

SHARP TOP CHAINS

LUMBER & SAWMILL CONVEYOR CHAIN

SUMMIT TIP

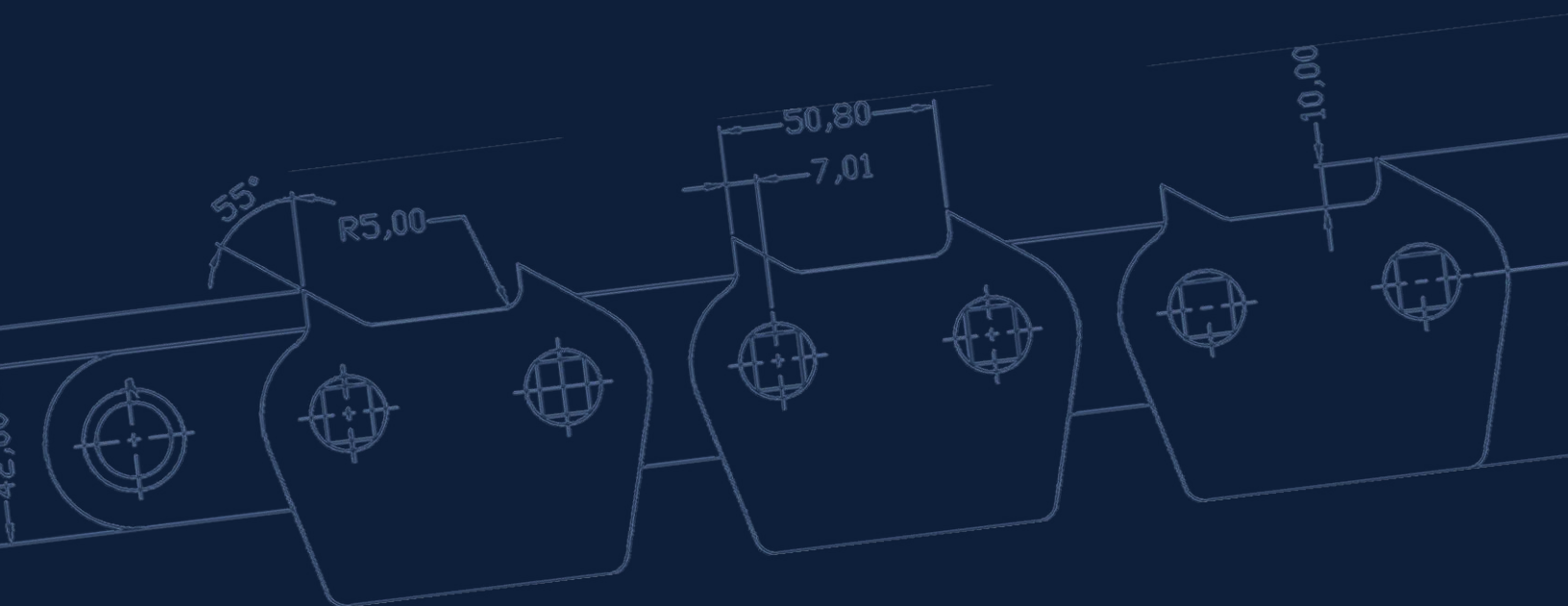
5-POINT

SLASHER

WAFFERIZER

ATTACHMENT

PRECISION CAST



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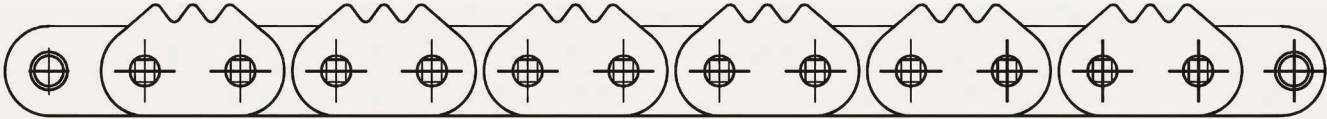
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SHARP TOP CHAIN SYSTEM

Lumber & Sawmill Conveyor Chain

Sharp top chain is used throughout the lumber-processing industry, where line speeds of 300–1,300 ft/min and heavy debris demand a chain system built to take it. Uniking's sharp top program — stocked through Connexus (Viking® and Summit®) and Can-Am — is engineered and manufactured for top performance in the most severe sawmill applications, from log decks and transfers to slashers and primary breakdown.



SUMMIT TIP DESIGN – THE STANDARD SHARP-TOP PROFILE

THE CHAIN

Machined Teeth & Flat Bottom

Teeth are machined to a uniform profile for a better grip with more accuracy and less penetration, and the bottom of the chain is machined flat to increase the load-bearing surface —less wear and grooving on the chain beds.

Solid Centre Plates & Alloy Steel

Centre plates in multi-strand chains are solid, so sawdust and chips cannot pack between plates and force a failure. Special alloy steel and heat-treating methods carry the rigours of the application.

Hardened Pins & Construction

Pins are hardened to reduce wear and extend life. Chains are heat-treated and shot-peened, with hardened investment-cast tips, hardened inner links and steel bushings, solid rollers, quad-staked pins and ground bottom surfaces.

Built on ANSI roller-chain bases (most often 80 and 100) in single through quadruple strand, plus 2"-pitch attachment chains and 4" / 6" precision-cast sharp chain. Other sizes and tip designs are available — call for the complete selection.

TIP & POINT DESIGNS

Cutting Profiles

The cutting profile is chosen for the mill and the log. Points can be machined every pitch or every second pitch in several tooth forms — from the general-purpose Summit tip to aggressive slasher and waferizer profiles. The same designations run across Connexus (Viking / Summit) and Can-Am, so a belt can be matched or replaced from either source.

STD Summit Tip Design



The general-purpose sharp top — one machined point per pitch for a balanced grip on most sawmill decks, transfers and unscramblers.

4 STA 4 Points Every Pitch



Four points per pitch — an aggressive all-round grip for green and frozen stock.

SL-LP Slasher, Low Profile



Angled slasher teeth in a low-profile plate for slasher and cut-off decks — hooks the log without lifting it.

5 PEP 5 Points Every Pitch



Five small points per pitch for maximum grip on fast transfers and steep decks, with shallow, low-marking penetration.

4ST 4 Points Every 2nd Pitch



Four points on every second pitch: strong grip with fewer teeth for lower-debris, higher-speed duty.

SL-LP Slasher, Deep Hook



A deeper slasher hook on the same low-profile plate for heavier logs and steeper slasher angles.

FULL TIP & POINT DESIGN RANGE

Code	Design	Points	Typical use
STD	Summit tip design	1 / pitch	General sawmill decks & transfers
5 PEP	5 points every pitch	5 / pitch	Fast transfers, steep decks
4 STA	4 points every pitch	4 / pitch	Green & frozen stock
4ST	4 points every 2nd pitch	4 / 2nd	Lower-debris, higher speed
P2PAD	Points every 2nd pitch, alternating	2 / 2nd	Bi-directional grip
P4PAD	Points every 4th pitch, alternating	1 / 4th	Light contact, low marking
W2P	Waferizer every 2nd pitch	wafer	Waferizer / chipper infeed
W4P	Waferizer every 4th pitch	wafer	Waferizer infeed, spaced
SL-LP	Slasher, low profile	hook	Slasher & cut-off decks
DP	2 points every 2nd pitch, double-deep plate	2 / 2nd	Deep, heavy-log grip

Codes are common to Connexus (Viking / Summit) and Can-Am. Other point spacings, tooth heights and alternating patterns are available — specify deck angle, line speed and species.

SIZE SELECTION

Roller-Chain Base • 80 & 100 Series

Sharp top chains are built on ANSI roller-chain bases — most often 80 (1" pitch) and 100 (1¼" pitch) — in single through quadruple strand, with the sharp-top plates carried on the outer or centre links. Standard base pitches run 50, 60, 80, 100 and 120; the 2"-pitch attachment chains and 4" / 6" precision-cast chain follow on the next pages.

SHARP TOP CHAINS – ROLLER-CHAIN BASE

Size	Strand type	Points	Pitch	Height	Point depth	Width
80- 1	Single	3	1. 00"	1. 152"	. 126"	1. 155"
80- 2	Double	3	1. 00"	1. 137"	. 126"	2. 299"
80- 3	Triple	3	1. 00"	1. 137"	. 126"	3. 460"
80- 4	Quadruple	3	1. 00"	1. 137"	. 126"	4. 614"
80- 2- 5PEP	Double	5	1. 00"	1. 153"	. 125"	2. 299"
80- 3- 5PEP	Triple	5	1. 00"	1. 153"	. 125"	3. 460"
80- 4- 5PEP	Quadruple	5	1. 00"	1. 153"	. 125"	4. 614"
100- 2	Double	3	1. 25"	1. 325"	. 125"	2. 953"
100- 3	Triple	3	1. 25"	1. 325"	. 125"	4. 362"

Strand & Points

Strand type sets the width: single, double, triple or quadruple roller-chain strands welded side by side. "Points" is the number of machined teeth across each sharp-top plate — 3 as standard, or 5 on the 5PEP build for extra grip.

Base Pitches

Roller-chain bases in 50 (¾"), 60 (¾"), 80 (1"), 100 (1¼") and 120 (1½"), plus 2"-pitch attachment chains and 4" / 6" precision-cast sharp chain on the following pages.

Made to the Deck

The chain is matched to your conveyor: base pitch and strand for width and load, tip design for the species and deck angle, and attachment style for how the log is carried. Other sizes are stocked — call for the complete selection.

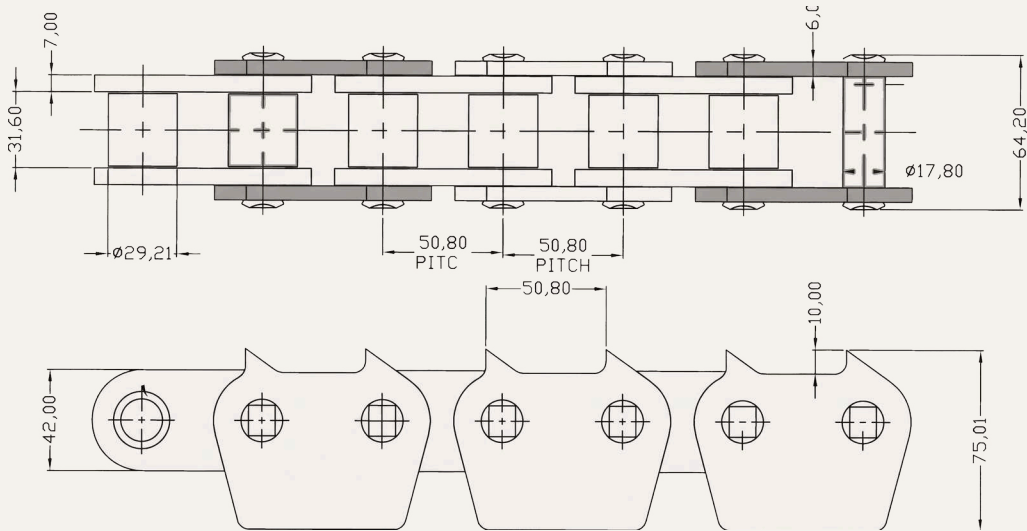
Dimensions are nominal; multi-strand widths are across the outside of the sharp-top plates. Note: other sizes available — please call for our complete selection.

5269 SERIES

2" Pitch Attachment Chain

The 5269 family is the 2"-pitch (50.8 mm) attachment sharp-top chain — a heavy roller chain carrying tall sharp-top plates for log decks and steep transfers. The Super Heavy Duty (SHD) build adds a taller plate, a 55° hook and a corner radius for the hardest primary-deck service.

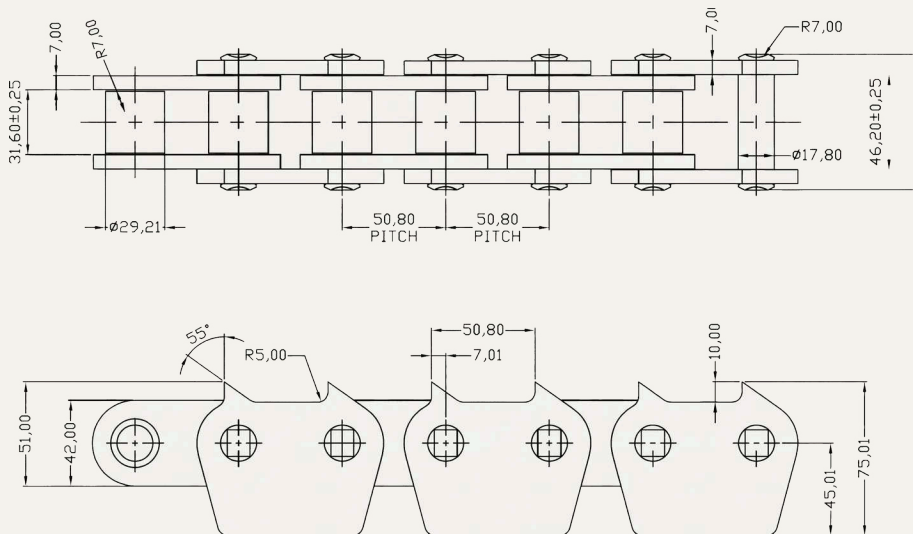
5269-1B Standard attachment sharp-top chain



KEY DIMENSIONS

Dimension	Value
Pitch	50.80 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.80 mm
Link plate height	31.60 mm
Overall link height	64.20 mm
Attachment height	75.01 mm
Point depth	10.00 mm
Mounting hole Ø	42.00 mm

5269-1B-SH D Super Heavy Duty



KEY DIMENSIONS

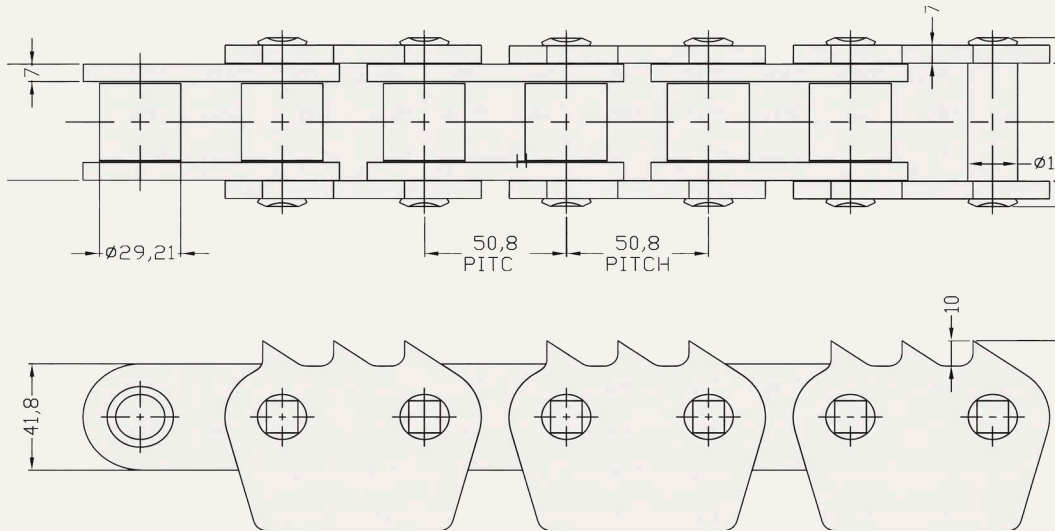
Dimension	Value
Pitch	50.80 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.80 mm
Inner plate height	46.20 ±0.25 mm
Overall link height	66.20 mm
Tooth angle / radius	55° / R5.00 mm
Attachment height	75.01 / 45.01 mm
Point depth	10.00 mm

5167 & 5289 SERIES

2" Pitch Attachment Chain

Two more 2"-pitch attachment profiles. The 5167-12 runs a full-height link plate for maximum tooth support; the 5289-1B-SHD is a Super Heavy Duty build with a 40° hook and a deep 20 mm point for aggressive log control.

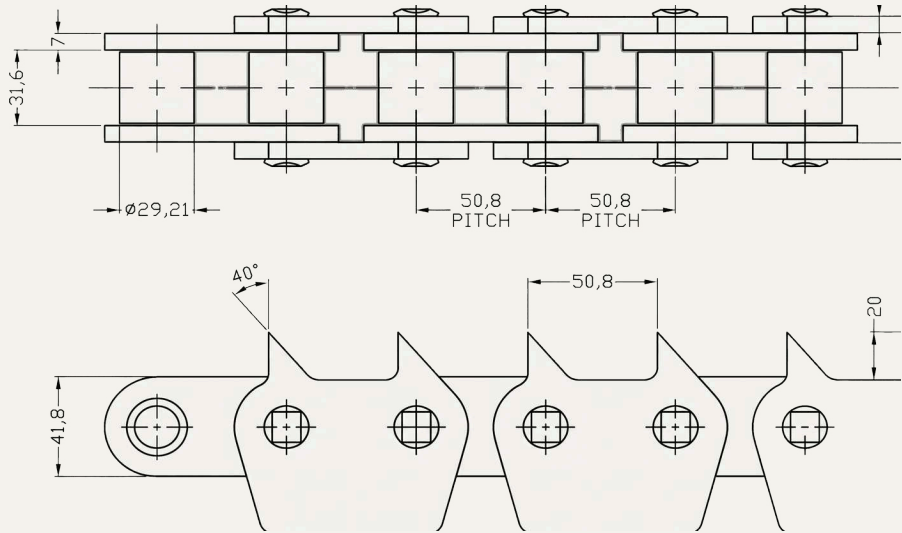
5167-12 Full-height plate attachment chain



KEY DIMENSIONS

Dimension	Value
Pitch	50.8 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.8 mm
Link plate height	45.6 mm
Overall link height	66.2 mm
Attachment height	74.7 mm
Point depth	10 mm
Mounting hole Ø	41.8 mm

5289-1B-SH D Super Heavy Duty - deep point



KEY DIMENSIONS

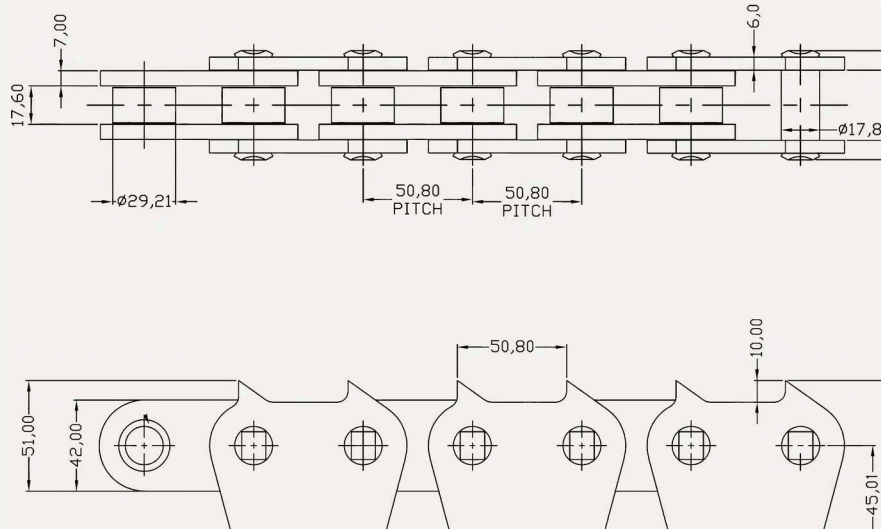
Dimension	Value
Pitch	50.8 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.8 mm
Inner plate height	46.2 mm
Overall link height	66.2 mm
Tooth angle	40°
Attachment height	84.7 / 44.7 mm
Point depth	20 mm

5202 SERIES

2" Pitch Attachment Chain

The 5202 family is a lower-plate 2"-pitch attachment sharp-top chain for shallower decks and transfers where a full-height plate is not needed, with a Super Heavy Duty build for higher load.

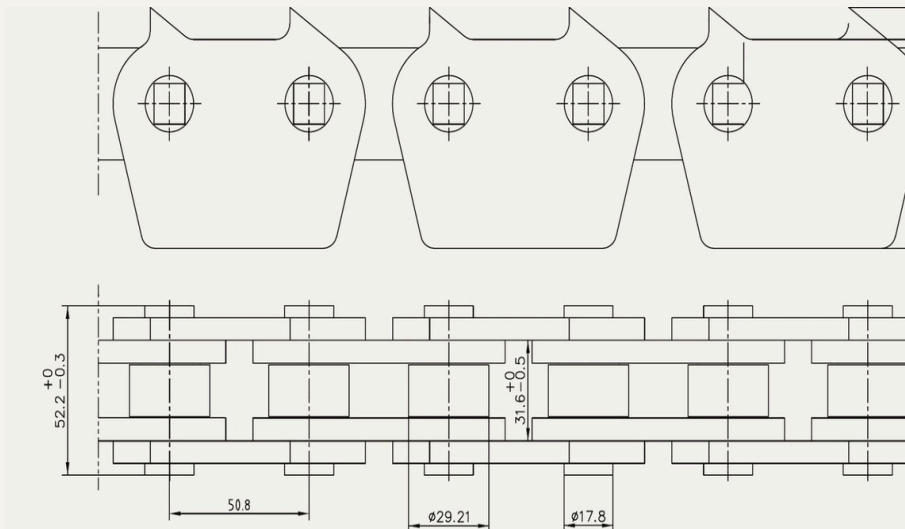
5202-1B Low-plate attachment sharp-top chain



KEY DIMENSIONS

Dimension	Value
Pitch	50.80 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.80 mm
Link plate height	17.60 mm
Overall link height	50.20 mm
Attachment height	75.01 / 45.01 mm
Point depth	10.00 mm
Mounting hole Ø	42.00 mm

5202-1B-SH D Super Heavy Duty



KEY DIMENSIONS

Dimension	Value
Pitch	50.8 mm (2.00")
Roller Ø	29.21 mm
Pin Ø	17.8 mm
Link plate height	52.2 mm (+0 / -0.3)
Inner plate height	31.6 mm (+0.5 / -0.5)
Point depth	10 mm
Attachment height	75 mm

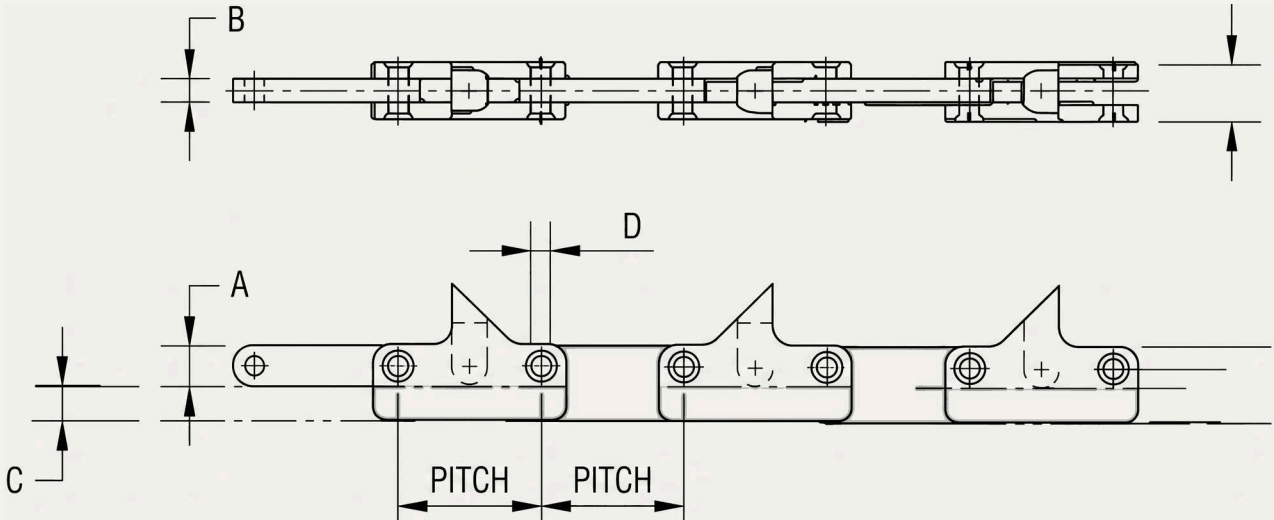
PRECISION CAST SHARP CHAIN

Primary Breakdown · 4" & 6" Pitch

The Precision Cast Sharp Chain is built for the high-tech primary breakdown, where the chain guides the cant within .010" so the bands run tight and lateral deviation and planer wastage are minimised. It is manufactured from high-quality low-alloy steel, hardened for the best balance of wear resistance and toughness, with all components fully machined to extremely tight tolerances for minimal lateral and vertical deviation.

PRECISION CAST SHARP CHAIN

Chain size	Pitch	A	B	C	D Ø	E	F
4"	4.000"	1.25"	1.25"	1"	.75"	2.625"	2.5"
6"	6.030"	1.75"	1"	1.5"	.875"	3.25"	2.5"



PRECISION CAST SHARP CHAIN – SIDE & TOP VIEWS

6.030" PITCH SHARP CHAIN SPROCKETS

Teeth	Pitch Ø	A	B
8	31.00"	.835"	1.25"
12	46.22"	.835"	1.25"

4.000" PITCH SHARP CHAIN SPROCKETS

Teeth	Pitch Ø	A	B
8	20.50"	1.200"	1.25"
12	30.64"	1.200"	1.25"

Sprockets are machined with a full hub and running area to minimise lateral run-out; teeth are burned on a precision table, fitted to the chain for maximum tooth contact, then post heat-treated to control the heat-affected zone for excellent longevity.