

Chain-Driven Belt

Belt types, specification ranges, options and the fit checks done before quotation. Reference values from projects; final values follow the drawing confirmed for your line.

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TWO EDGE TYPES

01 Washer Welded or Cotter Pin Edge: Which Chain-Driven Belt Does Your Line Need?

Your maintenance decides it. A washer welded edge is fixed; a cotter pin edge can be opened to replace a section. Both run on roller chains matched to your sprockets.

Washer welded edge

Fixed welded rod ends	12.7-63.5 chain pitch, mm	Roller chain, solid or hollow
		
Washer welded, rolled	Chain side view	Chain edge, corner

Cotter pin edge

Opens for maintenance	Same chain range	Per drawing pin size
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Cotter pin edge



Belt, angled



Belt with tubes

SPECIFICATIONS & OPTIONS

02 Chain-Driven Belt Specifications: Chain Model, Chain Pitch, Rod and Mesh

Compare your old belt with this drawing. Chain model, chain pitch and belt width are enough to start — every value in mm and inches, confirmed on your project drawing.

CHAIN PITCH

12.7-63.5 mm
0.500-2.500 in

ROD DIAMETER

4-12 mm
0.157-0.472 in

SPIRAL WIRE

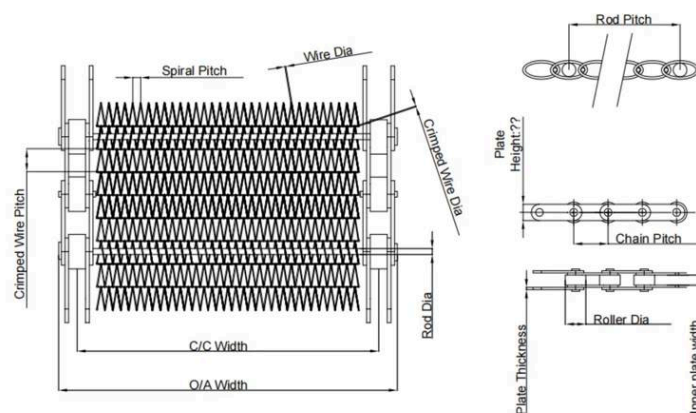
1.0-3.0 mm
0.039-0.118 in

BELT WIDTH

300-5000 mm
11.81-196.85 in

Dimension drawing and table

Chain-driven belt

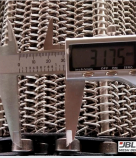


Drawing label	Reference (mm / in)
Material	SUS304 / SUS316 / carbon steel
Spiral pitch	3-20 mm (0.118-0.787 in)
Crimp wire pitch	4-20 mm (0.157-0.787 in)
Spiral wire diameter	1.0 / 1.2 / 1.4 / 1.6 / 1.8 / 2.0 / 2.5 / 3.0 mm
Cross rod diameter	4 / 5 / 6 / 8 / 9 / 10 / 12 mm (0.157-0.472 in)
Chain pitch	12.7 / 15.875 / 25.4 / 31.75 / 38.1 / 50.8 / 63.5 mm (0.500-2.500 in)

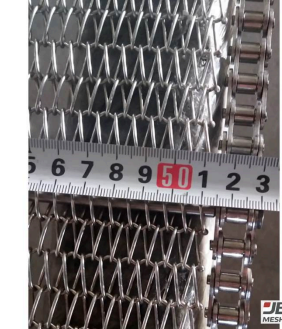
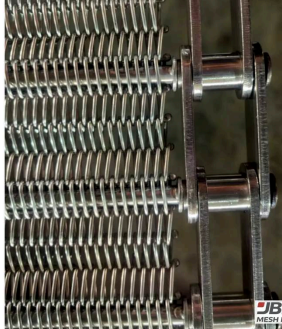
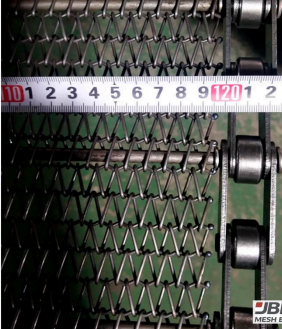
Drawing label	Reference (mm / in)
Chain model	#40 / #50 / C2042 / C2052 / C2062 / C2082 / C2102 — solid or hollow roller
Cross rod pitch	Multiples of the chain pitch
Belt width	300-5000 mm (11.81-196.85 in), custom
Edge	Washer welded / cotter pin
Use the drawing to tell us which dimensions you can measure. Final values follow the confirmed project drawing.	

Choose your options

Chain pitch

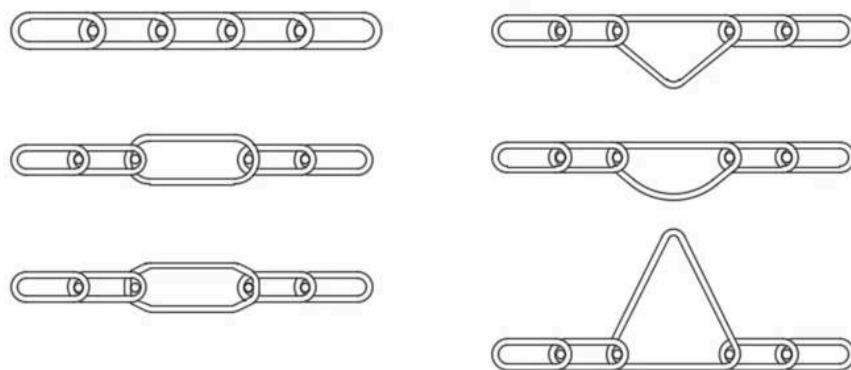
					
12.7 mm (0.500 in)	25.4 mm (1.000 in)	31.75 mm (1.250 in)	38.1 mm (1.500 in)	50.8 mm (2.000 in)	63.5 mm (2.500 in)

Material

		
SUS304	SUS316	Carbon steel

Hard-drawn wire for freezing. Carbon steel is lightly oiled against rust.

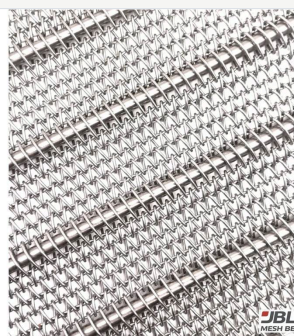
Mesh style



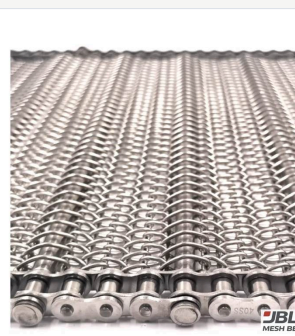
Flat both sides · large-small · triangular spiral



Belt surface

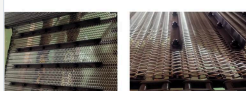


Mesh close-up

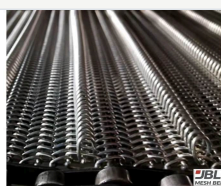


Mesh with chain edge

Accessories



L-type flights



Spiral-wire flights



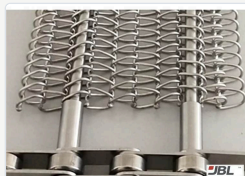
Side plate



Plastic side guide



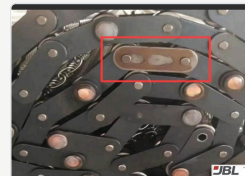
Stainless side roller



Tube



Square bar



Chain connector
(boxed)
Packed and counted with
the belt

Sprockets



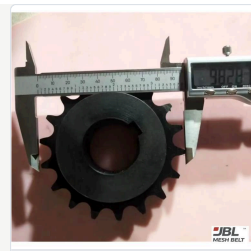
SUS304 sprocket



SUS304 sprocket with hub



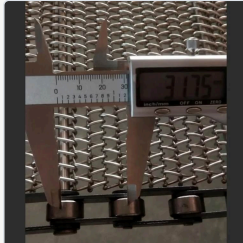
Mild steel sprocket



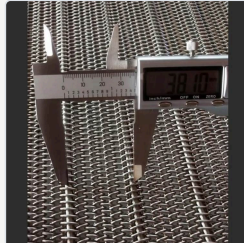
Mild steel sprocket measured

Matched to the chain model and pitch; tooth count, bore and keyway per drawing. **Sprockets →**

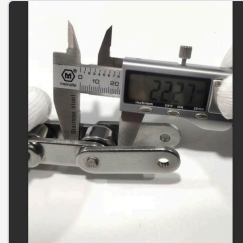
Measured readings



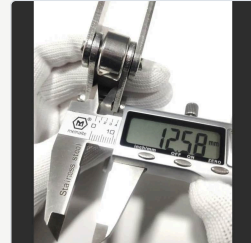
Chain pitch 31.75 mm
(1.250 in)



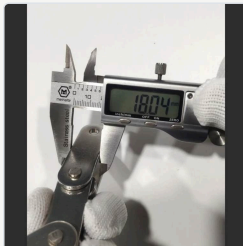
Rod pitch 38.10 mm
(1.500 in)



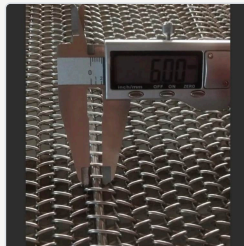
Roller Ø 22.27 mm
(0.877 in)



Chain inner width
12.58 mm



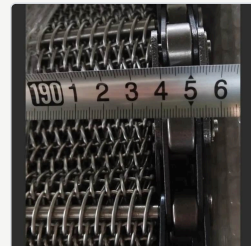
Chain plate height
18.04 mm



Rod Ø 6.00 mm
(0.236 in)



Spiral wire Ø 1.60
mm



Tape over 10 pitches

FIT CHECK · CHAIN AND PITCH FIRST

03 Will the New Belt Fit Your Sprockets — and Join Your Old Belt?

Looking the same is not enough. Chain model and pitch, rod pitch and belt width decide whether the belt engages your sprockets — and if it joins an old belt, the old pitch must match. They are checked first, before you get a quotation.

REPLACEMENT

Replacing or joining to the belt on your line

YOU SEND

Chain marking or a measured photo, a tape over 10 pitches, and whether the new belt joins your old one.

WE CHECK FIRST

Chain model and pitch, rod pitch, spiral pitch and wire — and whether overall width or chain centre distance must be kept.

YOUR SPROCKETS

Chain pitch, tooth count and wear checked. If they need replacing, sprockets are matched to the chain.

YOU GET

Before quoting: will it engage your sprockets and join your old belt as it is.

NEW LINE

Supplying a new frying, baking or cooling line

YOU SEND

Product, temperature, belt width and length, load, and the chain and sprocket layout.

WE CHECK FIRST

Chain model and pitch, rod pitch as a multiple of it, mesh, material and accessories.

YOUR SPROCKETS

Supplied with the belt; chain pitch, tooth count, bore and keyway confirmed on the drawing.

YOU GET

A confirmed drawing, and a complete first article checked before bulk production.

Get a fit answer

- ✓ Chain model and pitch (or a measured photo)
- ✓ Rod pitch and rod diameter
- ✓ Spiral pitch and wire diameter
- ✓ Belt width: overall or chain centre distance
- ✓ New belt, or joining to an old belt
- ✓ Edge: washer welded or cotter pin
- ✓ Accessories, sprockets, application and temperature

Usually reply within 8 hours

[How to measure an old belt →](#)

Send a drawing, an old belt section or photos with a caliper in the picture.

An engineer replies with what fits, what is missing and the next step — usually within 8 hours.

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JBL Mesh Belt — Jin Bei Li Metal (Suzhou) Co., Ltd. Reference document; project values are confirmed in writing before production.