6 – SURFACE OPENING: 47%



LINK CROSS-SECTION: P, L, T, R



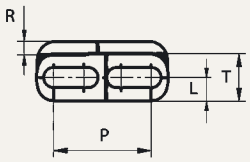
UNI FLEX SNB CI RUBBER TOP R2.3 – SURFACE OPENING: 47%



LINK CROSS-SECTION: P, L, T, R



UNI FLEX SNB C RUBBER TOP R2.3 – SURFACE OPENING: 47%



LINK CROSS-SECTION: P, L, T, R

DIMENSIONS

	MM	IN
P (Nominal)	25.4	1.00
L	6.5	0.26
R	3.0	0.12
T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

MATERIALS AND COLORS

TYPE	BELT MATERIALS AND COLORS	PIN MATERIALS AND COLORS
uni Flex SNB CR R1.6 **uni Flex SNB C R2.3** **uni Flex SNB L R2.3***	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	PBT LG
uni Flex SNB W	PP B W	SS304
uni Flex SNB WO	PA6.6 B W	SS304
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 **uni Flex SNB CI Rubber Top R2.3** **uni Flex SNB CI Rubber Top R2.3**	PP B W + 03 K PP B W + 03 N	PBT LG

STANDARD MATERIALS AND COLORS

Lockingplates: PP W B

Wearpart and O-Tab: PA6.6 W B

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK N

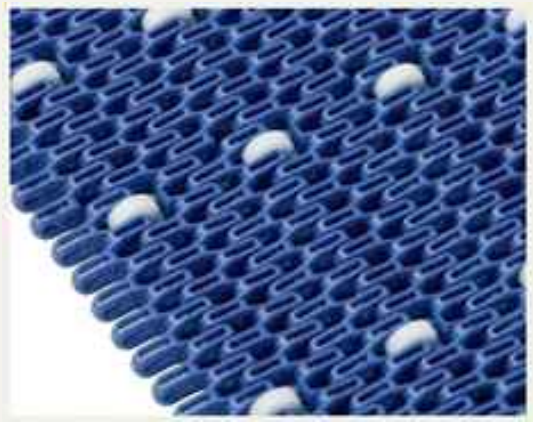
Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 B N

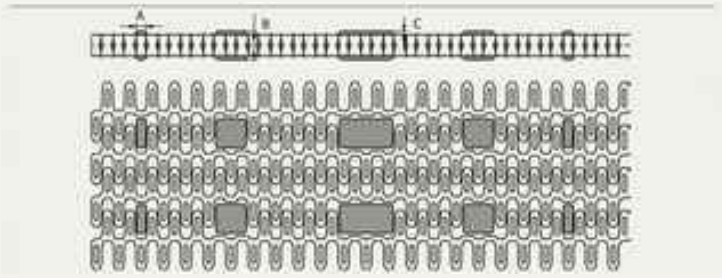
UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB



UNI FLEX SNB WITH ROLLERS – Ø17 X 5.5 MM (Ø0.67 X 0.22 IN)



ROLLER POSITIONS A, B AND C

MADE-TO-ORDER SELECTION

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.

Non standard Roller material and color: See uni Material and Color verview.

UNI FLEX SNB WITH ROLLERS

TYPE	ROLLER MATERIAL & COLOR	A		B		C	
		MM	IN	MM	IN	MM	IN
Plastic	POM-D W	5.5 17.0 30.0	0.22 0.67 1.18	17.0	0.67	2.0	0.08

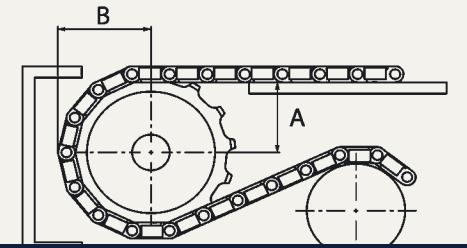
SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z09	x				■	●■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x	
Z10	x				■	●■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x	
Z12	x					●	●	●	■	●■				98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x	
Z15	x					●	●	●	■	●■				123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x	
Z18	x						●	●	●■	●■				148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x	
Z19	x						●	●	●■	●■				156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x	

■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.







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UNI FLEX SNB

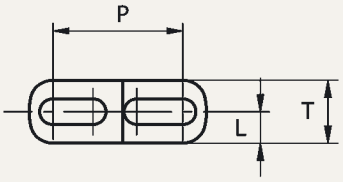
DATASHEET: UNI FLEX SNB

PLASTIC MODULAR BELT - SERIES UNI FLEX SNB

- Sideflexing belt
- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Flat
- Surface opening: 47%/55%
- Backflex radius: 25.0 mm (0.98 in)
- Pin diameter: 5.0 mm (0.20 in)
- Min. inside radius: R 1.6 x belt width, R 2.3 x belt width



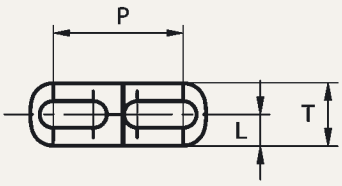
UNI FLEX SNB CR R1.6 – SURFACE OPENING: 47%



UNI FLEX SNB CR R1.6 – LINK DIMENSIONS P, L, T



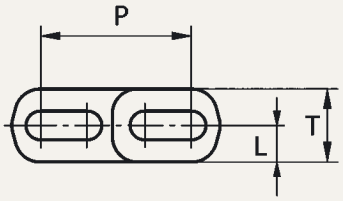
UNI FLEX SNB C R2.3 – SURFACE OPENING: 47%



UNI FLEX SNB C R2.3 – LINK DIMENSIONS P, L, T



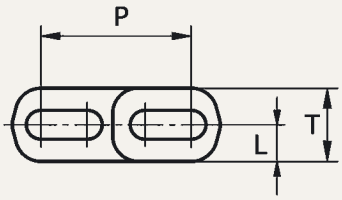
UNI FLEX SNB L R2.3 – SURFACE OPENING: 55%



UNI FLEX SNB L R2.3 – LINK DIMENSIONS P, L, T



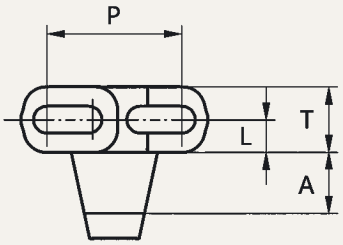
UNI FLEX SNB W R2.3 – SURFACE OPENING: 55%



UNI FLEX SNB W R2.3 – LINK DIMENSIONS P, L, T



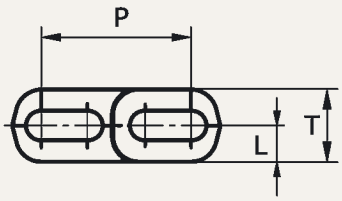
UNI FLEX SNB WT R2.3 – SURFACE OPENING: 55%



UNI FLEX SNB WT R2.3 – LINK DIMENSIONS P, L, T, A



UNI FLEX SNB WO R2.3 – SURFACE OPENING: 55%



UNI FLEX SNB WO R2.3 – LINK DIMENSIONS P, L, T

BELT DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	L	6.5	0.26
A	12.0	0.47	T	13.0	0.51

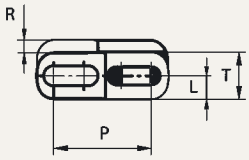
UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB



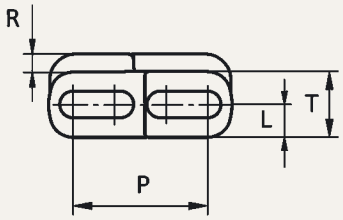
UNI FLEX SNB CR RUBBER TOP R1.6 – SURFACE OPENING: 47%



UNI FLEX SNB CR RUBBER TOP R1.6 – LINK DIMENSIONS P, L, T, R



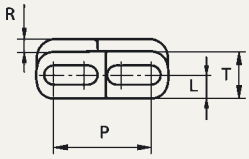
UNI FLEX SNB CI RUBBER TOP R2.3 – SURFACE OPENING: 47%



UNI FLEX SNB CI RUBBER TOP R2.3 – LINK DIMENSIONS P, L, T, R



UNI FLEX SNB C RUBBER TOP R2.3 – SURFACE OPENING: 47%



UNI FLEX SNB C RUBBER TOP R2.3 – LINK DIMENSIONS P, L, T, R

BELT DIMENSIONS - RUBBER TOP

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	R	3.0	0.12
L	6.5	0.26	T	13.0	0.51

Indent uni Flex SNB CR Rubber Top R1.6 is 26.5 mm (1.04 in). uni Flex SNB CI Rubber Top R2.3 is 7.0 mm (0.28 in). uni Flex SNB C Rubber Top R2.3 is available without indent.

BELT AND PIN MATERIALS AND COLORS

TYPE	BELT MATERIALS AND COLORS	PIN MATERIALS AND COLORS
uni Flex SNB CR R1.6 **uni Flex SNB C R2.3** **uni Flex SNB L R2.3***	POM-D B W PP B W PA6.6 B W	PBT LG
uni Flex SNB C R2.3	POM-D B W	
uni Flex SNB W	PP B W	SS304
uni Flex SNB WO	PA6.6 B W	
uni Flex SNB WT	PA6.6 B W	SS304 PBT LG
uni Flex SNB CR Rubber Top R1.6 **uni Flex SNB CI Rubber Top R2.3** **uni Flex SNB CI Rubber Top R2.3**	PP B W + 03 K PP B W + 03 N	PBT LG

STANDARD MATERIALS AND COLORS

Lockingplates: PP W B

Wearpart and O-Tab: PA6.6 W B

For high speed or load abrasive applications:

Wearpart and O-Tab POM-DK N

Non standard material and color: See uni Material and Color Overview.

Alternative pin materials: PA6.6 B N

UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB

BELT TRACKING OG CONTROL SYSTEMS

Basic belt types can be combined with the belt tracking and control systems below to enhance performance. Basic belt types can be combined with the belt tracking and control systems below to enhance performance.



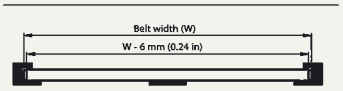
UNI FLEX SNB L R2.3 – STANDARD



STANDARD – BELT WIDTH (W)



WEARPART



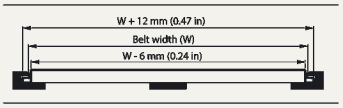
WEARPART – BELT WIDTH (W), W - 6 MM (0.24 IN)

WEARPART

Wearpart system made of heat and wear resistant nylon to reduce the friction between belt edge and wearstrip. Only this part needs to be replaced when it has been worn out, not the entire belt.



O-TAB



O-TAB – W + 12 MM (0.47 IN), BELT WIDTH (W), W - 6 MM (0.24 IN)

O-TAB

Outer edge tab system made of heat and wear resistant nylon to reduce the friction between belt edge and wear strip. Using a slotted wear-strip, the O-Tab will track the belt and allow the conveyed products to be wider than the belt.

Height of O-Tab: 6.4 mm (0.25 in)
Height of slot: 8.0 mm (0.31 in)



I-TAB



I-TAB ON THE BELT BOTTOM SIDE

I-TAB

Intermediate tabs (I-Tab) are placed on the bottom side of the belt to hold it down on incline conveyors. The intermediate tabs will fit anywhere across the belt bottom and at pitch multiples of 12.7 mm (0.50 in).



S-TAB



S-TAB – BELT WIDTH (W), W - 68 MM (2.68 IN), R, REINFORCEMENT LINK

S-TAB

Side tab (S-Tab) for holding the belt down. Normally used for wide belts. With S-Tabs, Ammerral Beltech modular A/S recommend that the radial forces in the curve are transferred by the inside edge of the belt – similar to uni Flex SNB L and uni Flex SNB W.

R = 34.0 mm (1.34 in).

When using S-Tabs, please verify sufficient clearance to the shaft. Max. shaft diameter = Sprocket pitch diameter - 50.8 mm (2.00 in).

When using square shafts, please verify that the diagonal does not exceed max. diameter.

Example: Sprocket z = 10: Max. shaft diameter 82.3 – 50.8 = ø31 mm (2.24

BELT TRACKING AND CONTROL COMBINATION

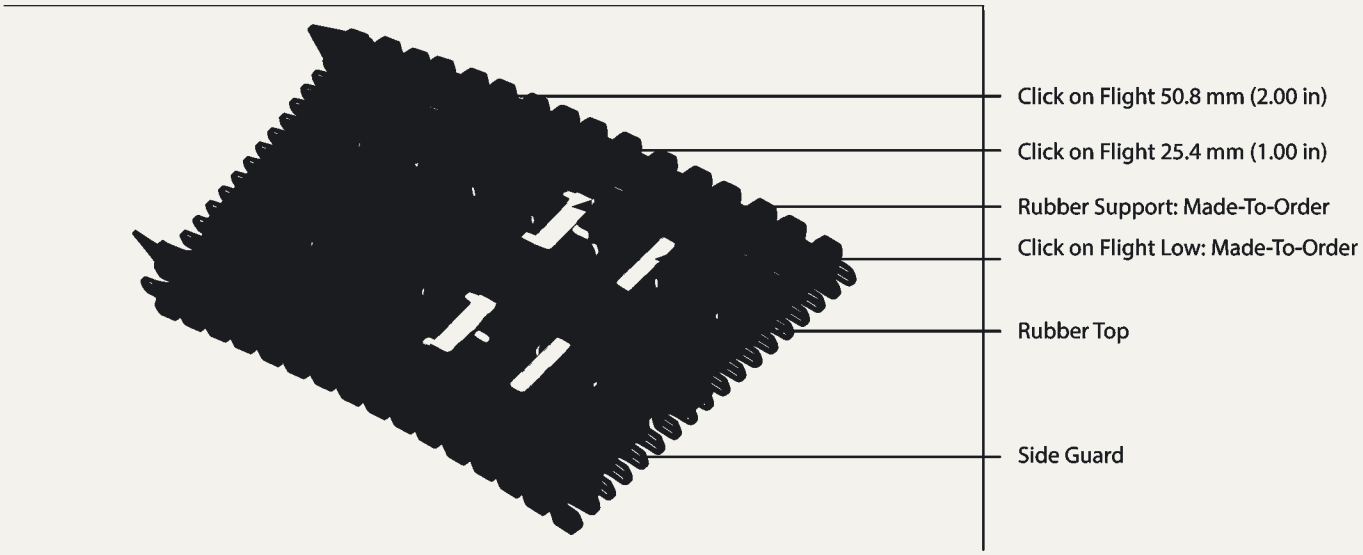
TYPE	BELT TRACKING AND CONTROL COMBINATION			
	WEARPART	O-TAB	S-TAB	I-TAB
uni Flex SNB L R2.3	+	+	-	+
uni Flex SNB C R1.6 uni Flex SNB CR R2.3	+	+	-	-
uni Flex SNB W R2.3	√	-	-	+
uni Flex SNB WT R2.3	-	-	√	+
uni Flex SNB WO R2.3	-	√	-	+

✓ Standard + Optional - Unavailable

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UNI FLEX SNB

DATASHEET: UNI FLEX SNB – ACCESSORIES



ACCESSORIES: CLICK ON FLIGHT 50.8 MM (2.00 IN), CLICK ON FLIGHT 25.4 MM (1.00 IN), RUBBER SUPPORT: MADE-TO-ORDER, CLICK ON FLIGHT LOW: MADE-TO-ORDER, RUBBER TOP, SIDE GUARD

ACCESSORIES - SIDE GUARD / STANDARD

TYPE	BELT MATERIAL & COLOR	HEIGHT	
		MM	IN
Side Guard	PP-I B W	30.0	1.18

ACCESSORIES - FLIGHT / STANDARD

TYPE	BELT MATERIAL & COLOR	LINK SIZE	HEIGHT		WIDTH	
			MM	IN	MM	IN
Flat	PA6.6 B W	K300	25.4	1.00	75.9	2.99
	PP B W		50.8	2.00	75.9	2.99

SUPPORT / MTO

TYPE	SUPPORT MATERIAL & COLOR	H		WIDTH		LENGTH	
		MM	IN	MM	IN	MM	IN
Rubber Support	01 N	4.0	0.16	43.0	1.69	14.0	0.55
Click on Flight Low	POM-D W	4.0	0.16	42.0	1.65	10.5	0.41

ACCESSORIES - MINIMUM INDENTS (I)

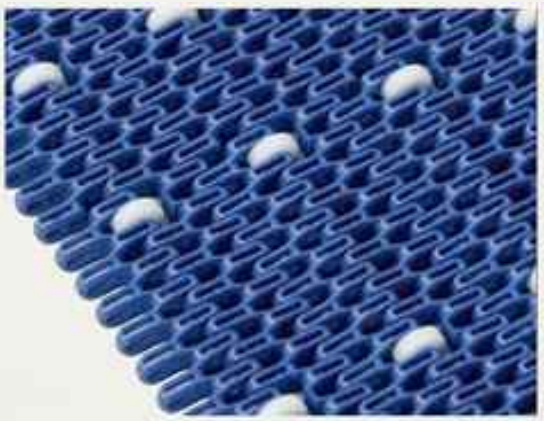
TYPE	RUBBER TOP				SIDE GUARD				CLICK ON FLIGHTS WITHOUT SIDE GUARD				CLICK ON FLIGHTS WITH SIDE GUARD			
	LEFT		RIGHT		LEFT		RIGHT		LEFT		RIGHT		LEFT		RIGHT	
	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN
uni Flex SNB CR R1.6	26.5	1.04	26.5	1.04	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB L R2.3	-	-	-	-	23.0	0.91	17.0	0.67	10.0	0.39	16.0	0.63	26.0	1.02	32.0	1.26
uni Flex SNB C R2.3	6.5	0.26	6.5	0.26	-	-	-	-	-	-	-	-	-	-	-	-
uni Flex SNB W R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WO R2.3	75.9	2.99	75.9	2.99	38.0	1.50	32.0	1.26	38.0	1.50	32.0	1.26	54.0	2.13	48.0	1.89
uni Flex SNB WT R2.3*	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	38.0	1.50	32.0	1.26	79.0	3.11	74.0	2.91
uni Flex SNB WT R2.3**	75.9	2.99	75.9	2.99	63.0	2.48	58.0	2.28	51.0	2.01	45.0	1.77	79.0	3.11	74.0	2.91

** Even distance between Click on Flight rows*
*** Odd distance between Click on Flight rows*

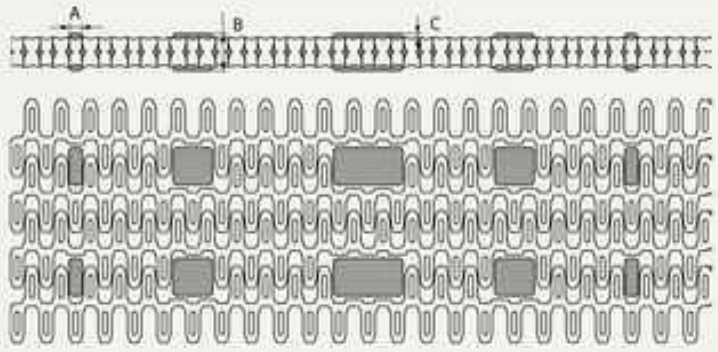
UNI-CHAINS · UNI FLEX SNB

UNI FLEX SNB

DATASHEET: UNI FLEX SNB



UNI FLEX SNB WITH ROLLERS – Ø17 X 5.5 MM (Ø0.67 X 0.22 IN)



MADE-TO-ORDER SELECTION – ROLLER POSITIONS A, B AND C

MADE-TO-ORDER SELECTION

Made-To-Oder Materials: POM-D, PP, PA6.6 and Roller Material POM-D.

Non standard Roller material and color: See uni Material and Color verview.

MADE-TO-ORDER SELECTION

TYPE	ROLLER MATERIAL & COLOR	A		B		C	
		MM	IN	MM	IN	MM	IN
		5.5	0.22				
Plastic	POM-D W	17.0	0.67	17.0	0.67	2.0	0.08
		30.0	1.18				

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE (IN / MM)											OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		0.75 / 19.1	0.79 / 20.0	0.98 / 25.0	1.00 / 25.4	1.18 / 30.0	1.25 / 31.8	1.50 / 38.1	1.57 / 40.0	2.36 / 60.0	2.50 / 63.5	3.54 / 90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z09	x			■	● ■	●	●						73.8	2.91	74.3	2.93	56.8	2.24	28.4	1.12	43.5	1.71	x		x	
Z10	x			■	● ■	●	●		●				82.2	3.24	82.2	3.24	65.2	2.57	32.6	1.28	47.5	1.87	x		x	
Z12	x				●	●	●	■	● ■				98.8	3.89	98.1	3.86	70.0	2.76	40.9	1.61	55.5	2.19	x		x	
Z15	x				●	●	●	■	● ■				123.5	4.86	122.2	4.81	70.0	2.76	53.2	2.09	67.5	2.66	x		x	
Z18	x					●	●	● ■	● ■				148.1	5.83	146.3	5.76	70.0	2.76	65.5	2.58	79.6	3.13	x		x	
Z19	x					●	●	● ■	● ■				156.2	6.15	154.3	6.07	70.0	2.76	69.6	2.74	83.6	3.29	x		x	

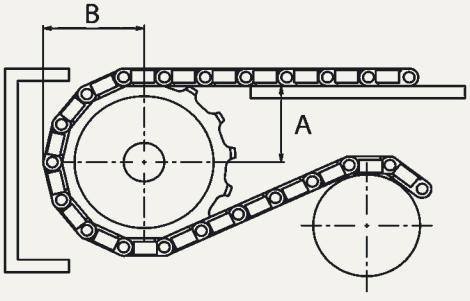
■ Molded sprocket ● Molded sprocket
Non standard material and color: See uni Material and Color Overview.



MOLDED SPROCKET – SQUARE BORE



MOLDED SPROCKET – ROUND BORE



SPROCKET DIMENSIONS A AND B IN THE CONVEYOR

UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB

DATASHEET: UNI FLEX ASB

PLASTIC MODULAR BELT – SERIES UNI FLEX ASB

Sideflexing belt

Nominal pitch: 25.4 mm (1.00 in)

Surface type: Flat

Surface opening: 43%

Backflex radius: 25.0 mm (0.98 in)

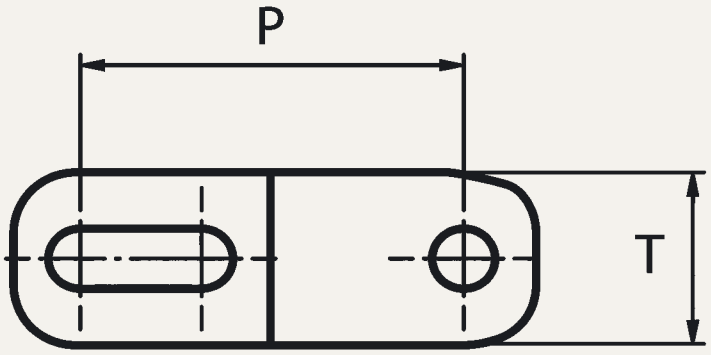
Pin diameter: 4.0 mm (0.16 in)

Min. inside radius: R1.6 x belt width, R2.2 x belt width

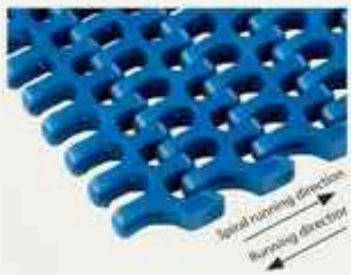
Curved surface makes perfect circle when Z9 tooth sprocket or 95 mm (3.74 in) flex diameter is applied.



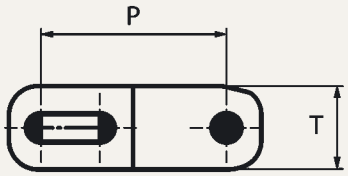
43% OPEN RADIUS 1.6



43% OPEN RADIUS 1.6 – MODULE PITCH P AND THICKNESS T



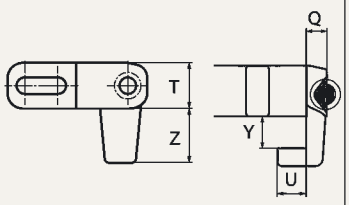
43% OPEN RADIUS 2.2



43% OPEN RADIUS 2.2 – PITCH P AND THICKNESS T



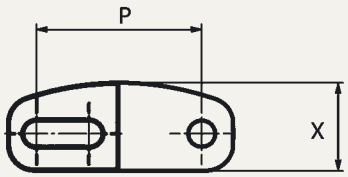
43% OPEN TAB RADIUS 2.2



43% OPEN TAB RADIUS 2.2 – TAB DIMENSIONS Q, T, U, Y, Z



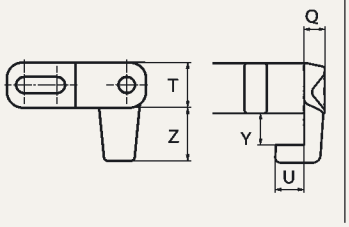
43% OPEN CURVED SURFACE RADIUS 2.2



43% OPEN CURVED SURFACE RADIUS 2.2 – PITCH P AND HEIGHT X



43% OPEN CURVED SURFACE TAB RADIUS 2.2



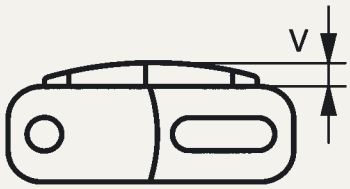
43% OPEN CURVED SURFACE TAB RADIUS 2.2 – TAB DIMENSIONS Q, T, U, Y, Z

UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB (CONT.)



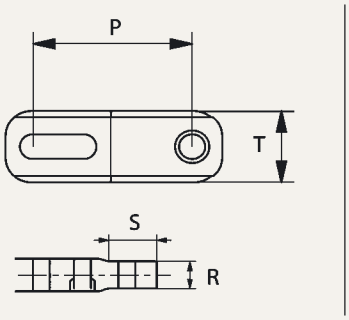
43% OPEN RUBBER TOP RADIUS 2.2



43% OPEN RUBBER TOP RADIUS 2.2 – RUBBER TOP HEIGHT V



43% OPEN EDGE RADIUS 2.2



43% OPEN EDGE RADIUS 2.2 – PITCH P, THICKNESS T, EDGE DIMENSIONS S AND R

Min. indent for Rubber Top inside and outside in the belt is 44.0 mm (1.73 in).

BELT DIMENSIONS

	MM	IN		MM	IN		MM	IN		MM	IN
P (Nominal)	25.4	1.00	S	16.0	0.63	V	3.0	0.12	Z	14.0	0.55
Q	5.5	0.22	T	12.0	0.47	X	14.2	0.56	-	-	-
R	10.0	0.39	U	7.5	0.30	Y	9.0	0.35	-	-	-

UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB

DATASHEET: UNI FLEX ASB

BELT AND PIN MATERIALS

TYPE	BELT MATERIALS AND COLORS	STANDARS PIN MATERIALS AND COLORS
43% Open Radius 1.6	POM-D B	PA6.6 B
43% Open Radius 2.2	POM-D B W	
	PP B W G	
43% Open Tab Radius 1.6	POM-D B W	
	PP B W	
43% Open Curved Surface Radius 2.2	POM-D B W	
43% Open Tab Curved Surface Radius 2.2	POM-D B W	
43% Open Rubber Top Radius 2.2	PP B + 03 K	
	PP W + 03 N	
43% Open Edge Radius 2.2	POM-D B	
	PP B	

Non standard material and color: See uni Material and Color Overview.
Alternative pin and lock materials: Snap Pin A2: PP W PBT LG PA6.6 B

BELT DATA

BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)								BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6				
		STRAIGHT SECTIONS		CURVE SECTIONS		STRAIGHT SECTIONS		CURVE SECTIONS							**CARRY (PCS)	**RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
149	5.9	2801	630	1200	270	1863	419	720	162	1.2	0.82	0.8	0.52	2	2	2
226	8.9	4249	955	1200	270	2825	635	720	162	1.9	1.25	1.2	0.79	2	2	2
302	11.9	5678	1276	1200	270	3775	849	720	162	2.5	1.66	1.6	1.06	3	3	2
379	14.9	7125	1602	1200	270	4738	1065	720	162	3.1	2.09	2.0	1.32	3	3	2
455	17.9	8554	1923	1200	270	5688	1279	720	162	3.7	2.51	2.4	1.59	5	4	2
531	20.9	9983	2244	1600	360	6638	1492	960	216	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	1600	360	7600	1708	960	216	5.0	3.35	3.2	2.12	5	5	3
531	20.9	9983	2244	2040	459	6638	1492	1224	275	4.4	2.93	2.8	1.86	5	4	2
608	23.9	11430	2570	2040	459	7600	1708	1224	275	5.0	3.35	3.2	2.12	5	5	3
684	26.9	12859	2891	2040	459	8550	1922	1224	275	5.6	3.77	3.6	2.39	5	5	3
761	30.0	14307	3216	2040	459	9513	2138	1224	275	6.2	4.19	4.0	2.66	7	6	3
837	33.0	15736	3537	2040	459	10463	2352	1224	275	6.9	4.61	4.4	2.93	7	6	3
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
1449	57.0	27241	6124	2040	459	18113	4072	1224	275	11.9	7.99	7.5	5.06	11	10	5
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.4 MM (3.01 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 12.7 MM (0.50 IN).																
1984	78.1	37299	8385	2040	459	24800	5575	1224	275	16.3	10.93	10.3	6.93	15	14	7

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 2000 N (450 lbf), PP 1100 N (247 lbf).*
***Max. Spacing between wear strips, Carry: 152 mm (6 in); Return: 304 mm (12 in).*
Max. Belt width with Flex ASB R1.6: 1296 mm (51.0 in).
□ = Single Link

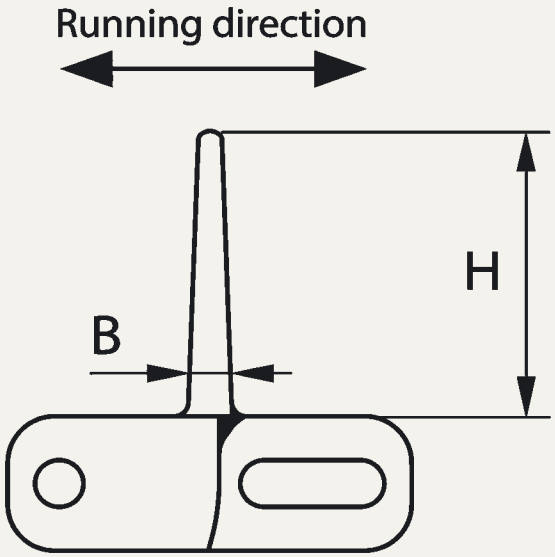
UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB

DATASHEET: UNI FLEX ASB



ACCESSORIES – FLIGHT



FLIGHT DIMENSIONS B AND H, RUNNING DIRECTION

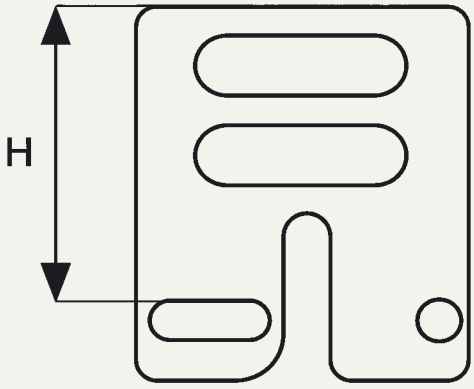
ACCESSORIES - FLIGHT

TYPE	FLIGHT MATERIAL & COLOR	B		H		LINK SIZE	WIDTH		I (MIN)	
		MM	IN	MM	IN		MM	IN	MM	IN
Flat	POM-D B W	3.7	0.15	25.4	1.00	K600	151.0	5.94	38.1	1.50

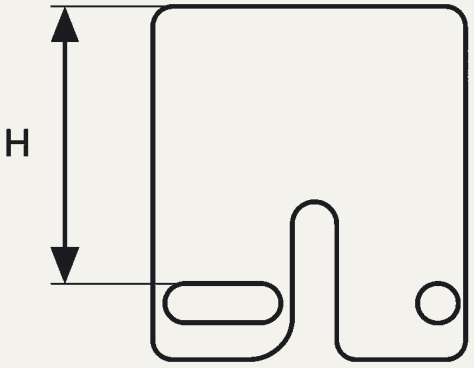
Non Standard material and color: See uni Material and Color Overview.



ACCESSORIES – SIDE GUARD



SIDE GUARD OPEN – HEIGHT H



SIDE GUARD – HEIGHT H

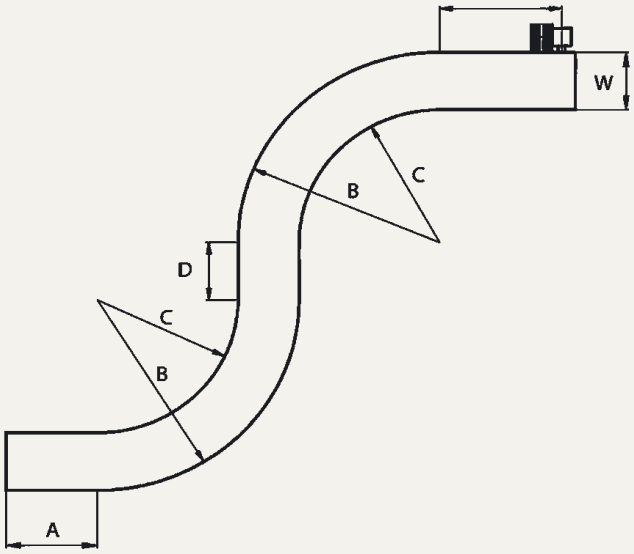
ACCESSORIES - SIDE GUARD

TYPE	SIDE GUARD MATERIAL & COLOR	H	
		MM	IN
Side Guard Side Guard Open	POM-D B W	25.4	1.00

Min. indent for Side Guard is: 44.0 mm (1.73 in) and Increment 25.4 mm (1.00 in)
Non Standard material and color: See uni Material and Color Overview.

UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB (CONT.)



DESIGN GUIDELINES – MIN. CONVEYOR DIMENSIONS A, B, C, D, E AND BELT WIDTH W

DESIGN GUIDELINES

	43% OPEN RADIUS 2.2 43% OPEN TAB RADIUS 2.2 43% OPEN CURVED SURFACE RADIUS 2.2 43% OPEN CURVED SURFACE TAB RADIUS 2.2	UNI FLEX ASB 43% OPEN RADIUS 1.6
A	min 1.5 x W	min 1.5 x W
B	min 3.2 x W	min 2.6 x W
C	min 2.2 x W	min 1.6 x W
D	min 2 x W	
E	min 2 x W, min	
W	Belt width	

uni Flex ASB 43% Open Radius 1.6 can not be used in conveyors with both left and right turning curves. All curves have to turn in the same direction.
For min. conveyor dimensions please refer to sketch and diagram.

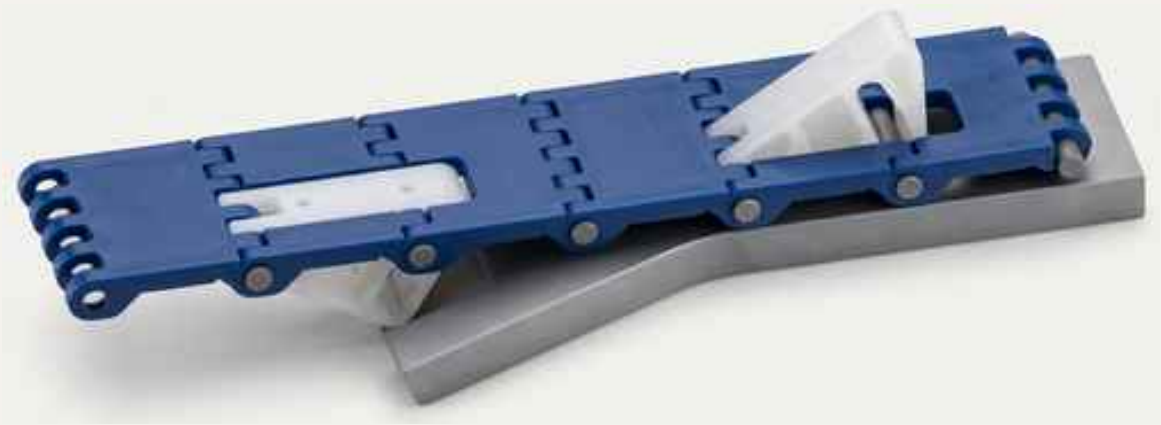
UNI-CHAINS · UNI FLEX ASB

UNI FLEX ASB

DATASHEET: UNI FLEX ASB

ACCESSORIES

Non Standard uni AmFlight



NON STANDARD UNI AMFLIGHT – PRINCIPLE SKETCH, RUNNING DIRECTION INDICATED

Other Non Standard option: See uni AmFlight Overview.

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z07	x			●	●	●	●							58.0	2.28	58.5	2.30	40.8	1.61	20.4	0.80	35.2	1.39		x		x
Z09	x				●■	●■	●	●						75.0	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70		x		x
Z12	x				●■	●	●	●	■					100.0	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17		x		x
Z15	x					●	●	●	■	●■	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64		x		x
Z18	x						●	●	●■	●■	■			149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12		x		x

■ *Machined sprocket* ● *Machined sprocket*

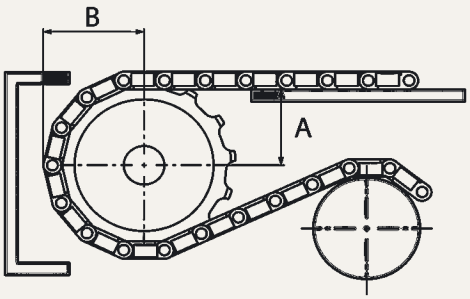
Non standard material and color: See uni Material and Color Overview.



■ MACHINED SPROCKET



● MACHINED SPROCKET



SPROCKET POSITION – DIMENSIONS A AND B

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Other bore sizes are available upon request
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 7.0 mm (0.28 in)
- Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex ASB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI FLEX L-ASB 60% OPEN RADIUS 2.2

UNI FLEX L-ASB 60% OPEN RADIUS 2.2

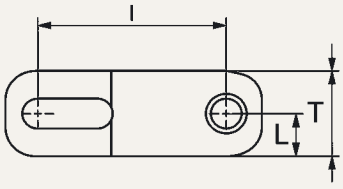
DATASHEET: UNI FLEX L-ASB 60% OPEN RADIUS 2.2

PLASTIC MODULAR BELT

Series **uni Flex OSB** Type **60% Open Radius 2.2**



BELT SURFACE – SPIRAL RUNNING DIRECTION AND RUNNING DIRECTION INDICATED



LINK DIMENSIONS P, T AND L

SIDEFLEXING BELT

- Nominal pitch: 25.4 mm (1.00 in)
- Surface type: Open
- Surface opening: 60%
- Backflex radius: 30.0 mm (1.18 in)
- Pin diameter: 4.0 mm (0.16 in)
- Min. inside radius: R2.2 x belt width

BELT MATERIAL & COLOR

Belt material & color	POM-D B	PP B
Pin and lock material & color	PA6.6 B	

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	25.4	1.00	T	12.0	0.47
L	6.0	0.24	-	-	-

ALTERNATIVE PIN AND LOCK MATERIALS

Snap Pin A1: PP W PBT LG PA6.6 B

BELT DATA

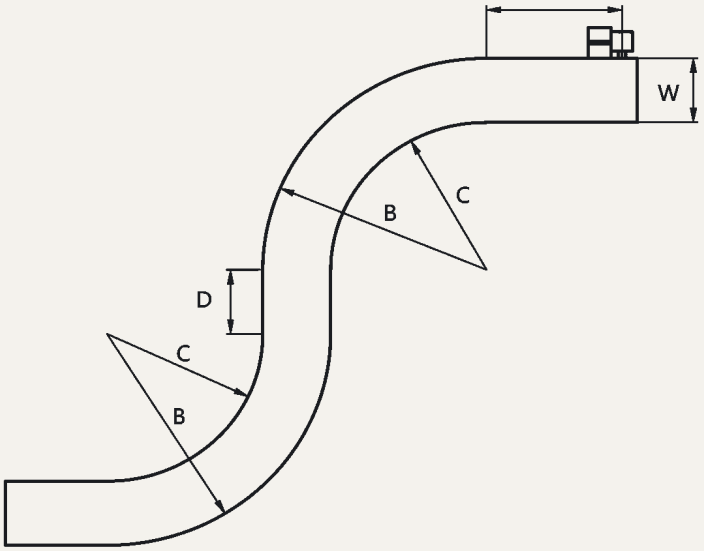
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)								BELT WEIGHT (BELT/PIN MATERIAL)				*MIN. NO. DRIVE SPROCKET PER SHAFT	NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6				
		STRAIGHT SECTIONS		CURVE SECTIONS		STRAIGHT SECTIONS		CURVE SECTIONS							CARRY (PCS)	RETURN (PCS)
MM	IN	N	LBF	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT			
303	11.9	3333	749	2040	459	2485	559	1224	275	1.6	1.10	1.1	0.77	3	2	2
379	14.9	3979	894	2040	459	2979	670	1224	275	2.1	1.38	1.4	0.96	3	2	2
456	18.0	4634	1042	2040	459	3479	782	1224	275	2.5	1.66	1.7	1.16	5	2	2
533	21.0	5288	1189	2040	459	3980	895	1224	275	2.9	1.94	2.0	1.35	5	2	2
610	24.0	5943	1336	2040	459	4480	1007	1224	275	3.3	2.22	2.3	1.55	5	3	3
686	27.0	6589	1481	2040	459	4974	1118	1224	275	3.7	2.49	2.6	1.74	5	3	3
763	30.0	7243	1628	2040	459	5475	1231	1224	275	4.1	2.77	2.9	1.94	7	3	3
840	33.1	7898	1775	2040	459	5975	1343	1224	275	4.5	3.05	3.2	2.13	7	3	3
917	36.1	8552	1922	2040	459	6476	1456	1224	275	5.0	3.33	3.5	2.33	7	3	3
994	39.1	9207	2070	2040	459	6976	1568	1224	275	5.4	3.61	3.8	2.53	7	3	3
1070	42.1	9853	2215	2040	459	7470	1679	1224	275	5.8	3.89	4.0	2.72	9	4	4
1147	45.2	10507	2362	2040	459	7971	1792	1224	275	6.2	4.17	4.3	2.91	9	4	4
ADDITIONAL STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 76.8 MM (3.02 IN). ADDITIONAL NON-STANDARD BELT WIDTHS ARE AVAILABLE IN STEPS OF 25.6 MM (1.01 IN).																
1454	57.2	13117	2949	2040	459	9966	2240	1224	275	7.9	5.29	5.5	3.69	11	10	5

General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (223 lbf), PP 550 N (123 lbf).*
Belt needs support rollers or flanged rollers at each belt edge for support.
☐ = Single Link

UNI-CHAINS · UNI FLEX OSB 60% OPEN RADIUS 2.2

UNI FLEX OSB 60% OPEN RADIUS 2.2

DATASHEET: UNI FLEX OSB 60% OPEN RADIUS 2.2



SIDEFLEXING LAYOUT – DIMENSIONS A, B, C, D, E AND BELT WIDTH W

DESIGN GUIDELINES

	UNI FLEX OSB 65% OPEN RADIUS 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG MOLDED	PA6 N MACHINED
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN				
Z09	x				●■	●■	●	●						75	2.95	74.3	2.93	57.8	2.28	28.9	1.14	43.1	1.70	x			x
Z12	x				●■	●	●	●	■					100	3.94	98.1	3.86	82.8	3.26	41.4	1.63	55.1	2.17	x			x
Z15	x					●	●	●	■	●■	■			124.6	4.91	122.2	4.81	107.4	4.23	53.8	2.12	67.1	2.64	x			x
Z18	x						●	●	●■	●■	■			149.3	5.88	146.3	5.76	132.1	5.20	66.0	2.60	79.2	3.12	x			x

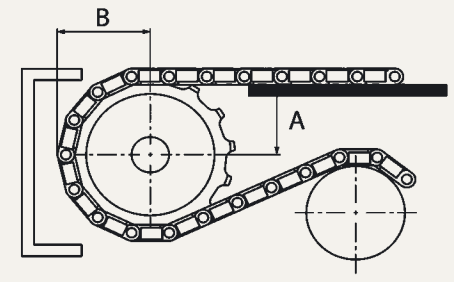
■ Machined sprocket ● Machined sprocket
Non standard material and color: See uni Material and Color Overview.



■ MACHINED SPROCKET



● MACHINED SPROCKET



SPROCKET POSITION – DIMENSIONS A AND B

- Other sprocket sizes are available upon request
- Two-part sprocket are available upon request
- Other bore sizes are available upon request
- uni Retainer Rings: See uni Retainer Ring data sheet
- Width of tooth = 14.0 mm (0.55 in)
- Width of sprocket = 30.0 mm (1.18 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex OSB.

For more detailed sprocket information, contact Customer Service.

UNI-CHAINS · UNI FLEX L-OSB 65% OPEN RADIUS 2.2

UNI FLEX L-OSB 65% OPEN RADIUS 2.2

DATASHEET: UNI FLEX L-OSB 65% OPEN RADIUS 2.2

PLASTIC MODULAR BELT

Series **uni Flex L-OSB** Type **65% Open Radius 2.2**



BELT SURFACE – SPIRAL RUNNING DIRECTION AND RUNNING DIRECTION INDICATED



LINK DIMENSIONS P, T AND L

SIDEFLEXING BELT

- Nominal pitch: 50.8 mm (2.00 in)
- Surface type: Open
- Surface opening: 65%
- Backflex radius: 30.0 mm (1.18 in)
- Pin diameter: 6.0 mm (0.24 in)
- Min. inside radius: R2.2 x belt width

BELT MATERIAL & COLOR

Belt material & color	POM-D B	PP B
Pin and lock material & color	PA6.6 B	

Non standard material and color: See uni Material and Color Overview.

DIMENSIONS

	MM	IN		MM	IN
P (Nominal)	50.8	2.00	T	15.0	0.59
L	7.5	0.29	-	-	-

ALTERNATIVE PIN AND LOCK MATERIALS

Snap Pin A1: PP W PBT LG PA6.6 B Lockpin: PBT LG

BELT DATA

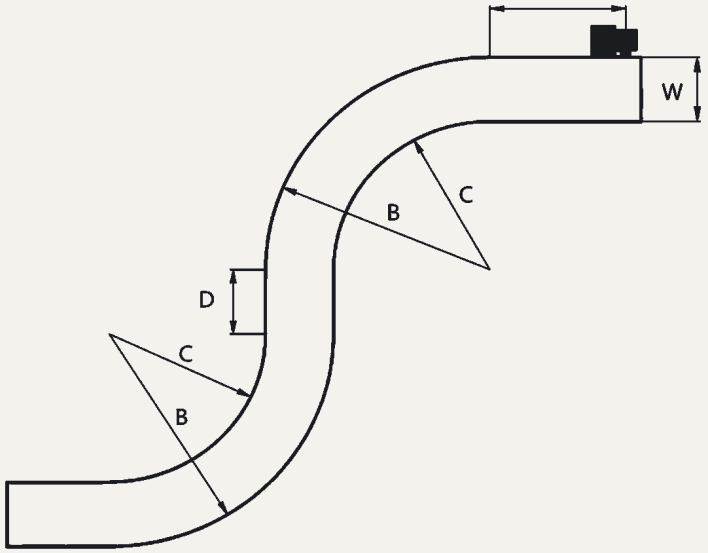
BELT WIDTH		PERMISSIBLE TENSILE FORCE (BELT/PIN MATERIAL)								BELT WEIGHT (BELT/PIN MATERIAL)					NUMBER OF WEAR STRIPS (MIN. NO.)	
		POM-D/PA6.6				PP/PA6.6				POM-D/PA6.6		PP/PA6.6				
		STRAIGHT SECTIONS		CURVE SECTIONS		STRAIGHT SECTIONS		CURVE SECTIONS								
MM	IN	N	LBF	N	LBF	N	LBF	N	LBF	KG/M	LB/FT	KG/M	LB/FT	*MIN. NO. DRIVE SPROCKET PER SHAFT	CARRY (PCS)	RETURN (PCS)
326	12.8	5803	1304	3300	742	4368	982	2080	468	2.2	1.45	1.6	1.06	3	2	2
428	16.9	6864	1543	3300	742	5205	1170	2080	468	2.8	1.91	2.1	1.39	3	2	2
530	20.9	7924	1781	3300	742	6041	1358	2080	468	3.5	2.37	2.6	1.72	4	2	2
631	24.8	8975	2018	3300	742	6869	1544	2080	468	4.2	2.82	3.0	2.05	4	3	3
733	28.9	10036	2256	3300	742	7706	1732	2080	468	4.9	3.27	3.5	2.38	5	3	3
834	32.8	11086	2492	3300	742	8534	1918	2080	468	5.5	3.72	4.0	2.71	5	3	3
936	36.9	12147	2731	3300	742	9370	2106	2080	468	6.2	4.18	4.5	3.04	5	3	3
1037	40.8	13197	2967	3300	742	10199	2293	2080	468	6.9	4.63	5.0	3.37	6	4	4
1139	44.8	14258	3205	3300	742	11035	2481	2080	468	7.6	5.08	5.5	3.70	6	4	4
1240	48.8	15308	3441	3300	742	11863	2667	2080	468	8.2	5.53	6.0	4.03	6	4	4
1342	52.8	16369	3680	3300	742	12700	2855	2080	468	8.9	5.99	6.5	4.36	7	5	5
1443	56.8	17420	3916	3300	742	13528	3041	2080	468	9.6	6.44	7.0	4.68	7	5	5

Additional standard belt widths are available in steps of 101.6 mm (4.00 in). Additional non-standard belt widths are available in steps of 50.8 mm (2.00 in).
General belt tolerance is +0/-0.4% at 23°C/73°F. For exact belt width contact Customer Service. Non standard belt width on request.
**Max. Load per Drive Sprocket. Belt material: POM-D 1000 N (225 lbf), PP 550 N (123 lbf).*
Belt needs support rollers or flanged rollers at each belt edge for support.
☐ = Single Link

UNI-CHAINS · UNI FLEX L-OSB 65% OPEN RADIUS 2.2

UNI FLEX L-OSB 65% OPEN RADIUS 2.2

DATASHEET: UNI FLEX L-OSB 65% OPEN RADIUS 2.2



DESIGN GUIDELINES – LAYOUT DIMENSIONS A, B, C, D, E AND BELT WIDTH W

DESIGN GUIDELINES

	UNI FLEX L-OSB 65% OPEN RADIUS 2.2
A	min. 1.5 x W
B	min 3.2 x W
C	min 2.2 x W
D	min 2 x W
E	min 2 x W, min.
W	Belt width

SPROCKET

NO. OF TEETH	PILOT BORE	BORE SIZE IN	0.75	0.79	0.98	1.00	1.18	1.25	1.50	1.57	2.36	2.50	3.54	OVERALL DIAMETER		PITCH DIAMETER		HUB DIAMETER		DIMENSION A		DIMENSION B		SINGLE ROW/TWO WAY	DOUBLE ROW/TWO WAY	PA6 LG	PA6 N
		MM	19.1	20.0	25.0	25.4	30.0	31.8	38.1	40.0	60.0	63.5	90.0	MM	IN	MM	IN	MM	IN	MM	IN	MM	IN			MOLDED	MACHINED
Z08	x					●■	●			●■				134.6	5.30	131.5	5.18	107.6	4.23	54.4	2.15	74.9	2.95	x			x
Z10	x					●■	●	●		●■				168.3	6.63	164	6.46	141.3	5.56	71.4	2.81	90.8	3.57	x			x
Z12	x					●		●	●■	●■		■		203.5	8.01	196.5	7.74	176.5	6.94	88.2	3.47	106.8	4.20	x			x
Z15	x					●		●	●■	●■		■		253.4	9.98	245.4	9.66	226.4	8.91	113.2	4.46	131.0	5.16	x			x

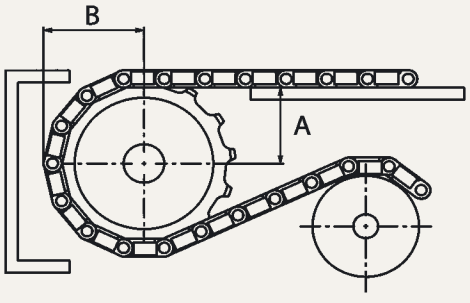
■ Machined sprocket ● Machined sprocket
Non standard material and color: See uni Material and Color Overview.



■ MACHINED SPROCKET



● MACHINED SPROCKET



SPROCKET DIMENSIONS A AND B

Other sprocket sizes are available upon request

Two-part sprocket are available upon request

Other bore sizes are available upon request

uni Retainer Rings: See uni Retainer Ring data sheet

Width of tooth = 30.0 mm (1.18 in)

Width of sprocket = 40.0 mm (1.57 in)

Max. load per sprocket shown does not take bore size into account. Please also ensure that sufficient size shaft is chosen for corresponding load.

For correct sprocket position: See uni Assembly Instructions for uni Flex L-OSB.

For more detailed sprocket information, contact Customer Service.