

Flat Wire / Honeycomb 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 BUILD TYPES

01 Plain Flat Wire or Chain-Edge: Which Belt Does Your Line Need?

Your drive decides it. A plain flat wire belt is driven by sprockets across the width; a chain-edge belt is pulled by chains at the sides. Open structure for airflow in cooling, drying and baking.

Plain flat wire belt

12.7-50.8 rod pitch, mm	Odd openings across width	Welded or clinched edge
		
Angled view	Belt surface	Full belt, top view

Chain-edge flat wire belt

Chain side drive	Per drawing chain count and layout	Lift plates where specified
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Chain edge



With lift plates

SPECIFICATIONS & OPTIONS

02 Flat Wire Belt Specifications: Openings, Flat Strip, Rod Pitch and Edge

Compare your old belt with this table. Opening count, rod pitch and flat strip size are enough to start — every value in mm and inches, confirmed on your project drawing.

ROD PITCH

12.7-50.8 mm
0.500-2.000 in

ROD DIAMETER

3-8 mm
0.118-0.315 in

FLAT STRIP

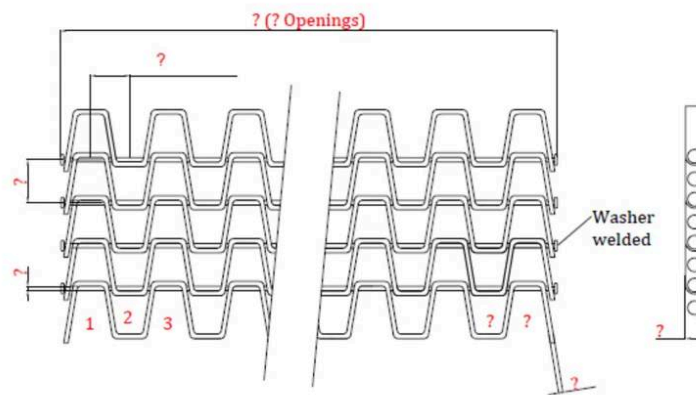
1.2-2.8 mm thick
0.047-0.110 in

BELT WIDTH

200-4000 mm
7.87-157.48 in

Dimension drawing and table

Flat wire belt · fill in the red marks from your old belt



Drawing label	Reference (mm / in)
Material	SUS304 / SUS316 / SUS316L / mild steel
Overall width (openings)	200–4000 mm (7.87–157.48 in); odd number of openings
Spiral pitch	12.7–40 mm (0.500–1.575 in), or custom
Rod pitch	12.7 / 25.4 / 27.4 / 38.1 / 50.8 mm (0.500 / 1.000 / 1.079 / 1.500 / 2.000 in)
Rod diameter	3 / 4 / 5 / 6 / 8 mm (0.118 / 0.157 / 0.197 / 0.236 / 0.315 in)
Flat strip	1.2 × 9.5 / 1.2 × 10 / 1.42 × 9.4 / 1.6 × 12 / 1.6 × 12.7 / 2.8 × 16 mm
Edge	Washer welded / rod welded / clinched
Surface	Pickling / electropolishing (stainless); oiled (mild steel)
Accessories	Lift plates, side guards, centre flights
Use the drawing to tell us which dimensions you can measure. Final values follow the confirmed project drawing.	

Choose your options

Measured readings



Pitch 12.70 mm
(0.500 in)



Pitch 12.70 mm,
second point



Flat strip 1.42 mm
(0.056 in)



Tape check along the
belt

Edge & chain



Chain edge



Lift plates on a chain-edge
belt

Washer welded, rod welded or clinched — matched to a photo of your old belt.

Material & surface

SUS304 / SUS316 / 316L

Pickled or electropolished
for food and humid lines.

Mild steel

Oiled against rust for dry,
high-temperature lines.

Chosen per project

Material and finish follow
your temperature, product
and cleaning.

Accessories



Lift plates fitted
Height and spacing per drawing



Lift plate clamp with bolt



Lift plate clamp, side view

Lift plates, side guards and centre flights, with spare rods, flat strips and washers packed where agreed.

Sprockets

SUS304 / SUS316 or plastic (nylon, UHMWPE, POM) sprockets, matched to the belt pitch; tooth count, bore and keyway per drawing, and run with the belt before shipment. [Sprockets →](#)

FIT CHECK · OPENINGS AND STRIP FIRST

03 Will the New Belt Fit Your Line and Your Sprockets?

Looking the same is not enough. Opening count, flat strip size, rod pitch and edge decide whether the belt runs straight and supports your product — they are checked first, before you get a quotation.

REPLACEMENT

Replacing a flat wire belt on your line

YOU SEND

Photos of the old belt and its edge with a ruler, the number of openings, width and length, or a short sample.

WE CHECK FIRST

Opening count (odd), rod pitch, rod diameter, flat strip size and edge type — measured on your old belt.

YOUR SPROCKETS

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

YOU GET

Before quoting: will it run on your line and sprockets as it is, and whether any part needs new tooling.

NEW LINE

Supplying a new cooling, drying or baking line

YOU SEND

Product, temperature, belt width and length, load and drive layout.

WE CHECK FIRST

Opening size for your airflow and product support, strip size, pitch, material and edge.

YOUR SPROCKETS

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

YOU GET

A confirmed drawing, and a first-article check before bulk production.

Get a fit answer

- ✓ Number of openings across the width (odd)
- ✓ Rod pitch and rod diameter
- ✓ Flat strip thickness × height
- ✓ Belt width and length
- ✓ Edge: washer welded, rod welded or clinched
- ✓ Material, surface and temperature
- ✓ Sprockets, lift plates or side guards

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.