UNITING THE
UNIKING
STRONGEST LINKS

INDUSTRIAL BULK MATERIAL

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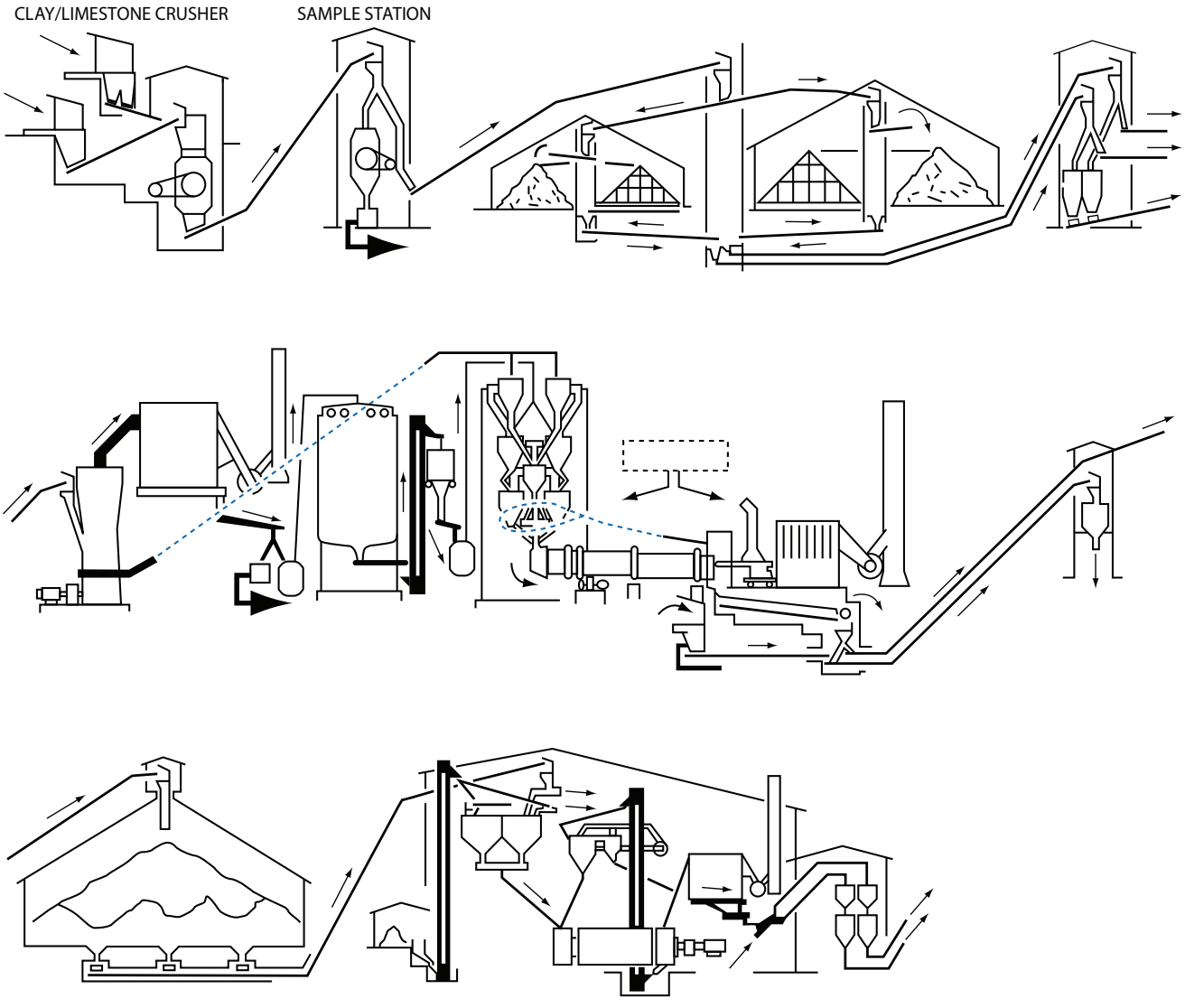
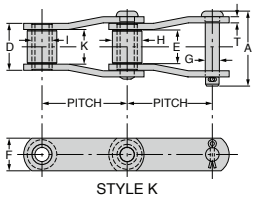
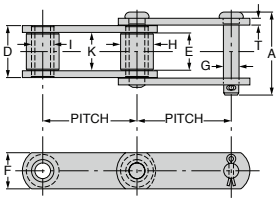

CLAY/LIMESTONE CRUSHER
SAMPLE STATION

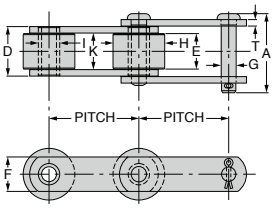
ENGINEERED CLASS CHAIN WITH ROLLERS



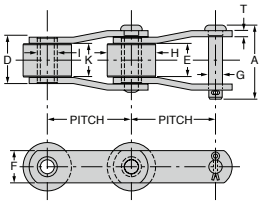
STYLE K



STYLE N



STYLE R



STYLE W

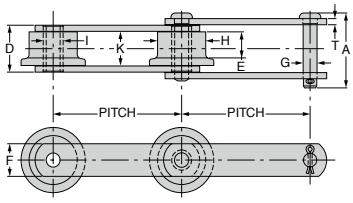
Properties

TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened
WI	White Iron

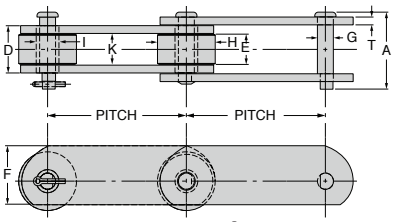
Dimensions are in inches. Strengths, loads and weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	Style	Average Pitch	Rated Working Load	Rec. Maximum R.P.M. for 12 T. Spkt. ①	Minimum Ultimate Strength, Lbs.x10	Average Weight Per Foot	Overall Pin & Cotter	Between Sidebars	Sidebars Thickness	Sidebars Height	Pins Diam.	Rollers Properties	Rollers Face Width	Rollers Outside Diam.	Bushings Style	Bushings Properties	Bushings Length	Bushings Outside Diam.	Sprocket Unit No. ②
								A	K	T	F	G		E	H			D	I	
1.654-2.609-Inch Pitch																				
RR362	RS625	N	1.654	1,650	280	8	3.0	2.03	1.00	.13	1.13	.38	CARB	.97	.88	A	TH	1.25	.56	62
RR432	RS627	N	1.654	2,100	280	21	3.7	2.28	1.00	.19	1.13	.44	TH	.97	.88	A	TH	1.38	.63	62
81X	RS81X	N	2.609	2,000	145	16	2.5	2.14	1.07	.16	1.13	.43	CARB	1.00	.88	A	TH	1.39	.63	78
C1288	SS1088	N	2.609	2,000	145	16	2.5	2.23	1.08	.16	1.13	.41	CARB	1.03	.90	A	CARB	1.38	.63	78
1578	–	K	2.609	2,200	145	17	2.6	2.36	1.06	.19	1.00	.44	CARB	1.03	.90	A	CARB	1.44	.63	78
RR778	RS886	N	2.609	2,300	145	23	2.9	2.41	1.13	.19	1.13	.44	CARB	1.08	.88	A	TH	1.50	.63	78
RR588	RS887	N	2.609	2,500	145	17	3.8	2.67	1.13	.25	1.13	.44	CARB	1.08	.88	A	TH	1.63	.63	78
81XH	RS81XH	N	2.609	2,500	145	28	4.1	2.58	1.07	.31③	1.27	.43	TH	1.00	.88	A	TH	1.69	.63	78
81XHH	RS81XHH	N	2.609	2,500	145	28	4.6	2.76	1.07	.31	1.27	.43	TH	1.00	.88	A	TH	1.69	.63	78
270	SS2004	N	2.609	3,500	145	40	6.9	2.95	1.14	.31	1.63	.56	TH	1.09	1.13	A	TH	1.77	.81	270
7774	–	N	2.609	3,500	145	40	6.4	3.01	1.13	.31	1.63	.56	TH	1.06	1.13	A	TH	1.75	.81	270
3.000-3.075-3.110-Inch Pitch																				
–	RS303	N	3.000	1,340	115	6	2.0	1.54④	.50	.19	1.00	.44	CARB	.48	.88	A	CARB	.88	.63	303
SR183	RS3013	R	3.000	2,100	115	22	4.0	2.25	1.00	.19	1.13	.44	CARB	.97	1.50	A	CARB	1.38	.63	183
A4539	–	N	3.075	4,650	110	38	6.8	3.47	1.50	.31	1.50	.63	SIH	1.45	1.25	A	CARB	2.13	.88	4539
1539	RS1539	N	3.075	4,650	110	24	6.8	3.50	1.50	.31	1.50	.63	CARB	1.45	1.25	A	TH	2.13	.89	1030
7539	–	N	3.110	4,650	110	40	9.1	3.47	1.50	.31	1.75	.63	SIH	1.40	1.38	A	TH	2.13	1.00	7539
4.000-Inch Pitch																				
RR1120	RS4013	R	4.000	2,100	75	13	3.4	2.28	1.00	.19	1.13	.44	TH⑤	.90	1.50	A	CARB⑤	1.38	.63	1120
–	RS4113	R	4.000	2,300	75	13	4.2	2.32	1.13	.19	1.13	.44	CARB	1.09	1.75	A	CARB	1.50	.63	188
SR194	RS4216	R	4.000	2,350	75	15	5.3	2.47	1.19	.19	1.25	.44	CARB	1.09	2.00	A	CARB	1.56	.63	194
SR188	–	R	4.000	2,400	75	13	4.2	2.47	1.19	.19	1.13	.44	CARB	1.06	1.75	A	CARB	1.56	.63	188
4	RS4019	R	4.000	2,500	75	21	4.2	2.50	.82	.25	1.25	.50	CARB	.88	1.50	A	CARB	1.46	.75	1120
2188	RS2188	R	4.000	4,200	75	23	7.0	3.25	1.31	.31	1.50	.63	CARB	1.25	1.75	A	CARB	1.94	.94	188
531	RS4328	R	4.000	4,500	75	28	9.7	3.47	1.31	.38	1.50	.63	CARB⑤	1.25	2.25	A	CARB	2.06	.94	531
ER3433	–	N	4.000	5,300	75	41	9.0	4.30	2.13	.38	1.50	.63	SIH	2.06	1.50	A	CARB	2.88	1.00	3433
A2868	–	N	4.000	7,200	75	57	12.1	4.36	2.00	.38	1.75	.75	SIH	1.95	1.44	A	CARB	2.75	1.06	2868
4.040-4.083-4.500-Inch Pitch																				
3420	RS1113	R	4.040	4,300	75	23	7.6	3.25	1.31	.31	1.50	.63	CARB	1.25	2.00	A	CARB	1.94	.94	1113
–	RO2113	W	4.040	4,300	75	18	8.0	3.14	1.31	.31	1.50	.69	CARB	1.25	2.00	A	CARB	1.94	1.00	2113
C2848	–	N	4.040	6,600	75	48	11.0	4.26	2.00	.38	2.00	.69	SIH	1.94	1.50	A	TH	2.75	1.00	2848
2858	–	N	4.083	7,200	75	57	13.0	4.37	2.00	.38	2.25	.75	SIH	1.94	1.63	A	CARB	2.75	1.13	2858
3285	–	N	4.500	10,500	60	91	21.0	4.94	2.06	.50	2.50	.94	SIH	1.95	2.00	A	TH	3.06	1.31	3285

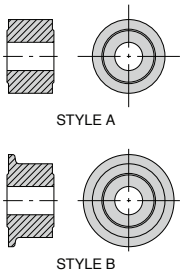
① If driver has more/less than 12 teeth, increase/decrease RPM in direct ratio of number of teeth to 12. Do not exceed a chain speed of 450 FPM.
② Fabricated steel sprockets are recommended.
③ Outer (pin-link) sidebars are .21 inches thick.
④ Extended rivet.
⑤ Heat treatment and dimension specifications for Rexnord Chain; Contact Rexnord for Link-Belt specifications.



STYLE T①



STYLE H ⑥



STYLE A

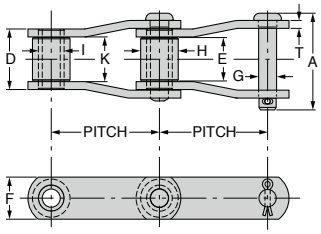
STYLE B

ROLLERS

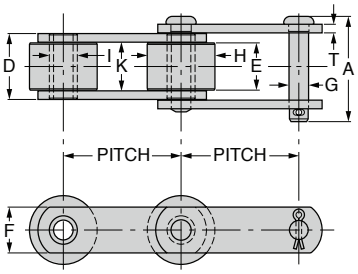
Dimensions are in inches. Strengths, loads and weights are in pounds.

nord Chain No.	Link-Belt Chain No.	Style	Average Pitch	Rated Working Load	Rec. Maximum R.P.M. for 2 T. ① Spkt.	Minimum Ultimate Strength Lbs.x10³	Average Weight Per Foot	Overall Pin & Cotter	Between Sidebars	Sidebars Thickness	Sidebars Height	Sidebars Diam.	Pins Properties	Rollers Face Width	Rollers Outside Diam.	Rollers Style	Bushings Properties	Bushings Length	Bushings Outside Diam.	Sprocket Unit No. ②
								A	K	T	F	G		E	H			D	I	
6.000-Inch Pitch																				
SR196	RS6018	R	6.000	2,600	40	18	5.0	2.72	1.19	0.25	1.50	0.44	CARB	1.09	2.00	A	CARB	1.69	0.63	196
1604	–	W	6.000	2,800	40	20	5.3	2.69	1.06	0.25	1.25	0.50	CARB	0.88	3.00	A	WI	1.56	0.72	1604
2126	RS1116	R	6.000	3,400	40	21	5.0	2.89	1.25	0.25	1.50	0.56	CARB	1.19	2.00	A	CARB	1.75	0.81	196
2190	RS2190	R	6.000	3,400	40	21	7.0	2.89	1.25	0.25	1.50	0.56	CARB	1.19	2.50	A	CARB	1.75	0.81	197
1670	–	R	6.000	4,100	40	23	6.3	3.25	1.31	0.31	1.50	0.63	CARB	1.19	2.25	A	CARB	1.94	0.94	2180
SR1114	RS1114	R	6.000	4,200	40	23	6.3	3.25	1.31	0.31	1.50	0.63	CARB	1.25	2.00	A	CARB	1.94	0.94	196
2180	–	R	6.000	4,500	40	35	8.7	3.47	1.31	0.38	1.75	0.63	CARB	1.19	2.25	A	CARB	2.06	0.94	2180
S951	–	R	6.000	4,500	40	37	10.7	3.47	1.31	0.38	2.00	0.63	CARB	1.19	3.00	A	CARB	2.06	0.94	S951
2183	RS951	R	6.000	4,600	40	24	10.7	3.50	1.50	0.31	1.50	0.63	CARB	1.38	3.00	A	CARB	2.13	0.89	1131
F2183	–	T	6.000	4,600	40	24	11.1	3.50	1.50	0.31	1.50	0.63	CARB	1.13	3.00	B	WI	2.13	0.88	S951
1036	–	K	6.000	4,600	40	24	4.8	3.50	1.50	0.31	1.50	0.63	CARB	1.45	1.25	A	TH	2.13	0.88	1036
–	RS658	T⑦	6.000	4,650	40	18	9.6	3.32	1.50	0.31	1.50	0.63	CARB	1.13	3.00	B	WI	2.13	0.89	1604
1617	–	H	6.000	4,800	40	43	11.0	3.28	1.38	0.31	2.50	0.69	CARB	1.22	2.50	A	CARB	2.00	1.00	197
SR3130	–	W	6.000	5,200	40	45	10.0	3.53	1.25	0.38	2.00	0.75	CARB	0.94	2.50	A	CARB	2.00	1.13	197
6	RS6238	R	6.000	5,600	40	45	11.0	3.67	1.38	0.38	2.00	0.75	TH⑥	1.31	2.50	A	CARB	2.13	1.13	197
6 Sp.	–	R	6.000	5,600	40	45	12.2	3.66	1.38	0.38	2.00	0.75	TH	1.25	3.00	A	CARB	2.13	1.13	1131
–	RS953	N	6.000	5,600	40	27	8.7	3.57	1.38	0.38	2.00	0.75	TH	1.31	1.75	A	CARB	2.13	1.13	953
–	RS6438	R	6.000	5,600	40	45	12.6	3.57	1.38	0.38	2.00	0.75	CIH	1.31	3.00	A	CARB	2.13	1.12	1131
RR542	–	N	6.000	6,000	40	28	5.7	4.05	2.13	0.31	1.50	0.63	CARB	2.06	1.25	A	TH	2.75	0.89	110
BR2111	RS944+	N	6.000	5,900	40	67	9.6	3.84	1.56	0.38	2.00	0.75	TH	1.50	1.88	A	CARB	2.31	1.25	2111
C2124③⑤	–	R	6.000	6,000	40	63	11.8	3.84	1.56	0.38	2.00	0.75	TH	1.25	2.75	A	CARB	2.31	1.13	2124
A2124	RS996	R	6.000	6,000	40	63	11.8	3.84	1.56	0.38	2.00	0.75	TH	1.44	2.75	A	CARB	2.31	1.13	2124
RS1131	RS1131	R	6.000	6,000	40	45	12.5	3.84	1.56	0.38	2.00	0.75	TH	1.38	3.00	A	CARB	2.31	1.13	1131
FX2184	RO2184	W	6.000	6,500	40	58	12.3	3.76	1.38	0.38	2.00	0.88	CIH	1.06	3.00	A	CARB	2.13	1.25	1131
FX9184	–	W	6.000	8,300	40	100	15.2	4.41	1.56	0.50	2.50	0.94	CIH	1.20	3.00	A	CARB	2.53	1.38	9184
A2178⑤	–	R	6.000	7,000	40	56	15.3	3.88	1.56	0.38	2.00	0.88	CIH	1.25	2.75	A	CARB	2.31	1.25	2124
A2198⑤	RS960	R	6.000	7,650	40	101	18.2	4.43	1.56	0.50	2.25	0.88	CIH	1.25	2.75	A	CARB	2.56	1.30	2124
–	RS2047④	R	6.000	7,800	40	98	32.0	3.94	1.63	0.38	2.50	0.94	TH	1.57	3.00	A	CARB	2.38	1.38	2047
5208	–	K	6.000	8,950	40	54	10.5	4.90	1.94	0.50	2.00	0.88	CIH	1.88	1.75	A	TH	2.94	1.25	5208
–	RS2600④	R	6.000	11,900	40	112	30.0	4.98	2.66	0.38	3.00	1.00	TH	2.29	3.50	A	TH	3.41	1.50	2600
C9856	–	N	6.000	14,000	40	97	22.1	5.96	3.00	0.50	2.75	1.00	CIH	2.88	2.75	A	CARB	4.00	1.50	9856
B9856	–	N	6.000	14,000	40	97	22.1	5.56	3.00	0.50	2.50	1.00	CIH	2.88	2.75	A	CARB	4.00	1.50	9856

① If driver has more/less than 12 teeth, increase/decrease RPM in direct ratio of number of teeth to 12. Do not exceed a chain speed of 450 FPM.
② Fabricated steel sprockets are recommended.
③ Plated pin.
④ Chain furnished with attachments every pitch.
⑤ Lower edge of sidebar is necked.
⑥ Centerline of sidebar is .25" higher than centerline of roller. Sidebar extends .25" above roller.
⑦ When assembled with through rods, the roller flange is on the side opposite the end of the rod.
⑧ Heat treatment and dimension specifications for Rexnord Chain; Contact Rexnord for Link-Belt specifications.
Note: "+" denotes "plus".



STYLE K



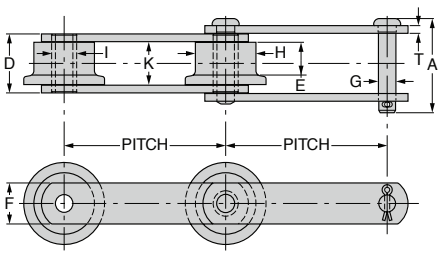
STYLE R

Properties	
TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened
WI	White Iron

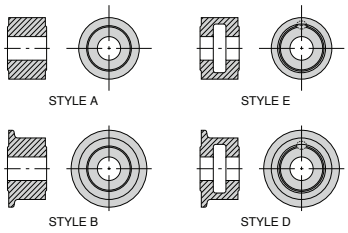
Dimensions are in inches. Strengths, loads and weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	Style	Average Pitch	Rated Working Load	Rec. Maximum R.P.M. for 2 T. Spkt. ①	Minimum Ultimate Strength, Lbs.x10³	Average Weight Per Foot	Overall Pin & Cotter	Between Sidebars	Sidebars Thickness	Sidebars Height	Pins Diam.	Pins Properties	Rollers Face Width	Rollers Outside Diam.	Rollers Style	Bushings Properties	Bushings Length	Bushings Outside Diam.	Sprocket Unit No. ②
								A	K	T	F	G		E	H			D	I	
8.000-Inch Pitch																				
A2800	–	R	8.000	9,800	26	94	62.2	4.71	1.81	.50	2.75	1.00	CIH	1.50	3.50	A	CARB	2.81	1.50	2800
–	RS2800③	R	8.000	11,900	26	112	30.0	4.98	2.66	.38	3.75	.94	TH	2.28	3.50	A	TH	3.41	1.50	2800
–	RS2804③	R	8.000	24,300	26	150	47.0	6.86	3.64	.50	3.50	1.50	TH	3.20	4.25	A	TH	4.64	1.99	2804
9.000-Inch Pitch																				
1039	–	K	9.000	4,650	22	24	4.3	3.50	1.50	.31	1.50	.63	CARB	1.45	1.25	A	TH	2.13	.88	1039
ER911	RS911	R	9.000	4,650	22	33	8.5	3.45	2.00⑥	.31	2.00	.63	CARB	1.44	3.00	A	CARB	2.13	.89	E911
–	SS928	T⑤	9.000	7,200	22	29	8.5	4.20	2.00	.38	2.00	.75	TH	1.69	1.86	A	NONE	2.75	1.13	SS928
ER922	SS927	R	9.000	7,200	22	34	12.0	4.28	2.00	.38	2.00	.75	TH	1.94	3.50	A	WI	2.75	1.13	E922
FR922	SS922	T⑤	9.000	7,200	22	34	12.5	4.28	2.00	.38	2.00	.75	TH	1.31	3.50	B	WI	2.75	1.13	F922
R2342	–	K	9.000	9,000	22	54	9.2	4.80	1.94	.50	2.00	.88	CIH	1.90	1.75	A	CARB	2.94	1.25	2342
R2405	–	K	9.000	9,000	22	88	9.7	4.80	1.94	.50	2.13	.88	TH	1.88	1.75	A	CARB	2.94	1.25	2342
ER933	–	R	9.000	9,200	22	53	15.6	4.72	2.25	.38	2.50	.88	TH	1.75	4.00	E	WI	3.00	1.25	E933
–	SS942	T⑤	9.000	9,200	22	39	12.4	4.57	2.25	.38	2.50	.88	TH	2.19	2.38	A	NONE	3.00	1.25	SS942
FR933	SS933	T⑤	9.000	9,200	22	48	16.5	4.61	2.25	.38	2.50	.88	TH	1.56	4.00	B⑥	WI	3.00	1.25	F933
R4009④	RS4851	R	9.000	9,200	22	67	14.7	4.60	2.25	.38	2.50	.88	CIH⑥	2.13	3.00	A	TH	3.00	1.27	4009
X4004④	RS4852	R	9.000	12,700	22	65	18.5	5.69	2.63	.50	2.50	1.00	CIH	2.56	3.00	A	CARB⑥	3.63	1.50	4004
4065 ④	RS4065	R	9.000	18,900	22	148	36.2	6.52	3.06	.63	3.50	1.25	CIH	3.00	4.25	A	CARB	4.31	2.00	4065
–	RS2064	R	9.000	19,700	22	105	28.0	5.90	2.75	.50	3.50	1.50	TH	2.69	3.50	A	TH	3.75	2.13	2064

① If driver has more/less than 12 teeth, increase/decrease RPM in direct ratio of number of teeth to 12. Do not exceed a chain speed of 450 FPM.
② Fabricated steel sprockets are recommended.
③ Chain furnished with attachment every pitch.
④ Furnished as standard with G5 attachment every second pitch.
⑤ When assembled with through rods, the roller flange is on the side opposite the end of the rod.
⑥ Heat treatment and dimension specifications for Rexnord Chain; Contact Rexnord for Link-Belt specifications.



STYLE T①



ROLLERS

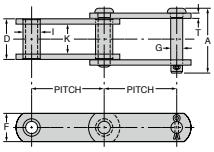
Properties	
TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened
WI	White Iron

Dimensions are in inches. Strengths, loads and weights are in pounds.

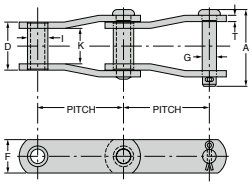
Rexnord Chain No.	Link-Belt Chain No.	Style	Average Pitch	Rated Working Load	Rec. Maximum R.P.M. for 12 T. Spkt.①	Minimum Ultimate Strength, Lbs.x10³	Average Weight Per Foot	Overall Pin & Cotter	Between Sidebars	Sidebars		Pins		Rollers			Bushings			Sprocket Unit No.
										Thickness	Height	Diam.	Properties	Face Width	Outside Diam.	Style	Properties	Length	Outside Diam.	
								A	K	T	F	G		E	H			D	I	②
12.000-Inch Pitch																				
E1211	RS1211	R	12.000	4,650	14	31	7.0	3.44	1.50	.31	2.00	.63	CARB	1.38	3.00	A	CARB	2.13	.89	E1211
–	SS4038	R	12.000	6,200	14	29	9.0	3.82	1.63	.38	2.00	.75	TH	1.56	3.25	A	WI	2.38	1.13	4038
ER1222	SS1227	R	12.000	7,200	14	34	10.0	4.31	2.00	.38	2.00	.75	TH	1.63	3.50	A	WI	2.75	1.13	E1222
FR1222	SS1222	T	12.000	7,200	14	34	10.5	4.31	2.00	.38	2.00	.75	TH	1.25	3.50	D⑤	WI	2.75	1.13	F1222
–	SS1232	T	12.000	7,200	14	46	12.0	4.20	2.00	.38	2.00	.75	TH	1.31	4.50	B	WI	2.75	1.13	F1232
R1251	–	K	12.000	9,000	14	56	9.8	4.90	1.94	.50	2.00	.88	CARB	1.88	1.75	A	CARB	2.94	1.25	2397
ER1233	–	R	12.000	9,200	14	61	13.1	4.64	2.25	.38	2.50	.88	TH	1.75	4.00	E	WI	2.94	1.25	E1233
FR1233	SS1233	T	12.000	9,200	14	62	14.0	4.64	2.25	.38	2.50	.88	TH	1.56	4.00	D⑤	WI	2.94	1.25	F1233
RR2397	–	K	12.000	9,200	14	60	9.5	4.64	2.25	.38	2.50	.88	CARB	2.19	1.75	A	CARB	3.00	1.25	2397
4011③	–	R	12.000	9,200	14	63	12.6	4.62	2.25	.38	2.50	.88	AC	2.12	3.00	A	TH	3.00	1.25	4011
–	RS4850	R	12.000	9,200	14	63	12.7	4.57	2.19	.38	2.50	.88	TH	2.13	3.00	A	TH	2.94	1.26	4011
ER1244	–	R	12.000	12,300	14	85	20.5	5.53	2.63	.50	2.50	1.00	TH	2.50	5.00	A	CARB	3.63	1.50	E1244
FR1244	–	T	12.000	12,300	14	63	21.50	5.53	2.63	.50	2.50	1.00	TH	1.75	5.00	D	WI	3.63	1.50	F1244
R1706	–	K	12.000	14,000	14	79	13.90	5.99	3.00	.50	2.50	1.00	CIH	2.94	2.25	A	CARB	4.00	1.50	2452
R2614	–	K	12.000	17,500	14	135	24.0	6.26	2.75	.63	3.50	1.25	CIH	2.69	2.50	A	CARB	4.00	1.75	2614
R4010④	–	R	12.000	23,500	14	185	39.2	6.79	3.25	.63	4.00	1.50	CIH	3.09	4.50	A	CARB	4.50	2.13	4010
18.000-Inch Pitch																				
ER1822	–	R	18.000	7,200	8	34	8.5	4.31	2	.38	2.00	.75	TH	1.63	3.50	A	WI	2.75	1.13	E1822
FR1822	–	T	18.000	7,200	8	34	9.0	4.31	2	.38	2.00	.75	TH	1.25	3.50	D	WI	2.75	1.13	F1822
F1833	–	T	18.000	9,200	8	63	11.5	4.72	2.25	.38	2.50	.88	TH	1.50	4.00	D	WI	3.00	1.25	F1833
FR1844	–	T	18.000	12,300	8	89	17.0	5.66	2.63	.50	2.50	1.00	TH	1.75	5.00	D	WI	3.63	1.50	F1844

①If driver has more/less than 12 teeth, increase/decrease RPM in direct ratio of number of teeth to 12. Do not exceed a chain speed of 450 FPM.
②Fabricated steel sprockets are recommended.
③Furnished as standard with G116 attachment every second pitch.
④Furnished as standard with G5 attachment every second pitch.
⑤Heat treatment and dimension specifications for Rexnord Chain.

ENGINEERED CLASS CHAIN WITHOUT ROLLERS



STYLE I



STYLE V

Properties

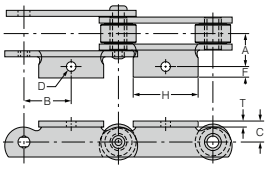
TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened
WI	White Iron

Dimensions are in inches. Strengths, loads and weights are in pounds.

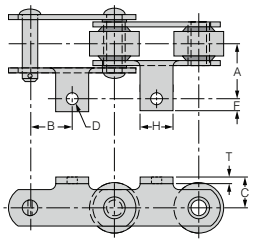
Rexnord Chain No.	Link- Belt Chain No.	Style	Average Pitch	Rated Working Load	Rec. Maximum R.P.M. for 12 T. Spkt.①	Minimum Ultimate Strength, Lbs. x 10^3	Average Weight Per Foot	Overall Pin & Cotter	Between Sidebars	Sidebars			Pins		Bushings		Sprocket Unit No.②
										Thickness	Height	Properties	Diam.	Properties	Length	Outside Diam.	
								A	K	T	F		G		D	I	
1.506-Inch Pitch																	
–	SS152	I	1.506	1,230	280	6	2.2	1.81	.81	.16	.88	TH	.31	CARB	1.13	.63	152
2.609-Inch Pitch																	
S188	SBS188	I	2.609	2,740	145	23	3.8	2.69	1.06	.25	1.13	TH	.50	CARB	1.57	.88	78
3.075-Inch Pitch																	
ER131	SBS131	I	3.075	4,450	110	36	7.4	3.52	1.31	38	1.50	TH	.63	CARB	2.06	1.25	103
1536	SBS1972	I	3.075	4,900	110	51	9.2	3.56	1.50	.38	1.75	TH	.63	TH	2.26	1.25	1536
–	SBO2103	V	3.075	5,000	110	28	5.6	3.03	1.38	.25	1.50	TH	.75	CARB	1.88	1.25	103
1535	SBS2162	I	3.075	5,300	110	50	9.4	3.58	1.38	.38	1.75	TH	.75	CARB	2.14	1.25	1535
4.000-Inch Pitch																	
R2823	–	V	4.000	3,170	75	21	3.2	2.94	1.31	.25	1.13	TH	.50	CARB	1.81	.78	823
S823	–	V	4.000	3,450	75	22	5.2	3.08	1.47	.25	1.25	TH	.50	CARB	1.97	.78	823
SR825	–	V	4.000	6,000	75	55	8.7	3.87	1.56	.38	2.00	TH	.75	CARB	2.31	1.14	825
ER102B	SBS102B	I	4.000	6,300	75	36	6.9	4.37	2.13	.38	1.50	TH	.63	CARB	2.89	1.00	102B
–	SBS2236	I	4.000	9,900	75	119	19.2	4.90	1.91	.56	2.38	TH	.94	CARB	3.03	1.75	2236
4.040-Inch Pitch																	
ER102.5	SBS102.5	I	4.040	7,800	75	48	9.4	4.56	2.25	.38	1.75	TH	.75	CARB	3.01	1.38	1021/2
4.760-Inch Pitch																	
ER111	SBS111	I	4.760	8,850	55	48	10.2	4.97	2.63	.38	2.00	TH	.75	SIH	3.39	1.44	111
4.760- and 7.240-Inch Pitch																	
ER111Sp⑦	–	I	4.760 7.240	8,850	40	48	8.8	4.97	2.63	.38	2.00	TH	.75	SIH	3.38	1.44	111Sp.
6.000-Inch Pitch																	
SR830	–	I	6.000	6,000	40	50	7.5	3.87	1.56	.38	2.00	TH	.75	CARB	2.31	1.16	830
ER110	SBS110	I	6.000	6,300	40	36	6.3	4.37	2.13	.38	1.50	TH	.63	CIH	2.89	1.25	110
ER833	–	I	6.000	8,900	40	48	9.3	4.97	2.63	.38	2.00	TH	.75	SIH	3.38	1.44	833
SR844	SBS844	V⑦	6.000	9,000	40	52	10.4	5.31	2.50	.50	2.00	TH	.75	CARB	3.50	1.15	844
6826	–	V	6.000	9,600	40	68	12.0	5.03	2.38	.38	2.50	TH	.88	SIH	3.13	1.50	6826
ER856	SBX856	I	6.000	14,000	40	82	16.5	5.99	3.00	.50	2.50	TH	1.00	CIH	4.00	1.75	856
ER956③	–	I	6.000	14,000	40	97	16.6	5.99	2.95	.50	3.00⑤	TH	1.00	CIH	4.00	1.75	856
ER857③	SBX2857	I	6.000	14,000	40	97	21.0	5.99	3.00	.50	3.25	TH	1.00	CIH	4.00	1.75	856
–	SBS850+	I	6.000	16,000	40	128	25.3	6.18	2.25	.63	3.00	TH	1.31	SIH	3.51	2.00	RO850
RO850	SBO850+	V	6.000	16,100	40	1428	24.6	6.18	2.25	.63	3.00	TH	1.31	CIH	3.51	2.00	RO850
ER958	–	I	6.000	16,300	40	97	21.0	6.07	3.00	.56	3.25	TH	1.13	CIH	4.13	2.00	958
–	SS1654	I	6.000	18,300	40	175	35.4	6.38	2.25	.63	4.00⑥	TH	1.50	SIH	3.51	2.50	1654
ER859③	SBX2859	I	6.000	22,000	40	155	34.0	7.62	3.75	.63	4.00⑥	TH	1.25	CIH⑦	5.00	2.38	859
–	SBO6065	V	6.000	27,600	40	420	51.7	6.86	3.00	.75	4.75	TH	1.75	TH	4.50	3.00	6065
6.010 to 9.000-Inch Pitch																	
ER150	SBS150+	I	6.050	15,000	40	85	16.6	6.36	3.34	.50	2.50	TH	1.00	SIH	4.35	1.75	132
ERA150④	–	I	6.050	15,000	40	82	16.6	6.34	3.34	.50	2.50	TH	1.00	SIH	4.34	1.75	132
SX175	–	I	6.050	18,500	40	114	24.5	6.69	3.19	.63	3.00	TH	1.19	CIH	4.44	2.00	SX175
ER864③	SBX2864	I	7.000	22,000	40	155	33.0	7.62	3.75	.63	4.00⑥	TH	1.25	CIH	5.00	2.38	864
ER984	–	I	7.000	24,000	40	155	33.0	7.35	3.75	.62	4.00	TH	1.38	CIH	5.00	2.50	984
SX886	–	V	7.000	24,000	40	255	42.0	6.79	2.75	.75	4.00	TH	1.63	CIH	4.25	2.63	SX886
–	SBS4871	I	9.000	15,300	40	91	14.6	6.21	3.38	.50	3.00	TH	1.00	SIH	4.35	1.75	1903

① If driver has more/less than 12 teeth, increase/decrease RPM in direct ratio of number of teeth to 12. Do not exceed a chain speed of 450 FPM.
② Fabricated steel sprockets are recommended.
③ Both pins in a pin link have their heads on the same side. In the assembled chain the pin links are staggered.
④ Induction hardened sidebar edges furnished as standard.
⑤ Outer (pin-link) sidebars are 2.50 inches high.
⑥ Outer (pin-link) sidebars are 3.00 inches high.
⑦ Heat treatment and dimension specifications for Rexnord Chain; Contact Rexnord for Link-Belt specifications.
Note: "+" denotes "plus".

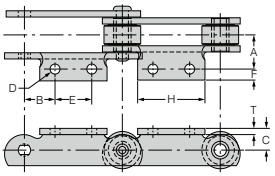
ENGINEERED CLASS CHAIN ATTACHMENTS



A1 Rexnord



A1 Link-Belt

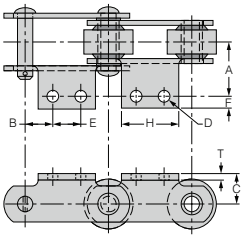


A2 Rexnord

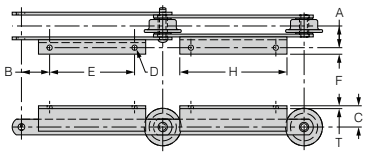
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
A1														
4	–	1.38	2.00	.88	3/8	.41	–	.53	–	2.75	–	–	.25	4.7
SR183À	–	1.47	1.50	.81	5/16	.34	–	.53	–	2.00	–	–	.19	4.4
SR194	–	2.00	2.00	1.13	3/8	.41	–	.63	–	3.25	–	–	.19	6.3
SR196	–	2.00	3.00	1.25	3/8	.41	–	.76	–	3.50	–	–	.25	6.6
S188	–	1.88	1.31	.81	3/8	.41	–	.69	–	2.12	–	–	.25	4.5
RR432	–	1.38	.83	.81	1/4	.28	–	.41	–	1.00	–	–	.19	4.0
RR588	–	1.94	1.31	.88	5/16	.34	–	.90	–	2.13	–	–	.25	4.0
RR778	–	1.94	1.31	.88	5/16	.34	–	.72	–	2.13	–	–	.19	2.6
RR1120	–	1.38	2.00	.81	3/8	.41	–	.63	–	2.50	–	–	.19	3.6
1539	–	1.88	1.53	1.25	1/2	.56	–	.70	–	3.00	–	–	.31	7.9
2188	–	1.69	2.00	1.00	3/8	.41	–	1.03	–	2.75	–	–	.31	7.9
–	RS625	1.19	.83	.69	1/4	.31	–	.53	–	.88	–	–	.13	3.2
–	RS627	1.38	.83	.81	1/4	.28	–	.53	–	1.00	–	–	.19	4.6
–	RS1539	1.88	1.53	1.25	1/2	.56	–	.65	–	2.75	–	–	.31	7.9
–	RS2188	1.81	2.00	1.00	1/2	.56	–	.85	–	3.00	–	–	.31	7.9
–	RS3013	1.47	1.50	.81	5/16	.34	–	.43	–	2.25	–	–	.19	4.5
–	RS4013	1.38	2.00	.81	3/8	.41	–	.53	–	2.50	–	–	.19	3.9
–	RS4019	1.38	2.00	.88	3/8	.41	–	.51	–	2.50	–	–	.25	4.8
–	RS4113	1.72	2.00	1.00	3/8	.41	–	.59	–	2.50	–	–	.19	4.7
–	S4216	2.00	2.00	1.13	3/8	.41	–	.61	–	3.38	–	–	.19	5.6
–	S4328	2.00	2.00	1.25	1/2	.56	–	.88	–	2.00	–	–	.38	10.7
A2 made also for chain with offset sidebars.														
4	–	1.38	1.25	.88	3/8	.41	1.50	.53	–	2.75	–	–	.25	4.7
6	–	2.13	1.69	1.63	1/2	.53	2.63	.72	–	5.50	–	–	.38	13.0
6 Sp.	–	2.13	1.69	1.63	1/2	.53	2.63	.72	–	5.50	–	–	.38	14.2
A2124	–	2.19	1.50	1.63	1/2	.53	3.00	.71	–	4.50	–	–	.38	13.8
SR183①	–	1.56	.97	.81	1/4	.28	1.06	.44	–	2.00	–	–	.19	4.6
SR188①	–	2.00	.75②	1.00	3/8	.41	2.00②	.52	–	3.38	–	–	.19	4.9
SR194	–	2.00	1.00	1.13	3/8	.41	2.00	.63	–	3.25	–	–	.19	6.3
SR196	–	2.00	2.00	1.25	3/8	.41	2.00	.76	–	3.50	–	–	.25	6.6
E911	–	2.56	2.75	1.75	1/2	.53	3.50	1.00	–	5.50	–	–	.25	10.6
FR922	–	2.88	2.75	2.50	1/2	.53	3.50	1.00	–	5.50	–	–	.25	14.6
FR933	–	3.00	2.75	2.88	1/2	.53	3.50	.90	–	5.50	–	–	.31	19.4
ER102B	–	2.66	1.13	1.13	3/8	.41	1.75	.81	–	4.25	–	–	.38	9.4
S188	–	2.09	.67	.81	5/16	.34	1.25	.47	–	2.13	–	–	.25	4.5
S951	–	2.19	2.00	1.63	3/8	.41	2.00	.84	–	3.50	–	–	.25	12.7
SR1114	–	2.00	2.00	1.13	3/8	.41	2.00	.69	–	3.50	–	–	.31	8.5
RS1131	–	3.00	1.69	1.63	1/2	.56	2.63	.69	–	4.50	–	–	.38	15.5
1539	–	2.00	.59	1.25	5/16	.34	1.88	.58	–	3.00	–	–	.31	7.9
2126	–	2.00	2.00	1.13	3/8	.41	2.00	.75	–	3.50	–	–	.25	6.0
2180	–	2.38	2.00	1.63	1/2	.56	2.00	.81	–	3.50	–	–	.38	10.2
2188	–	1.81	1.13	1.00	1/2	.56	1.75	.91	–	2.75	–	–	.31	7.9
3420	–	2.06	1.27	1.25	3/8	.41	1.50	1.00	–	2.75	–	–	.31	9.3

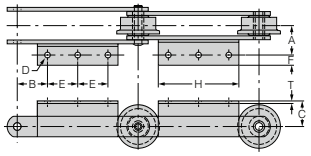
①A1/A2 and K1/K2 attachments may be combined on the same sidebar.
②Not Central.
Note: Most attachments are thru-hardened.



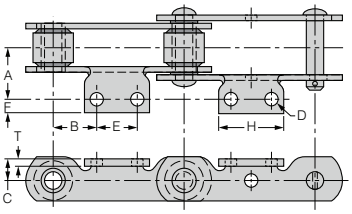
A2 Figure 1



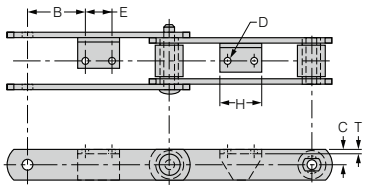
A2 Figure 2



A3 Rexnord



A3 Link-Belt

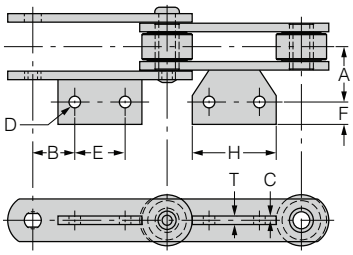


A5

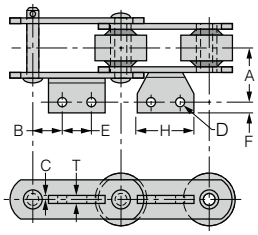
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
A2 Figure 1														
–	RS658	2.63	1.50	2.50	3/8	.44	3.00	.79	–	4.38	–	–	.31	12.2
–	RS886	2.09	.67	.81	5/16	.34	1.25	.61	–	2.13	–	–	.19	3.7
–	RS887	2.09	.67	.88	5/16	.38	1.25	.46	–	2.13	–	–	.25	4.5
–	RS951	2.19	2.00	1.63	3/8	.44	2.00	.72	–	4.13	–	–	.31	12.4
–	RS1113	2.06	1.27	1.25	3/8	.41	1.50	.71	–	2.50	–	–	.31	9.3
–	RS1114	2.00	2.00	1.13	3/8	.41	2.00	.85	–	3.50	–	–	.31	8.5
–	RS1116	2.00	2.00	1.13	3/8	.44	2.00	.69	–	2.88	–	–	.25	6.0
–	RS1131	3.00	1.69	1.63	1/2	.56	2.63	.69	–	5.50	–	–	.38	15.5
–	RS1539	1.98	.59	1.25	5/16	.34	1.88	.58	–	2.75	–	–	.31	7.9
–	RS2188	1.81	1.13	1.00	1/2	.56	1.75	.86	–	3.00	–	–	.31	7.9
–	RS2190	2.00	2.00	1.13	3/8	.41	2.00	.69	–	2.88	–	–	.25	7.2
–	RS4013	1.38	1.41	.81	5/16	.34	1.19	.53	–	2.50	–	–	.19	3.9
–	RS4019	1.38	1.25	.88	3/8	.41	1.50	.45	–	2.50	–	–	.25	4.7
–	RS6018	2.00	2.00	1.25	3/8	.44	2.00	.61	–	3.00	–	–	.25	6.6
–	RS6238	2.13	1.69	1.63	1/2	.56	2.63	.79	–	5.50	–	–	.38	13.3
–	RS6438	2.13	1.69	1.63	1/2	.56	2.63	.75	–	5.50	–	–	.38	14.8
A2 Figure 2														
–	RS911	2.56	2.75	1.75	1/2	.53	3.50	1.00	–	5.50	–	–	.25	10.6
–	SS922	2.88	2.75	2.50	1/2	.53	3.50	1.00	–	5.50	–	–	.25	14.6
–	SS927	2.88	2.75	2.50	1/2	.53	3.50	1.00	–	5.50	–	–	.25	13.9
–	SS933	3.00	2.75	2.88	1/2	.53	3.50	1.41	–	5.50	–	–	.31	20.7
–	RS1211	2.56	3.00	1.75	1/2	.53	6.00	1.00	–	8.00	–	–	.25	9.5
–	SS1222	2.88	3.00	2.50	1/2	.53	6.00	1.00	–	8.00	–	–	.25	12.9
A3														
ER1222	–	2.88	3.00	2.50	1/2	.53	3.00	1.00	–	8.00	–	–	.25	13.1
FR1222	–	2.88	3.00	2.50	1/2	.53	3.00	1.00	–	8.00	–	–	.25	12.9
ER1233	–	3.25	3.00	3.00	1/2	.53	3.00	1.25	–	8.00	–	–	.31	17.1
FR1233	–	3.25	3.00	3.00	1/2	.53	3.00	1.25	–	8.00	–	–	.31	17.1
E1244	–	3.75	3.00	3.63	1/2	.53	3.00	1.13	–	8.00	–	–	.38	25.8
FR1244	–	3.75	3.00	3.63	1/2	.53	3.00	1.13	–	8.00	–	–	.38	25.8
F1822	–	2.88	3.50	2.50	1/2	.53	5.50	1.00	–	14.00	–	–	.25	11.4
F1844	–	3.75	3.50	3.63	1/2	.53	5.50	1.59	–	14.00	–	–	.38	22.3
2348	–	3.13	3.25	1.25	5/8	.66	2.75	1.28	–	8.00	–	–	.38	18.1
–	RS953①	2.34	2.00	1.00	9/16	.53	2.00	.77	–	3.25	–	–	.38	9.9
A5														
–	SS928	-	3.38	1.00	1/2	.56	2.25	–	–	3.50	–	–	.38	9.4
–	SS942	-	3.38	1.25	1/2	.56	2.25	–	–	3.50	–	–	.38	13.3
–	SS1242	-	4.88	1.25	1/2	.56	2.25	–	–	3.50	–	–	.38	14.7

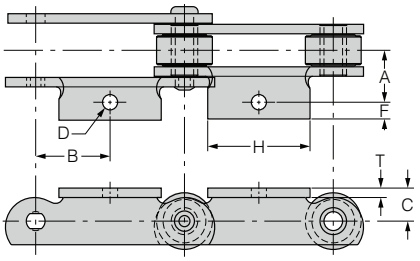
① Sidebars have .76" holes located on pitch-line midway between chain joints.
Note: Most attachments are thru-hardened.



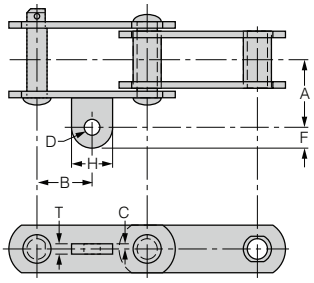
A11 Rexnord



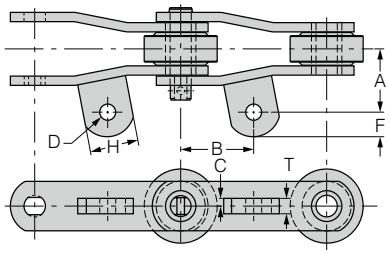
A11 Link-Belt



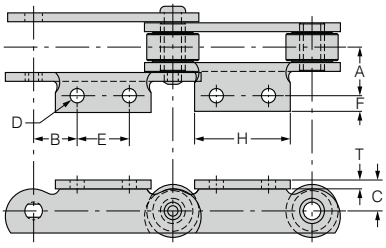
A17



A22 Link-Belt



A22 Rexnord

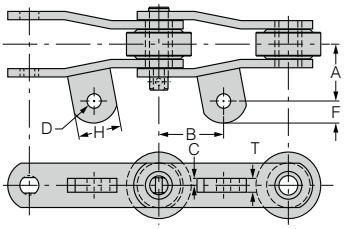


A20, A23, A25

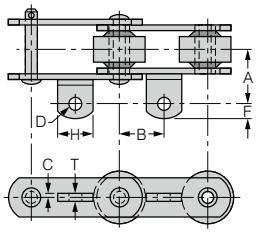
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
							A11							
6	–	2.75	1.56	.19	1/2	.53	2.88	.84	–	4.50	–	–	.38	12.5
S951	–	2.19	2.00	.25	3/8	.41	2.25	.72	–	3.25	–	–	.25	12.0
2190	–	2.56	1.88	.19	1/4	.28	2.25	.50	–	3.25	–	–	.25	7.6
–	RS658	2.31	2.13	–	3/8	.39	1.75	.87	–	3.00	–	–	.19	12.0
–	RS2190	2.56	1.88	–	1/4	.28	2.25	.59	–	3.25	–	–	.38	7.9
–	RS6238	2.75	1.56	–	1/2	.56	2.88	1.00	–	4.50	–	–	.38	12.4
							A17							
531	–	2.00	2.00	1.31	1/2	.53	–	.72	–	1.50	–	–	.38	10.0
							A20							
2183	–	2.00	1.75	2.00	3/8	.41	2.50	.80	–	3.50	–	–	.31	11.7
F2183	–	2.00	1.75	2.00	3/8	.41	2.50	.63	–	3.50	–	–	.31	12.2
2190	–	2.00	2.00	1.13	3/8	.41	2.00	1.03	–	3.50	–	–	.25	7.9
							A22 made also for chain with straight sidebars.							
S188	–	1.78	1.31	.08	3/8	.41	–	.59	–	1.25	–	–	.31	4.8
3420	–	2.38	2.00	.25	5/8	.69	–	.92	–	2.00	–	–	.50	9.1
							A22							
–	SBS188	1.78	1.31	.19	3/8	.41	–	.59	–	1.19	–	–	.38	4.8
							A23							
FR922	–	3.41	3.13	1.00	1/2	.56	2.75	.88	–	4.75	–	–	.25	13.6
FR933	–	4.13	3.13	1.25	1/2	.56	2.75	.88	–	4.75	–	–	.25	18.6
FR1244	–	4.50	3.25	1.50	5/8	.66	5.50	.88	–	7.50	–	–	.38	25.8
							A25							
S951	–	3.19	2.00	1.31	1/2	.56	2.00	.75	–	3.50	–	–	.25	13.2
2183	–	2.90	2.19	1.00	3/8	.41	1.63	.67	–	3.13	–	–	.25	11.4
F2183	–	2.90	2.19	1.00	3/8	.41	1.63	.67	–	3.13	–	–	.25	12.8

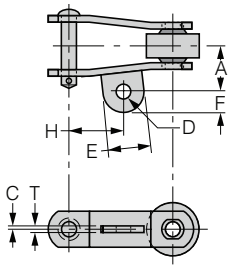
Note: Most attachments are thru-hardened.



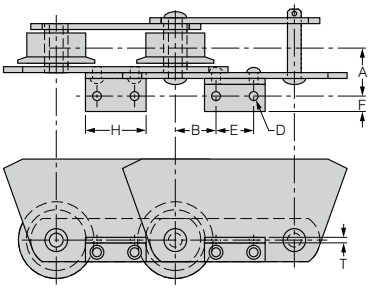
A42



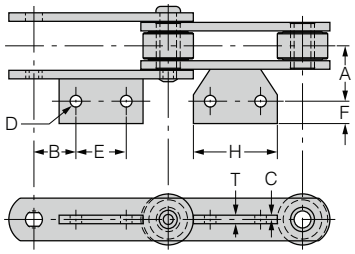
A42 Figure 1



A42 Figure 2



AR7

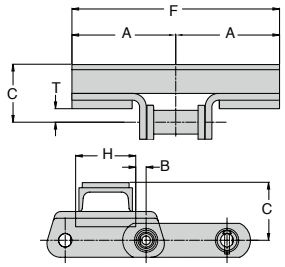


A63

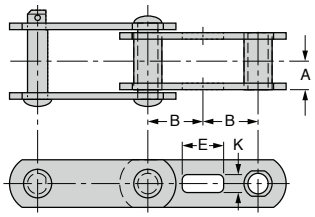
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
A42														
6	–	2.56	3.00	.31	5/8	.66	–	.86	–	2.00	–	–	.63	12.3
SR183	–	1.31	1.50	.13	5/16	.34	–	.38	–	.88	–	–	.25	4.2
SR825	–	2.75	2.13	.31	5/8	.66	–	.81	–	1.50	–	–	.63	9.4
SR830	–	2.56	3.00	.31	3/4	.78	–	1.00	–	2.00	–	–	.63	8.1
RR1120	–	1.63	2.00	.19	3/8	.41	–	.63	–	1.25	–	–	.38	3.5
RS1131	–	2.59	3.00	.31	5/8	.66	–	1.00	–	2.00	–	–	.63	13.8
1604	–	1.75	3.00	.19	3/8	.41	–	.63	–	1.25	–	–	.38	6.6
2180	–	2.69	3.00	.22	5/8	.66	–	.56	–	1.50	–	–	.44	10.2
FX2184	–	2.56	3.00	.31	5/8	.66	–	1.00	–	2.00	–	–	.63	13.5
SR3130	–	2.38	3.00	.31	5/8	.66	–	.81	–	2.00	–	–	.63	11.0
A42 Figure 1														
–	RS1113	2.38	2.02	.25	5/8	.66	–	.94	–	1.50	–	–	.50	9.1
–	RS1131	2.59	3.00	.31	5/8	.69	–	1.00	–	2.00	–	–	.63	13.8
–	RS2284	2.63	3.00	.31	5/8	.69	–	1.08	–	2.00	–	–	.63	13.1
–	RS2284+	2.63	3.00	.31	5/8	.69	–	1.08	–	2.00	–	–	.61	13.1
–	RS2600	3.75	3.00	.31	5/8	.69	–	.91	–	2.00	–	–	.61	27.7
–	RS3013	1.56	1.50	.13	3/8	.41	–	.45	–	1.25	–	–	.25	4.3
–	RS4013	1.63	2.00	.19	3/8	.41	–	.50	–	1.25	–	–	.38	3.7
–	RS6238	2.56	3.00	.31	5/8	.66	–	.81	–	2.00	–	–	.61	11.3
–	RS6438	2.56	3.00	.31	5/8	.66	–	.81	–	2.00	–	–	.61	13.0
A42 Figure 2														
–	RO2113	2.38	2.00	.25	5/8	.66	–	.75	–	1.50	–	–	.50	9.5
–	RO2284	2.63	3.00	.31	5/8	.69	–	.88	–	2.00	–	–	.63	13.1
–	RO2284+	2.63	3.00	.31	5/8	.69	–	.88	–	2.00	–	–	.63	13.1
A63														
4	–	1.63	1.25	.13	5/16	.34	1.50	.66	–	2.50	–	–	.25	4.8
AR7														
–	RS658	2.31	2.13	–	5/16	.39	1.75	.75	–	3.00	–	–	.19	18.7

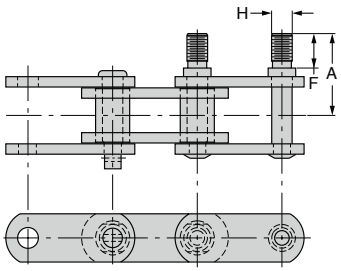
Note: Most attachments are thru-hardened.
Note: "+" sign denotes "plus".



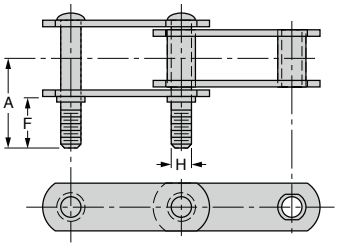
B155



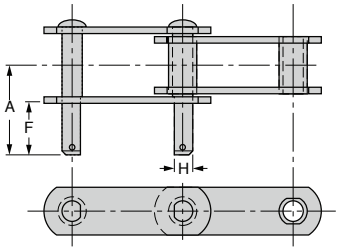
BM5, bm55



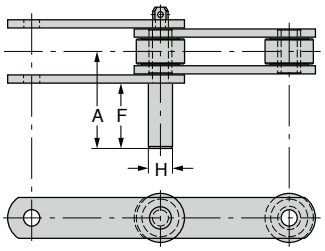
D2



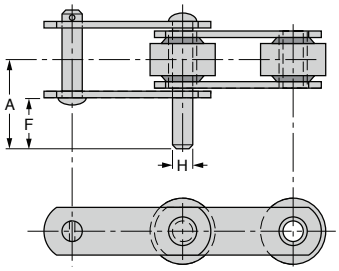
D3



D4



D5 Rexnord



D5 Link-Belt

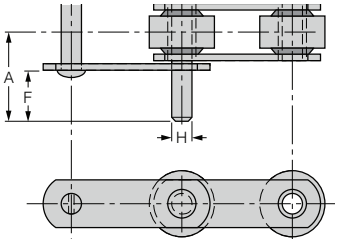
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
						B155								
ER150	–	–	.78	4.25	–	–	–	15.50	–	4.50	–	–	1.00	49.6
						BM51								
–	SS2004	.88	1.31	–	–	–	1.28					.66		6.9
						BM55①								
–	SBS1972	1.13	1.88	–	–	–	1.28	–	–	–	–	.66	–	9.2
–	SBS3336	1.02	2.00	–	–	–	1.28	–	–	–	–	1.06	–	21.1
–	SS2004	.88	1.31	–	–	–	1.28	–	–	–	–	.66	–	6.9
						D2								
1535	–	2.97	–	–	–	–	–	1.25	–	.75	–	–	–	8.8
						D3								
–	SBS3336	3.54	–	–	–	–	–	1.44	–	.93	–	–	–	22.7
–	SBS2236	3.54	–	–	–	–	–	1.44	–	.90	–	–	–	21.0
						D4								
–	SBS2162	3.15	–	–	–	–	–	.88	–	75②	–	–	–	10.2
						D5								
4		2.97	–	–	–	–	–	2.00	–	.75	–	–	–	4.9
–	RS303	2.08	–	–	–	–	–	1.44	–	.50	–	–	–	2.2
–	RS4019	2.99	–	–	–	–	–	2.00	–	.75	–	–	–	5.1

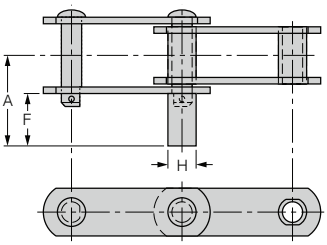
① Forged attachment sidebar on one side has slotted hole. Plain steel sidebar on opposite side.

② Steel slotted sidebars on both sides.

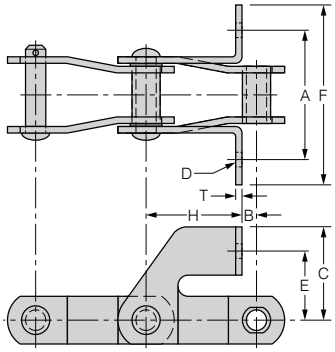
Note: Most attachments are thru-hardened.



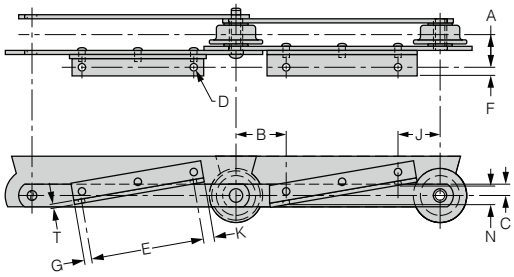
D6



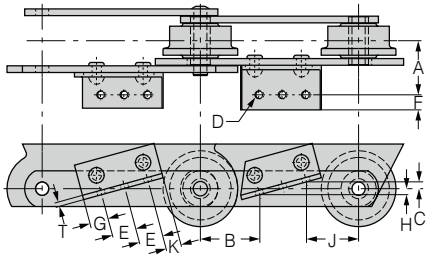
D7



F29



G2

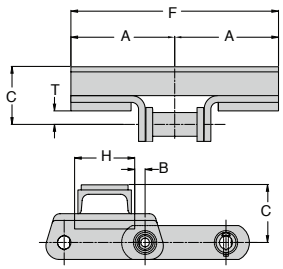


G3

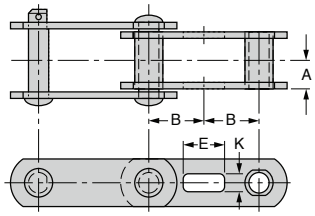
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
D6														
–	RS3013	2.39	–	–	–	–	–	1.50	–	.63	–	–	–	4.8
–	SS152	2.23	–	–	–	–	–	1.50	–	.50	–	–	–	2.4
D7														
–	SS152	2.23	–	–	–	–	–	1.50	–	.56	–	–	–	2.6
F29														
–	SBO2103	3.50	.63	2.68	3/8	.44	–	4.88	–	2.45	–	–	.25	8.0
G2														
–	SS922	3.03	3.34	.81	7/16	.47	2.75	.84	.63	–	3.03	.63	.25	22.4
–	SS933	3.16	3.25	1.03	7/16	.47	2.75	.84	.63	–	3.13	.63	.25	29.6
–	SS1233	3.16	3.94	1.69	5/8	.68	4.50	.84	1.69	–	3.69	1.69	.25	21.3
G3 This attachment made with high sidebars of 3.50 to 8 inches; weights are for 6-inch bars.														
FR922	–	3.03	3.38	.39	3/8	.41	1.38	.75	1.06	.33	2.97	.88	.25	22.4
ER1233	–	3.16	3.94	.63	7/16	.47	2.25	.84	1.69	.47	3.69	1.69	.25	21.3
FR1233	–	3.16	3.94	.63	3/8	.44	2.25	.84	1.69	.47	3.69	1.69	.25	21.3

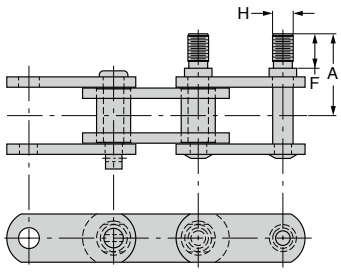
Note: Most attachments are thru-hardened.



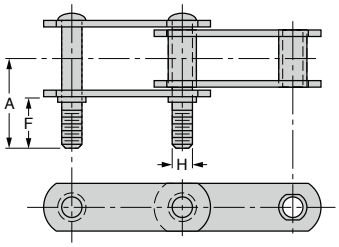
B155



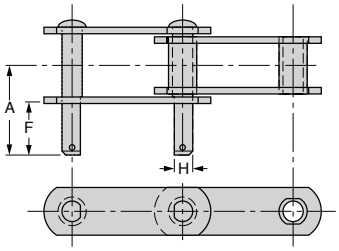
BM5, bm55



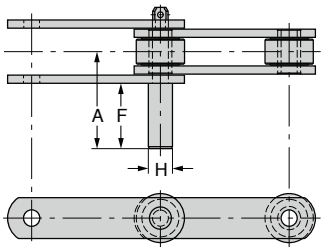
D2



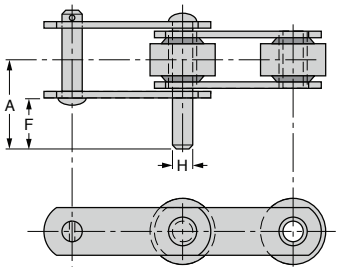
D3



D4



D5 Rexnord

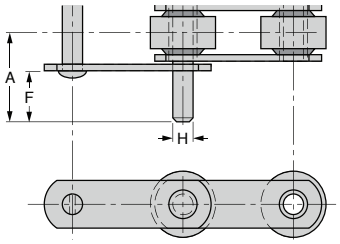


D5 Link-Belt

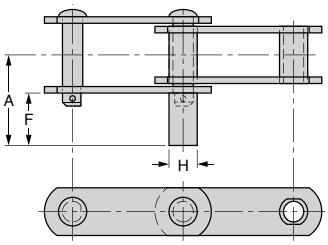
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
B155														
ER150	–	–	.78	4.25	–	–	–	15.50	–	4.50	–	–	1.00	49.6
BM51														
–	SS2004	.88	1.31	–	–	–	1.28					.66		6.9
BM55①														
–	SBS1972	1.13	1.88	–	–	–	1.28	–	–	–	–	.66	–	9.2
–	SBS3336	1.02	2.00	–	–	–	1.28	–	–	–	–	1.06	–	21.1
–	SS2004	.88	1.31	–	–	–	1.28	–	–	–	–	.66	–	6.9
D2														
1535	–	2.97	–	–	–	–	–	1.25	–	.75	–	–	–	8.8
D3														
–	SBS3336	3.54	–	–	–	–	–	1.44	–	.93	–	–	–	22.7
–	SBS2236	3.54	–	–	–	–	–	1.44	–	.90	–	–	–	21.0
D4														
–	SBS2162	3.15	–	–	–	–	–	.88	–	75②	–	–	–	10.2
D5														
4		2.97	–	–	–	–	–	2.00	–	.75	–	–	–	4.9
–	RS303	2.08	–	–	–	–	–	1.44	–	.50	–	–	–	2.2
–	RS4019	2.99	–	–	–	–	–	2.00	–	.75	–	–	–	5.1

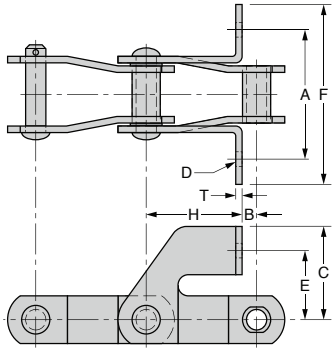
① Forged attachment sidebar on one side has slotted hole. Plain steel sidebar on opposite side.
② Steel slotted sidebars on both sides.
Note: Most attachments are thru-hardened.



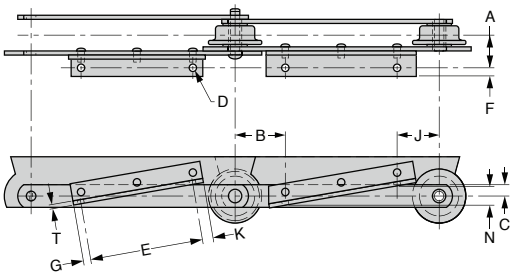
D6



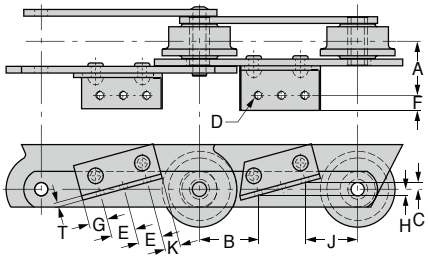
D7



F29



G2

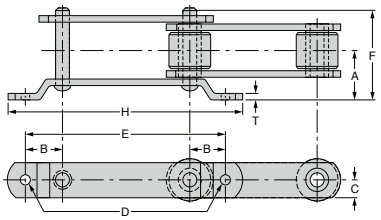


G3

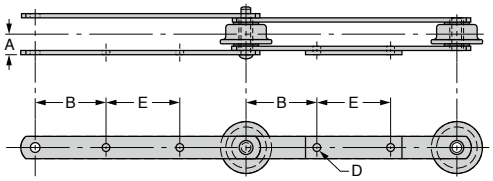
Dimensions are in inches. Weights are in pounds.

					Bolt Dia.	Bolt Hole	E	F	G	H	J	K	T	Wgt. Per Foot
							D6							
–	RS3013	2.39	–	–	–	–	–	1.50	–	.63	–	–	–	4.8
–	SS152	2.23	–	–	–	–	–	1.50	–	.50	–	–	–	2.4
							D7							
–	SS152	2.23	–	–	–	–	–	1.50	–	.56	–	–	–	2.6
							F29							
–	SBO2103	3.50	.63	2.68	3/8	.44	–	4.88	–	2.45	–	–	.25	8.0
							G2							
–	SS922	3.03	3.34	.81	7/16	.47	2.75	.84	.63	–	3.03	.63	.25	22.4
–	SS933	3.16	3.25	1.03	7/16	.47	2.75	.84	.63	–	3.13	.63	.25	29.6
–	SS1233	3.16	3.94	1.69	5/8	.68	4.50	.84	1.69	–	3.69	1.69	.25	21.3
							G3 This attachment made with high sidebars of 3.50 to 8 inches; weights are for 6-inch bars.							
FR922	–	3.03	3.38	.39	3/8	.41	1.38	.75	1.06	.33	2.97	.88	.25	22.4
ER1233	–	3.16	3.94	.63	7/16	.47	2.25	.84	1.69	.47	3.69	1.69	.25	21.3
FR1233	–	3.16	3.94	.63	3/8	.44	2.25	.84	1.69	.47	3.69	1.69	.25	21.3

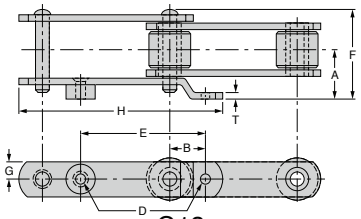
Note: Most attachments are thru-hardened.



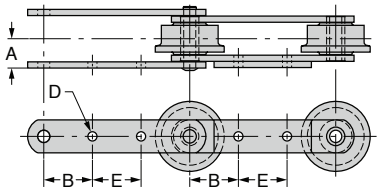
G5



G6



G12

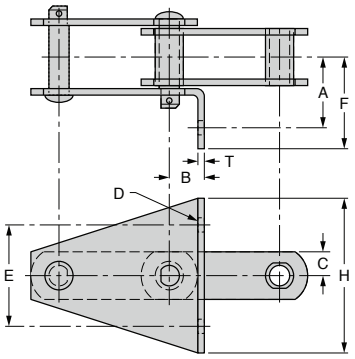


G16, G17, G18

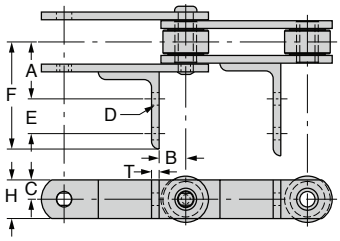
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
G5														
4004	–	3.34	2.50	1.25	5/8	.66	14.00	6.34	–	16.50	–	–	.50	18.5
R4009	–	3.03	2.50	1.25	5/8	.66	14.00	5.53	–	16.50	–	–	.38	14.7
4010	–	3.90	3.38	2.00	13/16	.84	18.75	7.38	–	21.25	–	–	.63	39.2
4065	–	3.94	2.50	1.75	5/8	.66	14.00	7.00	–	16.50	–	–	.63	38.6
G6														
–	RS911	1.39	3.13	–	7/16	.50	2.75	–	–	–	–	–	–	9.6
–	SS922	1.78	3.00	–	1/2	.53	3.00	–	–	–	–	–	–	13.9
–	SS927	1.78	3.00	–	1/2	.53	3.00	–	–	–	–	–	–	13.2
–	SS933	1.91	3.25	–	1/2	.53	2.50	–	–	–	–	–	–	18.1
–	SS1222	1.78	4.13	–	1/2	.53	3.75	–	–	–	–	–	–	11.6
–	SS1227	1.78	4.13	–	1/2	.53	3.75	–	–	–	–	–	–	11.8
–	SS1232	1.78	4.13	–	1/2	.53	3.75	–	–	–	–	–	–	13.0
–	SS1233	1.91	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	15.4
–	SS4038	1.59	4.13	–	1/2	.53	3.75	–	–	–	–	–	–	10.1
–	RS4850	1.88	4.13	–	3/4	.78①	3.75	–	–	–	–	–	–	16.4
G12														
–	RS4851	3.41	2.50	–	1/2	.56	9.00	5.53	1.25	13.82	–	–	.38	14.5
–	RS4852	3.86	2.50	–	5/8	.66	9.00	3.78	1.25	13.82	–	–	.50	18.0
G16 is called G6 by some manufacturers.														
ER911	–	1.41	2.63	–	1/2	.56	3.75	–	–	–	–	–	–	9.6
ER922	–	1.78	3.00	–	1/2	.56	3.00	–	–	–	–	–	–	13.2
FR922	–	1.78	3.00	–	1/2	.56	3.00	–	–	–	–	–	–	13.9
ER933	–	1.90	3.25	–	1/2	.56	2.50	–	–	–	–	–	–	18.1
FR933	–	1.90	3.25	–	1/2	.56	2.50	–	–	–	–	–	–	18.1
E1211	–	1.41	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	8.2
ER1222	–	1.78	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	11.8
FR1222	–	1.78	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	11.6
ER1233	–	1.90	4.12	–	5/8	.69	3.75	–	–	–	–	–	–	21.3
FR1233	–	1.90	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	15.4
ER1244	–	2.34	4.13	–	5/8	.69	3.75	–	–	–	–	–	–	23.2
FR1244	–	2.34	4.13	–	5/8	.69	3.75	–	–	–	–	–	–	23.2
ER1822	–	1.78	6.00	–	1/2	.56	6.00	–	–	–	–	–	–	10.1
FR1822	–	1.78	6.00	–	1/2	.56	6.00	–	–	–	–	–	–	9.9
F1833	–	1.90	6.00	–	1/2	.56	6.00	–	–	–	–	–	–	12.8
FR1844	–	2.34	6.00	–	1/2	.56	6.00	–	–	–	–	–	–	18.8
2348	–	1.90	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	16.4
G17														
ER1244	–	2.34	4.13	–	5/8	.69	3.75	–	–	–	–	–	–	23.2
FR1244	–	2.38	4.13	–	1/2	.56	3.75	–	–	–	–	–	–	21.5
G18														
FR922	–	1.78	3.13	–	1/2	.56	2.75	–	–	–	–	–	–	12.5

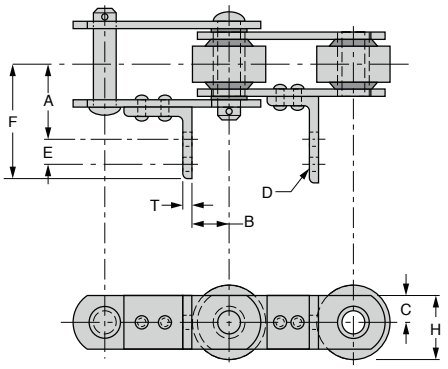
① Countersunk head for inside sidebar.
Note: Most attachments are thru-hardened.



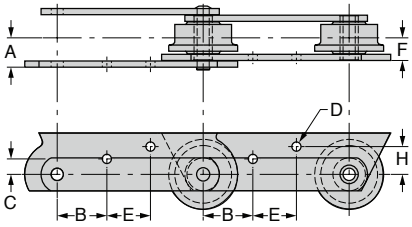
G19



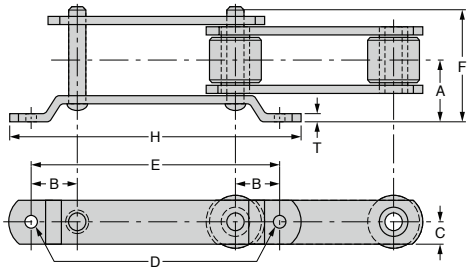
G29 Rexnord



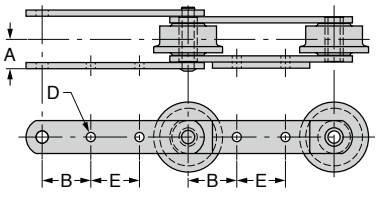
G29 Link-Belt



G33



G100

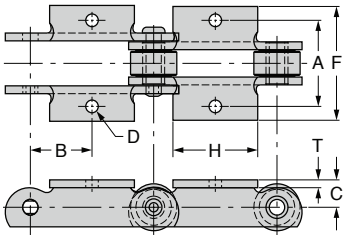


G116, G117

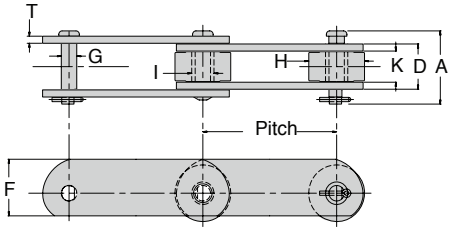
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
G19														
–	SS1222	2.78	2.63	–	1/2	.53	3.50	3.78	–	5.50	–	–	.25	13.9
–	RS4328	2.63	2.50	–	1/2	.53	3.25	3.26	–	2.50	–	–	.38	14.1
–	SBS102B	3.00	1.50	–	1/2	.53	3.25	3.62	–	4.50	–	–	.38	8.9
–	SBS188	2.19	.94	–	3/8	.41	2.63	2.64	–	3.75	–	–	.25	7.5
G29 made also for inner (roller) link; “F” is 3.69".														
4	–	1.84	.88	.63	3/8	.41	1.13	3.47	–	1.25	–	–	.25	5.3
G29														
RS4019	–	1.84	3.13	.63	3/8	.44	1.13	3.70	–	1.38	–	–	.25	5.4
G33 weights are for 6-inch bars.														
FR922	–	1.78	3.06	.94	1/2	.56	2.69	1.38	–	1.69	–	–	–	22.4
ER933	–	1.90	3.06	.94	1/2	.56	2.69	1.50	–	1.69	–	–	–	25.2
FR933	–	1.90	3.06	.94	1/2	.56	2.69	1.50	–	1.69	–	–	–	25.2
G100														
–	RS4065	3.94	2.50	1.50	5/8	.69	14.00	7.44	–	–	–	–	.50	41.0
–	RS4851	3.03	2.50	1.25	5/8	.69	14.00	5.44	–	–	–	–	.38	14.7
–	RS4852	3.34	2.50	1.25	5/8	.69	14.00	6.21	–	–	–	–	.50	18.3
G116														
4011	–	1.88	4.13	–	3/4①	.81	3.75	–	–	–	–	–	–	12.6
G117														
ER1244	–	2.38	4.13	–	1/2①	.56	3.75	–	–	–	–	–	–	21.5
FR1244	–	2.38	4.13	–	1/2①	.56	3.75	–	–	–	–	–	–	21.5
R1251	–	2.00	3.00	–	1/2①	.56	4.00	–	–	–	–	–	–	9.8
R1706	–	2.56	3.00	–	1/2①	.56	4.00	–	–	–	–	–	–	13.9

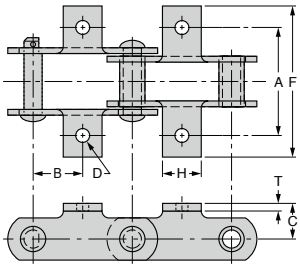
① Block links only.
Note: Most attachments are thru-hardened.



K1 Rexnord



H



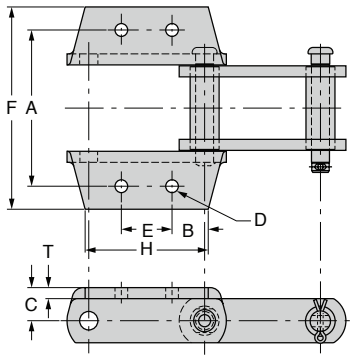
K1 Link-Belt

Dimensions are in inches. Weights are in pounds.

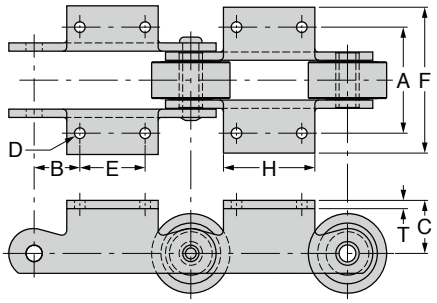
Rexnord Chain No.	Link-Belt Chain No.	Average Pitch	A	D	E	F	G	H	I	K	T	Wgt. Per Foot
					H							
1617	–	6.000	3.24	2.69	1.38	2.50	0.69	2.50	1.00	–	0.31	–
1695	–	6.000	3.77	2.95	1.30	3.00	0.87	2.50	1.25	–	0.38	–

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
						K1								
4	–	2.75	2.00	.88	3/8	.41	–	3.81	–	2.75	–	–	.25	5.3
SR1831	–	2.94	1.50	.81	5/16	.34	–	4.03	–	2.00	–	–	.19	4.9
S188	–	3.75	1.31	.81	3/8	.41	–	5.12	–	2.12	–	–	.25	5.1
SR1881	–	3.44	2.00	1.00	3/8	.41	–	5.13	–	3.38	–	–	.19	5.9
SR1941	–	4.00	2.00	1.13	3/8	.41	–	5.25	–	3.25	–	–	.19	7.3
SR1961	–	4.00	3.00	1.25	3/8	.41	–	5.66	–	3.50	–	–	.25	7.5
RR432	–	2.75	.83	.81	1/4	.28	–	3.56	–	1.00	–	–	.19	5.7
RR588	–	3.88	1.31	.88	5/16	.34	–	5.66	–	2.13	–	–	.25	4.3
589	–	4.31	1.753	1.25	1/2	.56	–	6.38	–	2.00	–	–	.38	11.8
RR778	–	3.88	1.31	.88	5/16	.34	–	5.28	–	2.13	–	–	.19	3.0
RR1120	–	2.75	2.00	.81	3/8	.41	–	4.03	–	2.50	–	–	.19	4.0
C1288	–	3.00	1.30	.81	3/8	.41	–	4.81	–	2.13	–	–	.16	3.7
1539	–	3.75	1.53	1.25	1/2	.56	–	5.16	–	3.00	–	–	.31	9.0
2188	–	3.38	2.00	1.00	3/8	.41	–	5.44	–	2.75	–	–	.31	8.8
5208	–	6.88	3.00	1.25	3/4	.81	–	9.00	–	2.00	–	–	.38	12.6
68261	–	6.00	3.00	1.63	1/2	.56	–	7.19	–	3.88	–	–	.38	15.3
–	RS625	2.38	.83	.69	1/4	.31	–	3.44	–	.88	–	–	.13	3.4
–	RS627	2.75	.83	.81	1/4	.28	–	3.81	–	1.00	–	–	.19	5.7
–	RS944+	4.75	2.50	1.63	5/8	.69	–	6.48	–	2.50	–	–	.38	11.5
–	RS1539	3.75	1.53	1.25	1/2	.56	–	5.05	–	2.75	–	–	.31	9.0
–	RS2188	3.63	2.00	1.00	1/2	.56	–	5.33	–	3.00	–	–	.31	8.8
–	RS3013	2.94	1.50	.81	5/16	.34	–	3.79	–	2.00	–	–	.19	5.1
–	S4013	2.75	2.00	.81	3/8	.41	–	3.81	–	2.50	–	–	.19	4.4
–	S4019	2.75	2.00	.88	3/8	.41	–	4.83	–	2.50	–	–	.25	5.4
–	RS4113	3.44	2.00	1.00	3/8	.41	–	4.62	–	2.50	–	–	.19	5.2
–	S4216	4.00	2.00	1.13	3/8	.41	–	5.24	–	3.38	–	–	.19	6.3
–	RS4328	4.00	2.00	1.25	1/2	.56	–	5.75	–	2.00	–	–	.38	11.7
–	SBS188	3.75	2.00	.81	3/8	.44	–	5.16	–	2.13	–	–	.25	5.1

Notes: Most attachments are thru-hardened.
A1/A2 and K1/K2 attachments may be combined on the same side bar.
"+" sign denotes "plus".



K2 for ER102B, ER102.5, ER111, ER111SP, SR830, and ER833

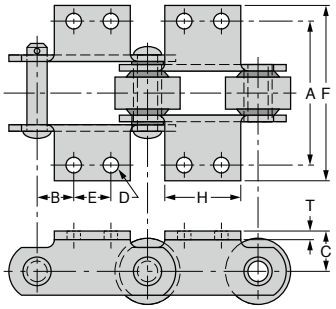


K2 for All Others

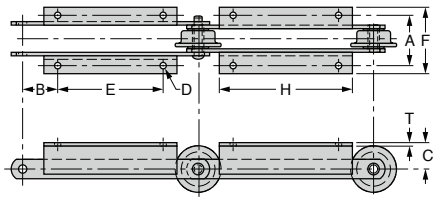
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
K2 made also for chain with offset sidebars.														
4	–	2.75	1.25	.88	3/8	.41	1.50	3.81	–	2.75	–	–	.25	5.3
6	–	4.25	1.69	1.63	1/2	.56	2.63	5.69	–	5.50	–	–	.38	15.0
ER102B①	–	5.31	1.13	1.13	3/8	.41	1.75	6.94	–	4.25	–	–	.38	9.0
ER102.5①	–	5.31	1.16	1.13	3/8	.41	1.75	6.78	–	4.56	–	–	.38	13.4
ER111 ①	–	6.25	1.22	1.50	3/8	.41	2.31	7.88	–	5.22	–	–	.38	15.2
ER111Sp①	–	6.25	1.22	1.50	3/8	.41	2.31	7.88	–	3.63	–	–	.38	13.0
ER150	–	7.50	1.66	1.88	1/2	.56	2.75	9.81	–	4.25	–	–	.50	23.0
SR183	–	3.13	.97	.81	1/4	.28	1.06	4.00	–	2.00	–	–	.19	4.9
S188	–	4.19	.67	.81	5/16	.34	1.25	5.13	–	2.13	–	–	.25	5.8
SR188	–	4.00	.75⑤	1.00	3/8	.41	2.00 ⑤	5.03	–	3.38	–	–	.19	5.9
SR194	–	4.00	1.00	1.13	3/8	.41	2.00	5.25	–	3.25	–	–	.19	7.3
SR196	–	4.00	2.00	1.25	3/8	.41	2.00	5.66	–	3.50	–	–	.25	7.5
S823②	–	5.25	1.44⑤	1.06	3/8	.41	1.69	6.88	–	2.75	–	–	.25	7.3
SR825②	–	6.00	.50	1.19	1/2	.56	2.63	8.88	–	3.75	–	–	.38	16.0
SR830④	–	6.00	1.69	1.19	1/2	.56	2.63	7.66	–	6.34	–	–	.38	12.3
ER833①	–	6.25	1.84	1.88	1/2	.56	2.31	8.13	–	6.94	–	–	.38	20.2
SR844②	–	6 & 4.9	1.56	1.19	1/2	.56	2.75	7.50	–	4.00	–	–	.50	14.9
ER911	–	5.13	2.75	1.75	1/2	.56	3.50	7.13	–	5.50	–	–	.25	12.7
ER922	–	5.75	2.75	2.50	1/2	.56	3.50	7.56	–	5.50	–	–	.25	16.0
FR922	–	5.75	2.75	2.50	1/2	.56	3.50	7.75	–	5.50	–	–	.25	16.6
ER933	–	6.50	2.75	3.00	9/16	.62	3.50	8.00	–	5.50	–	–	.38	25.2
FR933	–	6.00	2.75	2.88	1/2	.56	3.50	7.81	–	5.50	–	–	.31	22.3
S951	–	4.38	2.00	1.63	3/8	.41	2.00	6.31	–	3.50	–	–	.38	14.7
SR1114	–	4.00	2.00	1.13	3/8	.41	2.00	5.38	–	3.50	–	–	.31	10.7
RS1131	–	6.00	1.69	1.63	1/2	.56	2.63	7.38	–	4.50	–	–	.38	18.4
1539 ①	–	4.00	.59	1.25	5/16	.34	1.88	5.16	–	3.00	–	–	.31	9.0
C2124③	–	4.38	1.50	1.63	1/2	.56	3.00	5.25	–	4.50	–	–	.38	15.8
A2124③	–	4.38	1.50	1.63	1/2	.56	3.00	5.25	–	4.50	–	–	.38	15.8
2126	–	4.00	2.00	1.13	3/8	.41	2.00	6.06	–	3.50	–	–	.25	7.0
A2178 ③	–	4.38	1.50	1.63	1/2	.56	3.00	5.62	–	4.50	–	–	.38	15.3
2180	–	4.75	2.00	1.63	1/2	.56	2.00	6.22	–	3.50	–	–	.38	11.7
2188	–	3.63	1.13	1.00	1/2	.56	1.75	5.44	–	2.75	–	–	.31	8.8
A2198	–	4.38	1.50	1.63	1/2	.56	3.00	6.00	–	4.50	–	–	.50	18.2
2858④	–	5.38	1.16	2.00	5/8	.69	1.75	6.75	–	6.38	–	–	.38	18.0
A2868	–	5.50	1.13	1.63	1/2 ⑤	.56	1.75	7.00	–	5.75	–	–	.38	14.1
3285④	–	6.50	1.00	2.06	3/4	.81	2.50	8.25	–	7.00	–	–	.50	40.0
3420	–	4.13	1.27	1.25	3/8	.41	1.50	6.13	–	2.75	–	–	.31	11.0
6826	–	6.00	1.69	1.63	1/2	.56	2.63	7.19	–	3.88	–	–	.38	15.3
7539④	–	4.13	.81	1.13	1/2	.56	1.50	5.78	–	4.72	–	–	.31	21.0

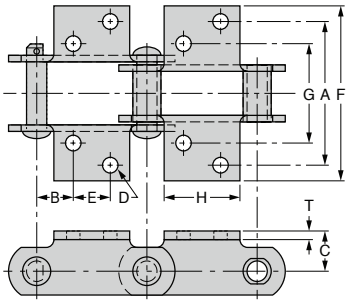
① A1/A2 and K1/K2 attachments may be combined on the same side bar.
② Full width attachment cannot be coupled consecutively.
③ These chains have offset sidebars.
④ Lower edge of sidebar is necked.
⑤ Not Central.



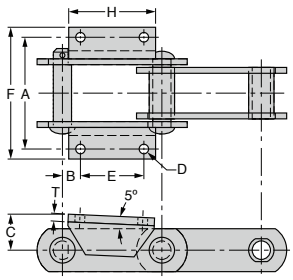
K2 Figure 1



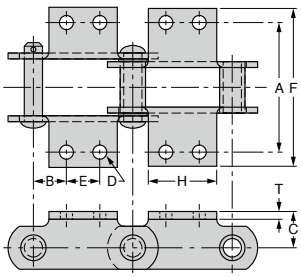
K2 Figure 2



K2 Figure 3



K2 Figure 4

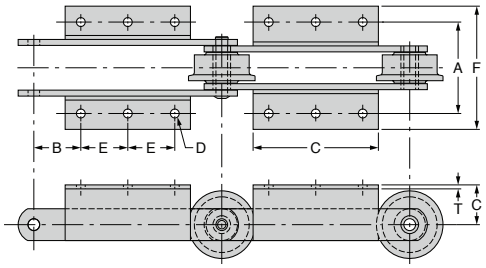


K2 Figure 5

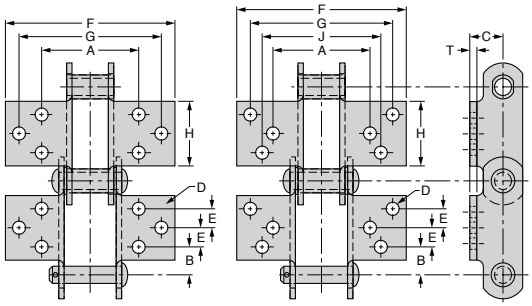
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D Bolt Dia.	D Bolt Hole	E	F	G	H	J	K	T	Wgt. Per Foot
					K2 Figure 1									
–	RS658	5.25	1.50	2.50	3/8	.44	3.00	6.83	–	4.38	–	–	.31	14.9
–	RS886	4.19	.67	.81	5/16	.34	1.25	5.40	–	2.13	–	–	.19	4.6
–	RS887	4.19	.67	.88	5/16	.38	1.25	5.10	–	2.13	–	–	.25	5.6
–	S951	4.38	2.00	1.63	3/8	.44	2.00	5.80	–	4.13	–	–	.31	14.3
–	S960	4.38	1.50	1.63	1/2	.56	3.00	6.04	–	4.38	–	–	.50	18.2
–	S996	4.38	1.50	1.63	1/2	.56	3.00	5.72	–	5.50	–	–	.38	15.8
–	S1113	4.12	1.27	1.25	3/8	.41	1.50	5.55	–	2.50	–	–	.31	11.0
–	RS1114	4.00	2.00	1.13	3/8	.41	2.00	5.69	–	3.50	–	–	.31	10.7
–	RS1116	4.00	2.00	1.13	3/8	.44	2.00	5.38	–	2.88	–	–	.25	7.0
–	RS1131	6.00	1.69	1.63	1/2	.56	2.63	7.38	–	5.50	–	–	.38	18.4
–	RS1539	3.97	.60	1.25	5/16	.34	1.88	5.13	–	2.75	–	–	.31	9.0
–	S1796	4.38	1.50	1.63	1/2	.56	3.00	5.73	–	4.38	–	–	.38	15.3
–	RS2047	4.38	1.50	1.75	1/2	.53	3.00	6.70	–	4.38	–	–	.38	32.0
–	RS2188	3.62	1.13	1.00	1/2	.56	1.75	5.33	–	3.00	–	–	.31	8.8
–	S4013	2.75	1.41	.81	5/16	.34	1.19	3.81	–	2.50	–	–	.19	4.4
–	RS4019	2.75	1.25	.88	3/8	.41	1.50	3.77	–	2.50	–	–	.25	5.3
–	RS6018	4.00	2.00	1.25	3/8	.44	2.00	5.23	–	3.00	–	–	.25	6.2
–	RS6238	4.25	1.69	1.63	1/2	.56	2.63	5.75	–	5.50	–	–	.38	15.8
					K2 Figure 2									
–	RS911	5.13	2.75	1.75	1/2	.53	3.50	7.13	–	5.50	–	–	.25	12.7
–	SS922	5.75	2.75	2.50	1/2	.53	3.50	7.75	–	5.50	–	–	.25	16.6
–	SS927	5.75	2.75	2.50	1/2	.53	3.50	7.75	–	5.50	–	–	.25	16.0
–	SS933	6.00	2.75	2.88	1/2	.53	3.50	8.82	–	5.50	–	–	.31	22.3
–	S1211	5.13	3.00	1.75	1/2	.53	6.00	7.13	–	8.00	–	–	.25	11.7
–	SS1222	5.75	3.00	2.50	1/2	.53	6.00	7.75	–	8.00	–	–	.25	15.2
–	SS1233	6.00	3.00	2.88	1/2	.53	6.00	8.82	–	8.00	–	–	.31	20.3
					K2 Figure 3									
–	SBS844	6.00	1.63	1.50	1/2	.56	2.75	8.00	–	4.00	–	–	.50	14.9
					K2 Figure 4									
–	SBS4871	8.00	1.48	2.00	3/4	.81	6.00	10.44	–	8.00	–	–	.38	20.2
					K2 Figure 5									
–	SBS102B	5.32	1.13	1.00	3/8	.41	1.75	6.76	–	2.85	–	–	.38	9.0
–	SBS110	5.32	2.13	1.00	3/8	.41	1.75	7.07	–	2.88	–	–	.38	8.6
–	SBS111	6.25	1.22	1.50	1/2	.53	2.31	8.28	–	3.62	–	–	.38	15.2
–	SBS131	4.12	.79	1.00	1/2	.53	1.50	5.44	–	2.62	–	–	.38	10.2
–	SBS150+	7.50	1.65	1.88	1/2	.53	2.75	10.06	–	4.25	–	–	.50	23.0
–	SBS188	4.19	.68	.81	5/16	.34	1.25	5.22	–	2.13	–	–	.25	5.8
–	SBX856	6.31	1.88	1.88	1/2	.53	2.25	9.27	–	4.25	–	–	.50	23.0

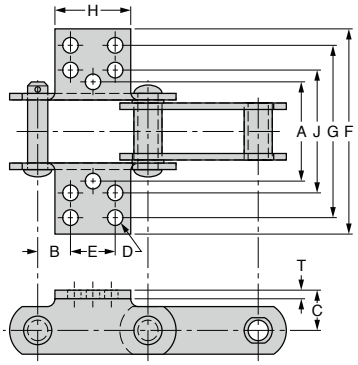
Notes: Most attachments are thru-hardened.
"+" denotes "plus".



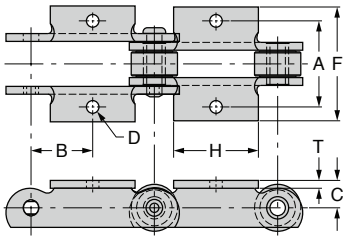
K3 Rexnord



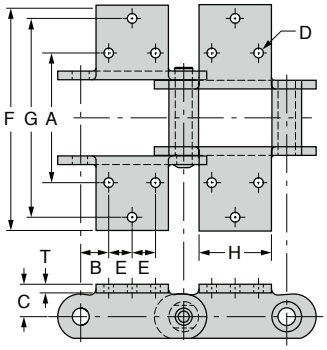
K3 Link-Belt



K6



K3 on RS856 and SX150

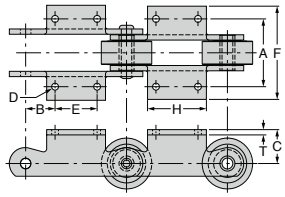


K11 and K17

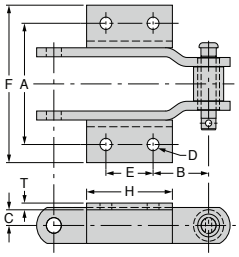
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
K3														
ER150	–	7.50	1.66	1.88	1/2	.56	1.38	13.06	11.50	4.25	–	–	.50	26.2
ER856	–	6.56	1.63	1.88	1/2	.56	1.38	13.56	10.94	5.84	–	–	.50	26.9
E1211	–	5.13	3.00	1.75	1/2	.56	3.00	7.13	–	8.00	–	–	.25	11.7
ER1222	–	5.75	3.00	2.50	1/2	.56	3.00	7.75	–	8.00	–	–	.25	15.4
FR1222	–	5.75	3.00	2.50	1/2	.56	3.00	7.75	–	8.00	–	–	.25	15.2
ER1233	–	6.50	3.00	3.00	1/2	.56	3.00	9.00	–	8.00	–	–	.31	20.3
FR1233	–	6.50	3.00	3.00	1/2	.56	3.00	9.00	–	8.00	–	–	.31	20.3
ER1244	–	7.50	3.00	3.63	1/2	.56	3.00	9.75	–	8.00	–	–	.38	30.4
FR1244	–	7.50	3.00	3.63	1/2	.56	3.00	9.75	–	8.00	–	–	.38	30.4
FR1822	–	5.75	3.50	2.50	1/2	.56	5.50	7.75	–	14.00	–	–	.25	14.1
FR1844	–	7.50	3.50	3.63	1/2	.56	5.50	10.69	–	14.00	–	–	.38	29.0
–	SBS150+	7.50	1.65	1.88	1/2	.56	1.34	13.59	11.50	4.25	–	–	.50	26.9
–	SBX856	6.56	1.63	1.88	1/2	.56	1.38	13.27	12.06	4.25	10.98	–	.50	27.3
K6														
–	SBX 856	6.56	1.62	1.88	1/2	.56	2.76	10.94	10.94	4.25	6.94	–	.50	27.3
K11														
BR2111	–	4.75	3.50	1.63	5/8	.69	–	6.88	–	3.00	–	–	.38	9.58
K17														
531	–	4.00	2.00	1.31	1/2	.56	–	5.44	–	1.50	–	–	.38	10.6

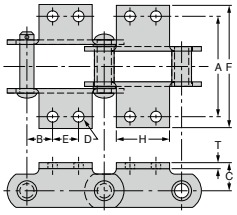
Notes: Most attachments are thru-hardened.
Full width attachment cannot be coupled consecutively.
"+" sign denotes "plus".



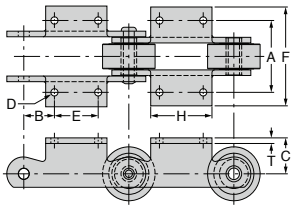
K24 Rexnord
K20, K22, K23, K25



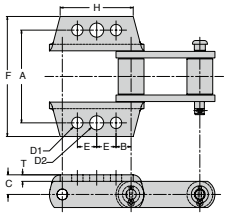
K21



K24
Link-Belt



K26, K27
and K32

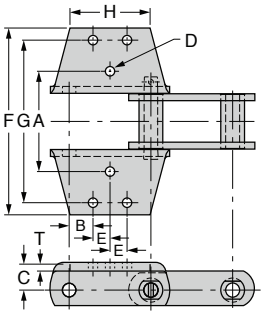


K33

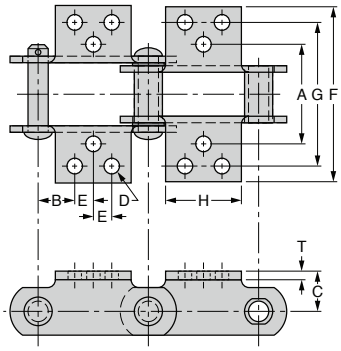
Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
						K20								
2183	–	4.00	1.75	2.00	3/8	.41	2.50	5.69	–	3.50	–	–	.31	13.7
F2183	–	4.00	1.75	2.00	3/8	.41	2.50	5.69	–	3.50	–	–	.31	14.9
						K21								
R2342	–	6.75	3.13	1.25	5/8	.69	2.75	8.38	–	5.00	–	–	.38	15.8
						K22								
ER102.5	–	5.31	1.14	1.13	1/2	.56	1.75	6.78	–	4.56	–	–	.38	14.5
ER102B	–	5.31	1.13	1.13	1/2	.56	1.75	6.94	–	4.25	–	–	.38	9.0
ER111	–	6.25	1.22	1.50	1/2	.56	2.31	7.69	–	5.22	–	–	.38	15.2
RR542	–	5.38	2.13	1.00	1/2	.56	1.75	6.81	–	7.50	–	–	.31	6.5
S188	–	3.63	.69	.81	5/16	.34	1.25	5.13	–	2.13	–	–	.25	5.8
ER833	–	5.75	1.25	1.88	1/2	.56	3.50	7.19	–	7.44	–	–	.38	20.2
A2800	–	5.19	2.38	2.19	5/8	.69	3.25	7.18	–	5.00	–	–	.50	26.2
						K23								
ER856	–	6.31	1.88	1.88	1/2	.56	2.25	9.50	–	6.91	–	–	.50	21.0
						K24								
ER856	–	7.25	1.75	1.88	5/8	.69	2.50	9.38	–	6.91	–	–	.50	27.5
ER956	–	7.25	1.75	1.88	5/8	.69	2.50	9.50	–	6.91	–	–	.50	29.0
1670	–	4.06	2.00	1.38	3/8	.41	2.00	5.31	–	3.50	–	–	.31	11.2
C2848	–	5.38	1.13	2.00	5/8	.69	1.75	7.13	–	6.06	–	–	.38	15.3
3285	–	6.50	1.00	2.06	3/4	.81	2.50	8.25	–	7.00	–	–	.50	23.0
A4539	–	4.13	.78	1.13	1/2	.56	1.50	5.53	–	4.56	–	–	.31	10.0
–	SBX856	7.25	1.75	1.88	5/8	.69	2.50	9.27	–	4.25	–	–	.50	23.0
						K25								
ER110	–	5.31	2.13	1.13	3/8	.41	1.75	6.44	–	3.50	–	–	.38	8.6
ER131	–	4.13	.78	1.13	1/2	.56	1.50	5.59	–	2.50	–	–	.38	10.2
ER922	–	5.75	3.00	1.63	1/2	.56	3.00	7.56	–	5.00	–	–	.25	14.9
A2124①	–	4.88	1.75	1.63	1/2	.56	2.50	6.50	–	4.50	–	–	.38	16.8
A2178①	–	4.88	1.75	1.63	1/2	.56	2.50	6.50	–	4.50	–	–	.38	16.3
A2198①	–	4.88	1.75	1.63	1/2	.56	2.50	6.50	–	4.50	–	–	.50	19.2
						K26								
ER3433②	–	5.31	1.13	1.13	1/2	.56	1.75	6.94	–	4.25	–	–	.38	11.1
						K27								
ER833	–	6.00	1.69	1.88	1/2	.56	2.63	6.13	–	7.16	–	–	.38	20.2
						K32								
R2823	–	5.25	.06	1.00	3/8	.41	1.69	6.25	–	2.75	–	–	.25	5.9
						K33								
ER3433	–	5.31	.88	1.13	13/16	.66	1.13	6.88	–	4.25	–	–	.38	11.1

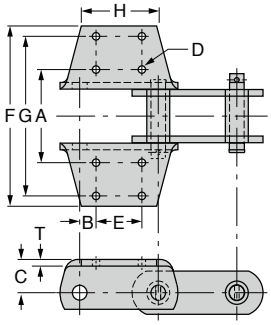
① Full width attachment cannot be coupled consecutively.
② Lower edge of sidebar is necked.
Notes: Most attachments are thru-hardened.
Full width attachment on outside only.



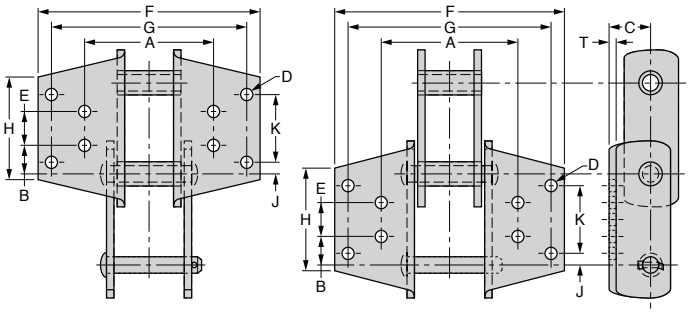
K35 Rexnord



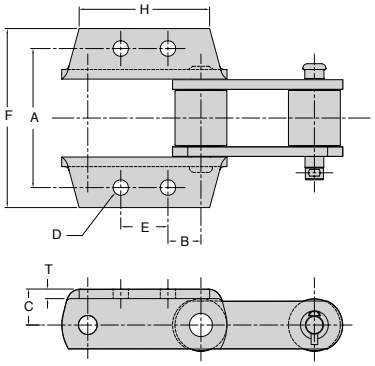
K35 Link-Belt



K44 Rexnord
for ER857 and ER958



K44 Rexnord for ER859

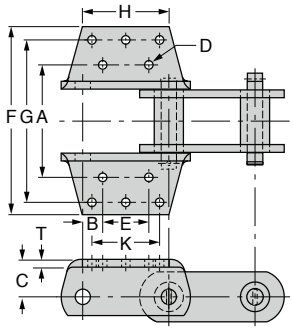


K44 Rexnord for B9856

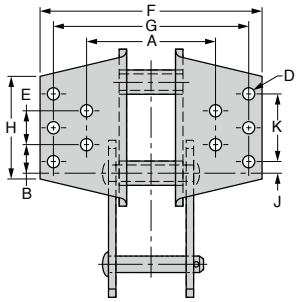
Dimensions are in inches. Weights are in pounds.

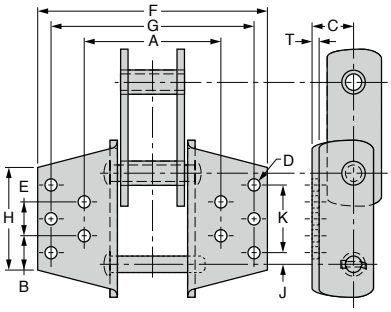
Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
K35														
ER856	–	7.25	1.75	1.88	5/8	.69	1.25	13.56	11.75	5.84	–	–	.50	26.9
–	SBX856	7.50	1.75	1.88	5/8	.69	1.25	13.27	11.75	4.25	–	–	.50	27.3
8 Holes – K44														
ER857	–	7.00	1.25	2.50	1/2	.56	3.50	14.00	12.00	5.50	1.25	3.50	.50	38.0
ER859	–	9.00	1.63	3.00	5/8	.69	2.75	15.00	13.00	5.92	.75	4.50	.63	59.0
ER958	–	7.00	1.25	2.50	1/2	.56	3.50	13.68	12.00	5.75	1.25	3.50	.50	40.0
K44														
–	SBX2857	7.00	1.25	2.50	1/2	.56	3.50	13.50	12.00	5.31	1.25	–	.50	42.0
–	SBX2859	9.00	1.63	3.00	5/8	.69	2.75	14.82	13.00	5.87	.75	4.51	.63	59.3
B9856	–	7.25	1.75	1.88	13/16	.93	2.50	9.50	–	6.00	–	–	.63	59.0

Notes: Most attachments are thru-hardened.
Full width attachment cannot be coupled consecutively.

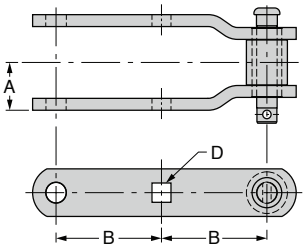


K443 Rexnord

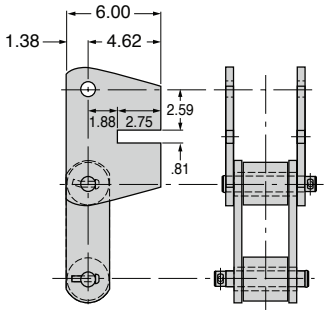




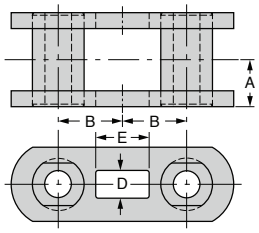
K443 Link-Belt



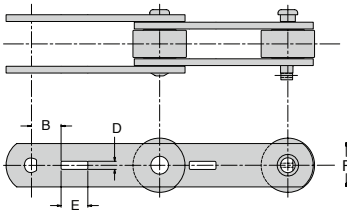
M14



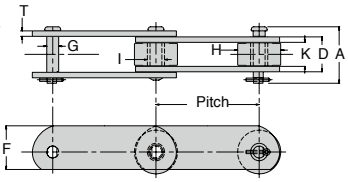
M2



M6



MM1



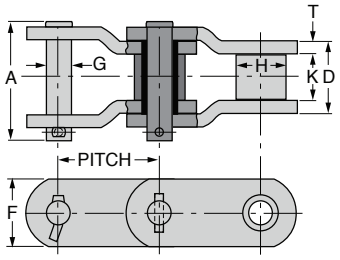
M3 & M4

Dimensions are in inches. Weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No.	Average Pitch	A	D	E	F	G	H	I	K	T	Wgt. Per Foot
						M3, M4						
SR183	–	3.000	2.24	1.82	0.97	1.50	0.44	1.50	0.62	–	0.19	–
SR194	–	4.000	2.45	1.78	1.16	2.00	0.44	2.00	0.63	–	0.19	–

Rexnord Chain No.	Link-Belt Chain No.	A	B	C	D		E	F	G	H	J	K	T	Wgt. Per Foot
					Bolt Dia.	Bolt Hole								
						10 Holes – K443								
ER864	–	9.00	1.63	3.00	5/8	.69	3.75	15.00	13.00	7.00	.75	5.50	.63	55.0
ER984	–	9.00	1.62	3.00	5/8	.69	3.75	14.88	13.00	7.32	.75	5.50	.62	58.0
						K443								
–	SBX2864	9.00	1.63	3.00	5/8	.69	3.75	15.04	13.00	6.88	.75	5.50	.63	56.7
						M2								
C9856	–	Refer to Drawing for Dimensions												
						MM1								
404	–	1.23	4.00	–	–	–	1.32	–	–	–	–	0.29	–	–
415	–	1.50	6.00	–	–	–	1.62	–	–	–	–	0.04	–	–
						M6/M06								
270	–	.88	1.31	–	21/32	Slots	1.28	–	–	–	–	–	–	6.4
1536	–	1.11	1.53	–	21/32	Slots	1.28	–	–	–	–	–	–	8.7
7774	–	.88	1.30	–	21/32	Slots	1.28	–	–	–	–	–	–	6.8
						M14								
1036	–	1.39	3.00	–	9/16①	Slots	–	–	–	–	–	–	–	4.7
1039	–	1.39	4.50	–	9/16①	Slots	–	–	–	–	–	–	–	4.2
R2342	–	2.00	4.50	–	3/4 ①	Slots	–	–	–	–	–	–	–	9.0
RR2397	–	1.90	6.00	–	7/8 ①	Slots	–	–	–	–	–	–	–	9.3
R2405	–	2.00	4.50	–	7/8 ①	Slots	–	–	–	–	–	–	–	9.4
R2614	–	2.66	6.00	–	1 1/4①	Slots	–	–	–	–	–	–	–	23.4

① Full width attachment on outside only.
Note: Most attachments are thru-hardened.



OFFSET

Properties

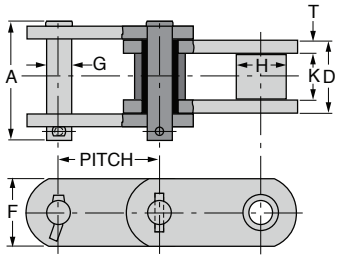
TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened

Dimensions are in inches. Strengths, loads and weights are in pounds.

Rexnord Chain No.	Link-Belt Chain No. ①	Average Pitch	Rated Working Load	Minimum Ultimate Strength, Lbs. x 10^3	Over-All Width	Bushing Length ②	Sidebars ③		Pins		Roller Diameter ④	Between Sidebars	Average Weight Per Foot	Sprocket Unit No. ⑤
							Thickness	Height	Diam.	Properties				
					A	D	T	F	G		H	K		
Offset Sidebar Drive Chains														
R362	ROA620	1.654	1,650	14	2.03	1.25	0.13	1.13	0.38	CARB	0.88	0.97	2.0	62
R432	ROA622	1.654	2,100	19	2.28	1.38	0.19	1.13	0.44	TH	0.88	0.97	3.5	62
R3112	–	2.000	3,400	38	2.91	1.75	0.25	1.63	0.56	TH	1.13	1.22	6.4	3112
B3113	ROA3160S	2.000	3,900	44	3.13	1.88	0.31	1.63	0.59	TH	1.13	1.19	7.3	3112
R506	RO770 ⑥	2.300	1,600	10	2.09	1.25	0.16	1.00	0.38	CARB	0.75	0.88	2.2	506
R514	ROA2010	2.500	4,650	57	3.50	2.13	0.31	1.63	0.63	SIH	1.25	1.44	7.8	514
A520	–	2.563	2,700	24	2.69	1.56	0.25	1.25	0.50	CARB	1.13	1.00	4.5	520
B578	RO578 ⑥	2.609	1,800	10	2.27	1.38	0.16	1.00	0.38	CARB	0.88	1.03	2.3	78
R778	ROA881	2.609	2,300	18	2.41	1.50	0.19	1.13	0.44	CARB	0.88	1.06	2.3	78
R588	ROA882	2.609	2,450	19	2.67	1.63	0.25	1.13	0.44	CARB	0.88	1.06	3.8	78
B508H	–	2.620	2,400	19	2.63	1.56	0.25	1.13	0.44	CARB	1.00	1.06	3.8	508
AX1568	ROA2512	3.067	6,000	77	3.90	2.31	0.38	2.25	0.75	SIH	1.63	1.50	12.1	1568
1030	ROA40	3.075	4,650	27	3.50	2.13	0.31	1.50	0.63	CARB	1.25	1.44	6.8	1030
R1033	ROA1031	3.075	4,650	39	3.50	2.13	0.31	1.50	0.63	SIH	1.25	1.44	6.8	1030
R1035	ROA1032	3.075	4,650	52	3.50	2.13	0.31	1.63	0.63	SIH	1.25	1.44	7.2	1030
R1037	ROA40 Hyper	3.075	5,100	57	3.75	2.25	0.38	1.75	0.65	SIH	1.25	1.44	8.6	1030
Champ. 3	–	3.075	5,100	57	3.85	2.25	0.38	1.69	0.65	SIH	1.25	1.44	8.3	1030
R0-6706	–	3.075	9,000	60	4.55	2.94	0.38	2.00	0.88	CIH	1.75	2.19	14.0	R06706
3125	ROA3125 Hyper	3.125	6,600	84	4.00	2.38	0.38	2.25	0.80	SIH	1.63	1.56	12.3	3125
3125-2	ROA3125-2 Hyper	3.125	13,200	168	7.19	2.38	0.38	2.25	0.80	TH	1.63	1.56	24.6	D31
RX238	ROA2814	3.500	7,600	106	4.50	2.50	0.50	2.25	0.88	SIH	1.75	1.44	15.8	238
AX1338	–	3.625	9,200	124	4.98	2.81	0.56	2.50	0.94	SIH	2.13	1.63	20.6	AX1338
R0-6214	–	4.000	16,400	125	5.68	3.75	0.50	2.75	1.25	SIH	2.25	2.75	25.0	R06214
A1236	–	4.063	6,000	73	3.91	2.31	0.38	2.00	0.75	SIH	1.75	1.56	10.4	A1236
1240	ROA124	4.063	9,000	51	4.88	2.94	0.50	2.00	0.88	CIH	1.75	1.88	12.3	1240
1244	–	4.063	9,000	91	4.88	2.94	0.50	2.13	0.88	SIH	1.75	1.88	13.0	1240
R1248	ROA1242	4.063	9,000	102	4.88	2.94	0.50	2.25	0.88	SIH	1.75	1.88	15.7	1240
RX1245	ROA3315	4.073	10,000	124	5.19	3.06	0.56	2.38	0.94	SIH	1.78	1.88	18.7	1240
X1343	–	4.090	10,700	137	5.25	3.06	0.56	2.75	1.00	SIH	1.88	1.88	21.5	X1343
X1345	–	4.090	10,700	137	5.25	3.06	0.56	2.75	1.00	TH	2.00	1.88	22.8	X1345
X1351	–	4.125	12,500	166	5.38	3.19	0.56	2.75	1.13	SIH	2.25	2.00	24.8	X1351
RO635	ROA3618	4.500	12,200	171	5.38	3.19	0.56	3.00	1.10	CIH	2.25	2.00	22.0	635
A1204	–	5.000	13,500	169	5.63	3.44	0.56	3.00	1.13	TH	2.50	2.25	25.5	1204
RO1205	–	5.000	16,400	196	5.93	3.75	0.56	3.25	1.25	CIH	2.50	2.56	28.5	1207
RX1207	ROA4020	5.000	17,500	223	6.31	4.00	0.63	3.50	1.25	SIH	2.50	2.69	34.0	1207
RO1315	ROA5035	5.000	20,000	250	6.63	4.06	0.75	3.50	1.38	CIH	2.50	2.50	37.0	RO1315
RO1355	–	5.000	20,400	250	6.81	4.25	0.75	3.75	1.38	CIH	2.75	2.69	43.6	RO1355
RO1356	RO5542	5.500	23,600	300	7.25	4.50	0.75	4.00	1.50	CIH	3.00	2.94	45.6	RO1356
1301	ROA5738 ⑥	5.750	23,000	299	7.09	4.38	0.69	4.00	1.50	TH	3.00	2.94	45.0	1301
RO1306/ ROS1306 ⑦	ROA4824/ ROB4824	6.000	23,600	287	7.25	4.50	0.75	4.00	1.50	CIH	3.00	2.94	45.0	1306
RX9506H	–	6.000	23,600	300	7.25	4.50	0.75	4.75	1.50	SIH	3.00	2.94	47.2	1306
X1311	RO6555 ⑥	6.500	30,600	412	7.97	5.00	0.88	5.00	1.75	SIH	3.50	3.19	77.9	X1311
X1307	–	7.000	30,600	385	7.97	5.00	0.88	5.00	1.75	SIH	3.50	3.19	66.0	1307

① Link-Belt versions no longer available. Unless otherwise noted, Rexnord version is identical to the Link-Belt version. Sections and links may be interchanged.
② All bushings are carburized except for RO1315, RO1355, RO1356, ROS1306, & RX95506H, which are thru-hardened.
③ All sidebars are thru-hardened except for R506, B578, 1030, 1240.
④ All rollers are thru-hardened.
⑤ Fabricated steel sprockets are recommended.
⑥ Functional equivalent, but not physically identical to, Rexnord equivalent shown.
⑦ For track crawler drives with heavy shock loads, select ROS 1306.
Note: Use pages 87-102 for drive chain selection procedures using selection tables. For alternate selection method using 'rated working load,' see page 106.

DRIVE CHAINS



STRAIGHT

Properties

TH	Thru-Hardened
CARB	Carburized
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened

Dimensions are in inches. Strengths, loads and weights are in pounds.

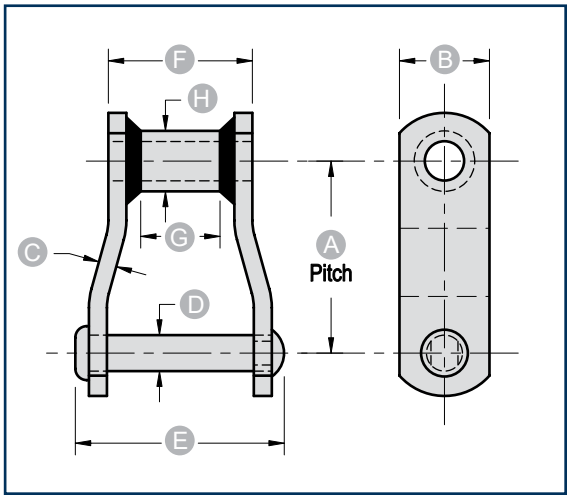
Rexnord Chain No.	Link-Belt Chain No. ①	Average Pitch ②	Rated Working Load	Minimum Ultimate Strength, Lbs. x 10^3	Over-All Width	Bushing Length ③	Sidebars ④			Pins	Roller ⑤ Diameter	Between Sidebars	Average Weight Per Foot	Sprocket Unit No. ⑥
							Thickness	Height	Diam.	Properties				
					A	D	T	F	G		H	K		
Straight Sidebar Drive Chains														
6425R	–	2.500	6,900	78	3.81	2.27	0.38	2.38	0.88	CIH	1.56	1.48	12.7	645
X345	RS3017 ⑦	3.000	10,000	124	5.22	3.06	0.56	2.38	0.94	SIH	1.78	1.88	21.8	X345
X1353	–	4.090	16,000	205	5.81	3.50	0.63	3.00 ⑧	1.31	SIH	2.63	2.18	32.6	X1353
X1365	–	6.000	30,600	407	7.97	5.00	0.88	5.00	1.75	SIH	3.50	3.19	68.0	X1365
A1309	RO7080 ⑦	7.000	37,150	606	8.00	5.00	0.88	6.00	2.13	TH	4.50	3.13	89.6	A1309
3100 Series Offset Sidebar Chains														
3120CM	ROA3120	1.500	2,100	28	2.28	1.38	0.19	1.81	0.44	TH	0.88	0.97	4.0	ANSI #120
3140CM	ROA3140	1.750	2,500	39	2.50	1.44	0.22	1.63	0.50	TH	1.00	0.97	5.2	ANSI #140
3160CM	ROA3160	2.000	3,450	50	2.91	1.75	0.25	1.88	0.56	TH	1.13	1.19	6.7	ANSI #160
3180	–	2.250	4,800	63	3.31	2.00	0.28	2.13	0.69	CIH	1.41	1.38	9.6	ANSI #180

① Link-Belt versions no longer available. Unless otherwise noted, Rexnord version is identical to the Link-Belt version. Sections and links may be interchanged.
② Use pages 87-102 for drive chain selection procedures using selection tables. For alternate selection method using 'rated working load,' see page 106.
③ All bushings are carburized except for RO1315, RO1355, RO1356, ROS1306, & RX95506H, which are thru-hardened.
④ All sidebars are thru-hardened except for R506, B578, 1030, 1240.
⑤ All rollers are thru-hardened.
⑥ Fabricated steel sprockets are recommended.
⑦ Functional equivalent, but not physically identical to, Rexnord equivalent shown.
⑧ Inner sidebars 3.50.

WELDED STEEL CHAIN

Welded Steel Mill Chains (Offset Sidebars) are recommended for most conveying and elevating applications in which a high strength steel rollerless chain is required. A complete line on attachments and optional heat treatment make them easily adaptable to a wide variety of applications.

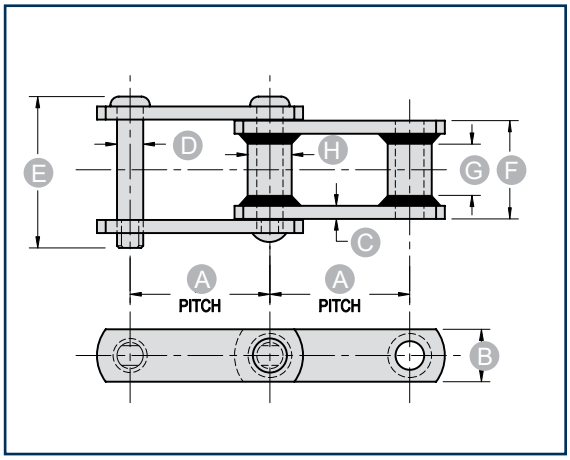
- All pins are through-hardened
- 1" & larger pins are further induction hardened
- Pre-Greased Rivets available upon request on all sizes



Part Number	A AVG Pitch	Average Ultimate Strength (pounds)	WH* Average Ultimate Strength (pounds)	B Sidebar Height	C Sidebar Thickness	D Rivet Diameter	E Overall Width	F Length of Bearing	G Max. Sprocket Thickness	H Barrel O.D.	Links per Foot	AVG Weight per Foot (pounds)
WS78**	2.609	29,800	34,000	1 ¼	¼	½	2 7/16	1 5/8	¾	0.84	4.6	3.9
WR78	2.609	29,800	34,000	1 ¼	¼	½	3	2	1	0.84	4.6	4.1
WR78XHD	2.640	32,700	38,500	1 ¼	⅜	9/16	3 9/32	2	1	1.05	4.5	6.3
WR78-4	4.000	29,800	34,000	1 ¼	¼	½	3	2	1	0.84	3	3.4
WR82	3.075	32,780	39,000	1 ¼	¼	9/16	3 5/16	2 ¼	1 ⅜	1.05	3.9	4.7
WR82XHD	3.075	50,400	60,000	1 ½	⅜	¾	3 13/16	2 ⅜	1 ⅛	1.25	3.9	8.4
WR124	4.000	50,400	60,000	1 ½	⅜	¾	4 ¼	2 13/16	1 ½	1.25	3	8
WR124XHD	4.050	85,500	121,500	2	½	1	4 ⅞	3	1 ½	1.66	3	14.5
WR111	4.760	50,400	60,000	1 ¾	⅜	¾	4 13/16	3 ⅜	2 ¼	1.25	2.5	8.6
WR106	6.000	50,400	60,000	1 ½	⅜	¾	4 ¼	2 13/16	1 ½	1.25	2	6.5
WR106XHD	6.050	85,500	121,500	2	½	1	4 ⅞	3	1 ½	1.66	2	11.5
WR132	6.050	85,500	121,500	2	½	1	6 ¼	4 7/16	3 ⅛	1.66	2	13.5
WR132XHD	6.050	118,500	142,000	2	⅝	1	6 ¾	4 11/16	3 ⅛	1.66	2	15.9
WR150	6.050	120,000	144,000	2 ½	½	1	6 ¼	4 7/16	2 ¾	1.66	2	15.5

"C-type" straight sidebar chain has the same general characteristics as offset sidebar construction. It is recommended for reversable conveyors and allows for the easiest in-field attachment welding.

- All pins are through-hardened
- 1" & larger pins are further induction hardened
- Pre-Greased Rivets available upon request on all sizes



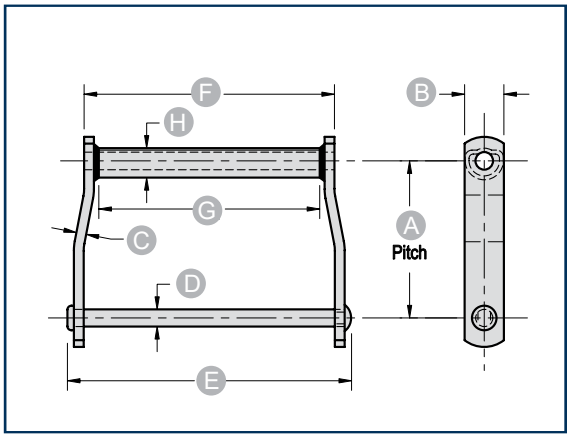
Part Number	A AVG Pitch	Average Ultimate Strength (pounds)	WHC* Average Ultimate Strength (pounds)	B Sidebar Height	C Sidebar Thickness	D Rivet Diameter	E Overall Width	F Length of Bearing	G Max. Sprocket Thickness	H Barrel O.D.	Links per Foot	AVG Weight per Foot (pounds)
WRC131	3.075	50,400	57,000	1 ½	⅜	¾	3 9/16	2 ⅛	1 ⅛	1.25	3.9	8.4
WRC124	4.000	50,400	57,000	1 ½	⅜	¾	4 ¼	2 13/16	1 ½	1.25	3	8
WRC124XHD	4.050	85,500	122,700	2	½	1	4 ⅞	3	1 ½	1.66	3	14.5
WRC111	4.760	50,400	57,000	1 ¾	⅜	¾	4 13/16	3 ⅜	2	1.25	2.5	8.6
WRC110	6.000	50,400	57,000	1 ½	⅜	¾	4 ¼	2 13/16	1 ½	1.25	2	6.4
WRC110XHD	6.050	85,500	122,000	2	½	1	4 ⅞	3	1 ½	1.66	2	11.5
WRC132	6.050	85,500	122,000	2	½	1	6 ¼	4 7/16	3 ⅛	1.66	2	13
WRC132XHD	6.050	118,500	142,000	2	⅝	1	6 ¾	4 11/16	3 ⅛	1.66	2	15.9
WRC150	6.050	120,000	144,000	2 ½	½	1	6 ¼	4 7/16	3 ⅛	1.66	2	15.5
WRC150XHD	6.050	122,500	148,000	2 ½	⅝	1	6 ¾	4 11/16	3 ⅛	1.66	2	18

All dimensions shown in inches unless noted otherwise

*WHC denotes Heat-Treated

Using select grade alloy steels these heavy duty chains are manufactured in North America to high standards. Our unique barrel forming process ensures consistent quality, reducing potential rivet wear and providing high strength and long service life. All heat treating and attachment options are available, as well as reverse barrel design.

- Standard zone induction-hardened rivets for ¾" and ⅞" diameters
- Standard through-hardened rivets for 1" diameters



Part Number	A AVG Pitch	Average Ultimate Strength (pounds)	WHC* Average Ultimate Strength (pounds)	B Sidebar Height	C Sidebar Thickness	D Rivet Diameter	E Overall Width	F Length of Bearing	G Max. Sprocket Thickness	Links per Foot	AVG Weight per Foot (pounds)
WD102	5.000	51,000	61,000	1 ½	⅜	¾	9 ¼	7 ¾	6 ⅜	2.4	12
WD104	6.000	51,000	61,000	1 ½	⅜	¾	6 ¾	5 ⅜	4 ⅛	2	8.6
WD110	6.000	51,000	61,000	1 ½	⅜	¾	11 ¾	10 ¼	9	2	12
WD112	8.000	51,000	61,000	1 ½	⅜	¾	11 ¾	10 ¼	9	1.5	10
WD116	8.000	55,000	69,000	1 ¾	⅜	¾	15 ½	14 ⅛	13	1.5	12.9
WD118	8.000	85,000	102,000	2	½	⅞ or 1	16 ⅝	14 ⅞	13 ¼	1.5	18
WD118XHD	8.000	122,000	146,000	2	⅝	1	17 ⅜	15 ⅛	13 ¼	1.5	21
WD120	6.000	85,000	102,000	2	½	⅞ or 1	12	10 ¼	8 ¾	2	18
WD120XHD	6.000	122,000	146,000	2	⅝	1	12 ¾	10 ½	8 ¾	2	21
WD122	8.000	85,000	102,000	2	½	⅞ or 1	12	10 ¼	8 ¾	1.5	15
WD122XHD	8.000	125,000	150,000	2	⅝	1	12 ¾	10 ½	8 ¾	1.5	17.6
WD480	8.000	85,000	102,000	2	½	⅞ or 1	14 ½	12 ¾	11	1.5	16.9
WD480XHD	8.000	122,000	146,000	2	⅝	1	15 ¼	13	11	1.5	19.5

All dimensions shown in inches unless noted otherwise.

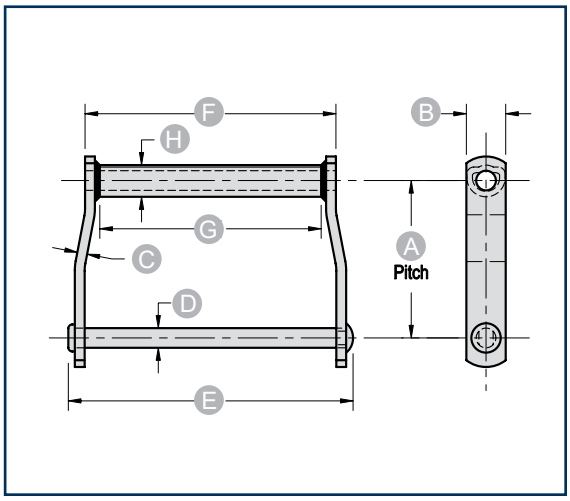
*WDH denotes Heat-Treated

"Super" Drag Chain

Using select grade alloy steels these heavy duty chains are manufactured in North America to high standards. Our unique barrel forming process ensures consistent quality, reducing potential rivet wear and providing high strength and long service life.

The Super series chain features a formed barrel of heavy wall tubing for severe applications, ideal for extra heavy loads associated with hog conveyors or "Load" chip dumping.

All heat treating and attachment options are available, as well as reverse barrel design.



Part Number	A AVG Pitch	Ultimate Strength (pounds)	WHC* Average Ultimate Strength (pounds)	B Sidebar Height	C Sidebar Thickness	D Rivet Diameter	E Overall Width	F Length of Bearing	G Max. Sprocket Thickness	Links per Foot	AVG Weight per Foot (pounds)
WD118SM	8.000	85,000	120,000	2	½	1	16 ⅝	14 ⅞	13 ¼	1.5	20.8
WD118XHDSM	8.000	125,000	150,000	2	⅝	1	17 ⅜	15 ⅛	13 ¼	1.5	24
WD120SM	6.000	85,000	120,000	2	½	1	12	10 ¼	8 ¾	2	19.5
WD120XHDSM	6.000	125,000	150,000	2	⅝	1	12 ¾	10 ½	8 ¾	2	24
WD122SM	8.000	85,000	120,000	2	½	1	12	10 ¼	8 ¾	1.5	17.5
WD122XHDSM	8.000	125,000	150,000	2	⅝	1	12 ¾	10 ½	8 ¾	1.5	20
WD480SM	8.000	85,000	120,000	2	½	1	14 ½	12 ¾	11	1.5	20
WD480XHDSM	8.000	125,000	150,000	2	⅝	1	15 ¼	13	11	1.5	23

All dimensions shown in inches unless noted otherwise.

*WDH denotes Heat-Treated

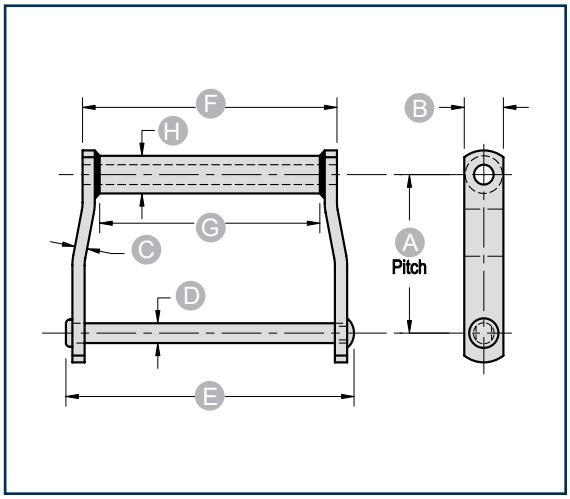
"Mega" Drag Chain

Using select grade alloy steels, these heavy duty chains are manufactured in North America to high standards.

The Mega series chain features a extra heavy .400" round barrel for the most severe applications. Ideal for extra heavy loads, large logs or any application prone to high impact leading to crushed barrels.

All heat treating and attachment options are available.

- Standard through-hardened rivets
- Available with additional induction hardened rivets



Part Number	A AVG Pitch	Ultimate Strength (pounds)	WDH* Ultimate Strength (pounds)	B Sidebar Height	C Sidebar Thickness	D Rivet Diameter	E Overall Width	F Length of Bearing	G Max. Sprocket Thickness	Links per Foot	AVG Weight per Foot (pounds)
WD118MM	8.000	85,000	120,000	2	½	1	16 ⅝	14 ⅞	13 ¼	1.5	23
WD118XHDMM	8.000	125,000	150,000	2	⅝	1	17 ⅜	15 ⅛	13 ¼	1.5	26
WD120MM	6.000	85,000	120,000	2	½	1	12	10 ¼	8 ¾	2	24
WD120XHDMM	6.000	125,000	150,000	2	⅝	1	12 ¾	10 ½	8 ¾	2	27
WD122MM	8.000	85,000	120,000	2	½	1	12	10 ¼	8 ¾	1.5	20
WD122XHDMM	8.000	125,000	150,000	2	⅝	1	12 ¾	10 ½	8 ¾	1.5	22
WD480MM	8.000	85,000	120,000	2	½	1	14 ½	12 ¾	11	1.5	22.5
WD480XHDMM	8.000	125,000	150,000	2	⅝	1	15 ¼	13	11	1.5	25

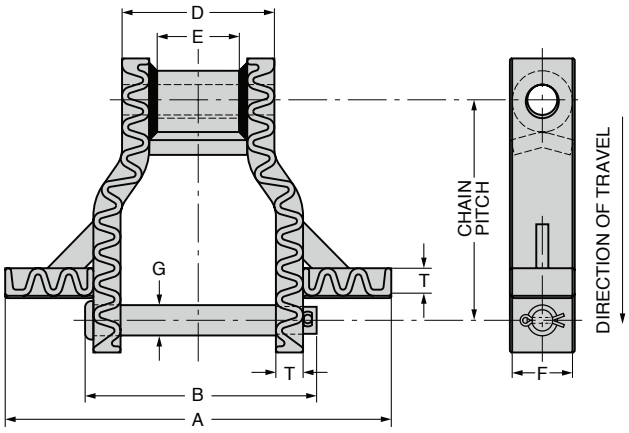
All dimensions shown in inches unless noted otherwise.

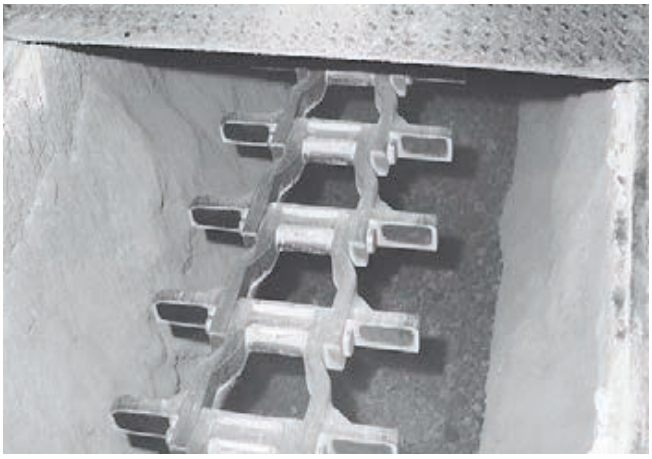
*WDH denotes Heat-Treated

Heavy Duty Welded Steel Drag Chains

Heavy Duty drag chains are ideal for conditions where severe abrasion and heat exist. They offer these important features and benefits:

- Hardface welding on both of the chain's sliding surfaces is standard. A typical weld hardness of 60 RC and a heavy weld bead give this chain excellent sliding wear resistance in cold and hot clinker applications.
- Interference fits between the pin and chain sidebar dramatically improves chain strength and joint wear life over that of a cast drag chain. In addition, this eliminates loose pin movement in the chain joint.
- An induction hardened pin affords the best of two worlds – a 60 RC typical hardened case and impact resistant material in the core of the pin. The result is longer service life and superior resistance to shock loads.
- Square edges on the wing and sidebar of welded drag chain convey more efficiently than rounded cast chain edges. They also move a deeper bed of material with each revolution of the chain.
- Heat treated and fabricated steel components eliminate the failures that cast chains experience from casting porosity and inclusions.





WHX Drag chains offer solutions to wear and breakage problems common with cast chains. Fabricated steel construction with heat treated pins, barrels, face plates, wings, and sidebars provide added protection not found in cast chain designs.

Properties

TH	Thru-Hardened
CIH	Circumferentially Induction Hardened
SIH	Selectively Induction Hardened

Dimensions are in inches. Strengths, loads and weights are in pounds.

Rexnord Chain No.	Average Pitch	A	Sidebars			Pins			Barrel Length		Minimum Ultimate Strength, Lbs. x 10^3	Rated Working Load	Sprocket Unit No.
			Thickness T	Height F	Heat Treat	B	G	Heat Treat	D	E			
WHX5157	6.050	8 to 14 inches 2 inch increments	0.63	2.5	TH	6.94	1.13	SIH	4.63	2.75	117,000	18,200	5157 ②
WHX6067	9.000	10 to 26 inches 2 inch increments	0.75	2.5	TH	8.19	1.25	CIH	5.5	3.63	195,000	24,300	6121 ②
WHX5121①	9.000	10 to 30 inches 2 inch increments	1.13	2.5	TH	9.75	1.25	CIH	6.31	3.63	205,000	27,600	6121 ②
WHX6121	9.000	10 to 30 inches 2 inch increments	1.13	2.5	TH	9.75	1.25	CIH	6.31	3.63	205,000	27,600	6121 ②

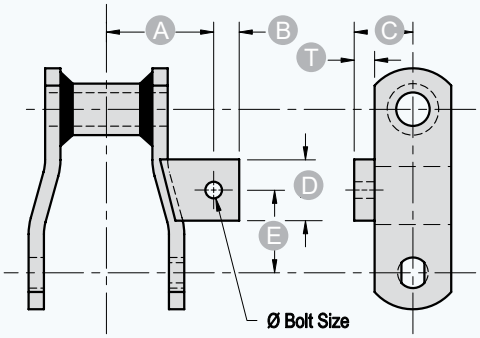
① WHX5121 is dimensionally the same as WHX6121 except it runs closed end forward.
② Octagonal tail wheels are available. The octagonal design reduces the scrubbing which reduces traditional tail sprocket life. See page 71.
Other sizes available upon request. Minimum order quantities may be required on some parts.

WELDED STEEL CHAIN ATTACHMENTS

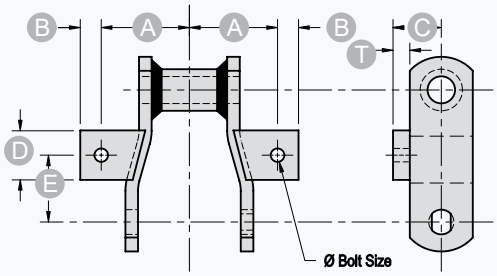
A1 + K1

Welded Steel Chain Attachments are recommended for most conveying and elevating applications in which a high strength steel rollerless chain is required. Optional heat treatment make them easily adaptable to a wide variety of applications.

A1 ATTACHMENT



K1 ATTACHMENT

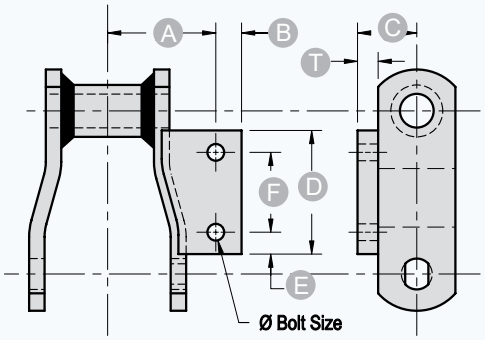


Part Number	For Chain Number	A	B	C	D	E	T	0 Bolt Size
A1-WR78 K1-WR78	WR78	2	½	⅞	1 ¼	1 ¼	¼	⅜
A1-WR78XHD K1-WR78XHD	WR78XHD	2	½	⅞	1 ¼	1 ¼	¼	⅜
A1-WR82 K1-WR82	WR82	2 ⅛	⅝	⅞	1 ¼	1 ½	¼	⅜
A1-WR82XHD K1-WR82XHD	WR82XHD	2 ⅜	⅝	1 ⅛	1 ¼	1 ½	⅜	⅜
A1-WR124 K1-WR124	WR124	2 ⅝	⅝	1 ⅛	1 ½	2	⅜	⅜
A1-WR124XHD K1-WR124XHD	WR124XHD	2 ⅝	¾	1 ½	1 ½	2	½	½
A1-WR111 K1-WR111	WR111	3 ⅛	⅝	1 ¼	1 ¾	2 ⅛	⅜	⅜
A1-WR132 K1-WR132	WR132	3 ¾	⅞	1 ½	2	3	½	½
A1-WR132XHD K1-WR132XHD	WR132XHD	3 ¾	⅞	1 ½	2	3	½	½

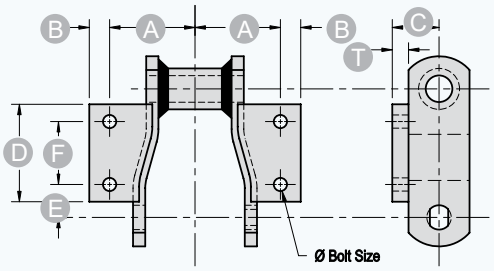
All dimensions shown in inches unless noted otherwise.

A2 + K2

A2 ATTACHMENT



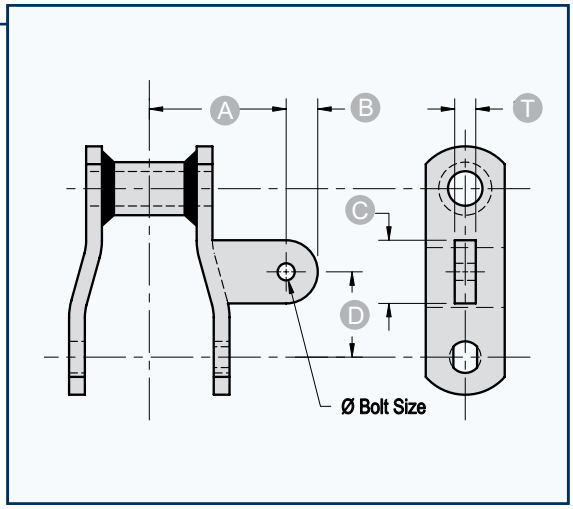
K2 ATTACHMENT



Part Number	For Chain Number	A	B	C	D	E	F	T	0 Bolt Size
A2-WR78 K2-WR78	WR78	2	½	⅞	2	13/16	1 ⅛	¼	⅜
A2-WR78XHD K2-WR78XHD	WR78XHD	2	½	⅞	2	13/16	1 ⅛	¼	⅜
A2-WR82 K2-WR82	WR82	2 ⅛	⅝	⅞	2 ¼	½	1 ¼	¼	⅜
A2-WR82XHD K2-WR82XHD	WR82XHD	2 ⅜	⅝	1 ⅛	2 ¼	½	1 ¼	⅜	⅜
A2-WR124 K2-WR124	WR124	2 ⅝	⅝	1 ⅛	3	1	1 15/16	⅜	⅜
A2-WR124XHD K2-WR124XHD	WR124XHD	2 ⅝	¾	1 ½	3	1	1 15/16	½	½
A2-WR111 K2-WR111	WR111	3 ⅛	⅝	1 ¼	3 ½	13/16	2 5/16	⅜	⅜
A2-WR132 K2-WR132	WR132	3 ¾	13/16	1 ½	4	1 ⅝	2 ¾	½	½
A2-WR132XHD K2-WR132XHD	WR132XHD	3 ¾	13/16	1 ½	4	1 ⅝	2 ¾	½	½
A2-WR150 A2-WR150	WR150	3 ¾	13/16	1 ¾	4	1 ⅝	2 ¾	½	½
A2-WR157 A2-WR157	WR157	3 ¾	13/16	1 ¾	4	1 ⅝	2 ¾	½	½

All dimensions shown in inches unless noted otherwise.

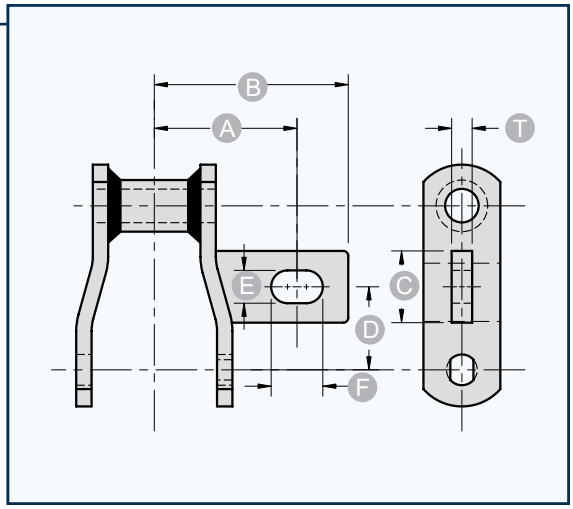
A22



Part Number	For Chain Number	A	B	C	D	T	0 Bolt Size
A22-WR78	WR78	2	⅝	1 ¼	1 ¼	¼	⅜
A22-WR82	WR82	2 ½	⅝	1 ¼	1 ½	¼	⅜
A22-WR124	WR124	3	⅞	1 ¾	2	⅜	½
A22-WR111	WR111	3 ½	⅞	1 ¾	2 ⅜	⅜	½
A22-WR106	WR106	2 ¾	⅞	2	3	⅜	½
A22-WR132	WR132	4 ¼	1	2	3	½	¾

All dimensions shown in inches unless noted otherwise.

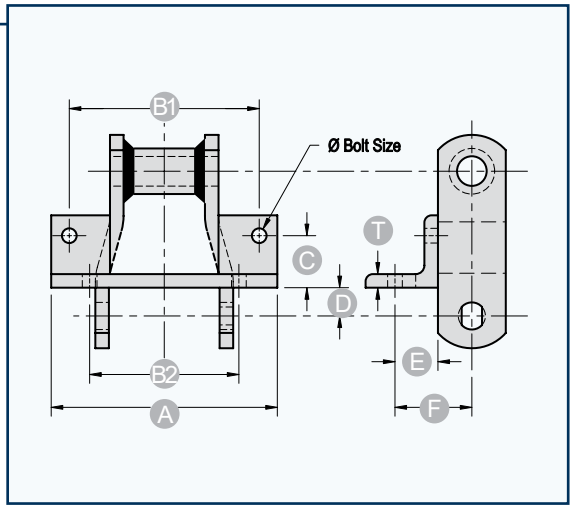
Slotted A22



Part Number	For Chain Number	A	B	C	D	E	F	T
Slotted A22-WR82	WR82	2 ½	3 ½	1 ½	1 ½	9/16	1 ¼	3/8
Slotted A22-WR124	WR124	4	5 5/16	2	1 ¾	13/16	1 ½	½
Slotted A22-WR144	WR144	4	5 5/16	2	1 ¾	13/16	1 ½	½
Slotted A22-WR106	WR106	4	5 5/16	3	3	13/16	1 ½	½
Slotted A22-WR106XHD	WR106XHD	4	5 5/16	3	3	13/16	1 ½	½
Slotted A22-WR166	WR166	4	5 5/16	3	3	13/16	1 ½	½
Slotted A22-WR132	WR132	4 ½	6 ¼	3	3	13/16	1 ½	½
Slotted A22-WR132XHD	WR132XHD	4 ¾	6 ½	3	3	13/16	1 ½	½

All dimensions shown in inches unless noted otherwise.

F2/F4

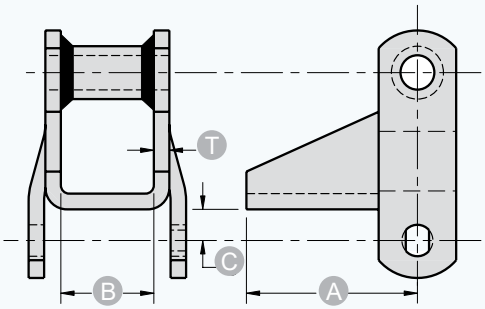


Part Number	For Chain Number	A	B1	B2	C	D	E	F	T	0 Bolt Size
F2-WR78 F4-WR78	WR78	5 ½	4 ½	3 ¾	1 ¼	¾	1 ⅛	1 ¾	¼	⅜
F2-WR78XHD F4-WR78XHD	WR78XHD	5 ½	4 ½	3 ¾	1 ¼	¾	1 ⅛	1 ¾	¼	⅜
F2-WR82 F4-WR82	WR82	5 ⅞	5	4 ⅛	1 ¼	⅝	1 ⅛	1 ¾	¼	⅜
F2-WR82XHD F4-WR82XHD	WR82XHD	5 ⅞	5	4 ⅛	1 ½	⅞	1 ⅛	1 ¾	⅜	⅜
F2-WR124 F4-WR124	WR124	6 ¼	5 ¼	4 ⅜	1 ½	1	1 ⅜	2 ⅜	⅜	⅜

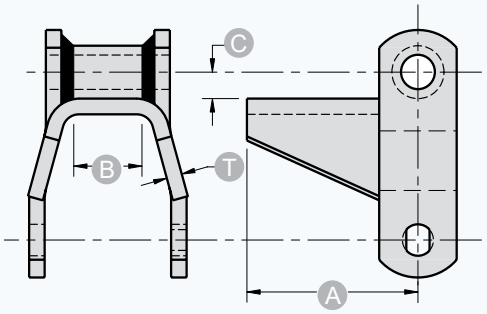
All dimensions shown in inches unless noted otherwise.

H1/H2

H1



H2

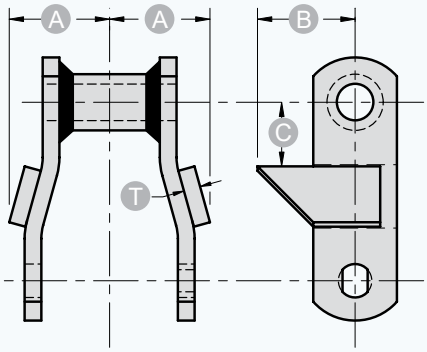


Part Number	For Chain Number	A	B	C	T
H1-WR78 H2-WR78	WR78	3 5/8	1 1/2	1/2	1/4
H1-WR78XHD H2-WR78XHD	WR78XHD	3 5/8	1 1/2	1/2	3/8
H1-WR82 H2-WR82	WR82	3 5/8	1 3/4	5/8	1/4
H1-WR82XHD H1-WR82XHD	WR82XHD	3 5/8	1 3/4	5/8	3/8

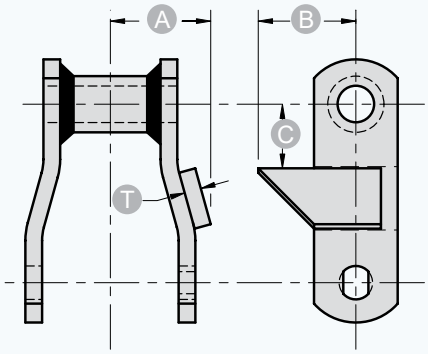
All dimensions shown in inches unless noted otherwise.

RR1 + R1

RR1



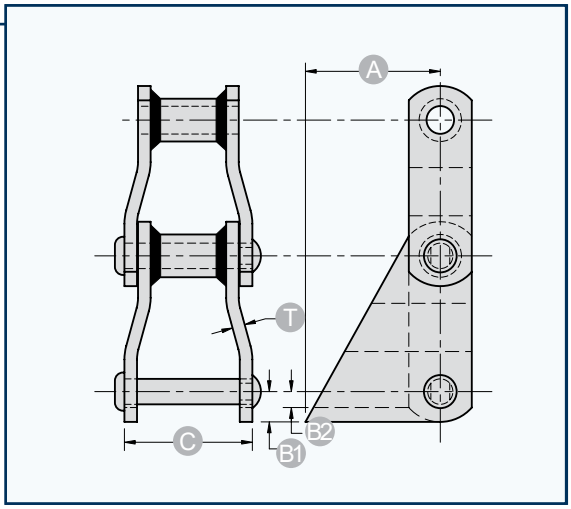
R1



Part Number	For Chain Number	A	B	C	T
RR1-WR78 R1-WR78	WR78	1 ½	1 9/16	5/8	¼
RR1-WR78XHD R1-WR78XHD	WR78XHD	1 ¾	1 9/16	5/8	¼
RR1-WR82 R1-WR82	WR82	1 5/8	1 ¾	13/16	¼
RR1-WR82XHD R1-WR82XHD	WR82XHD	1 15/16	2 1/16	13/16	⅜
RR1-WR124 R1-WR124	WR124	2 5/32	1 ⅞	1 ½	⅜
RR1-WR132 R1-WR132	WR132	3 3/32	2 ½	1 ½	½

All dimensions shown in inches unless noted otherwise.

S1/S2

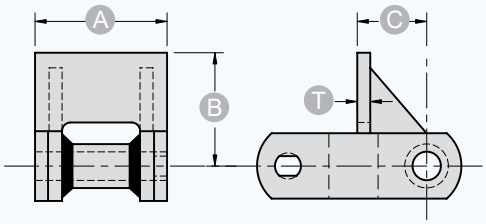


Part Number	For Chain Number	A	B1	B2	C	T
S1-WR124 S2-WR124	WR124	3 ¾	⅞	11⁄16	3 ⅝	⅜
S1-WR124XHD S2-WR124XHD	WR124XHD	3 ¾	1 ⅛	⅞	4 ⅛	½
S1-WR111 S2-WR111	WR111	4	1	1	4 3⁄16	⅜
S1-WR106 S2-WR106	WR106	3 ¾	⅞	11⁄16	3 ⅝	⅜
S1-WR132 S2-WR132	WR132	5	1 ⅛	⅞	5 7⁄16	½
S1-WR150 S2-WR150	WR150	5 ½	⅞	½	5 7⁄16	½

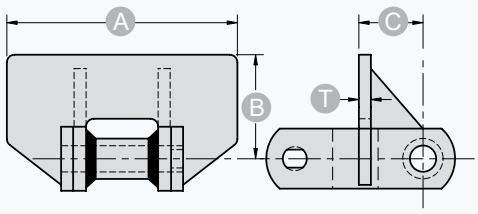
All dimensions shown in inches unless noted otherwise.

RF2 + RF12

RF2 ATTACHMENT



RF12 ATTACHMENT

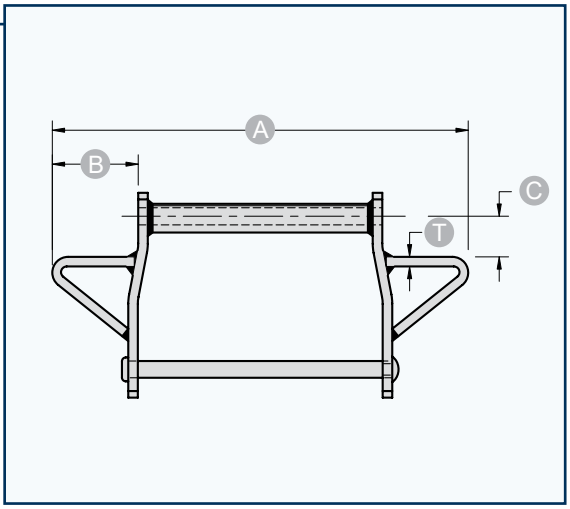


Part Number	For Chain Number	A	B	C	T
RF2-WR78 RF12-WR78	WR78	3	2 11/16	5/8	1/4
RF2-WR78XHD RF12-WR78XHD	WR78XHD	3	2 11/16	5/8	3/8
RF2-WR82XHD RF12-WR82XHD	WR82XHD	3 1/4	2 3/4	13/16	3/8
RF2-WR124 RF12-WR124	WR124	4 1/4	3 1/4	13/16	3/8
RF2-WR131 RF12-WR131	WR131	6 1/2	3 1/4	1 1/2	1/2
RF2-WR111 RF2-WRC111 RF12-WR111 RF12-WRC111	WR111 WRC111	7 3/4	3 1/4	1 1/2	1/2
RF2-WR132 RF2-WRC132 RF12-WR132 RF12-WRC132	WR132 WRC132	9	3 1/2	1 1/2	3/4
RF2-WR150 RF2-WRC150 RF12-WR150 RF12-WRC150	WR150 WRC150	9	3 1/2	1 1/2	3/4

All dimensions shown in inches unless noted otherwise.

DRAG
CHAIN ATTACHMENTS

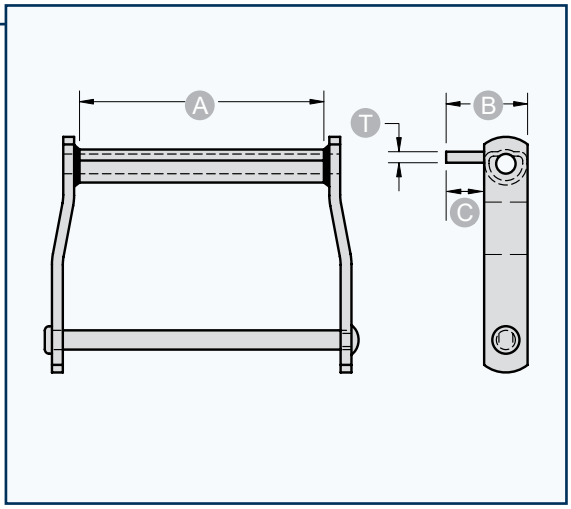
Standard Wing Attachment



Part Number	For Chain Number	A	B	C	T
Standard Wing WD102	WD102	14 ¼	1 ½	1 ½	⅜
Standard Wing WD104	WD104	11 ½	3	1 ¾	⅜
Standard Wing WD110	WD110	17	3 ⅜	1 ¾	⅜
Standard Wing WD112	WD112	17	3 ⅜	1 ¾	⅜
Standard Wing WD116	WD116	22	3 15/16	2 ½	⅜
Standard Wing WD118	WD118	22	3 9/16	2 ½	½
Standard Wing WD118XHD	WD118XHD	22 ¼	3 9/16	2 ½	½
Standard Wing WD120	WD120	17 ½	3 ⅜	1 ¾	½
Standard Wing WD120XHD	WD120XHD	17 ¾	3 ⅜	1 ¾	½
Standard Wing WD122	WD122	17 ½	3 ⅜	2 ½	½
Standard Wing WD480	WD480	22	4 ⅝	2 ½	½
Standard Wing WD480XHD	WD480XHD	22 ¼	4 ⅝	2 ½	½

All dimensions shown in inches unless noted otherwise.

"C" Attachments



For Chain Number	A	B C1/2*	B C1	C C1	B C3	C C3	B C4	C C4	T
WD102	6 ½	1 ½	3	1 ½	3 ½	2	4 ½	3	⅜
WD104	4 ⅛	1 ½	3	1 ½	3 ½	2	4 ½	3	⅜
WD110	9	1 ½	3	1 ½	3 ½	2	4 ½	3	⅜
WD112	9	1 ½	3	1 ½	3 ½	2	4 ½	3	⅜
WD116	12 ⅞	1 ¾	3 ¼	1 ½	3 ¾	2	4 ¾	3	⅜
WD118	13 ⅜	2	3 ¾	1 ¾	4	2	6	4	½
WD118XHD	13 ⅜	2	3 ¾	1 ¾	4	2	6	4	½
WD120	8 ¾	2	3 ¾	1 ¾	4	2	6	4	½
WD120XHD	8 ¾	2	3 ¾	1 ¾	4	2	6	4	½
WD122	8 ¾	2	3 ¾	1 ¾	4	2	6	4	½
WD480	11 ¼	2	3 ¾	1 ¾	4	2	6	4	½
WD480XHD	11 ¼	2	3 ¾	1 ¾	4	2	6	4	½

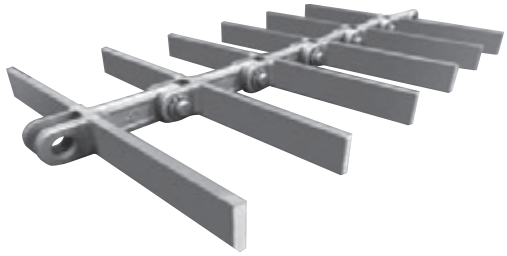
All dimensions shown in inches unless noted otherwise.

C1/2 attachment is welded to front of barrel. All others are welded on top of barrel.

FORGED CHAINS

Drop Forged Chain

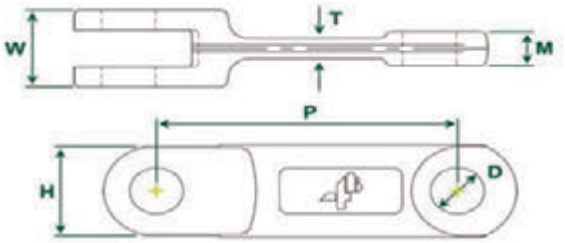
Drop forged chain is made of special heat treated alloy steel, case hardened to rockwell C57-C62 with a ductile core hardness of rockwell C40. Superior heat treatment technique provides the optimum chain link with a more resilient ductile core for shock resistance, and an extremely hard exterior surface for superior wear resistance. Uniking is backed by an international network of companies with over 150 years of experience, and a global team of engineers and sales professionals that can provide you with practical solutions for all your material handling applications.



STANDARD LINK

BOLT 'N' GO LINK

Links and pins are available in stainless steel



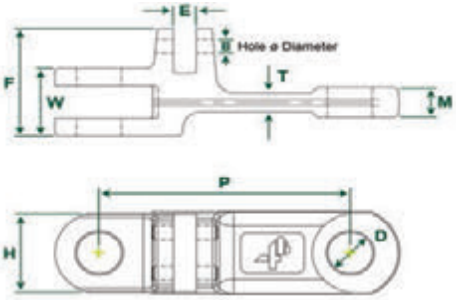
Standard Link

Chain Link	Min Breaking Load (kN)	Case Hardness	Case Depth (mm)	Core Hardness	Weight (Per Link) (kg)	Bolt 'N' Go Compatible	Dimensions					
							P (mm)	H (mm)	T (mm)	W (mm)	M (mm)	D (mm)
102LA	150	Rockwell C57-C62	0.5	Rockwell C40	0.36	No	102	36	6	25	8	14
102NA	180	Rockwell C57-C62	0.5	Rockwell C40	0.38	Yes	102	36	7	28	12	14
125NA	200	Rockwell C57-C62	0.6	Rockwell C40	0.70	Yes	125	35	10	36	15	16
142LA	250	Rockwell C57-C62	0.7	Rockwell C40	0.66	No	142	40	10	31	14	18.2
142NA	300	Rockwell C57-C62	0.7	Rockwell C40	1.08	Yes	142	50	12	42	18.7	25
142HA	450	Rockwell C57-C62	0.7	Rockwell C40	1.76	Yes	142	50	16.5	62	28.5	25
150NA	300	Rockwell C57-C62	0.7	Rockwell C40	1.20	Yes	150	49	13	36	15	25
160NA	350	Rockwell C57-C62	0.8	Rockwell C40	1.30	Yes	160	44.5	13	42	19.5	20
175NA	520	Rockwell C57-C62	1.0	Rockwell C40	2.73	No	175	60	16	72	22	30
200NA	600	Rockwell C57-C62	1.0	Rockwell C40	2.85	No	200	60	18	68	30	30
216NA	600	Rockwell C57-C62	1.0	Rockwell C40	3.66	No	216	75	19	59	26	35
250NA	700	Rockwell C57-C62	1.0	Rockwell C40	4.26	No	250	75	18	70	32	32
260NA	700	Rockwell C57-C62	1.0	Rockwell C40	5.38	No	260	75	21	71	31	32

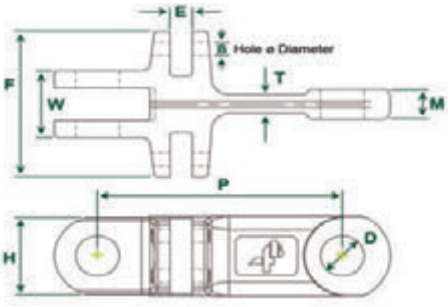
DOUBLE & TRIPLE LINKS

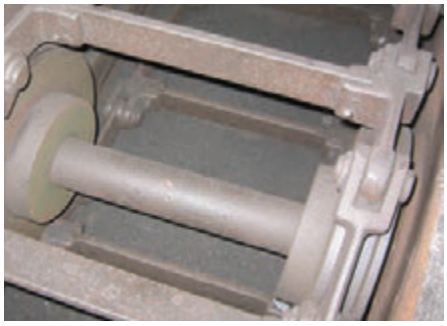
Double and triple links are forged with the same quality, strength and durability as our standard links.

DOUBLE LINK



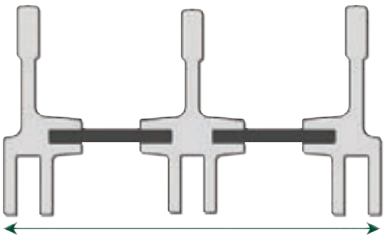
TRIPLE LINK





Typical Double Strand Chain Application

Triple Configuration



Widths to 3.7m

Chain Link	Min Breaking Load (kN)	Case Hardness	Case Depth (mm)	Core Hardness	Weight (Per Link) (kg)	Bolt 'N' Go Compatible	Dimensions								
							P (mm)	H (mm)	T (mm)	W (mm)	M (mm)	D (mm)	F (mm)	E (mm)	B (mm)
142DNA	300	Rockwell C57-C62	0.7	Rockwell C40	1.37	No	142	50	12	42	18.7	25	67	13	8.5
142DHA	450	Rockwell C57-C62	0.7	Rockwell C40	2.00	No	142	50	16	62	28	25	87	13	8.5
142TNA	300	Rockwell C57-C62	0.7	Rockwell C40	1.67	No	142	50	12	42	18.7	25	92	13	8.5
142THA	450	Rockwell C57-C62	0.7	Rockwell C40	2.32	No	142	49	16	62	28.5	25	112	13	8.5

Other sizes available on request.

Typical Welded Flight Attachments

Square Bar Flight

Flat Bar Flight

Paddle Flight

U Flight

Closed U Flight

Closed U Flights with Filler Plates

00 Flight

Return Cups

00 Flight with Filler Plates

Note: Custom flights are available, based on customer specifications.

Standard Pin Options

Forged Head Pin Collar and Roll Pin

Forged Head Pin and One Clamp

Plain Pin and Two Clamps

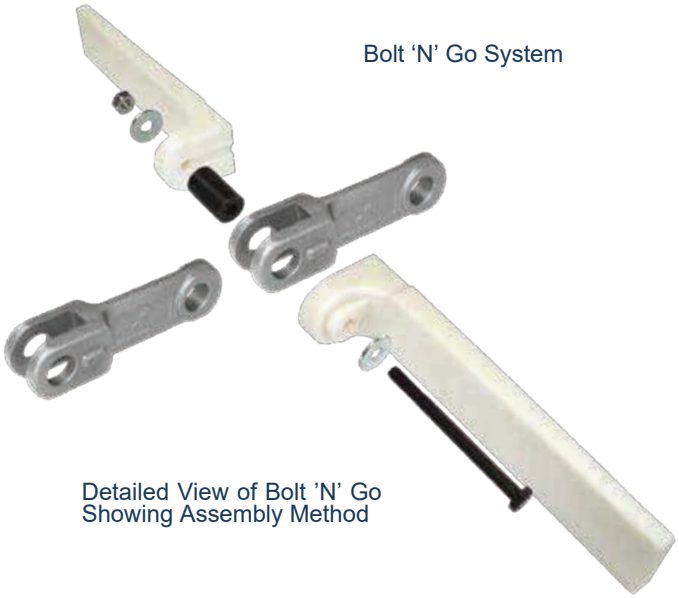
Bolt 'N' Go Hollow Pin, Bolt, Washers and Nut

Bolt ‘N’ Go

Bolt ‘N’ Go flight system is a revolutionary assembly method for drop forged. Link and flight assembly is made easy by using a standard bolt and mechanical lock nut with a high strength hollow pin. There are no circlips and no intricate assembly required. There is no welding of flights, no need to remove chain from the conveyor for installation, and no issues with strength. Just bolt the links and the flights together. It’s easy, simple and reliable!

Bolt ’N’ Go Link

Bolt ‘N’ Go System



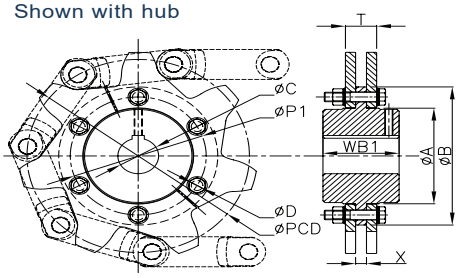
Detailed View of Bolt ’N’ Go Showing Assembly Method

US Pat. 7,080,728
Canadian Pat. 2,548,660
Mexican Pat. 272,056
Other Patents Pending

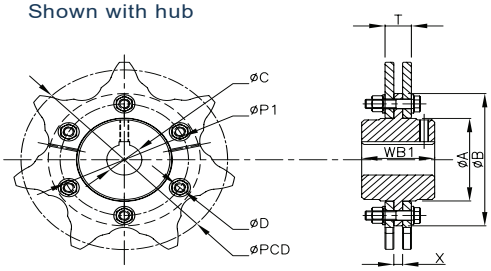
Sprockets

Sprockets and trailers are manufactured from high grade heat treated steel to a minimum hardness of 5 HRC. Each piece is machined to size with appropriate bore and keyway specific to each customer s application. Most sizes are in stock and ready to ship from inventory.

Standard Sprocket
Shown with hub

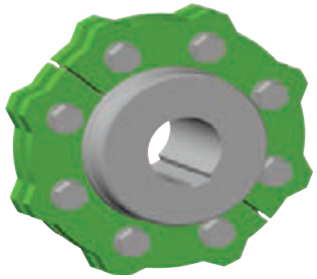


Wear Reversible Sprocket
Shown with hub



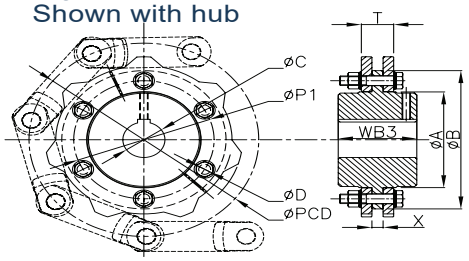
Chain Link	No. of Teeth	Pitch Circle Dia ØPCD (mm)	ØP1 (mm)	ØA (mm)	ØB (mm)	ØC max, Sprocket/ Stub Trailer (mm)	ØD (mm)	No. of Bolts	T (mm)	X (mm)	WB1 (mm)
4B102NA	6	204.0	-	105.0	135.0	70	–	–	30	10	83
	7	235.1	146.0	108.0	173.0	70	M12	6	30	10	83
	8	266.5	170.0	144.0	196.0	85	M12	6	30	10	83
	9	298.2	200.0	174.0	232.0	105	M12	6	30	10	83
	10	330.1	241.3	179.0	264.0	105	M12	8	30	10	83
4B142NA	6	284.0	168.3	136.5	190.5	85	M12	6	46	16	112
	7	327.3	200.0	162.0	234.0	105	M16	6	46	16	112
	8	371.1	241.3	187.3	282.0	115	M20	8	46	16	127
	9	415.2	285.8	240.0	330.0	150	M20	8	46	16	127
	10	459.5	285.8	240.0	330.0	150	M20	8	46	16	127
	11	504.0	368.3	310.0	419.0	170	M20	8	46	16	150
	12	548.6	415.0	345.0	465.0	170	M20	8	46	16	150
	13	593.4	450.0	380.0	521.0	170	M20	8	46	16	150
	14	638.1	470.0	380.0	546.0	170	M20	10	46	16	150
4B142HA	7	327.3	200.0	162.0	234.0	105	M16	6	69	19	127
	8	371.1	241.3	187.3	282.0	115	M20	8	69	19	150
	9	415.2	285.8	240.0	330.0	150	M20	8	69	19	150
	10	459.5	285.8	240.0	330.0	150	M20	8	69	19	150
	11	504.0	368.3	310.0	419.0	170	M20	8	69	19	150
	12	548.6	415.0	345.0	465.0	170	M20	8	69	19	150
	13	593.4	450.0	380.0	520.0	170	M20	8	69	19	180
	14	638.1	470.0	380.0	546.0	170	M20	10	69	19	180

Bore and keyway to customer specification. Sprockets and trailers available for all chain sizes. Contact Uniking for more information.

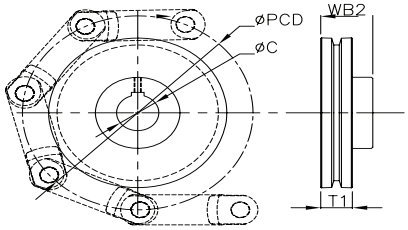


Trailers

Segmental Stub Trailer Shown with hub



Asymmetric Smooth Trailer



Chain Link	ØC max Smooth Trailer (mm)	Pitch Circle Dia. ØPCD (mm)	Hub Width* (mm)		Rim Width T1 (mm)
			Smooth WB2	Segmental WB3	
4B102NA	65	204.0	57	83	35
	65	235.1	57	83	35
	65	266.5	57	83	35
	65	298.2	57	83	35
	65	330.1	57	83	35
4B142NA	85	284.0	74	112	45
	85	327.3	74	112	45
	85	371.1	77	127	45
	115	415.2	77	127	45
	115	459.5	77	127	45
	115	504.0	105	150	45
	115	548.6	105	150	45
	115	593.4	120	150	45
	115	638.1	120	150	45
4B142HA	115	327.3	110	127	75
	115	371.1	110	150	75
	115	415.2	110	150	75
	115	459.5	120	150	75
	140	504.0	120	150	75
	140	548.6	120	150	75
	140	593.4	120	150	75
	140	638.1	140	150	75

* Smooth and segmental trailers have different hub widths as noted (WB2 & WB3).
** Symmetric smooth trailers on demand.

Additional Recommendation

1. Sprocket cleaners and chain wipers help maintain the sprocket clear of buildup for the chain to engage.

2. Conveyor inlet screens ensure that particle size does not e ceed conveyor design parameters and help prevent tramp material from entering the conveyor.

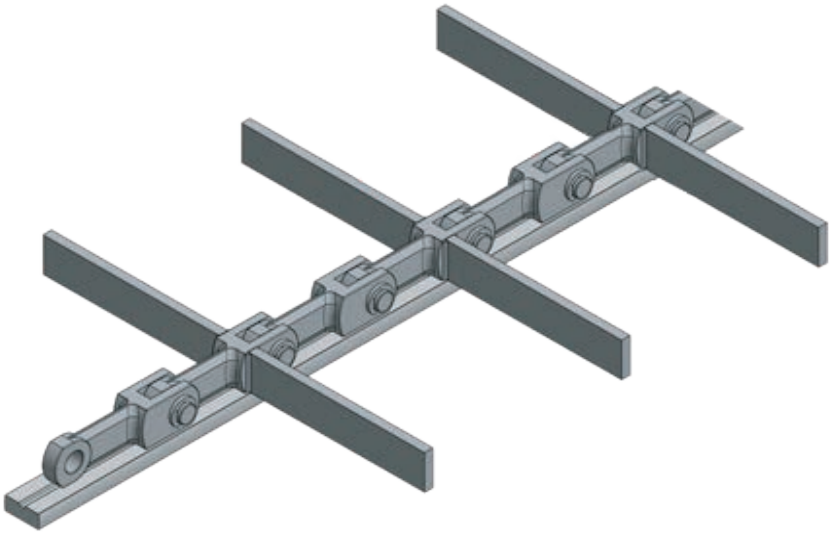
3. Conveyor inlet magnets help prevent the introduction of tramp material.

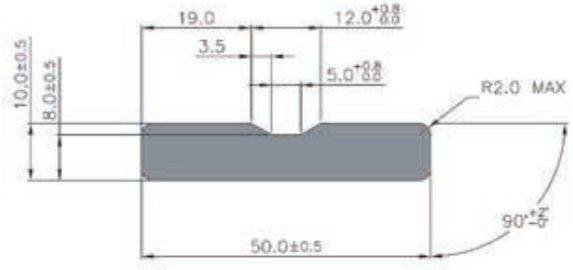
. Central rails made from Hadfield manganese steel will ma imize chain life and help prevent fatigue on welded flights Image E .

5. Wear bushings, AR steel flights, and hard weld coatings are available for e tremely abrasive applications.

6. For installation assistance or any application questions, call Uniking Canada.

IMAGE E
Manganese Rail
to Support Chain





Rail Design for 1 2NA Chain

KILN CHAINS

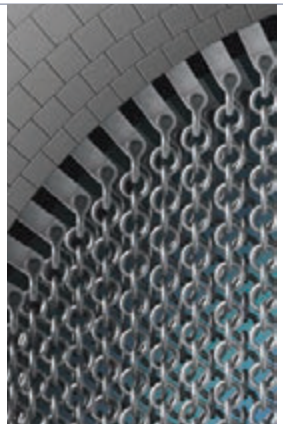
PRÜNTE Kettenwerk GmbH & Co. KG is a manufacturer of welded rotary kiln chains. The company's origins go back to the year 1887 kiln chains are used in the cement, paper, metallurgical and chemical industry. In addition to heat-resistant and standard chains from alloy stell, PRÜNTE Kettenwerk supplies all kinds of accessories and fastenings forrotary kiln chains. Mainly in forged execution.

PRÜNTE Kettenwerk delivers worldwide, first-class chains for wet and dry process kilns. We guarantee maximum service life for our chains and accessories, depending on the different material qualities and dimensions. Process monitoring guarantees perfect welds of the oven chains in compliance with the defined welding parameters. The oval chains are frequently used also as curtain chain / spillage protection.

Based on more than 50 years of experience in the collaboration with the cement industry all over the world, PRÜNTE Kettenwerk is a leading specialist for the production, design and control of kiln chain systems. With the know-how of PRÜNTE Kettenwerk, we are able to optimize the efficiency of the oven systems.

PRÜNTE Kettenwerk has been part of the HEKO Group since the year 2004.

Rotary Kilns - Kiln chains, Hangers and Shackles



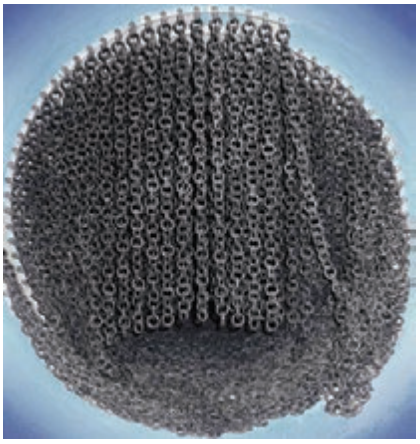
Hanger – segment type

Forged single hanger

MATERIAL SPECIFICATIONS

	German material number (DIN)	US stand-ard AISI	chemical composition average in %						heat resistance – gas stream				recommended installation in the kiln	for kilns with oil or gas firing	for kilns with coal-, pet coke- or waste firing
									min.		max.				
			C	Si	Mn	Cr	Ni	Al	°C	°F	°C	°F			
Carbon steel	1.0035	C 1008	0.20 max.	0.30 max.	0.30	–	–	–	–	–	500	932	dust curtain plastic zone	•	•
	1.0402	C 1022	0.22	0.20	0.40	–	–	–	–	–	500	932		•	•
	1.0501	C 1035	0.35	0.20	0.70	–	–	–	–	–	500	932		•	•
	1.6523	8620	0.20	0.30	0.70	0.50	0.55	–	–	–	550	1022		•	•
Ferritic material	1.4724	9F	0.10	1.00	1.00 max.	13.00	–	1.00	500	932	900	1742	preheating zone	•	–
	1.4742	10 F	0.10	1.00	1.00 max.	18.00	–	1.00	800	1472	1100	2012	hot zone	•	–
Austenitic Cr-Ni-Mn steel	1.4892	85 MA	0.20	1.00	8.00	17.00	4.00	–	500	932	850	1562	preheating zone	•	•
	1.4872-93 (1.4892)	105 MA	0.20	0.45	9.00	20.00	4.50	–	750	1382	1050	1922	hot zone	•	•
	1.4872-91 (1.4892)	115 MA	0.20	0.80	9.00	25.00	6.00	–	850	1562	1200	2192	hot zone	•	•
Austenitic steel	1.4301	304	0.05	1.00 max.	2.00 max.	18.00	8.00	–	500	932	850	1562	preheating zone	•	•
	1.4541	321	0.10	1.00	2.00 max.	18.00	10.50	–	500	932	850	1562	preheating zone	•	•
	1.4828	–	0.15	2.00	2.00 max.	20.00	12.00	–	750	1382	1050	1922	hot zone	•	•
	1.4841	310	0.15	2.00	2.00 max.	25.00	20.00	–	800	1472	1200	2192	hot zone	•	•

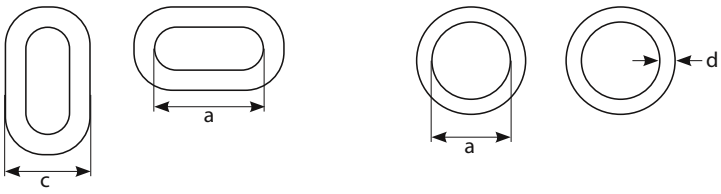
Other alloys on request.



Oval type chain for kilns and as curtain chains

Diameter (d)	mm inch	20 3/4"		23 7/8"	25 1"	26 1"	28 1 1/8"	30 1 3/16"
pitch (a)	mm	70	80	80	120	91	98	105
	inch	2 3/4"	3 1/8"	3 1/8"	4 3/4"	3 19/32"	3 7/8"	4 5/32"
outside width (c)	mm	67	69	77	100	89	101	106
	inch	2 3/5"	2 7/10"	3"	4"	3 1/2"	4"	4 1/5"
Weight per chain link	approx. kgs	0.573	0.624	0.864	1.48	1.274	1.617	1.995
	approx. pound	1.26	1.38	1.91	3.26	2.81	3.56	4.40
Weight per met er	approx. kgs	8.2	7.8	10.8	12.33	14.0	16.5	19.0
	approx. pound	18.08	17.20	23.81	27.17	30.87	36.38	41.90
Number of chain links	approx. per met er	14.3	12.5	12.5	8.33	10.99	10.20	9.52
	approx. per f oot	4.35	3.81	3.81	2.54	3.35	3.11	2.90
Surf ace each chain link	approx. per cm^3	147	159	193	295	248	288	331
	approx. per $inch^3$	22.7	24.7	30	45.7	38.4	44.6	51.2
Surf ace per	meter appr ox. cm^3	2098	1991	2415	2458	2723	2935	3147
	1 foot approx. $inch^3$	0.686	0.653	0.793	0.806	0.894	0.963	1.032

Other sizes on r equest.

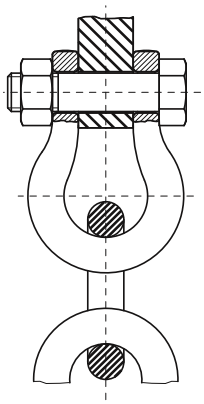


Round link type

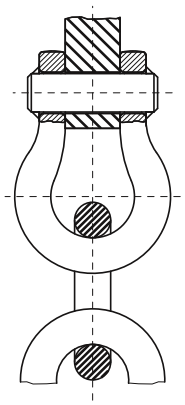
Diameter (d)	mm inch	19 3/4"		20 3/4"			22 7/8"		23 7/8"	25 1"				28 1 1/8"	30 1 3/16"
pitch (a)	mm	70	76	65	80	100	76	80	76	76	80	89	100	100	100
	inch	2 3/4"	3"	2 9/16"	3 1/8"	4"	3"	3 1/8"	3"	3"	3 1/8"	3 1/2"	4"	4"	4"
Weight per ring	approx. kgs	0.62	0.66	0.66	0.77	0.93	0.92	0.96	1.02	1.22	1.27	1.38	1.51	1.94	2.27
	approx. pound	1.36	1.46	1.45	1.71	2.05	2.02	2.11	2.25	2.69	2.80	3.04	3.33	4.27	4.99
Weight per met er	approx. kgs	8.86	8.69	10.13	9.68	9.25	12.11	12.00	13.42	16.06	15.87	15.51	15.10	19.40	22.70
	approx. pound	19.54	19.16	22.33	21.35	20.49	26.58	26.46	29.60	35.40	35.00	34.20	33.30	42.68	49.94
Number of rings	approx. per met er	14.30	13.16	15.38	12.50	10.00	13.16	12.50	13.16	13.16	12.50	11.24	10.00	10.00	10.00
	approx. per f oot	4.36	4.01	4.69	3.81	3.05	4.01	3.81	4.01	4.01	3.81	3.43	3.05	3.05	3.05
Surf ace each ring	approx. cm^3	167	178	168	197	237	213	221	224.70	249	259	281	308	353	385
	approx. each $inch^3$	26	27.6	26	31	37	33	34.3	34.8	38.6	40.1	43.6	47.8	54.8	59.6
Surf ace each	meter appr ox. cm^3	2388	2344	2580	2467	2369	2803	2766	2957	3279	3235	3161	3081	3534	3845
	1 foot approx. $inch^3$	0.786	0.769	0.847	0.810	0.778	0.917	0.907	0.970	1.075	1.06	1.039	1.012	1.160	1.262

Other sizes on r equest.

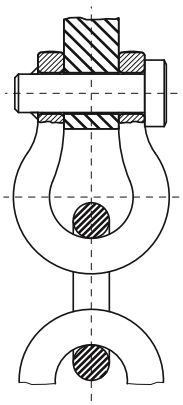
Shackles for Chain Fastening



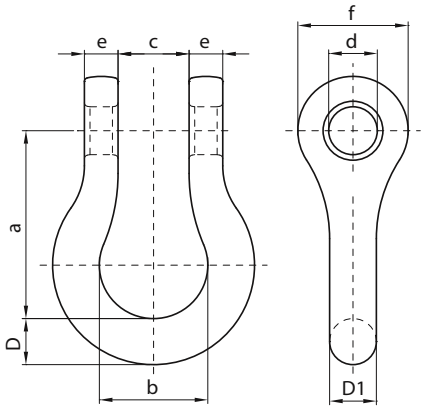
Execution (A)
with bolt and thr ead



Execution (B)
with plain pin



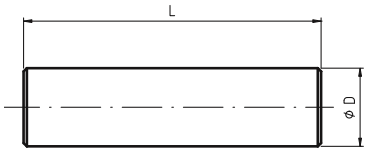
Execution (C)
with head bolt



Shackle number	weight (kg)	dimensions (mm) a	b	c	d	D / D1	e	f
1216	0.75	95	50	34.0	22	19	14	45
947	1.05	100	55	36.5	26	22	16	52
947-30	1.05	100	57	30.0	25	24	17	52
947-37	1.05	100	57	37.0	28	24	17	52
950	1.50	102	58	38.0	29	25	18	59

Other sizes on r equest.

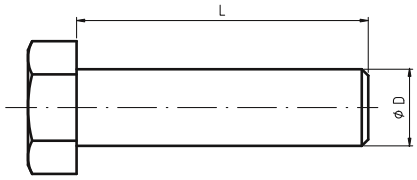
Bolts for the shackle, hangers and segments



Plain bolt

For shackle no.	dimensions (mm) D Ø	L	weight (kg)
1216	20	85	0.210
947	24	92	0.327
950	27	100	0.450

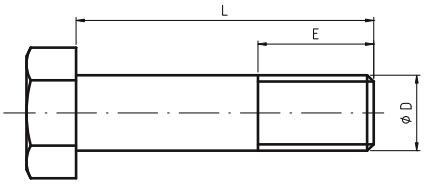
Other sizes on r equest.



Bolt without thr ead

For shackle no.	dimensions (mm) D Ø	L	weight (kg)
1216	20	80	0.300
947	24	90	0.480
950	27	95	0.640

Other sizes on r equest.



Bolt with thr ead

For shackle no.	dimensions (mm) D Ø	L	E	weight (kg)
1216	20	90	30	0.330
947	24	100	35	0.547
–	24	220	50	0.800
950	27	105	35	0.750

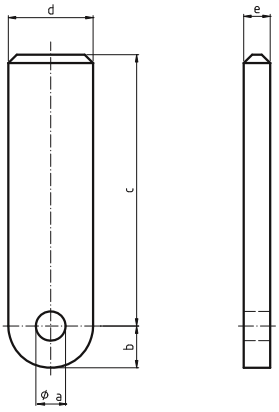
Other sizes on r equest.

Hanger for kiln shell fastening

Hanger type	dimensions (mm) a Ø	b	c	d	e	weight (kg)
Mod. 1	30.0	60	195	80	25	3.6
Mod. 2	30.0	70	70	100	25	2.0
Mod. 3	29.0	60	220	88/120	25	6.1
Mod. 4	29.0	60	150	88/120	25	4.6

Other dimensions (f or example, the segment) on r equest

Tolerances f or all w eights and measur ements: +/- 6%



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TIGER-TUFF, TIGER-CC
Nylon: Hot, Abrasive Applications

TIGER-TUFF, TIGER-CC
Urethane: Sticky, Abrasive Applications

TIGER-TUFF, TIGER-CC
Polyethylene: Food Grade Applications

BETTER

MAXI-TUFF AA
Nylon: Hot, Abrasive Applications

MAXI-TUFF AA
Urethane: Sharp Cutting Applications

MAXI-TUFF AA
Polyethylene: Food Grade Applications

BETTER

MAXI-TUFF MF (Medium Front)
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Ductile Iron Elevator Buckets

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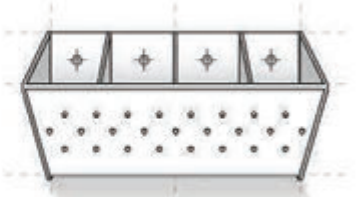
MF, HF & LF FABRICATED STEEL
Continuous Style

SC FABRICATED STEEL
Super Capacity

FABRICATED STEEL

AC FABRICATED STEEL
Powdery Applications

ACS FABRICATED STEEL
Saddle Bag Style

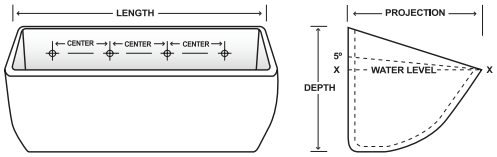


CUSTOMIZED FABRICATED STEEL
Made To Order

TIGER-TUFF
INDUSTRIAL ELEVATOR BUCKETS®

TIGER-TUFF® Industrial Duty Buckets

The TIGER-TUFF Industrial is a maximum duty industrial elevator bucket, designed and engineered to maximize bucket life and elevated capacity. This will reduce down time and lower maintenance costs. The TIGER-TUFF Industrial bucket has the thickest lip, back wall and corners to maximize bucket life and maintain capacity. Standard spacing is projection x 2. The most common applications include cement, sand, gypsum, limestone, clay, concrete and many, many more. The TIGER-TUFF Industrial is the maximum duty industrial bucket for your most demanding industrial applications.



Mounting Holes and Venting to Your Specifications

FEATURES & BENEFITS

- Reduces Weight on Elevator up to 80%
- Cleaner Discharge Than Steel Buckets
- Non-Corrosive, Non-Sparking
- Thicker Walls, Heavy Front Digging Lip
- Heat, Impact & Abrasion Resistant
- Lowers Elevator Maintenance
- Extends Bucket Life
- Decreases Elevator Down Time
- Easy to Install and Replace
- Saves Money vs. Carbon Steel

BUCKET SIZE								CAPACITY, CU. IN.	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Water Level X-X, Cu. In.	Water Level X-X, Cu. Ft.
	in.	mm	in.	mm	in.	mm			
6 x 5	6-5/8	168	5-3/4	146	5	127	0.33	67.20	0.039
7 x 5	7-5/8	194	5-3/4	146	5	127	0.33	79.72	0.046
8 x 5	8-5/8	219	5-3/4	146	5	127	0.33	88.54	0.051
9 x 5	9-5/8	244	5-3/4	146	5	127	0.33	107.37	0.062
10 x 5	10-5/8	270	5-3/4	146	5	127	0.33	121.30	0.070
11 x 5	11-5/8	295	5-3/4	146	5	127	0.33	140.70	0.081
12 x 5	12-5/8	321	5-3/4	146	5	127	0.33	159.87	0.093
8 x 6	8-5/8	219	6-7/8	175	6	152	0.40	135.56	0.078
9 x 6	9-5/8	244	6-7/8	175	6	152	0.40	150.26	0.087
10 x 6	10-5/8	270	6-7/8	175	6	152	0.40	170.69	0.099
11 x 6	11-5/8	295	6-7/8	175	6	152	0.40	185.18	0.107
12 x 6	12-5/8	321	6-7/8	175	6	152	0.40	200.37	0.116
13 x 6	13-5/8	346	6-7/8	175	6	152	0.40	220.78	0.123
12 x 7	12-7/8	327	7-7/8	200	7	178	0.42	269.24	0.156
13 x 7	13-7/8	352	7-7/8	200	7	178	0.42	292.51	0.169
14 x 7	14-7/8	378	7-7/8	200	7	178	0.42	315.77	0.183
15 x 7	15-7/8	403	7-7/8	200	7	178	0.42	346.64	0.201
16 x 7	16-7/8	429	7-7/8	200	7	178	0.42	377.41	0.218
11 x 8	11-7/8	302	8-7/8	225	8-1/4	210	0.50	340.02	0.197
12 x 8	12-7/8	327	8-7/8	225	8-1/4	210	0.50	373.00	0.216
13 x 8	13-7/8	352	8-7/8	225	8-1/4	210	0.50	404.85	0.234
14 x 8	14-7/8	378	8-7/8	225	8-1/4	210	0.50	436.80	0.253
16 x 8	17	432	9-1/4	235	8-1/4	210	0.50	512.57	0.297
18 x 8	19	483	9-1/4	235	8-1/4	210	0.50	567.49	0.328
20 x 8	21	533	9-1/4	235	8-1/4	210	0.50	646.81	0.374
22 x 8	23	584	9-1/4	235	8-1/4	210	0.50	701.90	0.406
24 x 8	25	635	9-1/4	235	8-1/4	210	0.50	763.40	0.441
16 x 10	17	432	11-1/4	286	10	254	0.75	795.70	0.461
18 x 10	19	483	11-1/4	286	10	254	0.75	910.00	0.527
20 x 10	21	533	11-1/4	286	10	254	0.75	1032.50	0.598

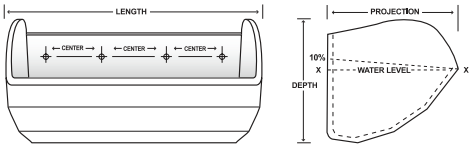
Disclaimer: Weights, dimensions, & capacities are estimated. Actual measurements may vary. For tight tolerances or additional / updated information, please contact Maxi-Lift. Standard spacing is Projection x 2. Some sizes are made to order.

TIGER-CC
INDUSTRIAL ELEVATOR BUCKETS®

TIGER-CC® Industrial Buckets

Slow Speed Centrifugal Discharge 125-450 FPM

The TIGER-CC Industrial is a maximum duty industrial elevator bucket designed in the traditional CC style. The TIGER-CC is engineered to maximize bucket life and elevator capacity, reduce down time and lower maintenance costs. The TIGER-CC Industrial bucket has the thickest lip, back wall and corners to maximize bucket life and maintain capacity. Standard spacing is projection x 2. The most common applications include sand, gypsum, limestone, clay, cement and many, many more. The TIGER-CC Industrial is the maximum duty industrial bucket for your most demanding industrial applications.



Mounting Holes and Venting to Your Specifications

FEATURES & BENEFITS

- Largest Capacity, Move More Material in a Single Row
- Thicker Corners
- Thicker Walls, Heavy Front Lip for Digging
- Cleaner Discharge
- Heat, Impact & Abrasion Resistant
- Non-Corrosive, Non-Sparking
- Extends Bucket Life
- Increases Elevator Capacity
- Lowers Elevator Maintenance
- Decreases Elevator Down Time

BUCKET SIZE								CAPACITY, CU. IN.	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Water Level Cu. In. X-X	Water Level Cu. Feet X-X
	in.	mm	in.	mm	in.	mm			
10 x 7	10-7/8	276	8-1/8	206	6-7/8	174	0.50	217.3	0.126
11 x 7	11-7/8	301	8-1/8	206	6-7/8	174	0.50	236.2	0.137
12 x 7	12-7/8	327	8-1/8	206	6-7/8	174	0.50	258.3	0.149
13 x 7	13-7/8	352	8-1/8	206	6-7/8	174	0.50	299.7	0.173
14 x 7	14-7/8	377	8-1/8	206	6-7/8	174	0.50	313.1	0.181
15 x 7	15-7/8	403	8-1/8	206	6-7/8	174	0.50	338.7	0.196
16 x 7	16-7/8	428	8-1/8	206	6-7/8	174	0.50	352.2	0.204
12 x 8	12-7/8	327	9-1/4	235	8-7/8	225	0.55	366.0	0.212
14 x 8	14-7/8	377	9-1/4	235	8-7/8	225	0.55	430.0	0.249
16 x 8	16-7/8	428	9-1/4	235	8-7/8	225	0.55	510.0	0.295
18 x 8	18-7/8	479	9-1/4	235	8-7/8	225	0.55	560.0	0.324
20 x 8	20-7/8	530	9-1/4	235	8-7/8	225	0.55	655.0	0.379
18 x 10	19	481	11-1/2	292	10-3/8	264	0.70	914.7	0.529
20 x 10	21	533	11-1/2	292	10-3/8	264	0.70	1005.0	0.581
21 x 10	22	558	11-1/2	292	10-3/8	264	0.70	1055.0	0.611
22 x 10	23	584	11-1/2	292	10-3/8	264	0.70	1105.0	0.639
23 x 10	24	609	11-1/2	292	10-3/8	264	0.70	1155.0	0.668
24 x 10	25	635	11-1/2	292	10-3/8	264	0.70	1206.0	0.698
25 x 10	26	660	11-1/2	292	10-3/8	264	0.70	1256.0	0.727
26 x 10	27	685	11-1/2	292	10-3/8	264	0.70	1306.0	0.756
27 x 10	28	711	11-1/2	292	10-3/8	264	0.70	1356.0	0.785
28 x 10	29	737	11-1/2	292	10-3/8	264	0.70	1400.0	0.810

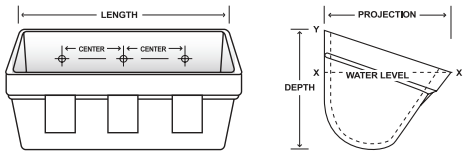
*Injection molded materials shrink at differing rates. External dimensions may vary. Weights, Dimensions & Capacities have been estimated from engineered elevator bucket drawings. Actual molded parts will vary from numbers on charts. For tight tolerances / the most updated information, please contact Maxi-Lift for additional information. Some sizes are made to order. Standard spacing is Projection x 2.

Indicates Available upon request - extended lead time required.

MAXI-TUFF®
ELEVATOR BUCKETS

MAXI-TUFF® Industrial Duty AA Buckets
Slow Speed Centrifugal Discharge 125-450 FPM

The MAXI-TUFF AA centrifugal elevator bucket has the traditional shape of a cast iron bucket. This bucket has a heavy reinforced lip and corners with a thickened back wall for mounting strength. Standard spacing is projection x 2. The most common applications include cement, stone, sand, gravel, coal, fertilizer, clay, salt, limestone and concrete. The MAXI-TUFF AA bucket is the best bucket for tough, abrasive industrial applications.



Mounting Holes and Venting to Your Specifications

FEATURES & BENEFITS

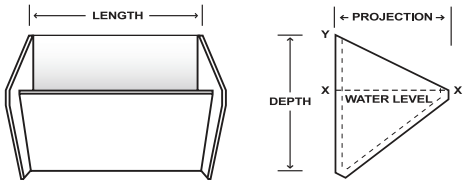
- Reduces Weight on Elevator up to 80%
- Cleaner Discharge Than Steel Buckets
- Non-Corrosive, Non-Sparking
- Thicker Walls
- Heat, Impact & Abrasion Resistant
- Lowers Elevator Maintenance
- Reduces Energy Usage
- Extends Bucket Life
- Decreases Elevator Down Time
- Easy to Install and Replace
- Saves Money vs. Carbon Steel

BUCKET SIZE								CAPACITY, CU. IN.	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Water Level Cu. In. X-X	Water Level Cu. Feet X-X
	in.	mm	in.	mm	in.	mm			
4 x 3	4-1/4	108	3-1/8	79	3-1/8	79	0.205	13.4	0.008
5 x 4	5-1/4	133	4-1/8	105	4-1/8	105	0.205	34.8	0.020
6 x 4	6-1/4	159	4-1/8	105	4-1/8	105	0.205	41.5	0.024
7 x 4	7-1/4	184	4-1/8	105	4-1/8	105	0.225	51.3	0.030
7 x 5	7-1/8	181	5-1/4	133	5-1/4	133	0.325	76.6	0.044
8 x 5	8-1/8	206	5-1/4	133	5-1/4	133	0.325	89.7	0.052
9 x 5	9-1/8	232	5-1/4	133	5-1/4	133	0.300	101.3	0.059
9 x 6	9-3/8	238	6-1/8	156	6-1/8	156	0.290	132.4	0.077
10 x 6	10-3/8	264	6-1/8	156	6-1/8	156	0.322	148.3	0.086
11 x 6	11-3/8	289	6-1/8	156	6-1/8	156	0.285	163.5	0.095
12 x 6	12-3/8	314	6-1/8	156	6-1/8	156	0.345	186.1	0.108
12 x 7	12-3/8	314	7-1/8	181	7-1/8	181	0.284	244.1	0.141
14 x 7	14-3/8	365	7-1/8	181	7-1/8	181	0.300	298.4	0.173
14 x 8	14-3/8	365	8-1/8	206	8-1/8	206	0.455	351.5	0.204
16 x 8	16-3/8	416	8-1/8	206	8-1/8	206	0.455	406.4	0.235
18 x 8	18-1/8	460	8-1/8	206	8-1/8	206	0.455	467.4	0.271
18 x 10	18-1/2	470	10-1/8	254	10-1/8	257	0.463	692.6	0.401

Disclaimer: Standard spacing is Projection x 2.

MAXI-TUFF® Medium Front
Slow Speed Continuous Discharge 1-250 FPM

The MAXI-TUFF MF Medium Front continuous elevator bucket has the traditional shape of an MF steel elevator bucket. It also has a heavy reinforced lip and corners with a thickened back wall for mounting strength. Standard vertical spacing is depth + 1/4". The most common applications include fertilizer, clay, alumina and pellets. The MAXI-TUFF MF is the best bucket for flufy or free flowing materials or those which require gentle handling.



Mounting Holes and Venting to Your Specifications

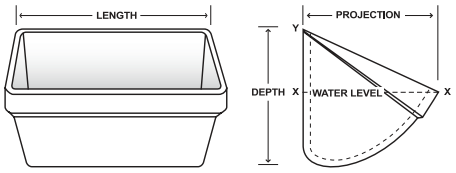
BUCKET SIZE								CAPACITY, CU. IN.	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Water Level Cu. In. X-X	Water Level Cu. Feet X-X
	in.	mm	in.	mm	in.	mm			
8 x 5 x 7	8-1/4	210	5-1/2	140	7-1/2	191	0.380	80.56	0.047
10 x 5 x 7	10-1/4	260	5-1/2	140	7-1/2	191	0.395	94.90	0.055
12 x 7 x 11	12-1/4	311	7-1/2	191	11-1/2	292	0.350	172.63	0.100
14 x 7 x 11	14-1/4	362	7-1/2	191	11-1/2	292	0.325	201.30	0.117
16 x 7 x 11	16-1/4	413	7-1/2	191	11-1/2	292	0.325	238.81	0.138
18 x 7 x 11	18-1/4	464	7-1/2	191	11-1/2	292	0.325	244.31	0.141
12 x 8 x 11	12-1/4	311	8-1/2	216	11-1/2	292	0.325	274.60	0.159
14 x 8 x 11	14-1/4	362	8-1/2	216	11-1/2	292	0.325	335.61	0.194
16 x 8 x 11	16-1/4	413	8-1/2	216	11-1/2	292	0.325	396.63	0.230
18 x 8 x 11	18-1/4	464	8-1/2	216	11-1/2	292	0.325	467.65	0.271

Disclaimer: Weights, dimensions, & capacities are estimated. Actual measurements may vary. For tight tolerances or additional / updated information, please contact Maxi-Lift. Standard vertical spacing is depth + 1/4". Some sizes are made to order.

DI-MAX® DUCTILE IRON BUCKETS

DI-MAX® Ductile Iron AA, DI-MAX® AA Digger

The DI-MAX AA style ductile iron elevator bucket is engineered to exceed the performance requirements of most industrial applications. This bucket is designed with thicker walls and a reinforced front lip to increase bucket life in tough industrial environments. Ductile iron is far superior to malleable iron in both impact and abrasion resistance. Replacing malleable iron with DI-MAX ductile iron elevator buckets will result in longer bucket life and more efficient operation.



Mounting Holes and Venting to Your Specifications

FEATURES & BENEFITS

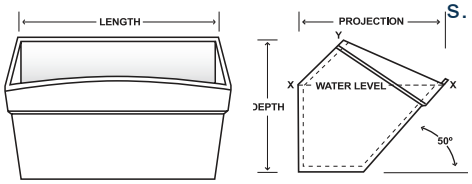
- Mill duty, thick walls with reinforced back & corners
- Extremely high impact and abrasion resistance
- Applications up to 600 degrees
- Designed to handle sand, glass cullet, stone, shot blast, rock, concrete and other abrasive products
- Long wearing digging edge
- Stronger than steel of the same gauge
- **Smooth surface to ensure proper filling**

BUCKET SIZE, INCHES							THICKNESS			CAPACITY	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Front Corner Thickness	Front Lip Thickness	Water Cu. Inches X-X	100% Gross Cu. Inches X-Y
	in.	mm	in.	mm	in.	mm					
4 x 3	4-1/2	102	3-3/8	86	3-1/2	89	.185	.275	.250	17.1	24.2
6 x 4	6-1/2	152	4-3/8	102	4-1/2	114	.250	.350	.275	42.3	63.5
7 x 4 1/2	7-1/2	191	4-3/8	114	4-1/2	114	.250	.350	.275	49.5	76.2
7 x 5	7-7/8	200	5-1/8	130	5-1/2	140	.250	.250	.210	68.6	102.9
8 x 5	8-1/2	216	5-3/8	137	5-1/2	140	.250	.400	.375	83.1	126.3
9 x 5	9-1/2	241	5-3/8	137	5-1/2	140	.250	.400	.375	90.7	138.8
11 x 5	11-7/8	302	5-1/4	133	5-1/2	140	.210	.250	.210	102.6	153.9
15 x 5	15-7/8	403	5	127	5-1/2	140	.210	.400	.350	154.2	235.9
19 x 5	19-7/8	505	5-1/4	133	5-1/2	140	.250	.400	.350	198.2	303.2
9 x 6	9-5/8	244	6-3/8	162	6-1/2	165	.300	.400	.375	124.7	190.8
10 x 6	10-5/8	270	6-3/8	162	6-1/2	165	.300	.400	.375	143.4	219.7
11 x 6	11-5/8	295	6-3/8	162	6-1/2	165	.300	.400	.375	159.8	244.5
12 x 6	12-5/8	321	6-3/8	162	6-1/2	165	.300	.400	.375	175.4	268.3
12 x 7	12-5/8	321	7-3/8	187	7-1/2	191	.330	.625	.450	219.7	350.9
14 x 7	14-5/8	371	7-3/8	187	7-1/2	191	.330	.625	.450	265.2	407.0
16 x 7	16-5/8	422	7-3/8	187	7-1/2	191	.330	.625	.450	301.2	460.9
14 x 8	14-5/8	371	8-3/8	213	8-1/2	216	.375	.625	.500	366.0	526.0
16 x 8	16-5/8	422	8-3/8	213	8-1/2	216	.375	.625	.500	381.4	599.2
18 x 8	18-5/8	473	8-3/8	213	8-1/2	216	.375	.625	.525	450.3	695.0
20 x 8	20-5/8	524	8-3/8	213	8-1/2	216	.375	.625	.525	499.3	763.9
24 x 8	24-5/8	625	8-3/8	213	8-1/2	216	.375	.625	.525	597.4	914.0
18 x 10	18-3/4	476	10-3/8	264	10-1/2	267	.440	.800	.750	661.5	1012.9

Use alone or as a Digger for MAXI-TUFF® AA Style plastic elevator bucket

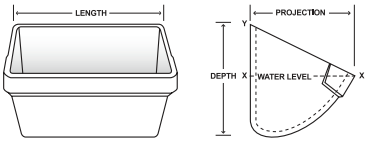
DI-MAX® Ductile Iron AC

The DI-MAX AC style ductile iron elevator bucket is designed with thicker walls and a reinforced front lip to increase bucket life in tough industrial environments. Ductile iron is far superior to malleable iron in both impact and abrasion resistance. Replacing malleable iron with DI-MAX ductile iron elevator buckets will result in longer bucket life and more efficient operation.

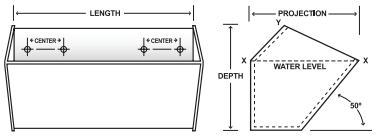


BUCKET SIZE, INCHES							THICKNESS			CAPACITY	
BUCKET SIZE	Length		Projection		Depth		Back Wall Thickness	Front Corner Thickness	Front Lip Thickness	Water Cu. Inches X-X	100% Gross Cu. Inches X-Y
	in.	mm	in.	mm	in.	mm					
12 x 8	12-1/2	318	9-1/4	235	9	229	.425	.575	.550	368.9	472.4
16 x 8	16-1/2	419	9-1/4	235	9	229	.425	.600	.550	508.1	651.4
18 x 10	18-3/4	476	11-1/2	292	11	279	.550	.675	.700	874.5	1139.2
24 x 10	24-3/4	629	11-3/4	298	11	279	.410	.725	.600	1231.6	1570.9

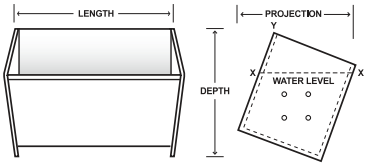
AA Welded Steel



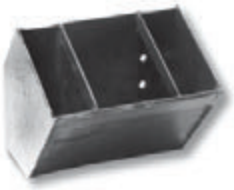
AC Welded Steel

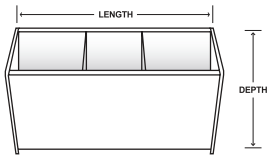


SC Welded Steel

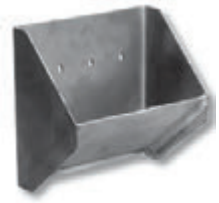


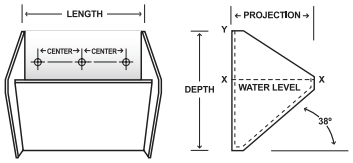
ACS Welded Steel



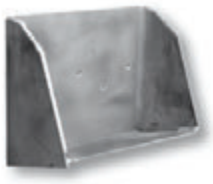


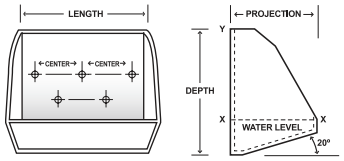
MF (Medium Front) Continuous Welded Steel



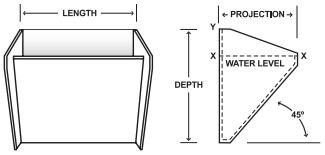


LF (Low Front) Continuous Welded Steel





HF (High Front) Continuous Welded Steel



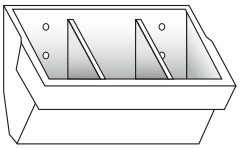
GAUGE / THICKNESS OPTIONS:
14ga, 12ga, 10ga, 7ga, 1/4”, 5/16”, 3/8”, 1/2” steel

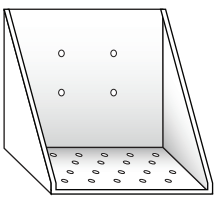
OPTIONS:
Carbon Steel, Stainless Steel, AR Plate, Wear Lips,
Hardened Surface, Hard Bead Welds and Food Grade Polishing

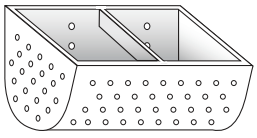
See Fabricated Steel Bucket general standards in full line guide and on website.

Custom Elevator Buckets Built to Your Specifications. Call Us For a Custom Quote.

Providing customized solutions to solve your problems is important to Maxi-Lift. With our large custom metal fabrication shop, we can build products in almost any size, style, or design. Our engineers can work from your drawings, create CAD drawings for approval or copy a sample bucket. We can recommend a combination of materials to help solve wear and performance problems in difficult applications.





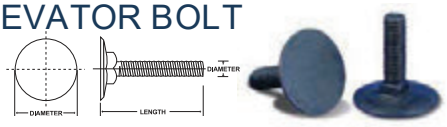


ELEVATOR BOLTS & ACCESSORIES

ELEVATOR BOLTS

STANDARD ELEVATOR BOLT

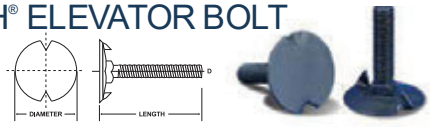
Standard #1 Norway
- Carbon
- 302 Stainless Steel
- Zinc Plated



STANDARD ELEVATOR BOLT			
SIZE, INCHES	WEIGHT / 100 PCS., LBS.	CASE QTY	KEG BULK QTY
1/4 x 3/4	2.94	1200	2000
1/4 x 1 *	3.24	1200	1700
1/4 x 1-1/4 *	3.43	1200	1500
1/4 x 1-1/2 *	3.73	1200	1300
1/4 x 1-3/4	3.98	1200	1200
1/4 x 2	4.29	1200	1000
1/4 x 2-1/4	4.88	600	900
1/4 x 2-1/2	4.92	600	800
5/16 x 3/4	4.76	1200	1200
5/16 x 1 *	5.05	1200	1000
5/16 x 1-1/4 *	5.55	1200	900
5/16 x 1-1/2 *	6.38	600	800
5/16 x 1-3/4	6.50	600	700
5/16 x 2 *	7.12	600	600
5/16 x 2-1/4	7.43	600	550
5/16 x 2-1/2	7.78	600	500
3/8 x 1-1/4	6.54	600	750
3/8 x 1-1/2	7.10	600	700
3/8 x 1-3/4	7.66	600	600
3/8 x 2 *	8.31	600	500
3/8 x 2-1/4	9.35	600	450
3/8 x 2-1/2	9.83	600	400
3/8 x 3	10.79	600	300

SABRE-TOOTH® ELEVATOR BOLT

Sabre-Tooth®
- Carbon
- 302 Stainless Steel
- Zinc Plated



SABRE-TOOTH ELEVATOR BOLT			
SIZE, INCHES	WEIGHT / 100 PCS., LBS.	CASE QTY	KEG BULK QTY
1/4 x 3/4	2.94	1200	2000
1/4 x 1 *	3.24	1200	1700
1/4 x 1-1/4 *	3.43	1200	1500
1/4 x 1-1/2 *	3.73	1200	1300
1/4 x 1-3/4	3.98	1200	1200
1/4 x 2 *	4.29	1200	1000
1/4 x 2-1/4	4.88	600	900
1/4 x 2-1/2	4.92	600	800
5/16 x 3/4	4.76	1200	1200
5/16 x 1 *	5.05	1200	1000
5/16 x 1-1/4 *	5.55	1200	900
5/16 x 1-1/2 *	6.38	600	800
5/16 x 1-3/4 *	6.50	600	700
5/16 x 2 *	7.12	600	600
5/16 x 2-1/4	7.43	600	550
5/16 x 2-1/2	7.78	600	500
3/8 x 1-1/4	6.54	600	750
3/8 x 1-1/2	7.10	600	700
3/8 x 1-3/4	7.66	600	600
3/8 x 2 *	8.31	600	500
3/8 x 2-1/4	9.35	600	450
3/8 x 2-1/2	9.83	600	400
3/8 x 3	10.79	600	300

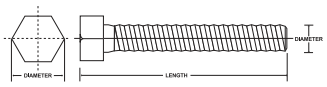
SABRE-TOOTH® BOLT (POINTED)

Sabre-Tooth®
- Carbon Steel

SABRE-TOOTH ELEVATOR BOLT			
SIZE, INCHES	WEIGHT / 100 PCS., LBS.	CASE QTY	KEG BULK QTY
1/4 x 1-1/4	2.52	1800	2100
1/4 x 1-1/2	2.78	1300	1800
5/16 X 1-1/4	4.60	900	1200
5/16 X 1-1/2	4.15	1000	1500

HEX HEAD BOLT

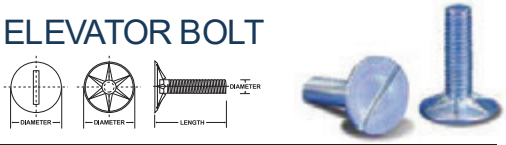
- Zinc Plated • Grade 5
- Used with Chain Attachments



HEX-HEAD ELEVATOR BOLT			
SIZE, INCHES	WEIGHT / 100 PCS., LBS.	CASE QTY	KEG BULK QTY
1/2 X 1	8.50	1200	1700
1/2 x 1-1/4	9.45	1200	1500
1/2 x 1-1/2	10.70	1200	1300
3/8 x 1	4.15	1200	1700
3/8 x 1-1/4	4.80	1200	1500
3/8 x 1-1/2	5.65	1200	1300

RELIANCE ELEVATOR BOLT

#3 Slotted Head
- Carbon Steel
- Zinc Plated



RELIANCE ELEVATOR BOLT			
SIZE, INCHES	WEIGHT / 100 PCS., LBS.	CASE QTY	KEG BULK QTY
1/4 x 3/4	2.7	1200	2400
1/4 x 1	1.9	1800	2500
1/4 x 1-1/4	3.0	1200	1800
1/4 x 1-1/2	3.5	1200	1800
5/16 x 1-1/4	4.9	1200	1200

*Available in 302 Stainless Steel

Continually applies metallography tests to our fasteners to ensure the finest quality parts are upheld. ASTM certificates are on file and available upon request.

MAXI-LIFT BELT SPLICES

Elevator Belt Fastening Systems

MAXI-SPLICE SUPER & ULTRA

The MAXI-SPLICE SUPER and ULTRA are the next generation of elevator belt splices. The unique design embraces our Maxi-Splice three piece construction, with the addition of an NBR rubber wedge to protect against belt wear for long life. Each is designed with a larger radius for improved belt life. The smaller ULTRA features a single bolt design. The larger SUPER has two bolts for additional clamping force and plate friction.

MAXI-SPLICE SUPER

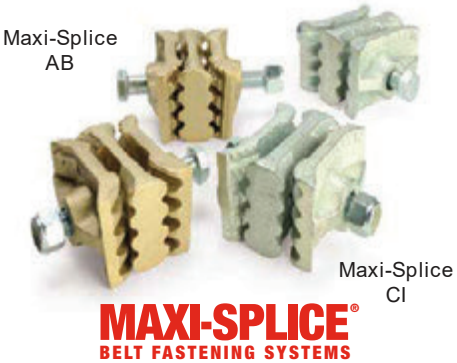
- High Grade, Lightweight Aluminum Construction
- NBR Rubber Wedge Protects Backside of Belt
- Weight: 4.8 lbs. each
- Two Bolt Design
- 3/4" x 5" and 3/4" x 5-1/2" Hex Head Bolts
- Usable on Belts Rated 800-1200 PIW tensile.

MAXI-SPICE ULTRA

- High Grade, Lightweight Aluminum Construction
- NBR Rubber Wedge Protects Backside of Belt
- Weight: 1.93 lbs. each
- One Bolt Design
- 5/8" x 4-1/2" Hex Head Bolt
- Rated for belts up to 800 PIW

MAXI-SPLICE® AB & CI

- The MAXI-SPLICE is a mechanical clamping device with a simple 3-piece construction. The design is for use on PVC and rubber belting.
- Maximum operating temperatures: AB: 500°F, CI: 600°F.
- Each splice set accommodates two inches of belt width.
- It is tested and approved by leading manufacturers of PVC and rubber belting.



MAXI-SPLICE AB

- 9/16" Diameter Grade 5 Bolt
- 9/16" x 5" Hex Head Bolts
- Non-Ferrous Metal of Very High Tensile Strength
- Usable On Belts of up to 800 PIW Tensile
- Non-Sparking, Non-Corroding & Non-Rusting
- Bronze Color
- Weight: 2.9 Lbs. Each

MAXI-SPLICE CI

- Ferrous Metal of Moderately High Tensile Strength
- 1/2" x 5" Hex Head Bolts
- Usable on Belts of Up to 600 PIW Tensile
- Silver Color
- Weight: 2.6 Lbs. Each

WARNING: DO NOT USE MAXI-SPLICE ON MANLIFTS!

Please read all instructions before installing any Maxi-Splice product. Instructions can be found at www.maxilift.com. Failure to follow installation instructions may result in splice failure. As with any belt splice, continuous, regular inspections are required or failure can occur.

Never mix Maxi-Splice products on a single installation. Reduced or uneven clamping pressure may occur compromising splice integrity and could result in splice failure.

Maxi-Lift neither solicits nor recommends the use of any Maxi-Splice belt clamp for splicing man-lift belts. Maxi-Splices were neither designed for nor tested for this purpose. Any installation of a Maxi-Splice product for this purpose may result in splice failure causing serious bodily harm or even death. Do not use on steel cable belts.

Do not re-use nylon insert lock nuts when reinstalling Maxi-Splices. Please use new nylock nuts for reinstallation. Replacements are available from Maxi-Lift.

For applications exceeding 250° F, nylon insert lock nuts may not be used, as this temperature range exceeds the manufacturer's threshold for nylon integrity. Compression locking nuts should be utilized instead.

While the AB and CI Maxi-Splice may be used on wing pulleys, they may contribute to wear on the backside of the belt at the splice. It is the user's responsibility to inspect the splice at regular maintenance intervals to prevent failure. Noise may also be heard as the splice contacts the wings of the pulley.

DISCLAIMER: The information provided in this catalog may include inaccuracies or typographical errors. Changes are periodically made to the information contained in this catalog. Updated information / changes can be made at any time. Specific questions about the information contained in this catalog can be confirmed with

*All Engineering and technical data provided by Maxi-Lift or Maxi-Lift employees is for general reference only and does not guarantee perfect discharge, or required throughput capacities (bushels per hour, tons per hour, etc) for all bucket elevators including all range of speeds shown within the speed range. We also do not guarantee any impact on material damage as material is moved through a bucket elevator.

Tolerances: Thermal plastic molded products will vary slightly in size, capacity and weight.

Manufacturer recommends storing plastic buckets away from exposure to the sun, as its UV rays and other general weather conditions will diminish the life the product. Exposure to outside weather elements voids all warranties.

MAXI-LIFT BELT SPLICES

Splice Comparison

BELT SPLICE TECHNICAL DATA SHEET

Maxi-Lift Inc.® ELEVATOR SPLICES

		MAXI-SPLICE®	MAXI-SPLICE®	MAXI-SPLICE® ULTRA	MAXI-SPLICE® SUPER	TITAN THE ULTIMATE BELT SPLICE
PART DETAILS	Product	MAXI-SPLICE	MAXI-SPLICE	MAXI-SPLICE	MAXI-SPLICE	MAXI-SPLICE
	Brand	CI	AB	ULTRA	SUPER	TITAN
	Part No.	CI5	AB5	ULTRA5	SUPER5	TITAN
SPLICE CONSTRUCTION	Color	Silver	Manganese Bronze	Silver	Silver	Silver
	Construction	3 Piece Mechanical Clamping Device	3 Piece Mechanical Clamping Device	3 Piece Mechanical Clamping Device with NBR (Nitrile) Rubber Wedge	3 Piece Mechanical Clamping Device with NBR (Nitrile) Rubber Wedge	3 Piece Mechanical Clamping Device with HNBR Rubber Wedge
	Metal Material	Galvanized Cast Iron	Manganese Bronze	Aluminum	Aluminum	Aluminum
	Metal Description	Ferrous Cast Iron	Non-Ferrous Bronze	High Grade, Lightweight Aluminum	High Grade, Lightweight Aluminum	High Grade, Lightweight Aluminum
	Rubber Material	None	None	Replaceable NBR Rubber Wedge	Replaceable NBR Rubber Wedge	Replaceable HNBR Rubber Wedge
SPLICE SPECIFICATIONS	Weight (lbs.)	2.60	2.90	1.93	4.80	Per Application
	Length	3"	3"	4-1/2"	6-1/4"	6"
	Width	2"	2"	2-1/2"	3"	Per Application
	PIW Rated	Up to 600 PIW Tensile	Up to 800 PIW Tensile	Up to 800 PIW Tensile	800-1200 PIW Tensile	Over 1200 PIW
	Recommended Belt Thickness	1/4" to 5/8"	1/4" to 5/8"	1/4" to 5/8"	3/8" to 3/4"	Per Application
BOLT SPECIFICATIONS	No of Bolts	1	1	1	2	Per Application
	Bolt Grade	Grade 5 Hex Head Bolt	Grade 5 Hex Head Bolt	Grade 5 Hex Head Bolt	Grade 5 Hex Head Bolt	M16 10.9 Hex Head Bolt
	Bolt Diameter (Inches)	1/2"	9/16"	5/8"	3/4"	Per Application
	Bolt Length (Inches)	5"	5"	4-1/2"	5" and 5-1/2"	Per Application
	Washers	Yes	Yes	Yes	Yes	Yes
	Nuts	Nylock	Nylock	Nylock	Nylock	Oval Lock Nut
	Recommended Torque *	75 ft./lbs.	100 ft./lbs.	125 ft./lbs.	150 ft./lbs.	Per Application
	Template Tape Included	Yes	Yes	Yes	Yes	Requires Special Template
SHIMS	Required Shims Per Belt Thickness	N/A	N/A	Under 5/16" - No Shims 5/16" to 3/8" - 1 Shim 3/8" to 5/8" - 2 Shims	Under 1/2" - No Shims 1/2" to 5/8" - 1 Shim 5/8" to 3/4" - 2 Shims	N/A
TEMPERATURE RATINGS	Max. Operating Temps	600° F / 350° C	500° F / 260° C	200° F / 93° C (NBR Rubber Wedge Limiting Factor) - Alternative Wedges Available for Higher Temperatures	200° F / 93° C (NBR Rubber Wedge Limiting Factor) - Alternative Wedges Available for Higher Temperatures	320° F / 160° C (HNBR Hydrogenated Nitrile Butadiene Rubber Wedge Limiting Factor)
	Nylock Nut Max. Temp	250° F	250° F	250° F	250° F	320° F
MINIMUM HEAD PULLEY	Agricultural (High Speed) **	12"	12"	24"	30"	48"
	Industrial (Centrifugal/Gravity)	12"	12"	20"	36"	48"
BUCKET PROJECTION	Minimum Recommended	4"	4"	5"	7"	8"
FEATURES/ BENEFITS		Strong, Standard, Mechanical Splice	Non-Sparking, Non-Corroding, Non-Rusting	Non-Sparking, Non-Corroding, Non-Rusting, Longer Belt Life	Non-Sparking, Non-Corroding, Non-Rusting, Longer Belt Life	Non-Sparking, Non-Corroding, Non-Rusting, Longer Belt Life

* When torquing splice bolts, do not use impact wrench as over-torquing will cause both belt and splice failure. In addition, under torquing could lead to insufficient clamp pressure and could create splice failure, and tracking issues. ** On smaller pulleys, the metal shims must be installed correctly, or the rubber wedge could fail.

Customer is responsible for checking the splices on a consistent basis for correct torque during splice operation. Do not reuse hardware (bolts, nylock or oval nuts) when reinstalling splices. Please always read Maxi-Lift Installation Instructions and apply template tape when installing splices for correct installation. See website for more details.

Do not use Maxi-Lift splices on any type of belt manlifts.

U.S. Utility Patent: "U.S. Pat. 9,605,730 B2. U.S. Design Patent: "U.S. Des. Pat. D724,289 S. European Patent Application No. 15154390.7

ELEVATOR BELTS

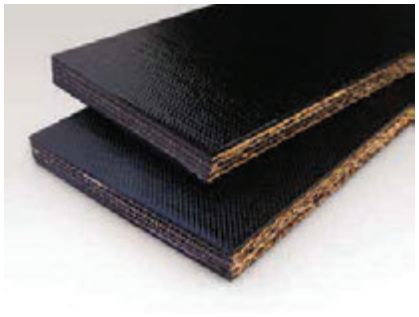
GRAIN & FOOD BELTING

RUBBER GRAIN & PVC BELTING

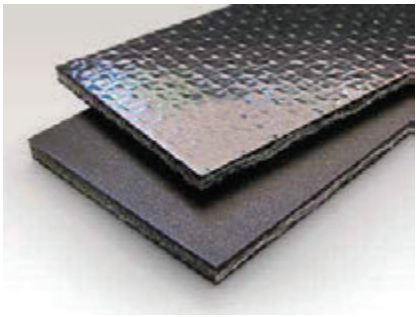
PATHFINDER PLUS SUPREME - MSHA 2G / OSHA 284 - Premium rubber grain belt with the highest oil resistance and lowest stretch, designed for the grain industry where oily grains and controlled mineral or vegetable oil dust suppressive sprays come in contact with the belt.

SOR-SC-FR - MSHA 2G / OSHA ISO 284 - Superior Oil Resistant, Static Conductive and Flame Resistant grain rubber belt ideal for handling crushed grains, rice, fertilizers, animal feeds and oil treated grains.

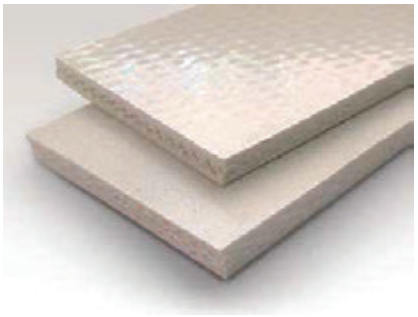
PVC, BLACK & WHITE - MSHA 2G / OSHA 284 - General purpose solid woven PVC cover x cover belt, with FDA and PVGE options, that is ideal for handling whole grains, rice, fertilizers, refined sugars and animal feeds.



RUBBER (Premium) 3/375, 4/500, 3/600, 4/800
(Standard) 220, 330, 440, 600, 800



PVC (Standard) 200, 250, 350, 450, 600



PVC (Food & Grain) 200, 350, 400
White & Black. Also available in FDA White

RUBBER GRAIN & PVC BELTING (STANDARD STOCK)**													
Application	Style	Material	Grade	Rated Working Tension (lbs/in)	Rated Working Tension (N/mm)	Nominal Overall Gauge (in)	Nominal Overall Gauge (mm)	Nominal Weight (PIW)	Nominal Weight (kg/sq. m)	Suggested Minimum Pulley (in)	Suggested Minimum Pulley (mm)	Maximum Bucket Projection (in)	Maximum Bucket Projection (mm)
Grain	PF 3 / 375	Rubber	Premium	375	650	0.303	7.70	0.175	10.25	16	400	9	229
	PF 4 / 500	Rubber	Premium	500	875	0.354	8.99	0.2	11.71	20	500	11	279
	PF 3 / 600	Rubber	Premium	600	1050	0.376	9.55	0.205	12.00	18	450	11	279
	PF 4 / 800	Rubber	Premium	800	1400	0.465	11.81	0.24	14.05	20	500	12	305
	2 / 220	Rubber	Standard	220	400	0.25	6.35	0.145	8.49	14	350	6	152
	3 / 330	Rubber	Standard	330	600	0.3	7.62	0.34	19.91	16	400	8	203
	4 / 440	Rubber	Standard	440	800	0.351	8.92	0.2	11.71	20	500	10	254
	3 / 600	Rubber	Standard	600	1050	0.365	9.27	0.205	12.00	20	500	10	254
	4 / 800	Rubber	Standard	800	1400	0.435	11.05	0.46	26.94	30	750	11	279
	PVC 200	PVC / PVGE	Standard	200	350	0.24	6.10	0.133	7.79	4	100	5	127
	PVC 250	PVC / PVGE	Standard	250	430	0.26	6.6	0.146	8.54	6	150	6	150
	PVC 350	PVC / PVGE	Standard	350	600	0.3	7.62	0.167	9.78	8	200	8	203
	PVC 450	PVC / PVGE	Standard	450	800	0.36	9.14	0.2	11.71	10	250	9	229
	PVC 600	PVC / PVGE	Standard	600	1050	0.375	9.53	0.23	13.47	12	300	10	254
Food / Grain	PVC 200	PVC	White	200	350	0.24	6.10	0.133	7.79	4	100	5	127
	PVC 350	PVC	White	350	600	0.3	7.62	0.167	9.78	8	200	8	203
	PVC 450	PVC	White	450	800	0.36	9.14	0.2	11.71	10	250	9	229

*Belt tables are for general use only, specific manufacturer's data is available upon request.
** Items above are standard stock. Other belts may be in stock.

HAZARD MONITORING SYSTEM

HAZARD MONITORING & EXPLOSION PREVENTION

Preventative maintenance can help reduce the risk of equipment failure and consequent downtimes. When it comes to monitoring your bucket elevators and belt conveyors, 4B can recommend you the ideal combination of sensors and monitoring systems to suit your requirements and budget.

4B provides an extensive range of their own ATEX / IECEx / CSA / CCC / EAC approved hazard monitoring systems, misalignment switches and bearing temperature monitors and level controls. We can offer you anything from a replacement sensor to a fully integrated hazard monitoring system which can be operated either as a stand-alone system or connected to your PLC.

We can offer you a scalable solution starting with correctly chosen equipment and systems that can be expanded at a later date to encompass other machines in the plant.

4B provides installation service and after-sales technical support to help you overcome any technical problems with your monitoring equipment.

CONTENTS

COMBINED HAZARD MONITORING SYSTEMS
Watchdog Super Elite, T500 Elite, IE-NODE

BEARING TEMPERATURE MONITORS
T400 Elite, T400N Elite

BELT ALIGNMENT MONITORS
B400 Elite, A400 Elite

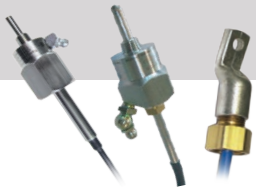
MISALIGNMENT SENSORS FOR BUCKET ELEVATORS
Touchswitch, WDA, BAP

MISALIGNMENT SENSORS & SAFETY SWITCHES FOR BELT CONVEYORS
Bulldog, Pullswitch

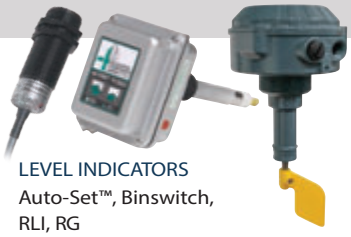
SPEED SWITCHES
M100, M300, M800, Millispeed

INDUCTIVE SENSORS
P100, P300, Whirligig

ENCO DERS
Shaft Encoders, Wheel Encoder



BEARING TEMPERATURE SENSORS
ADB, Millitemp, WDB8, MDB, WDB7



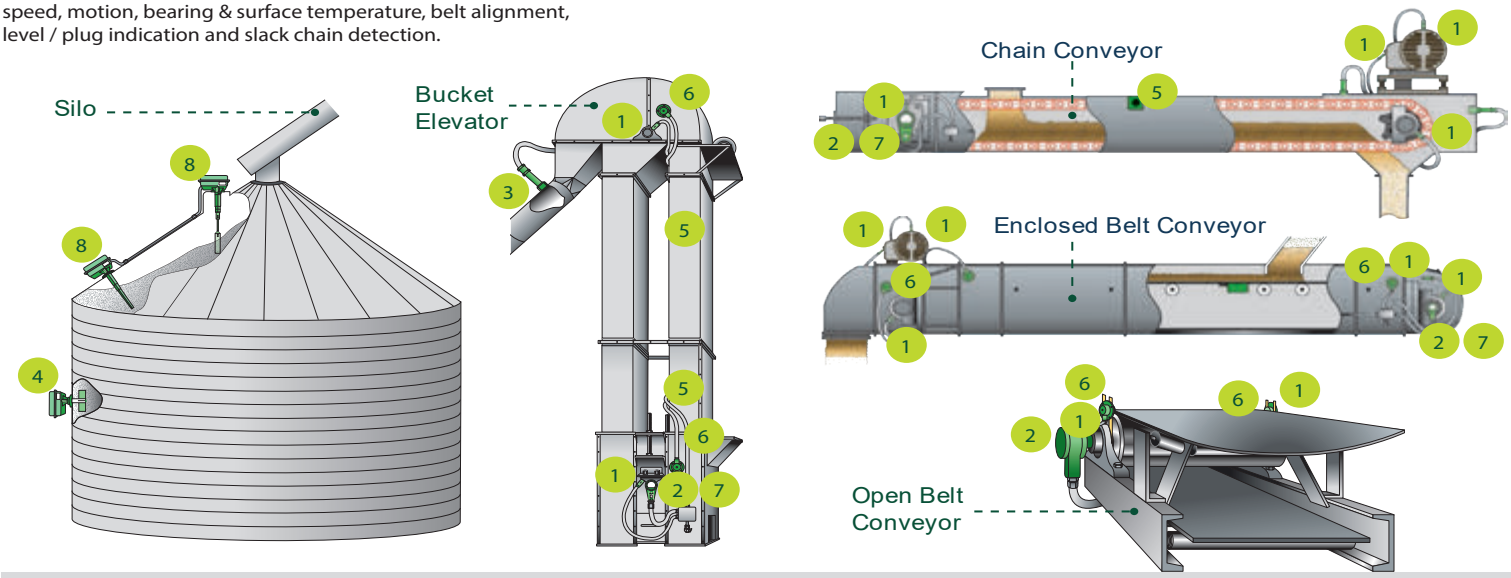
LEVEL INDICATORS
Auto-Set™, Binswitch, RLI, RG

JUNCTION BOXES

BROKEN OR SLACK CHAIN DETECTION

SENSOR APPLICATIONS

These illustrations show typical sensor placements for monitoring: speed, motion, bearing & surface temperature, belt alignment, level / plug indication and slack chain detection.



SENSORS

1 BEARING TEMPERATURE SENSORS

The ADB, MDB, and WDB Series bearing temperature sensors are designed to screw directly into an existing grease zerk fitting on a bearing housing. Each sensor is fitted with a grease nipple to allow lubrication of the bearing without the need for removal of the sensor. Most series are available with either a PTC thermistor with various factory set trip points, or a NTC thermistor with a user adjustable trip point, or as a Pt100 RTD version.

2 SPEED SWITCHES

Monitors rotating machinery for dangerous underspeed conditions. An inductive sensing device located in the nose of the enclosure will detect a metal target. Set to the normal machine RPM, 4B Speedswitches provide alarm and shutdown signals underspeed and stopped motion.

3 BINSWITCH

The Binswitch detects level or plug conditions for bulk granular solids in tanks, bins, or silos and can be used as a plug or choke detector in chutes, conveyors and elevator legs.

4 ROTO LEVEL SERIES

The Roto Level Series are rotary paddle switches designed to detect high and low levels of bulk granular solids in bins, tanks, silos, and as blockage detectors in spouts.

5 WDA 3

The WDA Series are non-contacting extended range magnetic sensors used to detect ferrous targets at a distance of up to 75mm from the sensor. They can be used on chain conveyors to detect slack or broken chain. They can also be used on bucket elevators where they can detect bucket bolts and steel buckets to monitor belt misalignment.

6 TOUCHSWITCH

The Touchswitch is an electro-mechanical limit-switch style sensor with no moving parts. It is designed to detect belt tracking and misalignment problems on bucket elevators and conveyors. Unlike a rub block that utilises friction (heat) to activate, the Touchswitch is pressure sensitive for safer and more reliable monitoring.

7 INDUCTIVE SENSORS

4B inductive proximity sensors are designed to detect shaft speed, shaft position, gate position, or object presence. No contact is made between the sensor and the target being monitored.

8 AUTOSET SERIES

The Autoset Series are self-contained point level monitors with digital displays for high, intermediate, or low-level detection of liquids, powders or free-flowing granular solids. The Autoset Series incorporates simple push-button calibration with microprocessor enable/disable switch for total protection of stored values. Once the unit is calibrated for a specific application, it never has to be re-calibrated.

ELEVATOR / CONVEYOR MONITORING SYSTEMS

COMBINED MONITORING SYSTEMS

PRODUCT	WATCHDOG SUPER ELITE™	T500 ELITE - HOTBUS™	IE-NODE
			
Bearing temperature	✓ (continuous) max. 6 sensors + 2 ambient temp. sensors	✓ (continuous) max. 256 inputs*	8 dual use inputs (contact or NTC temperature)
Belt speed	✓ (continuous) max. 2 inputs – Differential speed monitoring	✓ (continuous) max. 256 inputs*	2 pulse or 4-20mA
Belt alignment	✓ Pulses / Contact / Rub* Blocks 4 inputs	✓ max. 256 sensors*	8 dual use inputs (contact or NTC temperature)
Plugged condition	✓	✓	✓
Pulley alignment	✓	✓	✓
Communication interfaces	Ethernet with Modbus TCP protocol	All major industrial protocols supported via F500 Gateway	Ethernet IP, Profinet, Modbus TCP
Test function	✓	✓	✖
Alarm & shutdown function	✓	✓	✖
Applications	Single elevator or conveyor	Multiple elevators & conveyors; remote monitoring across site	Bucket elevators & conveyors, plant-wide monitoring
Hazardmon.com (Cloud based hazard monitoring)	✓ (Ethernet onboard)	✓ (via F500)	✓ (Ethernet onboard)
Certifications	UKEx / EAC / ATEX / CSA / IECEx / InMetro / Nepsi / CCC	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC

* total number of inputs / sensors, all sensors combined.

SPECIALISED MONITORING SYSTEMS

PRODUCT	T400N ELITE	T400 ELITE	A400 ELITE	B400 ELITE
				
Bearing temperature	✓ (continuous) max. 8 sensors	✓ (discreet PTC) max. 16 sensors	✖	✖
Belt speed	✖	✖	✓	✖
Belt alignment	✖	✖	✓	✓
Plugged condition	✖	✖	✖	✓
Pulley alignment	✖	✖	✖	✓
Communication interfaces	Modbus RTU (RS-485)	✖	✖	✖
Test function	✓	✓	✓	✓
Alarm & shutdown function	✓	✓	✓	✓
Applications	Elevator & conveyors	Elevator & conveyors	Elevators	Elevator & conveyors
Hazardmon.com (Cloud based hazard monitoring)	✖	✖	✖	✖
Certifications	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC	UKEx / ATEX / CSA / IECEx / InMetro / Nepsi / CCC

HAZARD MONITORING SYSTEMS

COMBINED MONITORING SYSTEMS

WATCHDOG SUPER ELITE™

WATCH DOG™ Super Elite

Combined belt speed, belt alignment, continuous bearing temperature, pulley alignment and plugged condition monitoring system

The Watchdog Super Elite™ is a complete elevator and conveyor monitoring system with inputs for most of the types of sensors standard in the industry. Offers top-of-the-class flexibility and approvals. Unprecedented user friendliness via a 3.5" full colour bespoke design graphics screen. Controller settings can be set up either directly on the unit or via a PC application and transferred between the WDC4s and PC via a SD card. In-built Ethernet port with full support for the Hazardmon.com cloud based monitoring service. WDC4 has multi-lingual support. MODBUS/TCP Support with the application notes for Rockwell, Siemens and Mitsubishi PLCs is available.

Powered by HazardMon.com

Features

- Be lt speed monitoring (single and differential speed)
- Belt alignment monitoring (contact, pulsed and rub blocks)
- Bearing temperature monitoring
- Pulley alignment monitoring
- Plug condition monitoring
- Acceleration monitoring
- Jog prevention
- 3.5" Colour graphics LCD display
- SD card for settings save / restore and firmware updates
- Ethernet RJ45 port
- Multi-lingual display
- Hazardmon.com support for real-time remote monitoring and historical ana lysis

Input supply voltage

- 100 to 2 40 VAC
- 24 VDC (u niversal supply)

Sensor supply

- 24 VDC

Sensor options

- AD B, MDB, and WDB: bearing temperature
- WDA Series: motion alignment
- Touchswitch: belt alignment
- Inductive Proximity Sensors: speed (P1003V34AI / P3003V34AI)
- Binswitch: plu gswitch

Approvals

- UK - UKEx
- Euro pe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi / CCC
- Russia - EAC
- Worldwide – IECEx

H x W x D

- 308 x 241 x 137mm

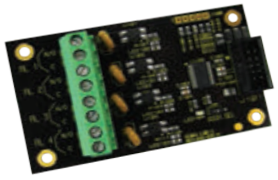
Applications

- Buc ket elevators and con veyors

WATCHDOG EXPANSION CARDS

The Watchdog Super Elite comes with standard 15 sensor inputs. However, it can be extended to up to 27 via the use of expansion cards. Cards can be pre-installed at the factory when ordering a new Watchdog WDC4, or installed into existing control units already in the field.

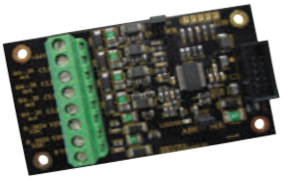
WDC4-AUXO-SSR



4 x solid state alarm relay outputs for the following conditions:

- Speed
- Temperature
- Misalignment
- Auxiliary Inputs

WDC4-AUXI-6AN



Additional analogue inputs:

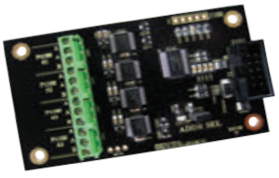
- 4 x 4-20mA current loop inputs (0-20mA range supported)
- 2 x 0-10VDC analogue inputs
- Individually enabled and configured in WDC4

WDC4-AUXI-6NTC

Additional NTC type temperature inputs:

- 6 x NTC inputs
- 2 x Sensor power supply (+24VDC)
- Individually enabled and configured in WDC4

WDC4-AUXI-4PT100



Additional Pt-100 type temperature inputs:

- 4 x Pt-100 inputs
- Temperature range: -200 to 535 degrees C
- Three-wire configuration
- Individually enabled and configured in WDC

COMBINED MONITORING SYSTEMS

IE-NODE (INDUSTRIAL ETHERNET-NODE)

Remote Sensor Monitoring for PLC's & Automation Systems

The Industrial Ethernet Node (IE-NODE) is a remote monitoring interface designed to provide sensor data to PLC's or other automation and control systems. The IE-NODE is available in two versions, both with a total of 10 sensor inputs. Version 1 has 8 contact or NTC temperature inputs, and 2 pulse or 4-20 mA (current loop) inputs. Version 2 has 10 inputs for 4-20 mA (current loop) sensors. Both units can be expanded to 16 sensor inputs with the installation of optional expansion boards. The IE-NODE operates by reading its sensor inputs and sending processed data when requested by another system (e.g. PLC). The units are equipped with RJ45 Ethernet sockets and support PROFINET, EtherNet/IP and Modbus TCP/IP protocols for easy integration with Siemens, Allen-Bradley Rockwell, Delta V, Modicon and other PLC's or automation devices.

Features

- Sensor Interface for PLC's & Automation Systems
- Supports PROFINET, EtherNet/IP and Modbus TCP/IP
- Up to 16 Total Sensor Inputs with Available
- Expansion Boards
- Configuration Software for Easy Network
- Set Up and Visual Overview of All Devices

Input supply voltage

- 100 to 2 40 VAC
- 24 VDC (u niversal supply)

Sensor supply

- 24 VDC

Sensor options

- Temperature (Bearing & Surface) - ADB Series (NTC Type) & Milli-Temp Series (4-20 mA)
- Belt Misalignment - Touchswitch (Contact) or Rub Block (NTC Type)
- Belt Speed & Slip - Milli-Speed Switch (4-20 mA), P300 Proximity Sensor (Pulse), P800 Proximity Sensor (Pulse), M800 Elite Speed Switch (Pulse)
- Level Indication: Auto-Set™ or Rotary Paddle Series
- Plug or Level Indication: Binswitch Elite or Auto-Set™

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwide – IECEx

H x W x D

- 248 x 188 x 133mm

Applications

- Buc ket elevators and con veyors, plant-wide monitoring

IE-NODE EXPANSION CARDS

The IE-NODE comes with standard 10 sensor inputs. However, it can be extended to up to 16 via the use of expansion cards. Cards can be pre-installed at the factory when ordering a new IE-Node, or installed into existing control units already in the field.

ETH-NODE-AUXSW-4P

Expansion board for use with 4B's IE-Node Monitors:

- Allows an additional 4 Ethernet Ports to be added to the IE-Node
- Enables flexible cable routing for reduced material costs and installation time

ETH-NODE-AUXI-6AN

Additional analogue inputs:

- Supports 6 extra 4-20 mA CLI (Current Loop Input) sensors
- RS485 Modbus RTU connection capability

ETH-NODE-AUXI-6NTC

Additional NTC type temperature inputs:

- 6 extra NTC temperature sensors or 6 contact sensors, or any combination of 6
- RS485 Modbus RTU connection capability

ETH-SWITCH1V4C-5P (IE-SWITCH)

An unmanaged switch with 5x RJ45 Ethernet sockets for 10/100 Mbps Ethernet Communications. Designed to work with 4B's IE-Nodes or any other devices requiring 10/100 Mbps Ethernet communications.

COMBINED MONITORING SYSTEMS

T500 ELITE - HOTBUS

Serial network system for continuous monitoring of bearing temperature, belt misalignment, and more

The T500 Elite - Hotbus™ is a serial communication system specially designed to monitor up to 256 sensors, including continuous bearing temperature and belt misalignment. With automatic machine shutdown capability and PLC/PC compatibility this advanced microprocessor based system offers low cost installation, versatility and easy system expansion.

Features

- Contin uous bearing temperature monitoring with user adjustable trip points
- RS485 serial communication
- Monitors up to 256 sensors
- 4 second scan time with 256 sensors installed
- Works with many types of sensors
- Enter your own sensor/location names for easy identification
- Alarm and shutdown features
- Gateways available for various PLC connections
- HazardMon.com® cloud based hazard monitoring compatibl e

Sensor options

- ADB, MD B, and WDB: bearing temperature
- Touchswitch: belt alignment
- P3003V34AI + SN2 Node: speed
- Autoset Series: level indicator
- Roto-Level Series: level indicator
- Binswitch: level and plug indicator

Input supply voltage

- 100 to 240 VAC
- 24 VDC (unive rsal supply)

Sensor supply

- Use external 24 VDC supply

Approvals

- UK - UKEx
- Euro pe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwid e – IECEx

H x W x D

- 246 x 188 x 102mm

Applications

- Bucket elevators and conveyors

ACCESSORIES

HazardMon.com®

HazardMon.com® is a secure cloud based hazard monitoring solution providing status notifications and data logging for bucket elevators and conveyors. Live system status, graphs and historical data can be viewed on any web-enabled device (smartphone, tablet PC, desktop or laptop computer). Emails can be sent to notify users whenever a change in the system's health is detected. An automated maintenance feature allows site operators to verify that all sensors on the system are operational and working correctly.

F500 Elite Fieldbus Gateway

The F500 is a communications gateway that allows for single point access to a maximum of four T500 Elite Hotbus™ systems via Fieldbus protocol. Fieldbus communication protocols supported include: Ethernet IP, Modbus TCP, Modbus RTU, DeviceNet, Profibus and others.

R500 Elite Alarm Relay Interface

The R500 is a microprocessor-controlled unit, which accepts signals from the T500 Elite Hotbus™ monitor, and is able to cause alarm or shutdown of equipment when a sensor exceeds its programmed alarm tolerance.

Hotbox Node – TN4 (Input Node)

The TN4 is a four input sensor node, powered by 24 VDC. Each input can be an NTC thermistor, PTC thermistor or Volt-Free Contact input; the types may be interchanged on a single node. The Node has a unique 4 digit address which is used to communicate to the T500 via a two wire serial RS485 connection. The TN4 Node processes information from electrical inputs into network data inputs for ADB, WDB , Binswitch or Touchswitch.

Hotbox Node – SN2 (Speed Node)

The SN2 is a two input speed node, powered by 24 VDC. The node is able to monitor two independent pulse (speed) sources for dangerous under speed conditions. The SN2 will support pulses which are PNP or sourced. The Node has a unique 4 digit address which is used to communicate to the T500 via a two wire RS485 connection. The SN2 processes information from electrical inputs into network data.

Hotbus™ Node Tester

The Hotbus Node Tester is a portable testing unit that can be used in the field to determine the operational status of any Hotbus communications node and network to quickly identify wiring or node issues.

Simply plug the network connection cable directly to the node. A digital display on the tester will show the status of the node which can determine if the node is operating correctly.

CLOUD-BASED HAZARD MONITORING

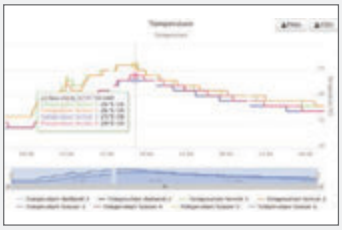
HAZARDMON

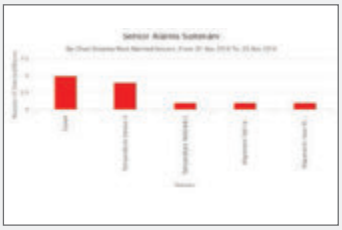
HazardMon.com ® is a secure cloud based hazard monitoring solution providing status notifications and data logging for bucket elevators and conveyors. Live system status, graphs and historical data can be viewed on any web-enabled device (smartphone, tablet PC, desktop or laptop computer). Emails can be sent to notify users whenever a change in the system's health is detected. An automated maintenance feature allows site operators to verify that all sensors on the system are operational and working correctly.

Features

- Secure Cloud Based Hazard Monitoring
- Works with T500 Elite Hotbus™ & Watchdog Super Elite
- Data Logged Automatically
- Real Time System Status & Alert Email Notifications
- Automated Maintenance
- View on Any Web-Enabled Device

HazardMon.com ® enables the WDC4 and T500 systems to become Industry 4.0 enabled. It offers real-time visualization and notifications for connected users anywhere in the world. All the data is collected with a two second latency and everything is saved for historical analysis.





Live View

Real-time remote view of your factory from anywhere in the world. Support mobile and desktop views. Data is dynamically updated and presented in most efficient view for operators and managers to understand.

Data Chartin g

Any sensor data can be charted in a matter of two clicks. Time range is selectable between 1h and 30 days. There is also a live chart function for real-time maintenance of site.

Data Analysis

Comprehensive reports for the management to make quick data-driven decisions. With the help of Hazardmon analytics factory management can make maintenance budgeting decisions in matter of minutes. All the Hazardmon reports are exportable and can be easily incorporated into internal health and safety and performance reports.

Automated Maintenance

Completely automated sensor testing process, which allows factory maintenance staff and management to comply with the annual or bi-annual test schedule. Just click on a sensor which needs testing, cause and alarm and clear the alarm. All of the conditions are logged along with the sensor location, name, operator full name, date and time, as well as the test outcome. The maintenance report can then be easily generated and exported in .CSV format.

Continuous Improvements

Hazardmon is updated several times a year with feedback from existing and new customers driving the changes. There is a constant flux of new industry-leading features.

Hazardmon together with the innovative sensing solutions allows 4B Group to stay a technology and solutions leader in the industry and at the forefront of Industry 4.0 and IoT research.

TEMPERATURE MONITORING

T400N ELITE HOTSWITCH

Bearing temperature monitor

The T400N Elite Hotswitch is a microprocessor controlled temperature monitor, which works in conjunction with NTC temperature sensors to monitor up to 8 bearings and can provide an alarm and automatic shutdown when a high bearing temperature condition is detected.

Features

- Monitors up to 8 NTC bearing sensors
- Includes 2 separate alarm and 2 separate stop relays (2 machines monitored).
- Short circuit / open circuit fail-safe detection
- Status LEDs provide quick location of the hot bearing condition
- A range of alarms temperatures available from 45°C to 80°C
- Alarm mute with automatic time delayed reactivation
- PLC board (optional)

Sensor options

- ADB, MDB, and WDB Series: bearing temperature
- Extensive range of sensors available from 50 - 100°C
- Continuous temperature sensors
- Modbus RTU connection

Input supply voltage

- 100 to 240 VAC
- 24 VDC (universal supply)

Sensor supply

- 24 VDC

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwide – IECEx

H x W x D

- 246 x 188 x 102mm

Applications

- Bucket elevators and conveyors

T400 ELITE HOTSWITCH

Bearing temperature monitor

The T400 Elite Hotswitch is a microprocessor controlled temperature monitor, which works in conjunction with PTC temperature sensors to monitor up to 48 bearings and can provide an alarm and automatic shutdown when a high bearing temperature condition is detected.

Features

- Monitors 8 zones with up to 6 PTC sensors in each zone (48 total)
- Status LEDs provide quick location of the hot bearing condition
- Sensors are positively mounted grease through
- Alarm mute
- PLC board with 8 contact outputs (optional)
- Cold / hot status only

Sensor options

- ADB-MDB-WDB Series: bearing temperature
- Extensive range of sensors available from 50 - 100°C
- PTC type - step sensors

Input supply voltage

- 100 to 240 VAC
- 24 VDC (universal supply)

Sensor supply

- 24 VDC

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwide – IECEx

H x W x D

- 246 x 188 x 102mm

Applications

- Bucket elevators and conveyors

BELT ALIGNMENT MONITORING

B400 ELITE

Conveyor or bucket elevator belt alignment monitoring system

The B400 Elite is a microprocessor based control unit which uses sensors to detect belt misalignment by pressure (Touchswitch) from one or two elevators/conveyors. The unit is able to provide an alarm and automatic shutdown of the elevator/conveyor when a belt misalignment condition is detected.

Features

- Uses u p to 4 touch sensors
- Monitors alignment of belts in two separate machines or top and bottom alignment in one machine
- Includes 2 separate alarm and 2 separate stop relays
- Simple, reliable, consistent
- Fully functional test via push button on front panel for general testing

Sensor options

- Touchswitch: force activated

Input supply voltage

- 100 to 240 VAC
- 24 VDC (univ ersal supply)

Sensor supply

- 24 VDC

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwide – IECEx

H x W x D

- 246 x 188 x 102mm

Applications

- Belt bucket elevators and conveyors

A400 ELITE

Bucket elevator belt alignment monitoring system

The A400 Elite is a microprocessor based control unit which uses high power magnetic sensors that detect moving metallic buckets or bolts from either one or two bucket elevators. The unit is able to provide an alarm and automatic shutdown of the elevator when a belt misalignment/ underspeed condition is detected.

Features

- Use s up to 4 magnetic (reluctance) alignment sensors
- Monitors alignment of belts in two separate elevators or top and bottom alignment in one elevator
- Includes 2 separate alarm and 2 separate stop relays
- Simple, reliable, consistent
- Fully functional test via push button on front pan el

Sensor options

- WD A Series: motion alignment
- BAP Series: motion align ment

Input supply voltage

- 100 to 240 VAC
- 24 VDC (u niversal supply)

Sensor supply

- 24 VDC

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Worldwide – IECEx

H x W x D

- 246 x 188 x 102mm

Applications

- Belt bucket elevators

BELT MISALIGNMENT MONITORS

TOUCHSWITCH

Touchswitch
Belt/pulley misalignment sensor

The Touchswitch is an electro-mechanical limit switch with no moving parts, that detects the misalignment of both pulleys and belts in conveyors and bucket elevators. The sensor detects the lateral force of the belt or pulley and activates a volt-free solid state relay. Sensor output can be used to activate an alarm or shutdown the machine. The sensors are normally installed in pairs on opposite sides of the belt/pulley.

Features

- Hardened stainless steel face
- External test wheel for quick and simple sensor/system testing
- Not affected by dust or material build up
- No calibration or sensitivity adjustment needed
- No calibration needed
- No moving parts
- Food Grade (TS2V34AI-FG) type available.

Supply voltage

- 12-24 VDC

Compatible 4B control unit

- Watchdog
- T500
- B400

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Russia - EAC (all TS except TS2V34AI)
- Worldwide – IECEx

Applications

- Belt/pulley misalignment on elevators and conveyors

WDA HIGH POWER SENSOR

WDA
Belt alignment/ speed and chain break monitor.

High temperature version

The WDA sensor detects moving ferrous material and is designed for use with bucket elevators to detect buckets, for measurement of speed and alignment. WDA is a non-contact sensor, detecting metallic targets at up to 100mm range. It can also detect ferrous bolts where plastic or 316 stainless buckets are used. The sensor is used in conjunction with a PLC or with a Watchdog or A400 Elite control unit.

Features

- Long ran ge magnetic sensor unaffected by material build up
- Continuously monitors the moving elevator, with visual indication by an LED
- 25-75mm range depending on the size of the target, easily adjusted from the sensor itself or from the optional independent control unit
- Mounting bracket included
- Stainless steel construction
- High temperature version available (not ATEX approved)

Supply voltage

- 24 VDC

Compatible 4B control unit

- Watchdog

Approvals

- UK - UKEx
- Europe – ATEX (standard version)
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi
- Worldwide – IECEx

Applications

- Belt alignment
- Belt speed (when used with Watchdog)
- Chain slack / break monitor (page 21)

BAP

BAP
Belt alignment/ speed monitor

The BAP detects moving ferrous material and is designed for use with bucket elevators to detect belt misalignment condition. It can also detect ferrous bolts where plastic or 316 stainless buckets are used . The sensor is used in conjunction with a PLC or with a Watchdog or A400 Elite control unit.

Features

- Mag netic sensor unaffected by material build up
- Continuously monitors the moving elevator, with visual indication by an LED
- 12-50mm range depending on the size of the target, easily adjusted from the sensor itself or from the optional independen t control unit

Supply voltage

- 12/24 VDC

Compatible 4B control unit

- Watchdog

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Russia - EAC
- Worldwide – IECEx

Applications

- Belt alignment sensor

BELT ALIGNMENT & RIP DETECTORS CONVEYOR SAFETY STOP SWITCH

BULLDOG

Bulldog
Belt Alignment
& Rip Detection
Switch

The Bulldog alignment and rip detection switch is an electro-mechanical system designed to detect dangerous belt misalignment and belt tear damage on open belt conveyors. The switch will detect misalignment of belts when contact is made with the roller; the roller arm will be forced to pivot by the belt activating a switch at 20° to trigger an alarm, and 35° to trigger a shut down. The sensors are usually installed in pairs on opposite sides of the belt. A flexible wire is set below the running conveyor belt attached by a rare earth magnet at each end. If the belt is ripped or damaged the wire is pulled away releasing the magnet connection which in turn will activate a switch to trigger an alarm or shut down.

Features

- E asy installation without calibration
- Solid construction
- Triggers an alarm at 20° and a shutdown of the machine at 35°
- Wire rope for optional belt rip detectio n

Supply voltage

- 110-240 VAC

Compatible 4B control unit

- Watchdog
- T500
- B400

Approvals

- UK - UKEx
- Europ e – ATEX
- China - CCC
- Worldw ide – IECEx

Applications

- Op en belt conveyor alignment monitoring
- Belt rip detection

PULLSWITCH

Pullswitch
Conveyor Safety Stop Switch

The Pullswitch is a failsafe taut wire emergency pull cord stop switch for open conveyors. PVC coated steel pull wires and pigtails connect between the switches to provide easy installation and continuous emergency stop access along the length of the entire conveyor. Pullswitches can be installed at 60m intervals, reducing overall system cost. Quick location of a tripped switch is provided by a flag marker or optional reflector, and the tripped signal can be wired back to a PLC or one of 4B's controllers.

Features

- Pullwi re safety switch provides a safe and reliable means of stopping conveyors
- Double ended pull mechanism as standard
- Slack or taut wire operation
- Tough UV stabilised lightweight polycarbonate enclosure
- Designed for arduous environments e.g. quarries, open cast mines

Approvals

- UK - UKEx
- Euro pe – ATEX
- USA, C anada – CSA

Applications

- Safety stop switch for open belt conveyors

Pullswitch installed on open belt conveyor

SPEED SWITCHES

M100 STOPSWITCH

Stopped motion monitor

The Stopswitch is a straightforward shaft speed monitoring device. The 2-wire technology saves you time and makes installation hassle-free. If the shaft stops rotating, the Stopswitch will provide an output. It requires no calibration to operate and is a great tool for process control, motion verification and stopped shaft indication.

Features

- Small 1 8mm diameter
- Totally sealed
- 3m cable
- Status LED's

Style

- 18mm cylindrical

Supply voltage

- 24 to 240 VAC/VDC

Output

- Stopped motion detection

Approvals

- UK - UKEx
- Europe - ATEX
- Brazil - InMetro
- Russia - EAC
- China - Nepsi, CCC
- Worldwide – IECEx

Applications

- Proc ess control
- Provides a signal when the shaft has stopped rotating

M300 SLIPSWITCH 2 OR 5-WIRE

Intelligent underspeed switch 2 or 5-wire version available

User friendly and easy to install, the Slipswitch is a simple shaft speed monitoring device. Available in 2-wire and 5-wire models, the Slipswitch is self-calibrating and provides a 20% underspeed output to protect against dangerous belt slip and underspeed conditions.

Features

- Totally sealed
- Auto calibration
- 2 or 5-wire connection
- 3m cable
- Status LED's

Style

- 30mm cylindrical

Supply voltage

- 24 to 240 VAC/VDC

Output

- 20% underspeed detection

Approvals

- UK - UKEx
- Europe - ATEX
- Brazil - InMetro
- Russia - EAC
- China - Nepsi, CCC
- Worldwide – IECEx

Applications

- Convey ors, bucket elevators, any speed sensitive shaft for automatic 20% underspeed detection

M800 SPEEDSWITCH

Intelligent underspeed switch with three outputs

A solid state unit with no moving parts, the M800 is maintenance free. The unit operates using an inductive sensing device and requires no contact with the monitored machine. The M800 is calibrated to the machine's normal RPM. If the shaft speed falls by 10%, the M800 will alarm, and by 20% it will shut the machine down.

Features

- Totally sealed
- Auto calibration
- 1/2-inch conduit entry with 2m cable
- Status LE D's

Style

- DIN (40mm x 40mm)

Supply voltage

- 24 - 240 VAC/VDC

Output

- 1 x 10% underspeed relay
- 1 x 20% underspeed relay
- 1 x opto-isolated pulse (All 3 outputs in 1 unit)

Approvals

- USA, Canada - CSA

Applications

- Conveyors, bucket elevators, any speed sensitive shaft for automatic underspeed detection with 10% alarm and 20% shutdown and pulsed output.

All 4B speed and inductive sensors are compatible with the Whirligig universal shaft sensor mount.

SPEED SWITCHES

MILLISPEED - EU

Intelligent underspeed switch with three outputs

The Milli-Speed Switch with 4 - 20 mA output is designed to detect belt slip, belt underspeed, stop motion, and zero speed on bucket elevators, conveyors, airlocks, mixers, fans, grinders and many other rotating machines. Totally sealed and simple to calibrate.

Features

- 4 - 20 mA output
- Normalised output
- Simple magnetic calibration
- Loop powered (2 wire)
- Totally sealed construction: submersible
- Easy installation with Whirligig® mount
- SpeedMaster™ compatible for accurate testing

Style

- 30mm cylindrical

Supply voltage

- 24 to 240 VAC
- 17-30 VDC

Output

- Over s peed 20 mA (of calibrated speed)
- Calibrated speed 17 mA (100%)
- Zero speed 4 mA (0 - 10% of calibrated speed)

Approvals

- UK - UKEx
- Europe - ATEX
- Brazil - InMetro
- Russia - EAC
- China - Nepsi, CCC
- Worldwide – IECEx

Applications

- Conveyors, elevators, any speed sensitive shaft for automatic underspeed detection with 10% alarm and 20% shutdown

MILLISPEED - US

Monitors Rotating Machinery for Dangerous Underspeed Conditions

The Milli-Speed Switch with 4 - 20 mA output is designed to detect belt slip, belt underspeed, stop motion, and zero speed on bucket elevators, conveyors, airlocks, mixers, fans, grinders and many other rotating machines. Totally sealed and simple to calibrate.

Features

- 4 - 20 mA output
- Normalised output
- Simple magnetic calibration
- Loop powered (2 wire)
- Totally sealed construction: submersible
- Built in conduit adaptor (1/2" NPT)
- Easy installation with Whirligig® mount
- SpeedMaster™ compatible for accurate testing

Style

- DIN (40mm x 40mm)

Supply voltage

- 17 - 30 VDC

Output

- Over speed 20 mA (123% or more of calibrated speed)
- Calibrated speed 17 mA (100%)
- Zero speed 4 mA (0 - 10% of calibrated speed)

Approvals

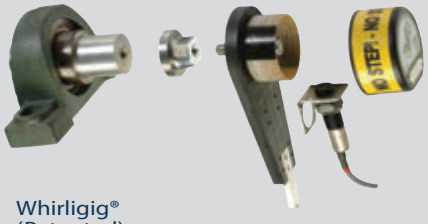
- USA, Canada - CSA

Applications

- Conveyors, elevators, any speed sensitive shaft for automatic underspeed detection with 10% alarm and 20% shutdown

ACCESSORIES

WHIRLIGIG



Whirligig® (Patented)

The Whirligig is the new standard for shaft speed monitoring. It is a three-in-one universal shaft sensor mount that makes installation simple and more reliable for all inductive shaft speed sensors.

Your sensor mounts to the Whirligig and the complete assembly bolts to the machine's shaft. Machine and shaft vibration does not affect the performance of the sensor, as the whole assembly moves with the shaft. Personal safety is also improved since the rotating target is completely enclosed behind a tough plastic cover.

- Fully Guarded Target for Easy Mounting of Motion Sensors
- For DIN Style and Standard Cylindrical Inductive Sensors
- Easy Installation – Only Requires M12 Tapped Hole in the Machines Shaft or Use a Mag-Con™ for Magnetic Connection
- Available with 1, 2 or 4 Targets
- Imperial version available
- ATEX, UKEx, EAC

MagCon™ Magnetic Connector (Patented)

50mm diameter magnetic coupler with 150 lb/660N of pulling force for connecting M12 thread to rotating shaft. Saves on drilling and tapping.

>Imperial version available

TEST TOOLS

SpeedMaster™ Speed Switch Tester

The Speedmaster is a calibration and testing device that accurately tests the calibration of a speed switch, and allows testing of the 10% alarm and 20% shutdown features of the sensor while installed on the machine shaft.

INDUCTIVE SENSORS

P100 INDUCTIVE SENSOR

Inductive Proximity Sensor

Inductive proximity sensors used to signal the position of equipment in conveyors, elevators and other mechanical assemblies. Also used as pulse generators for speed detection.

Features

- IP 65
- Watchdog and PLC compatible
- Visual indication of output state by LED

Style

- 18mm cylindrical

Supply voltage

- 24 to 240 VAC/VDC
- 10-30VDC

Output

- FET transistor output
- PNP or NPN output

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Russia - EAC
- Worldwide – IECEx

Applications

- Conveyors, elevators and other mechanical assemblies, and other proximity detection and speed applications.

P300 INDUCTIVE SENSOR

Inductive Proximity Sensor

Inductive proximity sensors used to signal the position of equipment in conveyors, elevators and other mechanical assemblies. Also used as pulse generators for speed detection.

Features

- IP 65
- Watchdog and PLC compatible
- Visual indication of output state by LED

Style

- 30mm cylindrical
- 2 and 4 wire

Supply voltage

- 24 to 240 VAC/VDC
- 10-30VDC

Output

- FET transistor output
- PNP or NPN output

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Brazil - InMetro
- China - Nepsi, CCC
- Russia - EAC
- Worldwide – IECEx

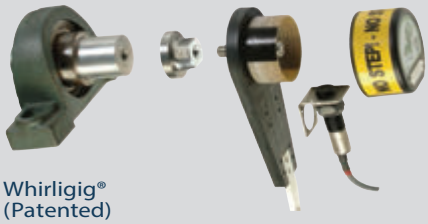
Applications

- Conveyors, elevators and other mechanical assemblies, and other proximity detection and speed applications.

Compatible with the Whirligig speed sensor mount

ACCESSORIES

WHIRLIGIG



Whirligig® (Patented)

The Whirligig is the new standard for shaft speed monitoring. It is a three-in-one universal shaft sensor mount that makes installation simple and more reliable for all inductive shaft speed sensors.

Your sensor mounts to the Whirligig and the complete assembly bolts to the machine's shaft. Machine and shaft vibration does not affect the performance of the sensor, as the whole assembly moves with the shaft. Personal safety is also improved since the rotating target is completely enclosed behind a tough plastic cover.

- Fully Guarded Target for Easy Mounting of Motion Sensors
- For DIN Style and Standard Cylindrical Inductive Sensors
- Easy Installation – Only Requires M12 Tapped Hole in the Machines Shaft or Use a Mag-Con™ for Magnetic Connection
- Available with 1, 2 or 4Targets
- Imperial version available
- ATEX, UKEx, EACEx

MagCon™ Magnetic Connector (Patented)

50mm diameter magnetic coupler with 150 lb/660N of pulling force for connecting M12 thread to rotating shaft. Saves on drilling and tapping.

- Imperial version available

TEST TOOLS

SpeedMaster™ Speed Switch Tester

The Speedmaster is a calibration and testing device that accurately tests the calibration of a speed switch, and allows testing of the 10% alarm and 20% shutdown features of the sensor while installed on the machine shaft.

ROTECH ENCODERS

The 4B heavy duty Rotech rotary shaft encoders are used primarily for protecting equipment and personnel from dangerous underspeed/belt slip conditions in extreme environments. Other applications include accurate speed control, direction of rotation detection, gate position indication and counting the number of revolutions of the shaft.

POLYPROPYLENE SHAFT ENCODER

Features
- Heavy duty design
- 1 to 1,000 PPR
- Multiple outputs
- Intrinsically safe option available
- IP66

Style
- Polypropylene (reinforced with 30% glass)
- Totally self-contained (no guards required)

Supply voltage
Model dependent:
- 10-30Vdc
- 20-240VAC

Output
Model dependent:
- Intrinsically safe
- NPN
- PNP
- Quadrature

Approvals
- UK - UKEx
- Europe - ATEX
- Worldwide - IECEx
- USA & Canada - CSA

Applications
- Conveyors, bucket elevators or any shaft speed measurement

ALUMINIUM SHAFT ENCODER

Features
- Ultra heavy duty
- 1 to 1,000 PPR
- Multiple outputs
- Intrinsically safe option available
- IP67

Style
- Cast aluminium construction
- Totally self-contained (no guards required)

Supply voltage
Model dependent:
- 8.2Vdc for intrinsically safe version
- 10-30Vdc
- 20-240VAC

Output
Model dependent:
- Intrinsically safe
- NPN
- PNP
- Quadrature

Approvals
- UK - UKEx
- Europe - ATEX
- Worldwide - IECEx
- USA & Cana da - CSA

Applications
- Conveyors, bucket elevators or any shaft speed measurement

STAINLESS STEEL ENCODER

Features
- Ultra heavy duty
- 1 to 1,000 PPR
- Multiple outputs
- Intrinsically safe option available
- IP67

Style
- 304 or 316 stainless steel
- Totally self-contained (no guards required)

Supply voltage
Model dependent:
- 8.2Vdc for intrinsically safe version
- 10-30Vdc
- 20-240VAC

Output
Model dependent:
- Intrinsically safe
- NPN
- PNP
- Quadrature

Approvals
- UK - UKEx
- Europe - ATEX
- Worldwide - IECEx
- USA & C anada - CSA

Applications
- Conveyors, bucket elevators or any shaft speed measurement

WHEEL ENCODER

Features
- Heavy duty design
- 1 to 1,000 PPR
- Multiple outputs
- Intrinsically safe option available
- IP67

Style
- Trailing arm and wheel

Supply voltage
Model dependent:
- 8.2Vdc for intrinsically safe version
- 10-30Vdc
- 20-240VAC

Output
Model dependent:
- Intrinsically safe
- NPN
- PNP
- Quadrature

Approvals
- UK - UKEx
- Europe - ATEX
- Worldwide - IECEx
- USA & Canada - CSA

Applications
- Belt speed monitoring applications

ACCESSORIES

MAGCON

MagCon™ Magnetic Connector (Patented)

50mm diameter magnetic coupler with 150 lb/660N of pulling force for connecting M12 thread to rotating shaft. Saves on drilling and tapping.

- Imperial version available

SPEED RELAY

DIN rail mounted speed relay can be used with any PNP or NPN pulsed output sensor for providing a user adjustable underspeed relay contact output to alarm or shutdown machinery.

TACHO DISPLAY

Bright 25mm high 4-digit LED display unit for connection to any PNP or NPN transistor output sensor to indicate shaft speed. The unit incorporates a user-adjustable under speed relay contact output. Quadrature display also available.

ACCESSORIES

The ADB Sensor Tester has been designed to test 4B adjustable depth bearing (ADB) temperature sensors in the field. This hand held test unit features an integrated heating block specifically designed to have a 4B ADB sensor directly inserted. With integral controls and temperature display, the unit heats the sensor to the desired trip point, and allows quick and easy real life testing of the sensor and temperature monitoring system.

During planned maintenance or periodic testing, the ADB Sensor Tester can be used as a diagnostic tool to verify the alarm and shutdown sequences of the control unit are functioning as expected. To test, the heater block should be set above the control units alarm operating temperature. Remove the ADB bearing sensor probe from the housing and insert it into the heater block. As the heater block reaches the alarm temperature, the ADB sensor will relay this data to the control unit, allowing you to verify that the alarm and shutdown sequences run as expected.

Features

- ADB Bearing Sensor Tester
- Hand Held Portable Unit
- Exact Alarm Point Testing
- Exact Shutdown Point Testing
- Easy To Read Display

ADB WRENCH

Used to loosen and tighten the ADB bearing temperature probe for proper depth adjustment.

ADB Sensor Installed on Conveyor Bearing

BEARING TEMPERATURE SENSORS

ADB

The ADB series have been designed toallow the depth of the sensor to be adjustable depending on your application. Three standard versions are available with probe lengths of 50, 100 and 200mm (other lengths available for special order). The sensors screw directly into a bearing housing through the existing grease zerk thread. Each sensor is fitted with a grease zerk to allow lubrication of the bearing without the need for removal of the sensor. The ADB style sensors are available with a standard NTC thermistor for 4B's Hotbus and Watchdog systems, or a Pt100 - RTD type for PLC and DCS systems.

Features

- Screw in positive mount installation
- Grease zerk for bearing lubrication
- Adjustable depth (50, 100, 200mm probes)
- 1/4" NPT (brass body)
- NTC or Pt100 RTD versions – continuous temperature

Sensor options

- NTC Thermistor
- Pt-100 4-wire RTD
- Selectable probe length: 50, 100 and 200 mm

Input supply voltage

- 12/24 VDC (current limited)

Compatible 4B control unit

- Watchdog
- T500
- T400
- IE-NODE

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- China - CCC
- Russia - EAC
- Worldwide – IECEx

Applications

- Bearing temperature control
- Temperature measurement

MILLITEMP

The Milli-Temp is a loop powered analog sensor with a 4-20 mA linear output that is scaled across a temperature range for continuous temperature monitoring. The sensor has been designed to allow the depth of the probe to be adjustable depending on your application. The sensor screws directly into a bearing housing through the existing grease zerk thread. Each sensor is fitted with a zerk to allow lubrication of the bearing without the need for removal of the sensor.

Features

- 4-20 mA output
- Screw in positive mount installation
- Grease zerk for bearing lubrication
- Lug style adaptor (surface temp.)
- 1/2" NPT conduit entry
- 304 stainless steel body

Sensor options

- Selectable probe length: 50, 100 and 200mm
- 4-20 mA loop

Input supply voltage

- 15-28 VDC (24VDC nominal)

Compatible 4B control unit

- Watchdog
- IE-NODE

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- China - CCC
- Worldwide – IECEx

Applications

- Bearing temperature control
- Temperature measurement

BEARING TEMPERATURE SENSORS

WDB7 LUG STYLE

The WDB7 series is a lug style NTC, Pt-100 or PTC thermistor type for surface temperature monitoring and has been designed to bolt directly onto a bearing housing, motor, gearbox, or machine casing. The mounting hole is 8mm from the factory, but can be drilled up to 13mm if needed. The sensor can be connected to a PLC or to a hazard monitoring system, such as 4B's T500 Hotbus Elite, Watchdog Elite, or T400 Elite. The connections are not polarity sensitive therefore special connections requirements are eliminated.

Features

- Surface mount installation
- 8mm to 13mm bolt entry
- 1/2" NPT conduit entry
- Continuous temperature monitoring

Sensor options

- NTC Thermistor
- Pt-100 4-wire RTD
- PTC (trip temperature selected at time of purchase)

Input supply voltage

- 12/24 VDC (current limited)

Compatible 4B control unit

- Watchdog
- T500
- T400
- IE-NODE

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Worldw ide – IECEx

Applications

- Surface temperature measurement and control

MDB

The MDB series is a range of bearing sensors manufactured to screw directly into a bearing housing through the existing 1/4" BSP threaded grease zerk (can be installed in 1/8" NPT grease zerk fitting with an adapter). Each sensor is fitted with a grease zerk to allow lubrication of the bearing without the need for removal of the sensor. The sensor is fitted with a M12 connector for use with a separately supplied cable and socket assembly which can be connected directly to a PLC or to a hazard monitoring system, such as 4B's T500 Hotbus Elite, Watchdog Elite, or T400 Elite. The connections are not polarity sensitive therefore special connection requirements are eliminated.

Features

- Screw in installation
- Grease zerk for bearing lubrication
- Wiring connector

Sensor options

- NTC Thermistor
- Pt-100 4-wire RTD
- PTC (trip temperature selected at time of purchase)

Input supply voltage

- 12/24 VDC (current limited)

Compatible 4B control unit

- Watchdog
- T500
- T400

Approvals

- UK - UKEx
- Euro pe – ATEX

Applications

- Bearing temperature control
- Temperature measurement

WDB8

The WDB8 series is a range of bearing temperature sensors designed to screw directly into an existing 1/4" BSP grease zerk fitting on a bearing housing. Each sensor is fitted with a grease nipple to allow lubrication of the bearing without the need for removal of the sensor. The WDB Series is available with either a PTC thermistor with various factory set trip points or an NTC thermistor with a user adjustable trip point.

Features

- Screw in positive mount installation
- Grease zerk for bearing lubrication
- 1/4" BSP (brass body)
- Cable with protective anti-bend cover

Sensor options

- NTC Thermistor
- PTC (trip temperature selected at time of purchase)

Input supply voltage

- 12/24 VDC (current limited)

Compatible 4B control unit

- Watchdog
- T500
- T400
- IE-NODE

Approvals

- UK - UKEx
- Europe – ATEX
- USA, Canada – CSA
- Worldwide – IECEx

Applications

- Bearin g temperat ure control

LEVEL INDICATORS

AUTO-SET™

A user friendly, reliable point level indicator for bulk granular solids, powders and liquids. Digital display, push-button calibration and material build-up compensator make this unit the elite point level sensor.

A selection of screw-on stainless steel probes to suit your application.

AUTO-SET™ REMOTE

A user friendly, reliable point level indicator for bulk granular solids or powders where there is high vibration and/or temperature involved. Remote electronic display/control unit allows for remote calibration/set-up away from vibration or heat.

ATS8

ATS8
RF capacitance point level indicator

Features
- Push button calibration
- Digital display
- Internal timer
- Automatic material build-up compensator
- Attachable SS probes

Style
- 1 inch BSP

Supply voltage
- 120/240 VAC
  24 VDC
  (universal supply)

Output
- 1 set of voltage-free changeover relay contacts

Approvals
- UK - UKEx
- Europe - ATEX
- USA, Canada - CSA

Applications
- Material point level indication in silos, bins and other vessels.

ATS8 & EXTENDED POWER SHIELD

ATS8 with Extended Power Shield
RF capacitance point level indicator for thick-walled silos

Features
- Push button calibration
- Digital display
- Internal timer
- Automatic material build-up compensator, 12 or 16 inches long
- Attachable SS probes

Style
- 1 inch BSP

Supply voltage
- 120/240 VAC
  24 VDC
  (universal supply)

Output
- 1 set of voltage-free changeover relay contacts

Approvals
- UK - UKEx
- Europe - ATEX
- USA, Canada - CSA

Applications
- Material point level indication in thick-walled concrete silos.

ATS8 FLUSH PROBE

ATS8 Flush Probe
RF capacitance heavy-duty plugswitch

Features
- Push button calibration
- Digital display
- Internal timer
- Automatic material build-up compensator
- No moving parts

Style
- 100mm dia. probe with integral mount

Supply voltage
- 120/240 VAC
  24 VDC
  (universal supply)

Output
- 1 set of voltage-free changeover relay contacts

Approvals
- UK - UKEx
- Europe - ATEX
- USA, Canada - CSA
- Worldwide - IECEx

Applications
- Plug condition in chutes, discharges and pipes.

AUTO-SET™ REMOTE PROBE

Auto-Set™ Remote Probe
Polyprop probe - 120°C
PEEK probe - 250°C
Ceramic probe - 600°C

Features
- No moving parts
- No electronic components
- Automatic material build-up compensator
- Attachable SS probes
- High temp available

Style
- 1 inch BSP

Supply voltage
- From control unit

Output
- To control unit

Approvals
- Not approved

Applications
- Material point level indication in surge bins, vibratory feeders and high temperature processes.

AUTO-SET™ REMOTE CONTROL

Auto-Set™ Remote Control
Remote control unit with digital display and calibration push buttons

Features
- Push button calibration
- Digital display
- Internal timer
- DIN rail mountable

Style
- DIN rail mountable enclosure processes

Supply voltage
- 120/240 VAC
  24 VDC
  (universal supply)

Output
- 1 set of voltage-free changeover relay contacts

Approvals
- Not approved

Applications
- Material point level indication in surge bins, vibratory feeders and high temperature processes.

LEVEL INDICATORS

BINSWITCH

The Binswitch is a capacitive sensor for the detection of blockages in chute, discharges and pipes. Available in 2-wire and 5-wire models. Simple semi-automated calibration process using magnets.

Features

- Capacitance probe
- Detects presence or absence of liquids & free-flowing bulk granular materials
- Easy installation & self-containing
- Magnet calibration

Style

- 30mm cylindrical
- 2 or 5 wire options

Supply voltage

- 24 to 240 VAC/VDC

Output

- Programmable high or low level detection

Approvals

- UK - UKEx
- Europe - ATEX
- China - CCC
- Russia - EAC
- Worldwide – IECEx

Applications

- Plug condition in chutes, discharges and pipes.

RLI

The RLI is designed to signal the presence or absence of bulk materials such as: chemical products, wood chips, grain, granules and powders. It is ideal for use as a point level indicator in tanks and silos as well as a blockage detector in conveyor chutes.

Features

- High or low level indication
- Automatic power shut off
- Limit switch contact output
- 14 foot vertical extensions (maximum)

Style

- Rotary level indicator with 1 1/4-inch NPT mounting thread
- Glass-fibre reinforced nylon housing

Supply voltage

- 24 VDC
- 110VAC
- 240VAC

Output

- 1 set of voltage-free changeover relay contacts

Approvals

- No explosive environment approvals

Applications

- Material point level indication in surge bins, vibratory feeders and high temperature processes

RG SERIES

The RG Level Sensors series is designed to indicate the presence or absence of bulk materials such as grains, pellets, chemicals, wood chips and other powders.If material impedes the rotation of the paddle, the motor topples of its axis and triggers an alarm. The RG has a variety of compatible paddles which offer the ability to detect a wide range of products.

Features

- Can be top and side mounted
- Easy installation
- Wide range of paddles available
- Optional extensions and shard guards for more challenging applications

Style

- Rotary level indicator

Supply voltage

- 10/240 VAC
- 24 VDC

Output

- 1 set of voltage-free changeover relay contacts

Approvals

- UK - UKEx
- Europe - ATEX
- Worldwide - IECEx

Applications

- Material point level indication in surge bins, vibratory feeders and high temperature processes

ACCESSORIES

BINSWITCH ACCESSORIES

BAS3 Abrasion Shield

Polyethylene abrasion shield for ATEX Binswitch.

Mounting Plate

Powder-coated mild steel mounting plates with 11/4-inch NPT or 1 inch BSP, half or full coupling. Use with Autoset, Roto-Level / RG Series Indicators and Binswitches with adapters. (Also available in stainless steel.)

PADDLE SWITCH ACCESSORIES

Rotary Level Paddles

Complete range of stainless steel paddles for Roto-Level Indicators.

Binswitch Installed on Bucket Elevator Spouting (with SMP, BAS & conduit adapter)

Auto-Set™ Flush Probe Installed on Belt Conveyor Discharge

Auto-Set™ Flush Probe Installed on Screw Conveyor Discharge

4B COMMISSIONING SERVICE

After 4B products have been installed by a qualified electrician, 4B's commissioning service is available to inspect and certify proper installation of our sensors and control units prior to operation. A brief overview of the service is listed below -

Features

- All rigid and flexible conduits inspected for: cracks, breaks, tightness of connections, and suitability for purpose.
- All wiring inspected for: ground faults, shorts, suitability for purpose.
- All sensors and controls inspected for correct installation and wiring.
- All sensors and controls inspected for any signs of damage, and tested to insure proper working order.
- Detailed written inspection and testing report with any recommendations given to client.

Belt & Pulley Alignment Sensors

- Sensors are removed from their location to ensure that they were centered on the belt.
- Each sensor is physically inspected for damage and wear.
- Sensor LED and alarm contacts are tested.
- Wire terminations are inspected.

Temperature Sensors

- All sensors are inspected and resistance is checked.
- Sensors are also checked for correct identification, location and sensor type.
- Sensors are checked for proper temperature alarm and shutdown trip points using 4B's ADB Tester.
- Wire terminations are inspected.

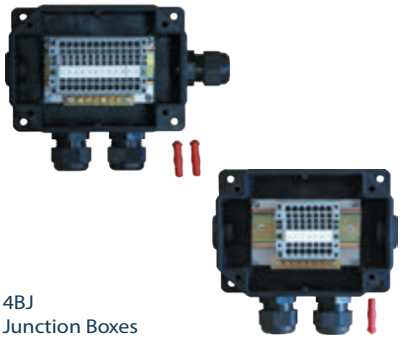
Speed Switches

- All speed switches are checked for proper installation.
- Sensors are checked for proper underspeed alarm and shutdown set points using 4B's SpeedMaster™.
- Wire terminations are inspected.

Warning: 4B recommends that all sensors are wired to provide automatic shutdown of monitored equipment, when a hazardous condition is detected.

JUNCTION BOXES

4BJ JUNCTION BOXES



4BJ
Junction Boxes

4B Atex approved junction boxes allow for the easy installation of sensors in potentially explosive dust hazard environments.

Features

- Rob ust glass reinforced nylon casing
- Up to 4 gland inputs
- Dust and water tight seal
- Detachable cover for easy terminal access

Terminal springs

- 6 x 2.5mm ^{2} or 12 x 2.5mm ^{2}

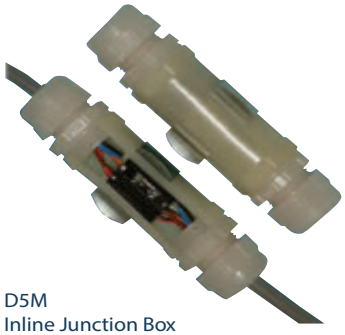
Approvals

- UK - UKEx
- Europe – ATEX
- Worldwide – IECEx

Applications

- Electrical installations in dust – explosive environments

D5M INLINE JUNCTION BOX



D5M
Inline Junction Box

The D5M's unique moulded body with Atex approved glands and mounting clip/ bracket allows for in-line connection closer to the sensors simplifying connections and reducing the time of intervention during maintenance operations or repairs.

Features

- Ideal for extending sensor cables within Atex hazard areas
- Complete with Atex glands and mounting bracket

Terminal springs

- 5 x 2.5mm ^{2}

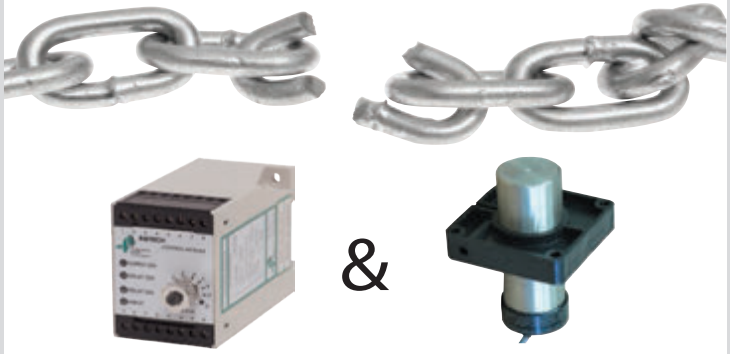
Approvals

Applications

- Electrical installations in dust – explosive environments

BROKEN OR SLACK CHAIN

MONITORING FOR DRAG CHAIN CONVEYORS



&

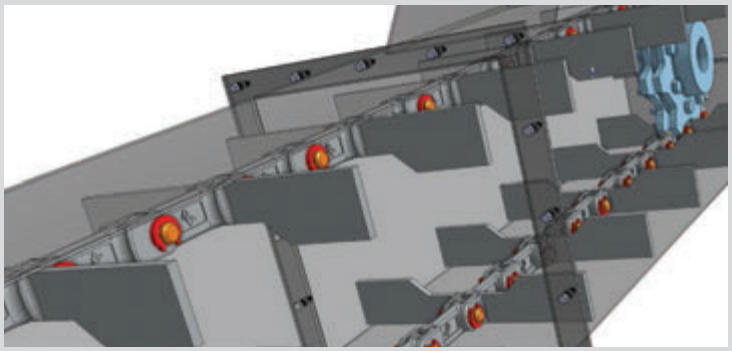
Speed Relay WDA Sensor

By using a WDA sensor in combination with a speed relay, ferrous steel flights or bolts on plastic paddles are used to monitor for broken or slack chain issues on drag conveyors.

The WDA is a non-contacting extended range magnetic proximity sensor, not affected by dust or material build up, used to detect moving ferrous material up to 75mm away from the sensor. The speed relay is used to monitor the speed of a rotating shaft and detect if it rises or falls below a preset safety level.

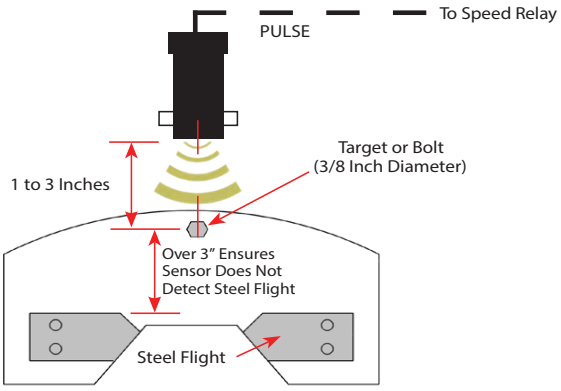
Features

- Solutio n for drag chain conveyors
- Monitor for chain slack or breakage
- Detects movement of steel flights or bolts on plastic paddles
- Prevent costly equipment damage and downtime
- Simple sensor and speed relay solution



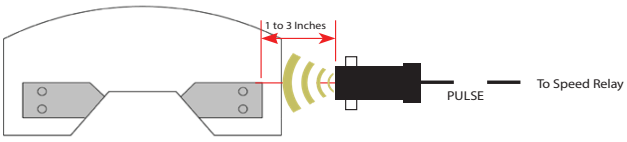
OPTION 1 > Sensor Detecting Bolt Installed on the Paddle

Under normal running conditions, the target bolt passes through the sensor's field and a pulse is sent to the speed relay. If the chain becomes slack, the target bolt will drop below the field and the pulses will stop, causing the relay contact to change state.



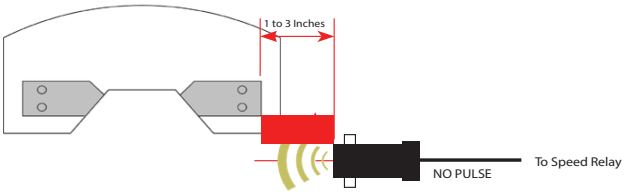
OPTION 2 > Sensor Detecting Steel Flight

Under normal running conditions, the steel flight passes through the sensor's field and a pulse is sent to the speed relay. If the chain becomes slack, the steel flight will drop below the field and the pulses will stop, causing the relay contact to change state.



OPTION 3 > Sensor Waiting to Detect Steel Flight

Under normal running conditions, the steel flight is out of the sensor's field, so no pulses are sent to the speed relay. If the chain becomes slack, the steel flight comes into the sensor's field and a pulse is sent to the speed relay, causing it to change state.



Warning: - Make sure that there is no ferrous steel (such as the machine's frame) within the sensing field.

UNIKING

·UNITING THE·

·STRONGEST LINKS·

UNIKINGCANADA.COM

HEADQUARTERS

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