JBL MESH BELT

ENGINEERED · MATCHED · DELIVERED

Engineering-Controlled Metal Conveyor Belt Partner

BUYER'S GUIDE · CHAIN-DRIVEN BELT

Chain-Driven Belt: The Buyer's Guide

On a chain-driven belt, chain, sprockets, drive and mesh are checked as one system. What to check before you buy.

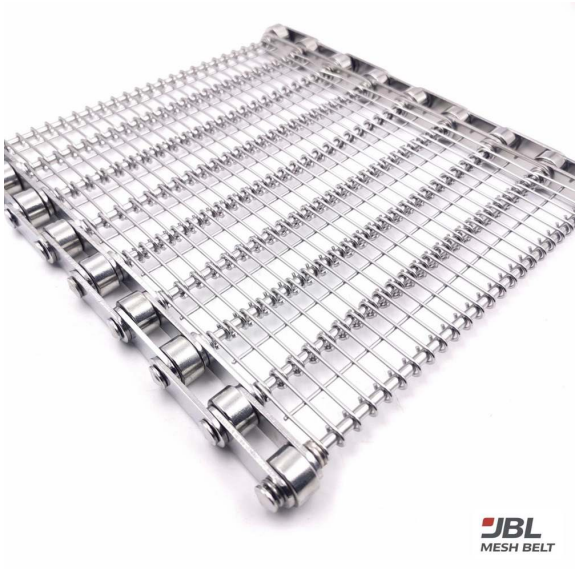
Spring Liu · Sales Director · 16 years in metal conveyor belts



JBL MESH BELT

Which part of this guide is for you?

Three kinds of buyer, three different starting points.



Equipment builders: chain, sprockets and frame on your drawing → page 5



Replacing a belt: a sample of the belt and chain → page 7



Food and industrial lines: steam, frying, drying → page 10

Approved product photos, Australia 2023

Send photos or a sample → page 17

Is it a chain-driven belt? Match the type that is installed

How the belt is pulled decides what has to be read on it.



Steam oven: side chain with guide rollers

Chain-driven belt	Pulled by side chains: read chain pitch, roller, plate, guide rollers
Z-type ladder belt	On sprockets or drums: read wire, ten pitches, spaces, edge loop
Eye link belt	On sprockets: read link pitch, rod, link shape, edge
Why chains	The chains pull; the mesh between is chosen for the product
On a replacement	Match the type installed; a change is a machine question



Ladder belt: ten pitches read



Eye link belt with a roller-chain edge

JBL Mesh Belt engineering articles, 2026, Australia 2023, Libya 2025, Spain 2026

Send photos or a sample → page 17

Where a chain-driven belt has to match

Chain, sprockets, drive and mesh are checked together.



Chain pitch and rollers



Guide rollers and attachments



Mesh pitch, rod and wire



Sprockets on the chain or belt

Australia 2023, Australia 2023–2024

See: Sprocket Matching

Five checks before a chain-driven belt is quoted

If one is missing, it is not guessed.



Sample chain edge with cotter pins

Chain	Pitch, roller, plate, pin; standard or custom
Attachments	Guide rollers, cotter pins, plate height per drawing
Mesh	Pitch, rod, wire, width
Drive	Sprocket teeth, bore, keyway; drive arrangement
Line conditions	Temperature, steam, oil, cleaning agents



Roller: 19.05 mm (0.750 in)

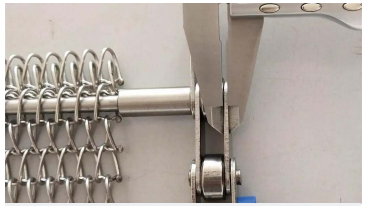


Plate: 2.00 mm (0.079 in)



Rod: 7.00 mm (0.276 in)

Australia 2023

See: What to Send for a Quote

On a chain-driven belt the chain is half the belt

Each chain reading decides a fit. Inch values are kept exactly, not rounded.

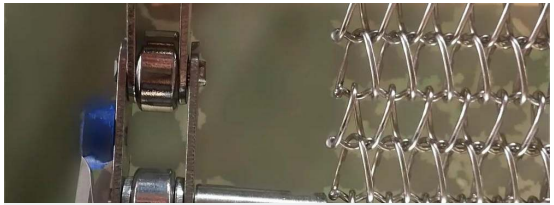


Sample: chain edge, end view

Chain pitch	Sprocket and guide fit; 31.75 mm = 1¼ in
Chain roller	Seat in the sprocket; 19.05 mm = ¾ in
Chain plate	Thickness against guides: 2.00 mm (0.079 in)
Guide rollers, attachments	Often custom; copied, not chosen: 16.00 mm (0.630 in)
Rod and sleeves at the chain	How rods, sleeves and chain fit: send a section



Chain plate: 2.00 mm (0.079 in)



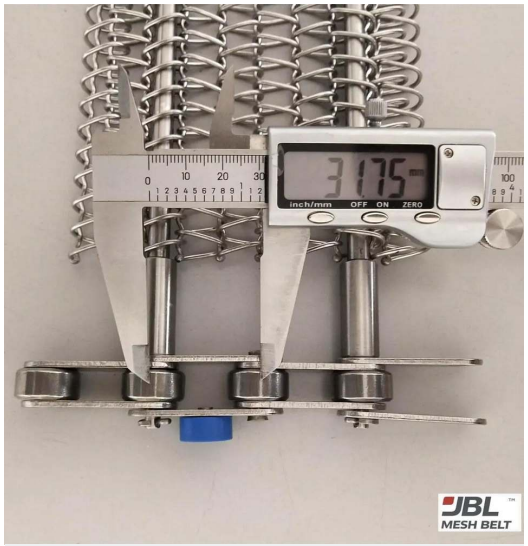
Rod at the chain: 7.00 mm (0.276 in)

JBL Mesh Belt engineering articles, 2026, Australia 2023, steam oven

Send a section with the chain → page 17

Australia: sample against the new belt

Steam oven, about 33 m: copied from a belt and chain sample.



Sample chain pitch: 31.75 mm (1.250 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.

Australia 2023

See: Chain-Driven Belt Project Case

Australia: the custom chain was trialled first

A trial chain was checked against the sample.



Trial chain, side view



Trial guide roller: 16.00 mm (0.630 in)



Roller and guide roller, close up

Australia 2023

Send details → page 17

Inch sizes inside metric readings

31.75 mm reads as 1¼ in; 19.05 mm reads as ¾ in.



31.75 mm = 1¼ in chain pitch



19.05 mm = ¾ in roller



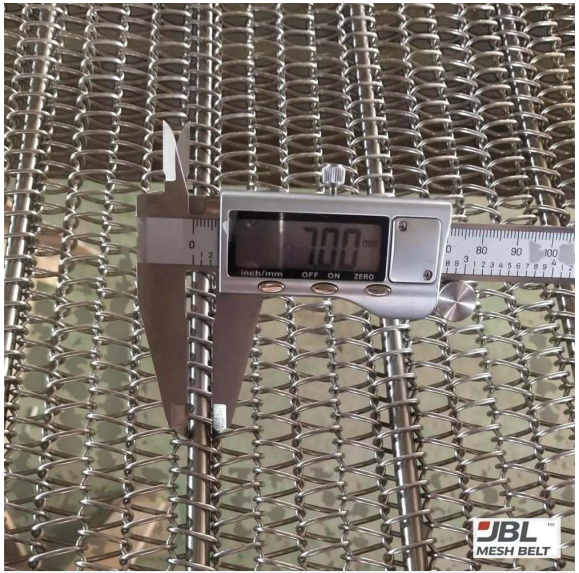
25.40 mm = 1 in sprocket tooth pitch (USA)

Australia 2023, USA 2024

See: Sprocket Matching

Material set by the line conditions

Steam oven: SUS316 mesh and rods, SUS304 chain (QA report).



SUS316 rod on the bulk belt



SUS316 mesh wire: 1.60 mm (0.063 in)



SUS304 chain with guide rollers

Australia 2023

See: Material & Food-Contact Documents

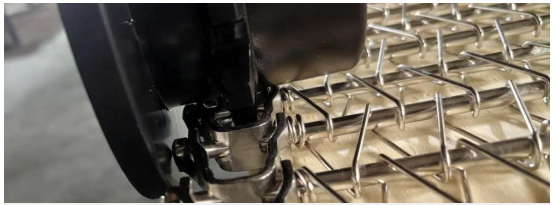
Sprockets wear with the chain

A new chain on worn teeth can ride up, jump or wear fast. Read the teeth before the order.



Worn sprocket teeth, read before a new set

Stretched chain	Longer pitch: rollers ride higher on the teeth
Hooked or thinned teeth	A new chain jumps or wears fast
Keep old sprockets?	Only after the teeth are read against the new chain
New sprockets	Matched to chain pitch, roller, bore and keyway
Send	Teeth photo, bore, keyway and hub, with a caliper



New sprocket on the belt



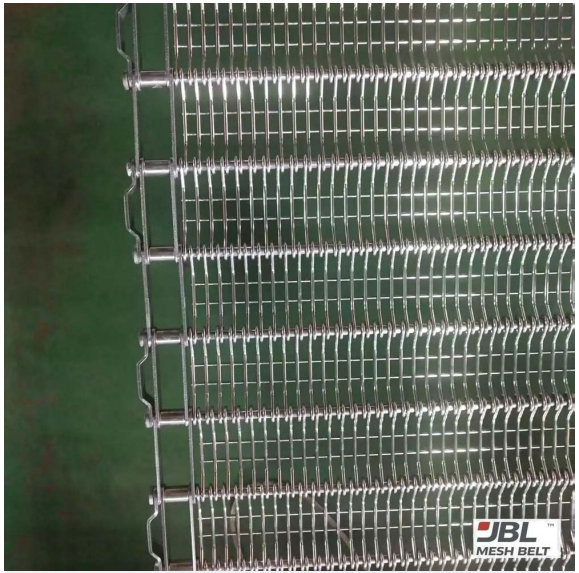
Bore read on the old sprocket

JBL Mesh Belt engineering articles, 2026, waffle cooling spiral 2026, Projects: Waffle cooling spiral 2026

See: Sprocket Matching

A chain-type edge on another belt

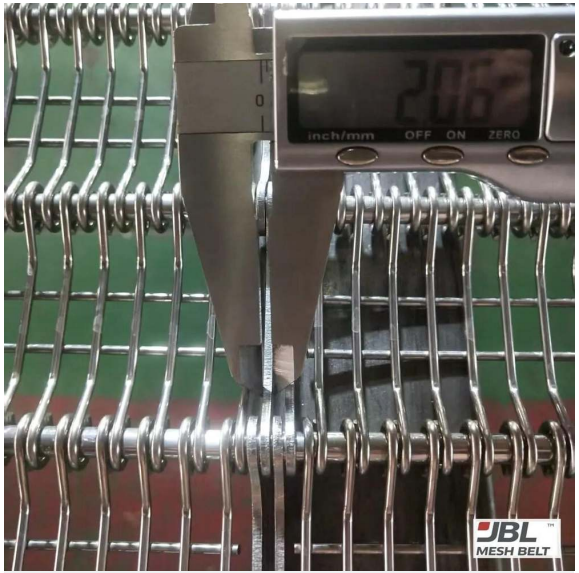
Eye Link Belt, Spain: 50 mm pitch roller-chain edge.



Eye Link Belt: roller-chain edge



Roller: 10.02 mm (0.394 in)



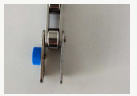
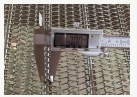
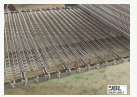
Chain plate: 2.06 mm (0.081 in)

Spain 2026

See: Eye Link Belt Project Case

What to ask any chain-driven belt supplier

Five questions for any supplier.

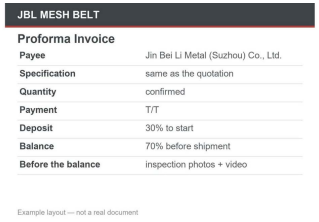
Ask	A good answer	In this book
Do you read the chain too?	Pitch, roller, plate, pin and attachments	 Page 6
Custom chain?	On the Australian project, a trial chain came first	 Page 8
Which steel where?	Set per part by the line conditions	 Page 10
Sprockets with the belt?	Read and run on the belt when supplied	 Sprocket Matching
What do I see before shipment?	Readings and photos of the bulk belt	 Pre-Shipment Checks

Projects: Australia 2023, Australia 2023–2024

See: How an Order Runs

What you receive after you order

From the order confirmation until the goods are collected.

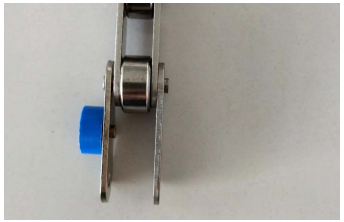


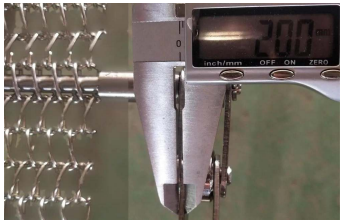
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Proforma Invoice

Payee	Jin Bei Li Metal (Suzhou) Co., Ltd.
Specification	same as the quotation
Quantity	confirmed
Payment	T/T
Deposit	30% to start
Balance	70% before shipment
Before the balance	inspection photos + video

Example layout — not a real document









1 Order

PI and the confirmed specification

2 Production

Every Thursday, you receive a progress update on your order

3 Before shipment

Readings, photos and video before the crates close

4 Packing

Packing confirmed by project

5 Transit

Thursday freight status; Shipping, Arrival and Pick-up Notices; customs documents

Courier, air or sea freight is chosen with you; lead time is confirmed in writing in each quotation. The Australia steam oven belt went by air.

Terms confirmed by JBL Mesh Belt, 2026, photos: Australia 2023

See: Shipping & Thursday Tracking

Questions about chain-driven belts

Short answers on chain-driven belts, with the evidence pages.



Copy from a sample?

Yes. On the Australian project, a trial chain came first.



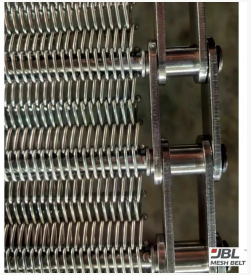
Standard or custom chain?

Readings show whether the chain is standard or custom, confirmed by project.



Plate height?

Taken from your drawing or sample, not a fixed value.



Which material?

Per part, by line conditions; SUS316 / 304 on the steam oven.

Projects: Australia 2023

Send photos or a sample → page 17

Working with JBL Mesh Belt

Who you work with, and how each project runs.



Spring Liu

Sales Director · 16 years in metal conveyor belts

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JBL Mesh Belt is a brand of Jin Bei Li Metal (Suzhou) Co., Ltd. — Suzhou, China, since 2015.

1. Drawing or old belt reviewed before quoting
2. Sample or trial section confirmed before production
3. Readings and photos until delivery



Reviewed: the sample belt and chain



Confirmed: trial chain



Reported: bulk belt photos

Projects: Australia 2023

Send details → page 17

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, roller, plate readings



3 Guide rollers or attachments



4 Mesh pitch, rod, wire, width



5 Sprocket teeth, bore, keyway



6 Line: temperature, steam or oil, 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 review chain, mesh and drive with you before the quotation.

RELATED BOOKS

- Chain-Driven Belt — Project Case
- Sprocket Matching
- Edge Styles

GET IN TOUCH

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