JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

PROJECT CASES · Z-TYPE LADDER BELT

Z-Type Ladder Belt: Copied From the Original, Checked Over Ten Pitches

Two projects started from the customer's belt — what was read, drawn, compared and supplied.

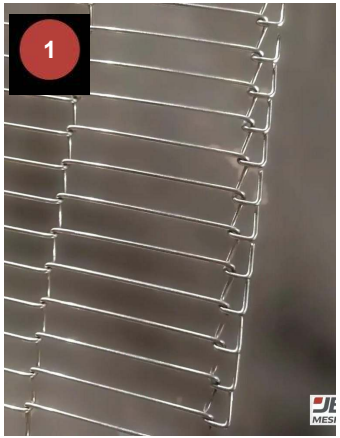
Libya · frying line · 50 m in 10 m rolls

Australia · pizza ovens · about 300 m in 10 m lengths

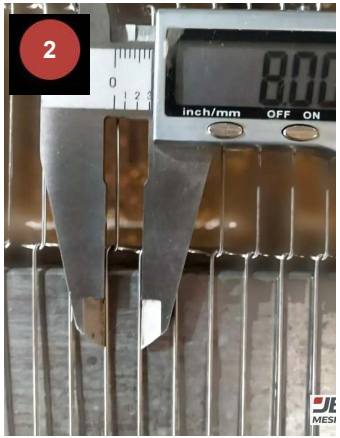


Original belt, drawing, comparison, rolls

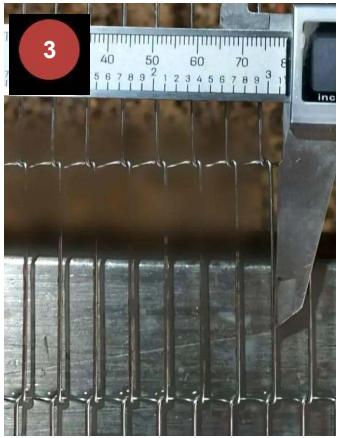
Both belts were drawn from the customer's original before production.



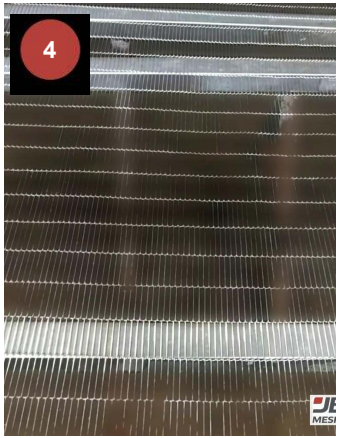
Customer's original belt read



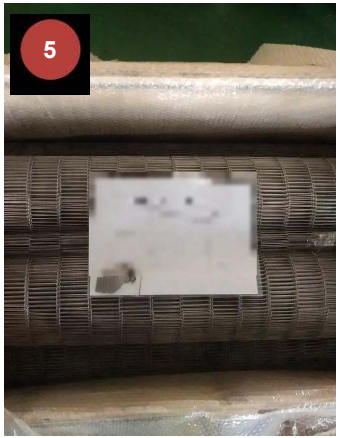
Pitch, wire, spaces, edge loop measured



Ten pitches read, not one



Trial or bulk compared with the original



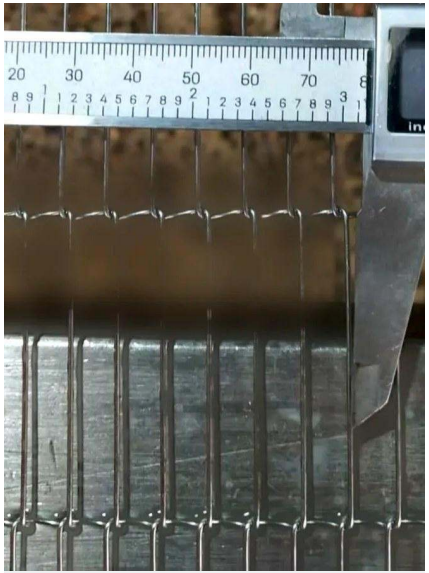
10 m rolls packed in a lined crate

Libya 2025, Australia 2025

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What decides fit on a Z-Type Ladder Belt

Pitch, wire, spaces across the belt and the edge loop.



Pitch, read over ten pitches



Wire diameter



Space across the belt



Edge loop

Libya 2025, Australia 2025

Read pitch over ten → What to Send for a Quote

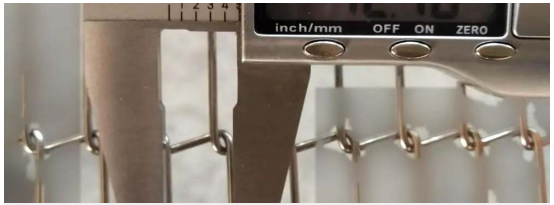
Five readings, and how each is taken on an old belt

With these values a drawing can be made, even without the original maker.



Libya: wire read on a straight part, 1.00 mm (0.039 in)

Wire diameter	On a straight part, not on a bend
Pitch	Over ten pitches, then divided; not one link
Spaces	Counted across the full width, not from half a photo
Space size	Across one space; not a worn, stretched one
Edge loop	Across the loop; it is always given



Australia: one pitch, 12.70 mm (0.500 in)



Libya: edge loop, 5.00 mm (0.197 in)

JBL Mesh Belt engineering articles, 2026, Libya 2025, Australia 2025

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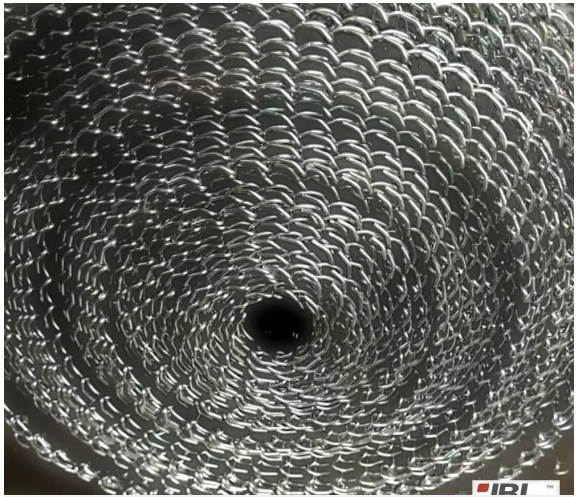
Libya · potato chip frying line · 50 m

Replacing the OEM belt, from a sample of the original.

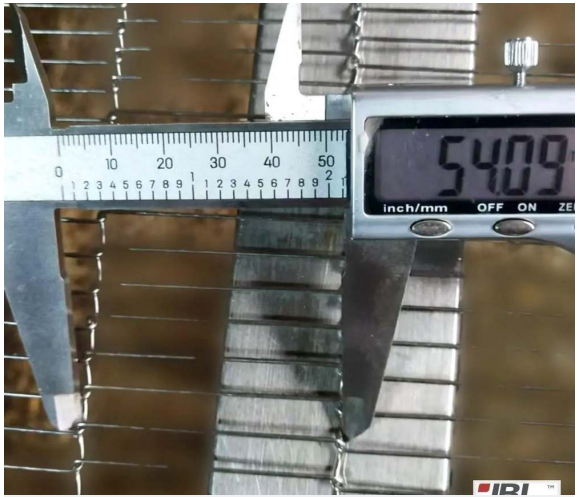
SUS304 · pitch 8 mm · wire 1 mm · 19 spaces · edge loop 5 mm.



Belt laid on support bars for checking



Roll end: Z-formed wires hooked at the edges



Space measured: 54.09 mm (2.130 in)

Libya 2025

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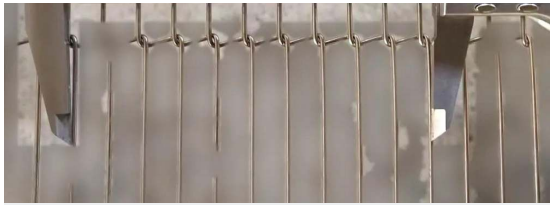
Why the pitch is read over ten links

One link can read right while the belt drifts. Ten pitches show it.



Libya: ten pitches, 80.04 mm (3.151 in)

Libya, 8 mm pitch	Ten pitches 80.04 mm: about 0.004 mm a link
Australia, 12.70 mm	Ten pitches 127.00 mm
If the pitch drifts	Wires climb the sprocket teeth and wear fast
Inch values	12.70 mm is ½ in: the design unit is checked first
Before rounding	A reading on an inch value is kept as read



Australia: 127.00 mm (5.000 in)



Australia original: 12.70 mm (0.500 in)

JBL Mesh Belt engineering articles, 2026, Libya 2025, Australia 2025

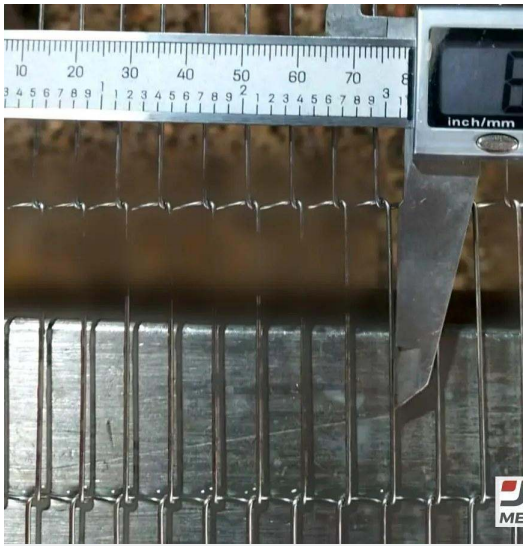
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Drawing against the caliper

A trial length was compared with the original before the 50 m.



Pitch: 8.00 mm (0.315 in)



Ten pitches: 80.04 mm (3.151 in)

	Drawing	Caliper
Pitch	**8**	**8.00**
Ten pitches	**80**	**80.04**
Wire	**1**	**1.00**
Spaces	**19**	**19**
Edge loop	**5**	**5.00**

1 in = 25.4 mm. SUS304.

Libya 2025

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Five 10 m rolls in one crate

Spare parts bagged in the crate; labels blurred in photos.



Finished roll



10 m rolls in a lined crate



Crate strapped for export

Libya 2025

See: Packing & Export Protection

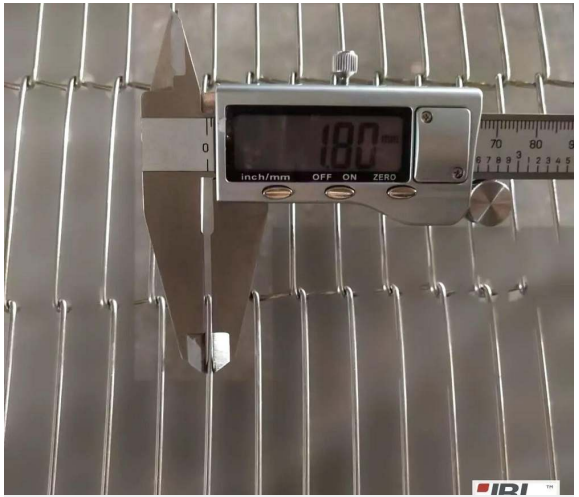
Australia · pizza ovens · about 300 m

One length per oven, copied from the original belt.

SUS304 · wire 1.8 mm · pitch 12.7 mm · 9 spaces · edge loop 9 mm (confirmed on the drawing).



Customer's original belt: edge loops



Original wire: 1.80 mm (0.071 in)



Original pitch: 12.70 mm (0.500 in)

Australia 2025

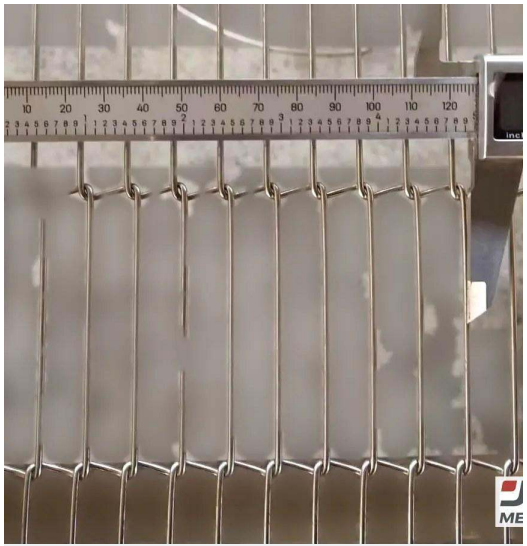
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Bulk belt against the original

Same caliper; the edge loop changed only by the confirmed drawing.



Bulk wire: 1.81 mm (0.071 in)



Ten pitches: 127.00 mm (5.000 in)

	Original	Bulk
Wire	**1.80**	**1.81**
Pitch	**12.70**	**12.70**
Ten pitches	—	**127.00**
Edge loop	**10.00**	**9.02**
Spaces	—	**9**

9 mm edge loop confirmed on the drawing first.

Australia 2025

See: Edge Styles

Cut into 10 m lengths, one per oven

About 300 m in one order, supplied in 10 m lengths.



Bulk roll and a laid-out length



Roll end: Z-formed wires hooked at the edges



Edge loop: 9.02 mm (0.355 in)

Australia 2025

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What is checked against the old belt on every ladder belt

Nothing about the edge or the length should be a surprise when the belt arrives.



Australia: edge loops on the original

Spaces	Counted on the old belt: 19 in Libya, 9 in Australia
Edge loop	A change goes on the drawing: 10.00 → 9 → 9.02 mm
Ten pitches	Bulk read the same way as the original
Wire	Australia: 1.80 original, 1.81 bulk
Lengths	As fitted: one length per oven, or rolls per line



Bulk edge loop: 9.02 mm (0.355 in)

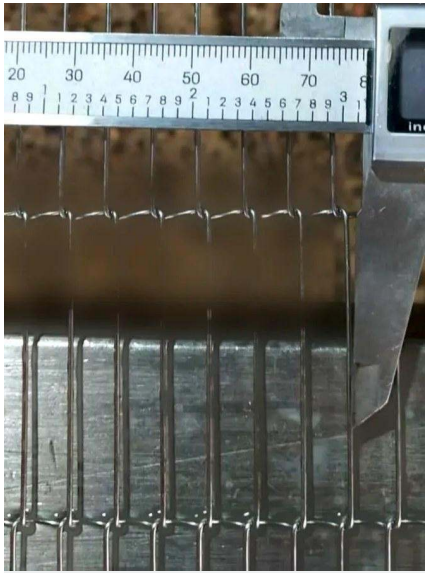


Australia original wire: 1.80 mm (0.071 in)

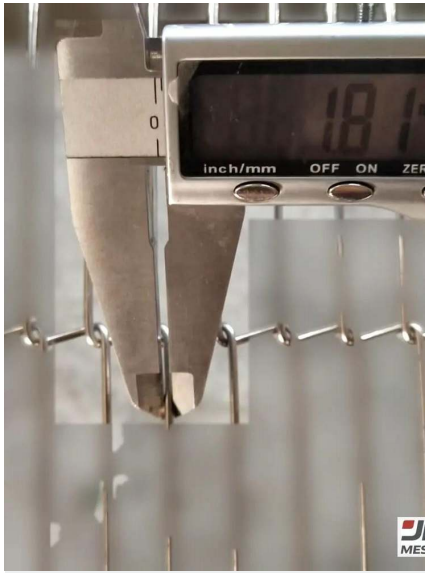
JBL Mesh Belt engineering articles, 2026, Libya 2025, Australia 2025

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Readings and photos came before shipment.



Ten pitches on the belt



Bulk wire against the original



Bulk roll laid out



Rolls in the crate

Examples from the two projects in this book, Projects: Libya 2025, Australia 2025

See: Payment & Payment Safety

Z-Type Ladder Belt? Send these

Six items to start a Z-Type Ladder Belt review.



1 Belt photos, top and edge



2 Pitch over ten pitches



3 Wire diameter



4 Spaces across, and belt width



5 Edge loop reading



6 Length per piece, or in rolls

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: Australia 2025

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, old-belt photos or a sample of the original.

We read pitch, wire, spaces and edge loop with you before the quotation.

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- Packing & Export Protection
- What Is Checked Before Your Belt Ships

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