TECHNICAL SPECIFICATION

Plate Link 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 PLATE TYPES

01 Solid or Perforated Plates: Which Plate Link Belt Does Your Line Need?

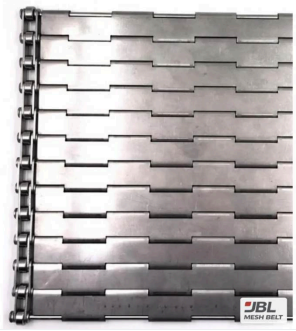
Your product decides it. Solid plates give a closed, flat surface; perforated plates let water, air or crumbs pass through. Both run on roller chains matched to your sprockets.

Solid plate

Closed	1.0–2.5	Flights
flat surface	plate thickness, mm	where specified



Solid plate, angled



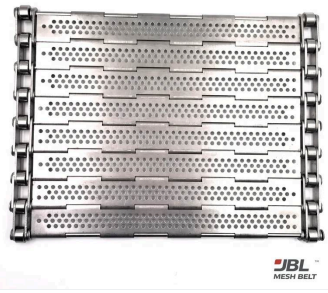
Top view



Chain edge

Perforated plate

Ø 5–8 mm	Per drawing	Drains
holes	hole pattern	water, air, crumbs



Perforated, top view



Angled



Chain edge

SPECIFICATIONS & OPTIONS

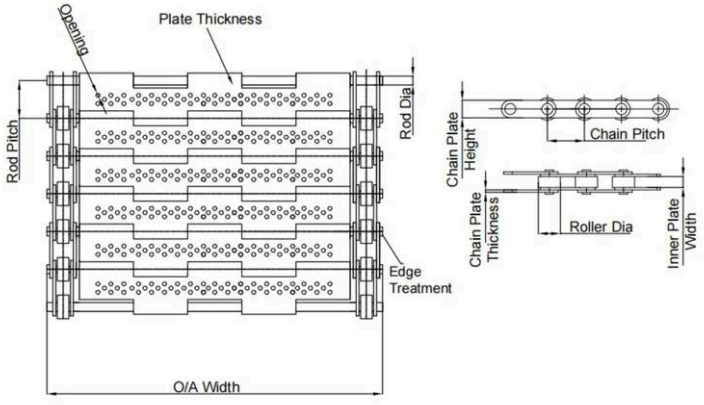
02 Plate Link Belt Specifications: Plate Pitch, Chain Pitch, Thickness and Rod

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

PLATE PITCH	CHAIN PITCH	ROD DIAMETER	BELT WIDTH
25.4–63.5 mm	**25.4–76.2 mm**	**5–10 mm**	**300–4000 mm**
1.000–2.500 in	1.000–3.000 in	0.197–0.394 in	11.81–157.48 in

Dimension drawing and table

Plate link belt



Drawing label	Reference (mm / in)
Material	SUS304 / SUS316 / mild steel
Plate pitch	25.4 / 31.75 / 38.1 / 50.8 / 63.5 mm (1.000–2.500 in)
Plate thickness	1.0 / 1.2 / 1.5 / 2.0 / 2.5 mm (0.039–0.098 in)
Rod diameter	5 / 6 / 8 / 10 mm (0.197 / 0.236 / 0.315 / 0.394 in)
Chain pitch	25.4 / 31.75 / 38.1 / 50.8 / 76.2 mm (1.000–3.000 in)

Drawing label	Reference (mm / in)
Perforation	None, or hole diameter 5–8 mm (0.197–0.315 in); pattern per drawing
Belt width	300–4000 mm (11.81–157.48 in), custom
Edge	Washer welded / cotter pin
Accessories	Raised points, L-type and Z-type flights, side plates

Use the drawing to tell us which dimensions you can measure. Final values follow the confirmed project drawing.

Choose your options

Pitch



31.75 mm (1.250 in)



50.8 mm (2.000 in)



63.5 mm (2.500 in)

Reference readings. Plate pitch and chain pitch are confirmed separately on your drawing.

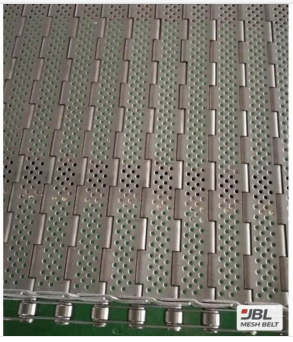
Material



SUS304



SUS316

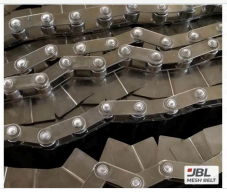


Mild steel

Edge



Washer welded



Cotter pin

Accessories



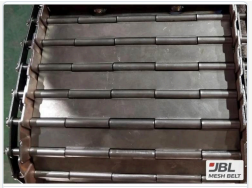
Raised points



Raised points, detail



Side plates



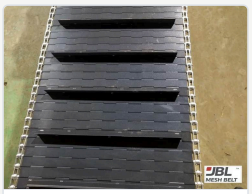
Side plates, chain side



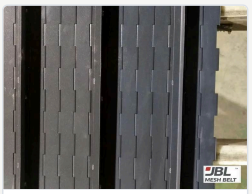
L-type flight



Z-type flight



Flights on PTFE (Teflon) coated plates



PTFE-coated plates with flights, end view

Sprockets



SUS304 / SUS316 sprocket



Stainless sprocket with hub



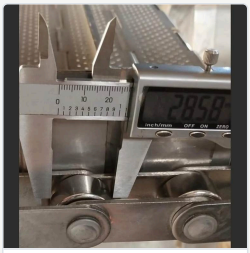
Mild steel sprocket



Mild steel sprocket measured

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

Measured readings



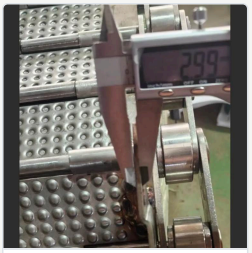
Roller Ø 28.58 mm (1.125 in)



Chain inner width 18.93 mm



Rod Ø 10.00 mm (0.394 in)



Side guard 2.99 mm (0.118 in)



Opening 4.00 mm (0.157 in)



Useful width 600 mm (23.62 in)



Roller Ø 22.27 mm (0.877 in)



Chain plate height 18.04 mm

FIT CHECK · PITCH, LOAD AND DRIVE FIRST

Will the New Belt Fit Your Sprockets — and Carry Your

03 Load?

Looking the same is not enough. Plate pitch, chain pitch, plate thickness and rod decide whether the belt fits your sprockets and carries your product — they are checked first, and load is reviewed before anything is promised.

REPLACEMENT

Replacing a plate link belt on your line

YOU SEND

Photos of the old belt with a ruler on the plates and chain, a short section if possible, belt width and length.

WE CHECK FIRST

Plate pitch, chain pitch, plate thickness, rod diameter, hole pattern and edge — measured on your old belt.

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 fit your line and sprockets as it is, and which details still need your confirmation.

NEW LINE

Supplying a new heavy-duty or food line

YOU SEND

Product and weight, belt width and length, drive layout, temperature and any flights or side plates.

WE CHECK FIRST

Plate and chain pitch, plate thickness and rod for your load and drive, solid or perforated, material.

YOUR SPROCKETS

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

YOU GET

A confirmed drawing, with load and drive reviewed before anything is promised.

Get a fit answer

- ✓ Plate pitch and chain pitch
- ✓ Plate thickness and rod diameter
- ✓ Solid or perforated (hole size and pattern)
- ✓ Belt width and length
- ✓ Product weight, load and drive layout
- ✓ Edge: washer welded or cotter pin

✓ Raised points, flights, side plates, sprockets

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.