JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

PROJECT CASE · CHAIN-DRIVEN BELT

Chain-Driven Belt: A Steam Oven Belt Copied From a Sample

One real project: the chain and mesh read on the customer's sample, a trial chain made first, then the belt.

Australia · 2023 · steam oven tunnel · about 33 m, shipped by air

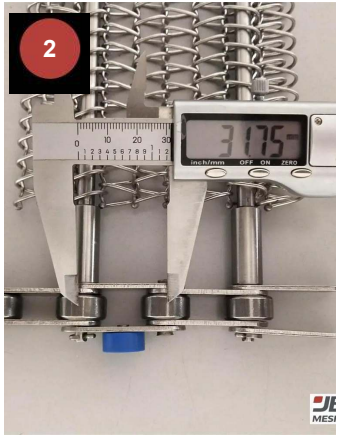


Sample, custom chain, trial chain, belt

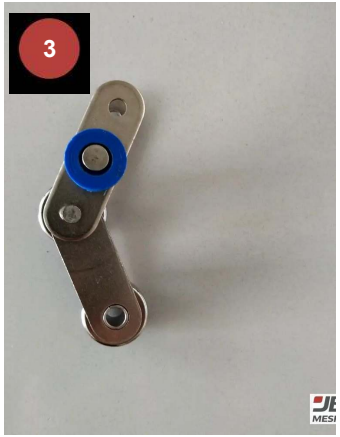
Non-standard chain: measured and trialled before the belt.



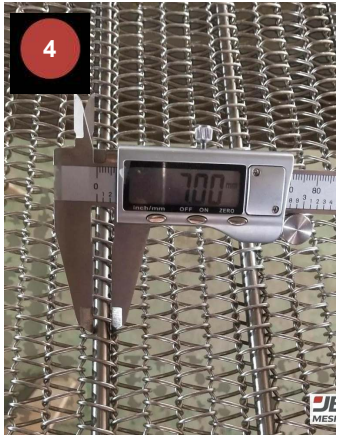
Customer's sample: mesh, rods and side chain



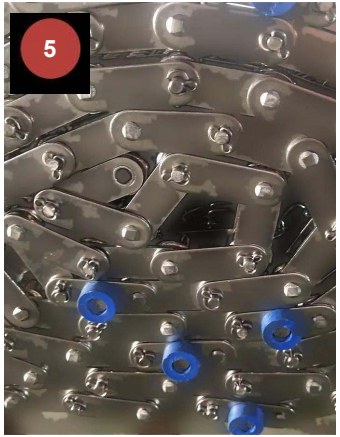
Chain and mesh read with a caliper



Trial chain with guide rollers



Bulk belt read again



Crated and shipped by air

Australia 2023

See: Chain-Driven Belt Buyer's Guide

Australia · steam oven tunnel · about 33 m

Steam, acid and alkaline cleaning; the belt rides on a side chain.



Customer's sample: mesh, rods and side chain



Sample chain edge with cotter pins



Sample chain edge, end view with guide roller

Australia 2023

Send details → page 13

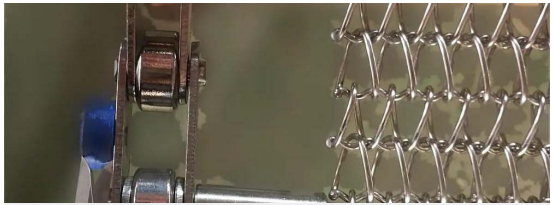
What each reading on the sample decides

The chain was not a catalogue part, so it was read as closely as the mesh.

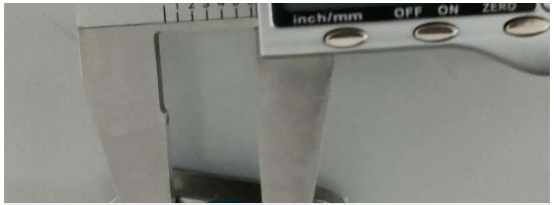


Trial chain link: plates, roller, guide roller

Chain pitch, roller	Sprocket fit: 31.75 mm (1¼ in), 19.05 mm (¾ in)
Chain plate	Plate thickness: 2.00 mm (0.079 in)
Guide roller	Blue guide rollers, copied: 16.00 mm (0.630 in)
Rod	Fit at the chain and in the mesh: 7.00 mm (0.276 in)
Mesh pitch, wire	Product support: 8.50 mm pitch, 1.60 mm wire



Rod at the chain: 7.00 mm (0.276 in)



Guide roller: 16.00 mm (0.630 in)

JBL Mesh Belt engineering articles, 2026, Australia 2023

Send a section with the chain → page 13

SAMPLE READINGS Chain and mesh read on the sample

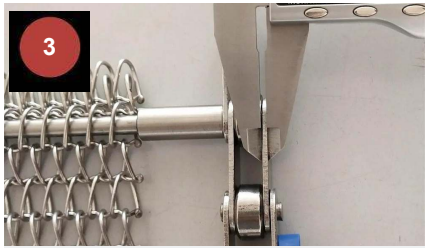
The dimensions that decide fit on the sprockets and guides.



Chain pitch: 31.75 mm (1.250 in)



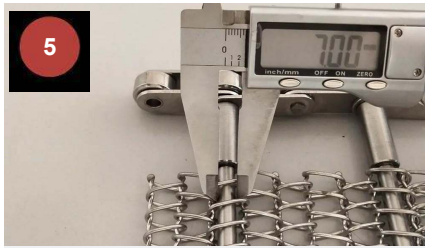
Chain roller: 19.05 mm (0.750 in)



Chain plate: 2.00 mm (0.079 in)



Guide roller: 16.00 mm (0.630 in)



Rod: 7.00 mm (0.276 in)



Mesh pitch: 8.50 mm (0.335 in)



Chain detail: 15.00 mm (0.591 in)



Cotter-pin edge

Australia 2023

See: Sprocket Matching

A trial chain before the belt

Plates, rollers and guide rollers checked against the sample.



Trial chain, side view



Trial guide roller: 16.00 mm (0.630 in)



Trial chain plates and pins, close up

Australia 2023

Send details → page 13

Sample against the new belt

Readings from the photos and the shipping specification.



Sample chain plate: 2.00 mm (0.079 in)



Bulk chain plate: 2.00 mm (0.079 in)

	Sample	New belt
Chain pitch	**31.75**	**31.75**
Chain roller	**19.05**	**19.05 (spec)**
Chain plate	**2.00**	**2.00**
Rod	**7.00**	**7.00**
Mesh pitch	**8.50**	**8.50**

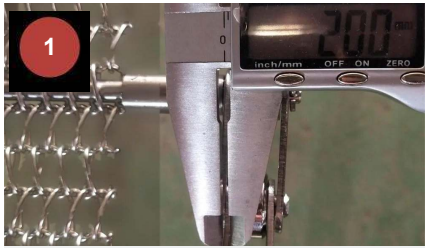
Values in mm. 31.75 mm = 1¼ in; 19.05 mm = ¾ in.

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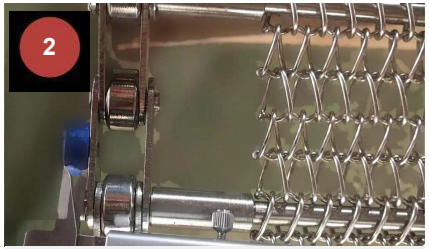
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Bulk belt read before packing

Read with the same caliper as the sample.



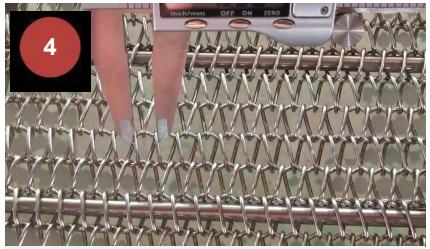
Chain plate: 2.00 mm (0.079 in)



Rod at the chain: 7.00 mm (0.276 in)



Rod: 7.00 mm (0.276 in)



Mesh pitch: 8.50 mm (0.335 in)



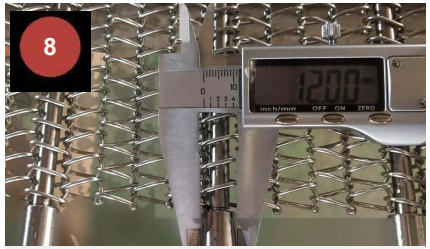
Wire: 1.60 mm (0.063 in)



Edge wire: 1.60 mm (0.063 in)



Chain detail: 15.00 mm (0.591 in)



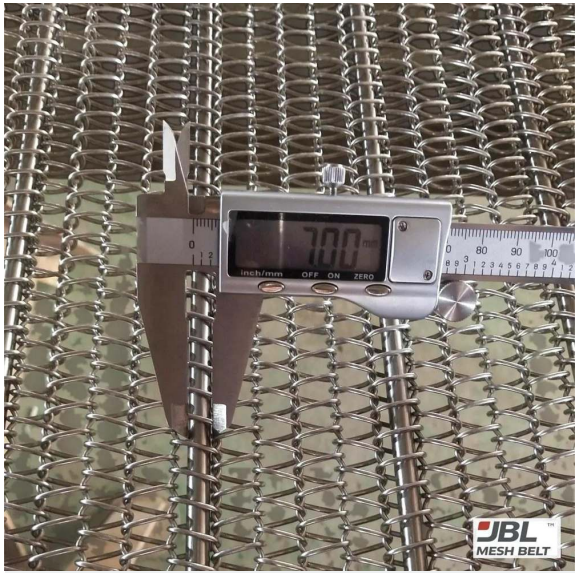
Detail: 12.00 mm (0.472 in)

Australia 2023

See: Pre-Shipment Checks

SUS316 mesh and rods, SUS304 chain

Chosen for steam and cleaning, confirmed by the QA report.



SUS316 rod on the bulk belt



SUS316 mesh wire



SUS304 chain with guide rollers

Australia 2023

See: Material & Food-Contact Documents

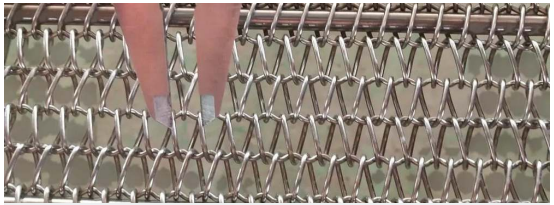
Mesh, rods and chain do not have to share one grade

Steam with acid and alkaline cleaning set the grades; each part's grade went on the drawing.



Bulk belt: SUS316 wire at the edge, 1.60 mm (0.063 in)

Mesh and rods	SUS316: wet, chemical conditions
Chain	SUS304, per the QA report
Why separate	Each part is specified for where it runs
On the drawing	The grade of each part, approved knowingly
Send	Line type, temperature and the cleaning agents



Mesh pitch: 8.50 mm (0.335 in)



Rod read on the sample: 7.00 mm (0.276 in)

JBL Mesh Belt engineering articles, 2026, Australia 2023

See: Material & Food-Contact Documents

About 33 m, crated and shipped by air

Unrolled for checking, coiled with the chain edge, crated.



Finished belt unrolled for checking



Coiled belt, chain edge and guide rollers



Chain edge with cotter pins and guide rollers

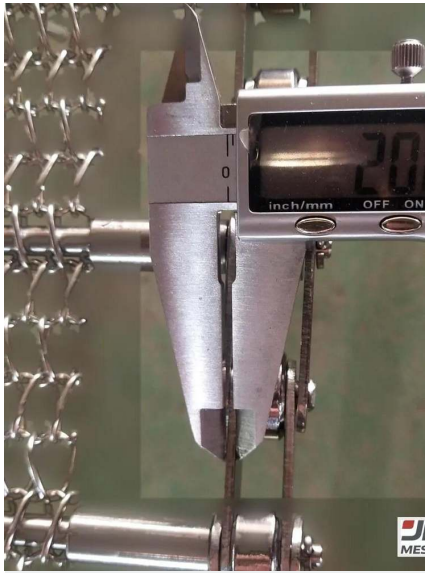
Australia 2023

See: Shipping & Thursday Tracking

Photos and readings came before shipment.



Trial chain photos



Readings on the bulk belt



Finished belt unrolled



Coiled and ready to crate

Australia 2023

See: Payment & Payment Safety

Chain-driven belt? Send these

Six items to start a chain-driven belt review.



1 Belt and chain photos, or a sample



2 Chain pitch and roller readings



3 Guide rollers or attachments



4 Mesh pitch, rod and wire



5 Sprocket details



6 Line: temperature, steam, cleaning

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 2023, Australia 2023–2024

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 and chain photos, or a sample.

We read the chain and the mesh with you before the quotation.

RELATED BOOKS

- Chain-Driven Belt Buyer's Guide
- Sprocket Matching
- Edge Styles
- Material & Food-Contact Documents

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