JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

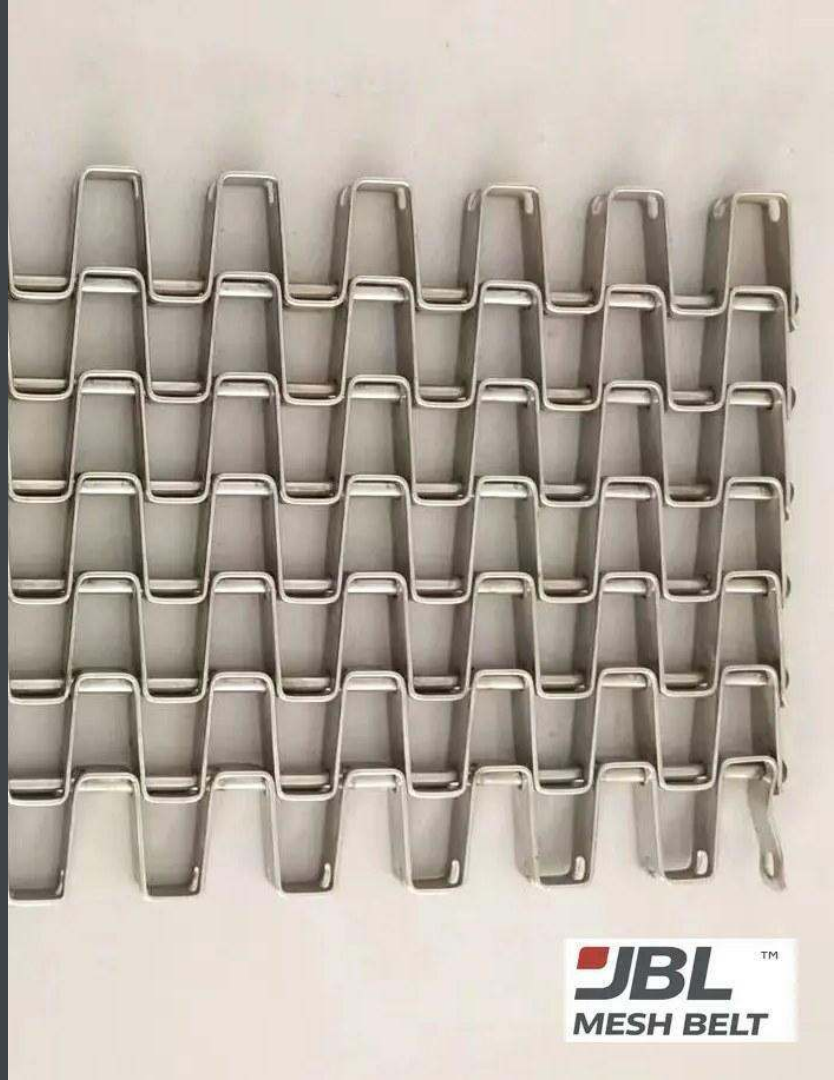
PROJECT CASES · FLAT WIRE / HONEYCOMB BELT

Flat Wire / Honeycomb Belt: Two Projects, Two Starting Points

One belt built to a strict OEM drawing, one copied from a customer's sample — what was read, checked and supplied.

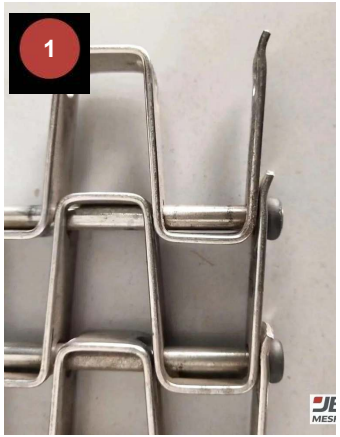
USA · fishing vessels · about 700 m

Australia · can washing · about 61 m



Drawing or sample, read before bulk

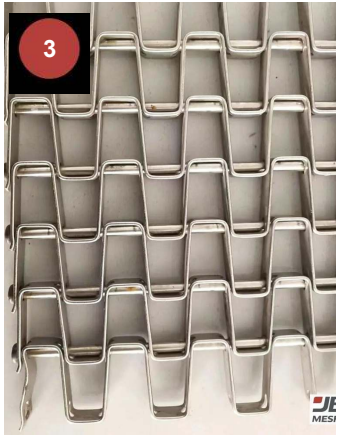
Both projects: fit read before bulk; the USA trial was checked against the drawing.



Drawing and original sample checked



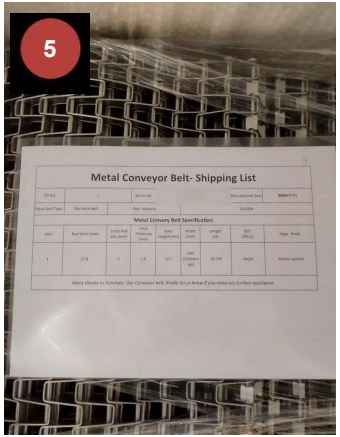
Readings taken on the sample



Trial run checked against the drawing



Bulk belt read again



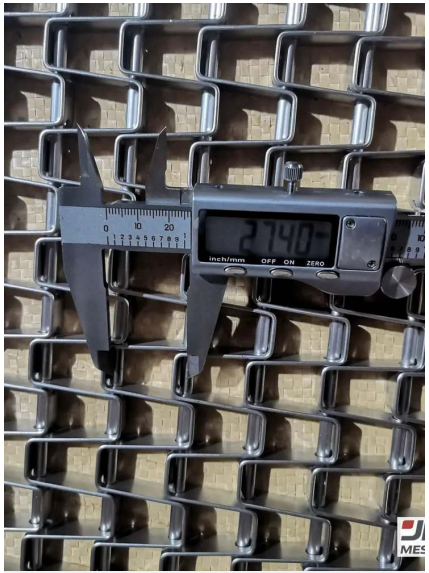
Rolls labelled and crated

USA 2024, Australia 2022

What to send → page 14

What decides fit on a flat wire belt

Read on the original or drawing, again on the bulk belt.



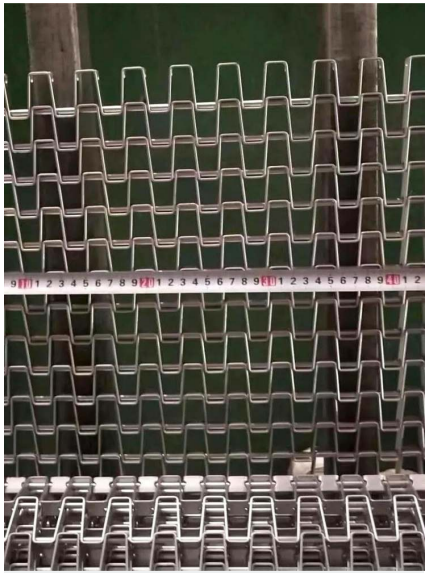
Pitch, read over the length



Flat strip thickness and height



Bend radius and edge



Width for each frame

USA 2024, Australia 2022

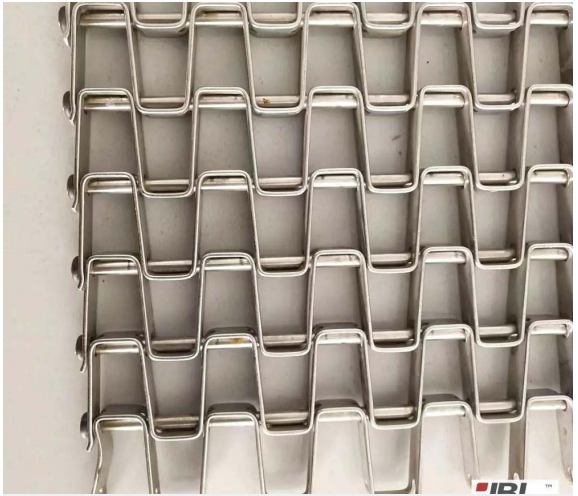
See: Edge Styles

Replacing OEM belts: a detailed drawing and the original sample.

SUS304 · pitch 27.4 mm · rod 5 mm · strip 1.6 × 12.7 mm · washer-welded edge · widths 404–1016 mm (16–40 in).



Flat wire belt, full width



Belt lying flat, washer-welded edge



Formed edge links with welded washers

USA 2024

Send details → page 14

The drawing gave the targets. The sample showed how the original was formed.

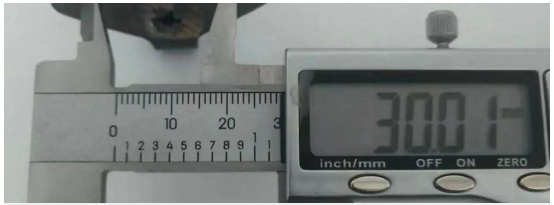


Pitch read along the belt with a tape

Drawing	Targets, radii, tolerances; not how it was formed
Original sample	Real forming, edge and weld; worn, may differ
Both together	Each point checked against both
Inch values	12.70 mm is ½ in: the unit is checked before rounding
Strip thickness	Read on the original and the finished belt: 1.60 mm (0.063 in)



Original edge part: 4.89 mm (0.193 in)



Clip opening read: 30.01 mm (1.181 in)

JBL Mesh Belt engineering articles, 2026, USA 2024

What to send → page 14

Drawing requirements, checked on the trial run

Trial checked against the drawing, approved before bulk.



Trial belt lying flat

Bend radii	Specified on the drawing; checked on the trial run
Edges	Burr-free edges specified; checked on the trial run
Belt surface	Flat; checked lying flat
Approval	Trial run approved by the customer before bulk



Bend radius and edge, close up



Flat strip: 1.60 mm (0.063 in)



Edge detail: 12.70 mm (0.500 in)

USA 2024

Send details → page 14

Bulk belt read again before packing

Readings on the finished rolls, five widths.



Pitch: 27.40 mm (1.079 in)



Cross rod: 5.00 mm (0.197 in)



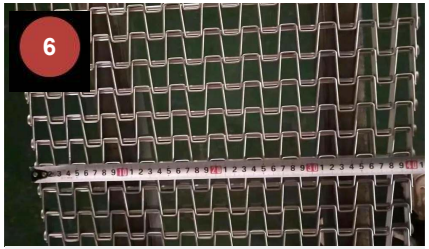
Strip thickness: 1.60 mm (0.063 in)



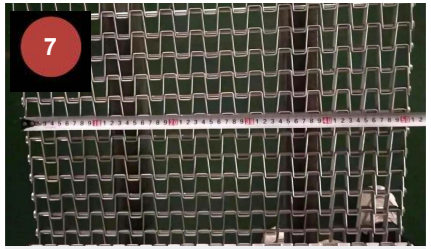
Strip height: 12.70 mm (0.500 in)



Mesh opening: 18.82 mm (0.741 in)



Width check: 404 mm (15.91 in)



Width check: 508 mm (20.00 in)



Edge of the 1016 mm belt

USA 2024

See: Pre-Shipment Checks

Before you send a strict drawing, ask these

A drawing that sets bend radii and bans burrs cannot be met by copying the shape.



USA: edge and surface checked lying flat

How are the radii met?	Trial run made to the drawing and checked against it
How are burrs controlled?	Edges checked on the trial; a burr wears what it touches
Trial run first?	Yes, approved before bulk
Which readings will I see?	Caliper photos on the trial and the finished belt
Clips and sprockets?	Measured against the same belt



Washer-welded edge, bulk



Clip: new against original

JBL Mesh Belt engineering articles, 2026, USA 2024

What to send → page 14

Clips, flight bars and sprockets after the belt

After the trial, a verification clip was sent as a sample.



Original clip (left) and verification clip



Flight bar bolted across the belt



Sprocket tooth pitch: 25.40 mm (1.000 in)

USA 2024

See: Sprocket Matching

Rolls labelled, crates marked

Each roll labelled with width, length and count.



Packing list on each roll



Spare rods and washers packed with the rolls



Plywood crate, marked and strapped

USA 2024

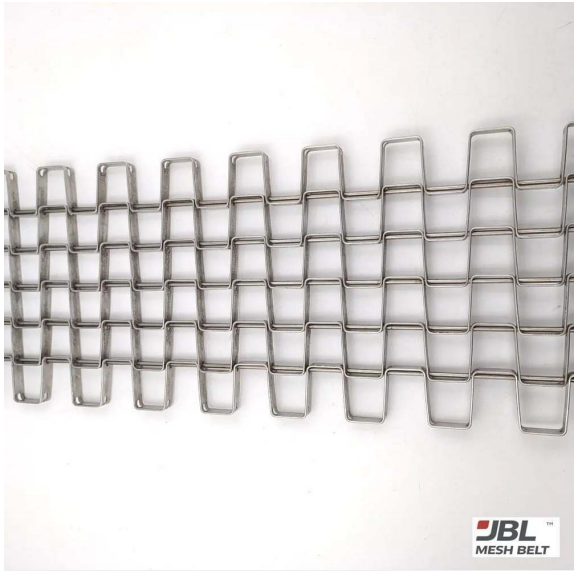
See: Packing & Export Protection

Australia · can washing line · about 61 m

No drawing: a section of the original, from a wet chemical line.



Customer's sample, laid flat



Customer's sample, angled view



Clenched edge on the sample

Australia 2022

Send details → page 14

Sample readings to specification

Readings set the specification; rod read again on the bulk belt.



Sample rod: 2.97 mm (0.117 in)



Bulk belt rod: 3.00 mm (0.118 in)

	Sample	Belt supplied
Pitch	**25.41**	**25.4 (spec)**
Cross rod	**2.97**	**3.00**
Flat strip	**1.21 × 9.50**	**1.2 × 9.5**
Edge	**Clenched**	**Clenched**
Material	**Stainless**	**SUS316 / 316L**

1 in = 25.4 mm. SUS316 rods, SUS316L strips. Two rolls.

Australia 2022

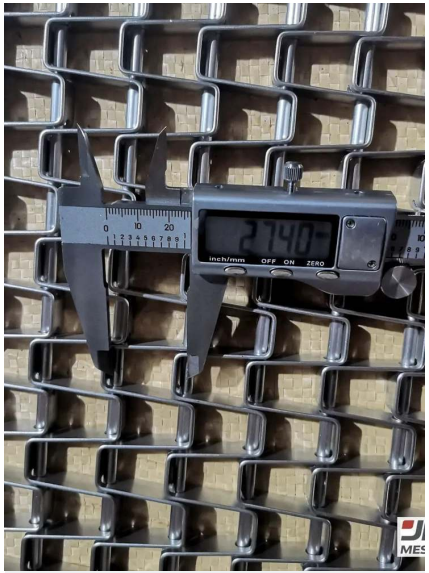
See: Material & Food-Contact Documents

USA: what the buyer saw before shipment

Photos and readings of the trial and the bulk belt.



Trial run, lying flat



Readings on the bulk belt



Bend radius on the trial



Packing list on each roll

USA 2024

See: Pre-Shipment Checks

Flat wire belt? Send these

Six items to start a flat wire belt review.



1 Belt photos, top and edge, with a tape



2 Pitch, rod and strip readings



3 Width of each belt



4 Edge close-up



5 Sprockets, clips, flight bars?



6 Line: product, temperature, cleaning

Send it on WhatsApp

+86 138 1487 2506

info@jblmeshbelt.com

Your drawings and photos are used only for your project.

Scan to chat

Projects: Australia 2022, USA 2024

Full quote checklist → What to Send for a Quote

JBL MESH BELT

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START A PROJECT WITH JBL

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Send your drawing, old-belt photos or a section of the original.

We read the fit dimensions with you before the quotation.

RELATED BOOKS

- Edge Styles
- Sprocket Matching
- Material & Food-Contact Documents
- What to Send for a Quote

GET IN TOUCH

WhatsApp	**+86 138 1487 2506**
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