QUALITY CONTROL & SHIPMENT RELEASE

Compound Weave Belt

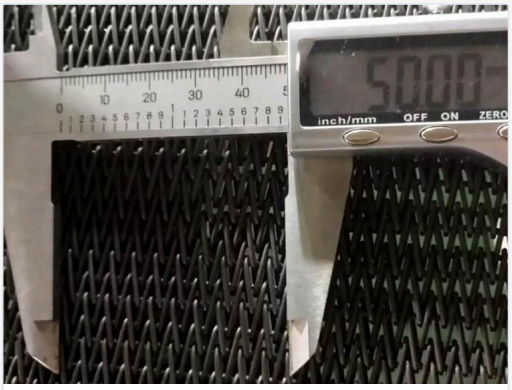
What is checked before your belt ships, the problems each check prevents, and how the belt is packed.
Photos and readings come from real projects; checks are confirmed per project.

www.jblmeshbelts.com · info@jblmeshbelt.com · WhatsApp +86 138 1487 2506 · Issued 2026-10-06

PROJECT QC GATES

04 How Is a Compound Weave Belt Verified Before Shipment?

Four checks that matter to you: pitch over 10 spirals, wire sizes, overall width at several points, and every edge weld. You see the readings before it ships.



01

Pitch over 10 spirals

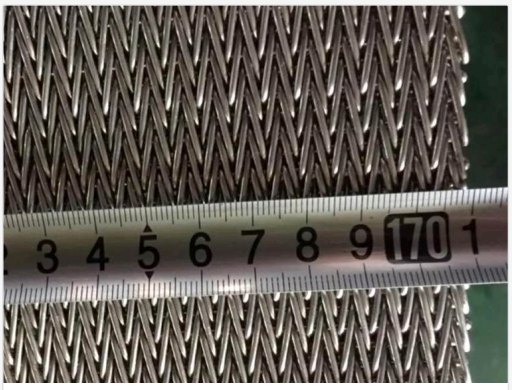
Spiral pitch measured over 10 pitches, not one — small errors add up along a dense weave.



02

Wire sizes measured

Spiral and rod wire diameters measured with a caliper against the drawing.



03



04

Overall width at several points

Overall width measured with a tape at several points along the belt so it tracks.

Every edge weld checked

Edge welds checked for full coverage and even, consistent detail along the roll.

Also checked: spirals measured before weaving (wire, spiral thickness, pitch) · flat wire checked even · a complete first article before bulk.



Spiral wire Ø 1.50 mm



Spiral thickness 7.83 mm



Spiral pitch 5.59 mm

Spirals checked before they are woven

In a compound weave, several spirals nest on each rod — one spiral off size and the whole row is off. Wire, spiral thickness and pitch are measured with a caliper before weaving.

ENGINEERING EXPERIENCE

05 Problems You May See With a Compound Weave Belt — and How They Are Prevented

The wrong rod arrangement, mixed-up pitches, width taken at the wrong point or a drive that was assumed means a belt that does not fit. Each one is checked before your belt is made.

PROBLEM

Rod arrangement judged from a photo

Compound belts differ in how many spirals sit on each rod. A photo without a count across the spirals can match the wrong arrangement.

✓ **Rod arrangement confirmed on your sample or drawing before quoting.**

PROBLEM

Spiral pitch and rod pitch mixed up

Both are 6–20 mm and easy to confuse; a belt built on the wrong one will not match your old belt or your sprockets.

✓ **Both pitches measured over 10 pitches and named on the drawing.**

PROBLEM

Width measured at the wrong point

Mesh width, overall width and width over side guards are different numbers. The wrong one leaves the belt rubbing or loose.

PROBLEM

Drive fit assumed

A dense compound structure does not seat on every sprocket. Assuming the drive fits means a belt that slips or climbs.

✓ **Drive method and sprocket compatibility confirmed for each**

✓ **Width measurement points confirmed; overall width measured at several points.**

configuration.

06 SHIPMENT RECORDS

What Arrives at Your Plant

Your belt arrives rolled and wrapped in a lined export crate, with a packing list on the rolls. Real shipments; order details hidden.



Rolled, edges checked

Welded edges checked along each roll.



Packing list on the rolls

Specification and quantity for checking on arrival.



Export crates

Wooden crates, strapped and labelled.



Ready to ship

Crate closed after the final check.

Send a drawing, an old belt section or photos with a caliper in the picture.

An engineer replies with what fits, what is missing and the next step — usually within 8 hours.

info@jblmeshbelt.com · WhatsApp +86 138 1487 2506 · www.jblmeshbelts.com

JBL Mesh Belt — Jin Bei Li Metal (Suzhou) Co., Ltd. Reference document; project values are confirmed in writing before production.