JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

PROJECT CASE · SMALL RADIUS SPIRAL FREEZER BELT

Replacing a Small Radius Spiral Belt — Approved Before Bulk

One real project: the drawing prepared from the customer's data, a trial run approved from photos, a full-circle turn test, then bulk.

Malaysia · 2026 · about 130 m · replacement on an existing spiral



Seen and approved before the full order

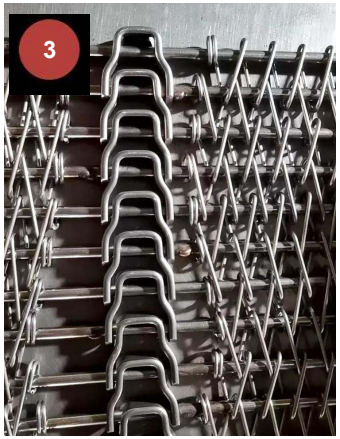
Approved from photos and samples before bulk.



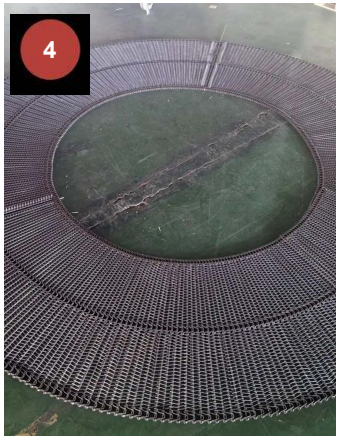
Trial run made to the drawing, joined to the original



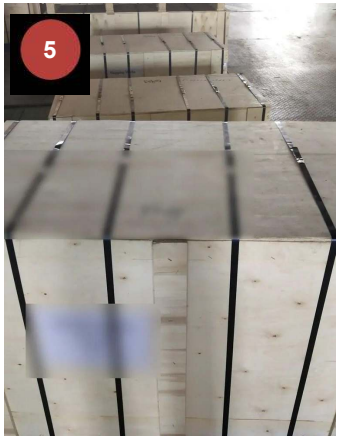
Trial run measured with a caliper



Welds and rod ends ground a second time



Laid out in a full circle



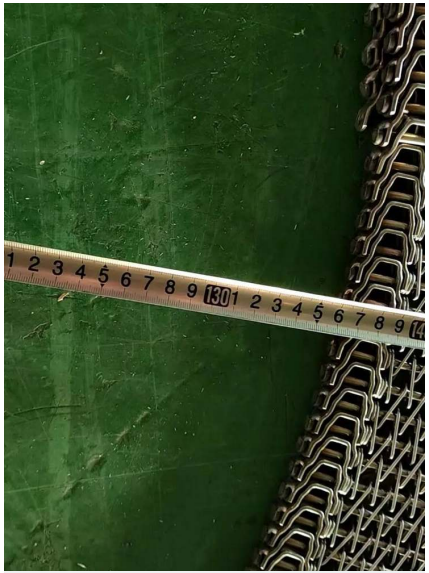
About 130 m packed and shipped

Malaysia 2026

What to send → page 12

On a tight turn, the inner edge decides fit

Same width and pitch does not mean the same belt.



The inner edge has to close evenly on a tight turn



Link spacing decides how far the belt can close



The edge rides the drum and guides



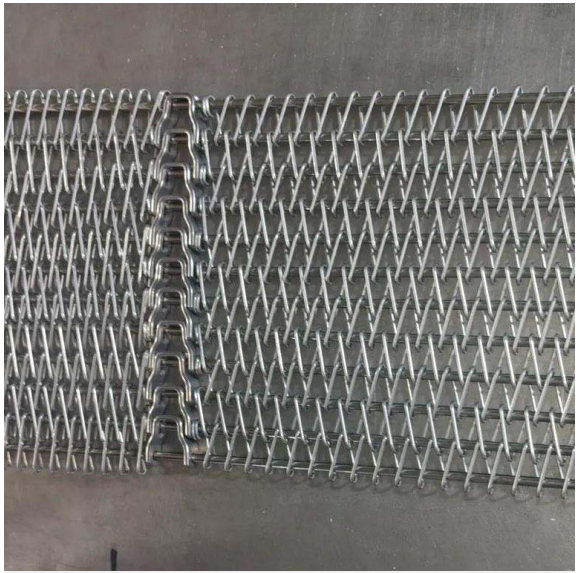
It has to run with the existing line

Malaysia 2026

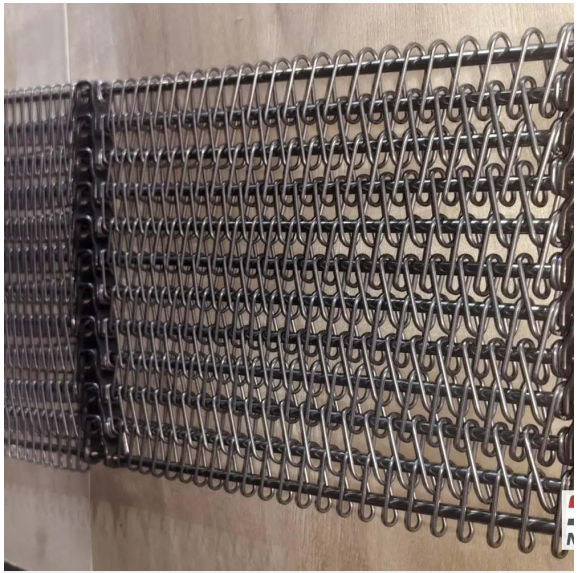
See: Spiral Freezer Belt Buyer's Guide

Malaysia · existing spiral · about 130 m

It had to run on the existing spiral like the original.



Trial run linked to the original section



Trial run and original, side by side



Edge checked with a tape

Malaysia 2026

Send details → page 12

Trial run measured against the drawing

Read with a caliper, sent with the photos.



Pitch: 27.40 mm (1.079 in)



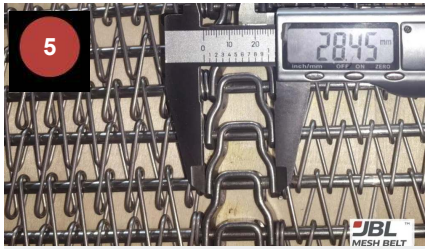
Rod pitch: 19.05 mm (0.750 in)



Link thickness: 2.72 mm (0.107 in)



Link: 28.35 mm (1.116 in)



Link: 28.45 mm (1.120 in)



Link: 26.52 mm (1.044 in)



Edge detail: 12.00 mm (0.472 in)



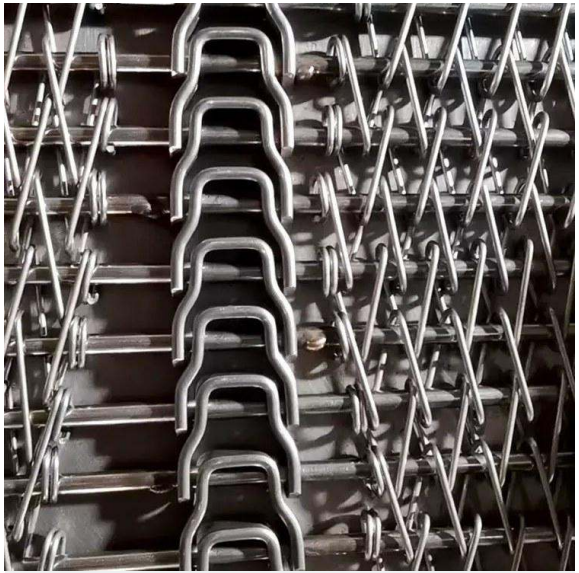
Link spacing, with a tape

Malaysia 2026

Read pitch over ten → What to Send for a Quote

Welds and rod ends ground a second time

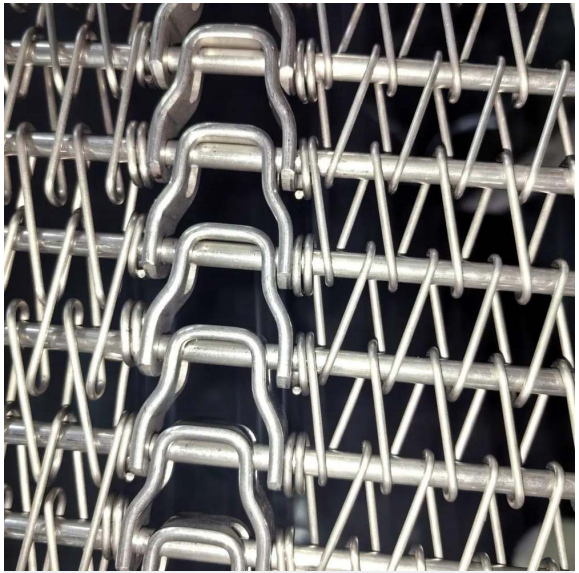
The edge is what touches your drum and guides.



Trial run: edge links and welds



Bulk belt: welds ground



Edge links, close up

Malaysia 2026

See: Edge Styles

Turn test: laid out in a full circle

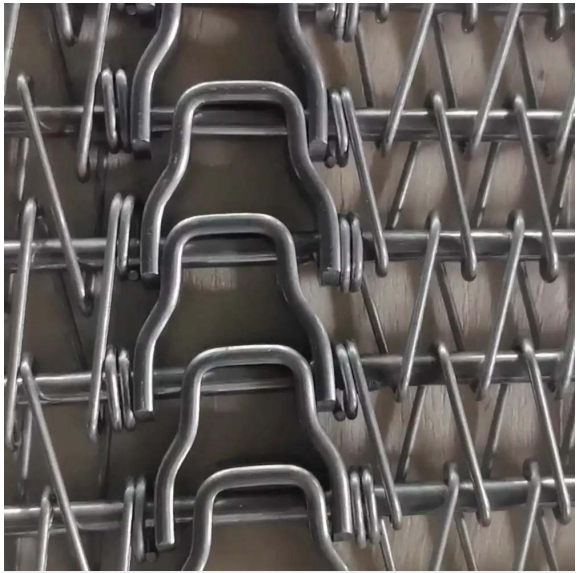
It shows how the mesh closes on the inside of the turn.



Belt laid out in a full circle



Inner edge on the turn, checked with a tape



Video: trial run walk-through

Malaysia 2026

See: Spiral Belt Turn Ratio

Same readings on trial and bulk

Rod pitch read the same way on trial and bulk.



Trial run: 19.05 mm (0.750 in)



Bulk belt: 19.05 mm (0.750 in)

	Trial run	Bulk belt
Rod pitch	**19.05**	**19.05**
Pitch	**27.40**	**per drawing**
Link thickness	**2.72**	**per drawing**
Wire	**per drawing**	**1.60**

Bulk ordered after the trial was approved.

Malaysia 2026

Send details → page 12

Packed in sections, crates strapped

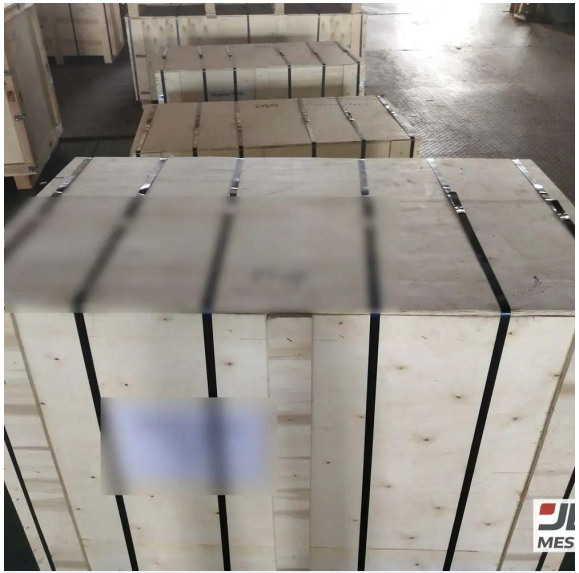
Film-lined sections, spare rods, crates strapped for sea freight.



Sections packed, film-lined



Packed with spare rods



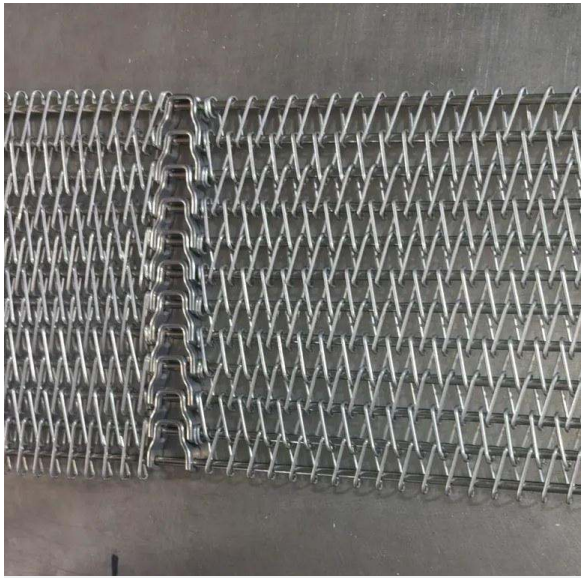
Crates strapped for sea freight

Malaysia 2026

See: Packing & Export Protection

What the approval drawing has to state

Complete enough to build to, and to inspect against.



Malaysia: trial made to the approved drawing

Belt type and widths	Belt width and overall width
Rod and link pitch	Rod diameter, rod pitch, inner and outer link pitch
Inside radius, direction	Measuring point, turn ratio, CW or CCW
Edge and drive	Edge construction; drum or sprocket interface
Material, revision	Grade and finish; revision and approval date



Trial rod pitch: 19.05 mm (0.750 in)



Trial pitch: 27.40 mm (1.079 in)

JBL Mesh Belt engineering articles, 2026, Malaysia 2026

See: Spiral Belt Turn Ratio

What the customer saw before shipment

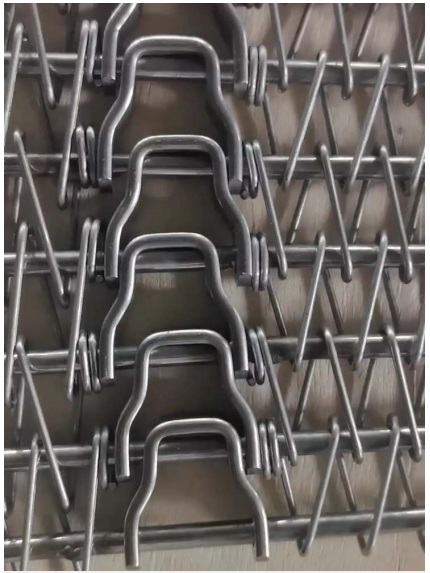
Photos, readings and video came before shipment.



Readings on the trial run



Trial next to the original



Walk-through video



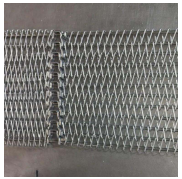
Turn test photos

Malaysia 2026

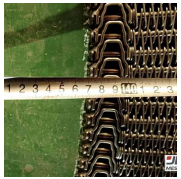
See: Payment & Payment Safety

Small radius spiral? Send us these

Six items to start a small radius belt review.



1 Drawing, or the belt data you have



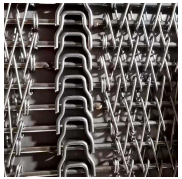
2 Inside radius, and how it is measured



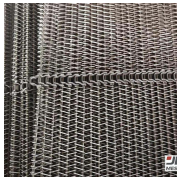
3 Belt width and turning space



4 Pitch, rod pitch and link readings



5 Edge photos, close up



6 Total length and destination

Send it on WhatsApp

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info@jblmeshbelt.com

Your drawings and photos are used only for your project.

Scan to chat

Projects: Malaysia 2026

Full quote checklist → What to Send for a Quote

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START A PROJECT WITH JBL

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Send your drawing, belt data or old-belt photos.

We review the small-radius fit with you before you order.

RELATED BOOKS

- Spiral Freezer Belt Buyer's Guide
- Spiral Freezer Belt — Project Cases
- What Is Checked Before Your Belt Ships

GET IN TOUCH

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