



TECHNICAL SPECIFICATION

Side-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 MESH OPTIONS

01 Stainless Steel or POM Mesh: Which Side-Driven Belt Does Your Spiral Need?

Both run on the same 6.0 mm rods and side links at 31.75 or 34 mm pitch. Stainless spiral mesh is the usual choice; POM mesh is used where a plastic surface is needed — in the grade your temperature allows.

Stainless steel mesh

SUS304 / 316 mesh material	5-23 mm spiral pitch	1.2-1.8 mm wire diameter
		
Front view	Side link and wear strip	Mesh surface

POM mesh

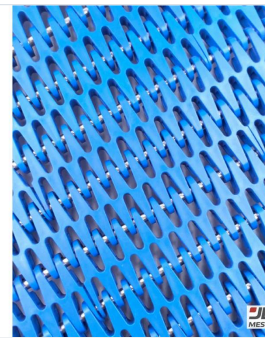
POM grade for your temperature	31.75 / 34 rod pitch, mm	300-1100 width, mm
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Front view



Side link and wear strip



Mesh surface

SPECIFICATIONS & OPTIONS

02 Side-Driven Belt Specifications: Rod Pitch 31.75 / 34 mm, Rod 6.0 mm

Compare your old belt with these drawings. Rod pitch, belt width and mesh type are enough to start — every value in mm and inches, confirmed on your project drawing.

ROD PITCH

31.75 / 34 mm
1.250 / 1.339 in

ROD DIAMETER

6.0 mm
0.236 in

SPIRAL PITCH

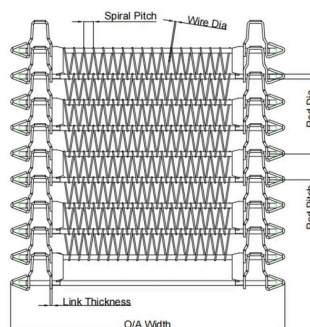
5-23 mm
0.197-0.906 in

BELT WIDTH

300-1100 mm
11.81-43.31 in

Dimension drawing and table

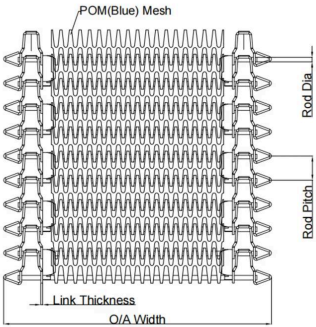
Side-driven belt · stainless steel mesh



Drawing label	Reference (mm / in)
Mesh material	SUS304 / SUS316
Spiral pitch	5-23 mm (0.197-0.906 in)
Wire diameter	1.2 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8 mm (0.047-0.071 in)
Rod pitch	31.75 / 34 mm (1.250 / 1.339 in)
Rod diameter	6.0 mm (0.236 in)
O/A width	300-1100 mm (11.81-43.31 in), custom widths
Turn ratio	Confirmed per project against your drum
Surface	Electropolishing

Drawing label	Reference (mm / in)
Edge	Welded
Use the drawing to tell us which dimensions you can measure. Final values follow the confirmed project drawing.	

Side-driven belt · POM mesh



Drawing label	Reference (mm / in)
Mesh material	POM, grade confirmed for your temperature
Spiral pitch / wire	Not applicable
Rod pitch	31.75 / 34 mm (1.250 / 1.339 in)
Rod diameter	6.0 mm (0.236 in)
O/A width	300-1100 mm (11.81-43.31 in), custom widths
Turn ratio	Confirmed per project against your drum
Metal parts	Surface and welding confirmed per drawing
Use the drawing to tell us which dimensions you can measure. Final values follow the confirmed project drawing.	

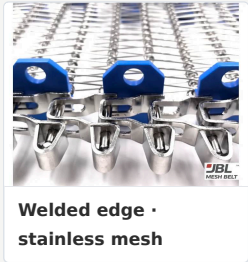
Choose your options

Rod pitch



The pitch must match your sprockets — it is measured on your old belt first.

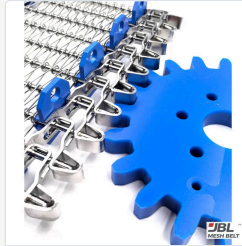
Edge



Sprockets



Split UHMWPE sprocket



Sprocket with stainless mesh



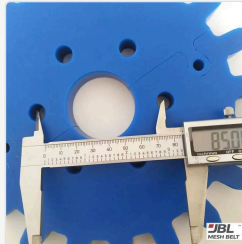
Sprocket with POM mesh



Thickness 20.02 mm (0.788 in)



Hole spacing 140.00 mm (5.512 in)



Hole spacing 85.00 mm (3.346 in)



Locating screw hole 15.00 mm (0.591 in)



Locating screw hole 7.00 mm (0.276 in)

Split sprockets fit onto the shaft without removing it. Belt pitch, tooth profile, tooth count, bore, keyway and mounting are confirmed per drawing, and every reading is recorded. [Sprockets →](#)

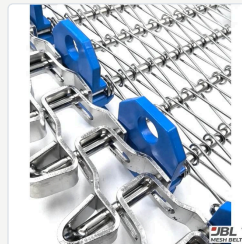
Wear strips



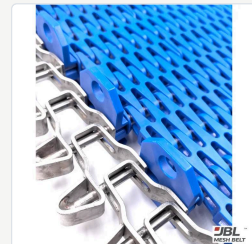
Wear strip



Wear strip, front view



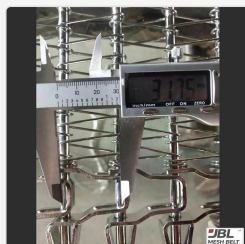
Wear strip on the side link



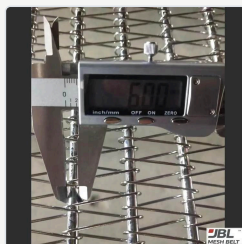
Wear strip with POM mesh

Wear strips sit on the side links where the belt meets the drive. Shape and fit are matched to your original belt.

Measured readings



Rod pitch 31.75 mm (1.250 in)



Rod Ø 6.00 mm (0.236 in)



Spiral pitch 12.00 mm (0.472 in)



Link thickness 2.50 mm (0.098 in)



Overall width 780 mm (30.71 in)



POM mesh · rod pitch 31.75 mm



POM mesh · batch verification

FIT CHECK · TURN RATIO AND PITCH FIRST

03 Will the New Belt Engage Your Sprockets and Turn on Your Drum?

Same width is not enough. A side-driven belt is pulled by sprockets and turns around your drum, so rod pitch, turn ratio, drum diameter and sprockets are checked first — before you get a quotation.

REPLACEMENT

Replacing the belt on an existing side-drive spiral

YOU SEND

Photos of the old belt with a ruler, a sample section if possible, freezer model, drum diameter and operating temperature.

WE CHECK FIRST

Rod pitch (31.75 or 34 mm), turn ratio against your drum diameter, side link and clip connection — measured on your old belt.

YOUR SPROCKETS

Pitch, tooth profile and wear checked. If they need replacing, UHMWPE sprockets are matched and run with the new belt.

YOU GET

Before quoting: will it engage your sprockets and turn on your drum as it is, or does anything else need to change.

NEW PROJECT

Supplying a new side-drive spiral

YOU SEND

Drum diameter, belt width, turn radius, product, temperature and mesh preference.

WE CHECK FIRST

Turn ratio for your drum and width, rod pitch, and stainless or POM mesh for your temperature.

YOUR SPROCKETS

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

YOU GET

A confirmed drawing and a trial run you approve before production.

Get a fit answer

- ✓ Drum diameter, belt width and turn radius
- ✓ Rod pitch: 31.75 or 34 mm
- ✓ Mesh: stainless steel or POM
- ✓ Operating temperature and product
- ✓ Clip connection: yes or no
- ✓ Sprocket tooth count, bore and keyway
- ✓ Old belt sample, photos or drawing

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.