

Z-Type Ladder 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.

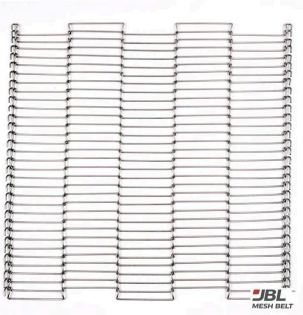
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TWO BELT TYPES

01 Straight-Running or Curved: Which Z-Type Ladder Belt Does Your Line Need?

A straight belt is confirmed by its spaces, edge and loop width. A curved belt also needs the turn direction, angle, inner radius, inner and outer pitch and the drive — confirmed before quoting.

Straight-running Z-type ladder belt

Odd spaces, ≥ 3	4-23.8 mm pitch	76-2352 mm width
		
Five open spaces	Spaces and edge loops	Wide belt, many spaces

Curved Z-type ladder belt

Inner radius confirmed	In / out pitch confirmed	Drive confirmed first
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Curved sections



Curve, fan view



Tight loops on the inner edge

SPECIFICATIONS & OPTIONS

02 Z-Type Ladder Belt Specifications: Pitch, Wire, Spaces, Loop Width and Width

Compare your old belt with this table. Pitch, wire diameter and the number of spaces are enough to start — every value in mm and inches, confirmed on your project drawing.

PITCH

4-23.8 mm
0.157-0.937 in

WIRE

1.0-2.8 mm
0.039-0.110 in

SPACES

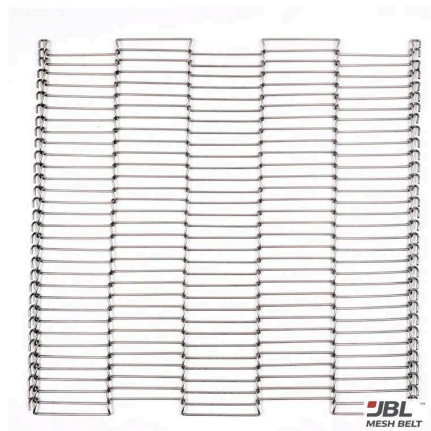
Odd, ≥ 3
confirmed per order

BELT WIDTH

76-2352 mm
2.99-92.60 in

Photo and specification table

Z-type ladder belt



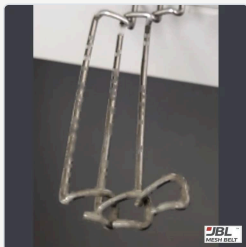
Drawing label	Reference (mm / in)
Material	SUS304 / SUS316
Pitch	4-23.8 mm (0.157-0.937 in), custom
Wire diameter	1.0 / 1.2 / 1.3 / 1.4 / 1.5 / 1.6 / 1.8 / 1.9 / 2.0 / 2.3 / 2.35 / 2.5 / 2.8 mm
Common wire / pitch	1.2-6.4 · 1.4-6.4 · 1.6-7 · 1.8-9 · 2.0-10 · 2.35-12.7 · 2.5-12.7 mm

Drawing label	Reference (mm / in)
Number of spaces	Odd, at least 3
Loop width (edge size)	As specified; otherwise about 5 × wire diameter
Belt width	76–2352 mm (2.99–92.60 in), custom
Edge	Single-loop / double-loop; crimped or not crimped, per your photo
Options	Flat wire, curved, raised surface, special styles — per drawing
Sprockets / accessories	SUS304 / SUS316 or UHMWPE, nylon, POM, connecting sleeves

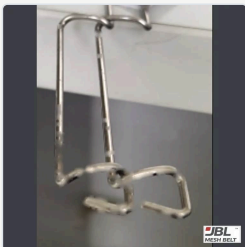
Send close-up photos of the mesh which dimensions you can measure. Final values follow the confirmed project drawing.

Choose your options

Edge



Crimped edge



Not crimped edge



Edge loops, close-up



Loop at the belt end



Heavy wire, crimped edge



Heavy wire, edge loops

Send a close-up photo of your old belt edge — crimped and not crimped edges install differently.

Curved belts



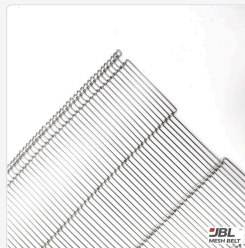
Curved sections



Fan view of the curve



Inner edge loops



Spaces across the curve

For a curve, send the turn direction, angle, inner radius, inner and outer pitch and the drive. A curved belt is not quoted until these are confirmed.

Flat wire & special



Flat wire type



Flat wire, close-up



Special style wires



Small pitch, round wire

Sprockets



Belt seated on its sprocket



UHMWPE sprockets on the shaft



Running test before shipment

Sprocket pitch matched to the belt — for example a 12.7 mm pitch belt on 25-tooth UHMWPE sprockets with a square bore. Bore and keyway per drawing. **Sprockets →**

Measured readings



Pitch 6.00 mm (0.236 in)



Pitch 7.30 mm (0.287 in)



Wire Ø 1.00 mm (0.039 in)



Wire Ø 1.60 mm (0.063 in)



Loop width 6.00 mm (0.236 in)



Loop width 8.50 mm (0.335 in)



Width 600 mm (23.62 in)



Width 1100 mm (43.31 in)

03 Will the New Belt Fit Your Conveyor and Track Straight?

Looking the same is not enough. The number of spaces, the edge — crimped or not — and the loop width decide whether the belt fits your conveyor and runs straight. They are checked first, from your photos, before you get a quotation.

REPLACEMENT & REPEAT ORDER

Replacing or re-ordering a Z-type ladder belt

YOU SEND

Close-up photos of the edge, a tape over 10 pitches, the wire diameter and the overall width.

WE CHECK FIRST

Number of spaces (odd), edge crimped or not, loop width, pitch and wire — against your photos.

YOUR DRIVE

Sprocket pitch, teeth and bore checked; new sprockets matched to the belt if needed.

YOU GET

Before quoting: the spaces, edge and loop width written into the quotation for you to confirm.

NEW LINE

Supplying a belt for a new line

YOU SEND

Product, belt width and length, the conveyor layout, and any curve.

WE CHECK FIRST

Wire and pitch, spaces, edge and loop width; for curves, inner radius and inner and outer pitch.

YOUR DRIVE

Sprockets in steel or plastic matched to the pitch; bore per drawing.

YOU GET

A confirmed drawing, a first-article check and a sprocket running test before shipment.

Get a fit answer

- ✓ Photos of the edge (crimped or not)
- ✓ Wire diameter and pitch
- ✓ Number of spaces
- ✓ Loop width (edge size)
- ✓ Belt width and length
- ✓ Curve, flat wire or raised surface
- ✓ Sprockets and sleeves needed

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.

info@jblmeshbelt.com · [WhatsApp +86 138 1487 2506](https://www.jblmeshbelts.com) · www.jblmeshbelts.com

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