QUALITY CONTROL & SHIPMENT RELEASE

Sprockets

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 Sprocket Verified Before Shipment?

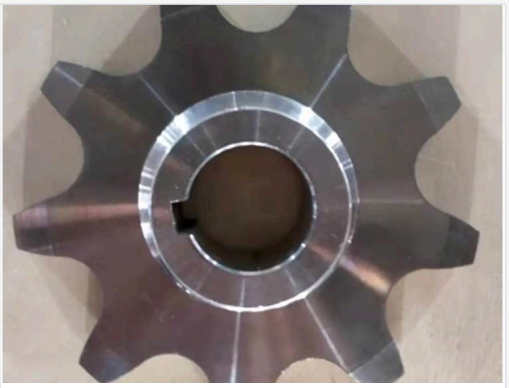
Four checks that matter to you: bore and keyway, polished steel teeth, clean plastic sprockets, and a run with the belt. You see photos and video before it ships.



01

Bore and keyway measured

Bore, keyway and thickness measured with a caliper against the drawing.



02

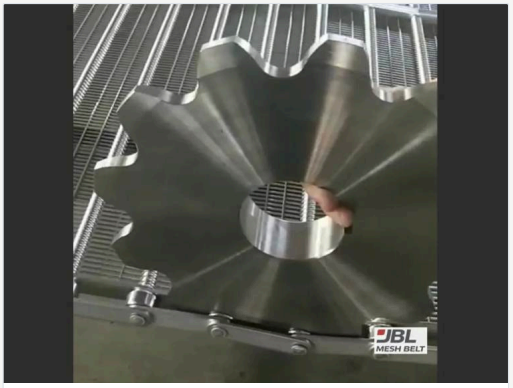
Steel teeth polished

SUS304 teeth hobbed to a full profile and polished, so they leave no black marks on the belt.



03

Plastic sprockets clean



04

Run with the belt

UHMWPE sprockets checked free of scratches and black marks, with no excess burrs on teeth or holes.

When the belt is supplied too, the sprocket is run with it to check every tooth engages.

Also checked: tooth count and profile against the drawing · set screw and locating holes · each sprocket wrapped on its own.



Side-driven belt on UHMWPE sprockets



Eye link belt on steel sprockets



Balanced weave belt seating on the teeth

ENGINEERING EXPERIENCE

05 Problems You May See With Sprockets — and How They Are Prevented

A pitch that does not match, marks on the belt, a bore that does not fit or a sprocket damaged in transit means a stopped line. Each one has a check before your sprockets ship.

PROBLEM

Sprocket pitch does not match the belt

The belt rides over the teeth instead of seating in them — it slips or climbs the sprocket.

✓ **Belt or chain pitch confirmed at quotation; sprocket run with the belt when both are supplied.**

PROBLEM

Black marks from steel teeth

Rough steel tooth faces leave black marks on the belt and product.

✓ **SUS304 tooth faces polished before packing.**

PROBLEM

Scratched or dirty plastic sprockets

Scratches, black dirt or heavy burrs on UHMWPE sprockets mark the belt and look wrong on a food line.

PROBLEM

Quoted from a photo only

A sprocket can look right and still have the wrong pitch or tooth profile for your belt.

✓ **No quote until the pitch of the belt or chain it drives is known.**

✓ **Every plastic sprocket checked clean, with burrs removed from teeth and holes.**

PROBLEM

Bore or keyway does not fit the shaft

A bore or keyway that is too tight, too loose or the wrong shape stops installation.

✓ **Bore, fit, keyway and set screws confirmed on the drawing and measured before shipment.**

PROBLEM

Damaged in transit

Loose sprockets knock and rub against each other in the crate.

✓ **Each sprocket wrapped on its own in stretch film and bubble wrap.**

SHIPMENT RECORDS

06 What Arrives at Your Plant

Your sprockets arrive wrapped one by one, packed with the belt or on their own, with a packing list. Real shipments; order details hidden.



Sprockets packed

Each one wrapped so they do not knock.



With the belt

Sprockets and belt in the same crate.



Belt and sprockets together

Matched set, packed together.



Accessories listed

Wear strips and rods on the packing list.

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.