



MANUFACTURING CASE STUDIES

TRAPEZOIDAL MESH BELT

Three projects, showing why
width, pitch and wire all matter

PROVEN · STABLE · VERIFIED



What we check before shipment

1–2: quality reference examples. 3–9: project inspection records.



1

Clean and dry

Inspect for moisture and residue before packing.



2

Temporary tags

Remove temporary production tags from the belt before packing.



3

Edge configuration

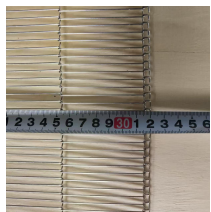
Confirm the required edge form in the approved drawing.



4

Wire pitch

Measure the specified pitch for each configuration.



5

Overall width

Record the width using the agreed reference.



6

Wire diameter

Check wire diameter separately from pitch.



7

Spaces across width

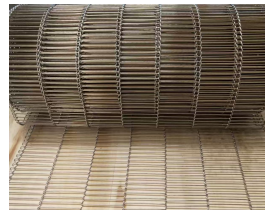
Compare the space count and layout with the drawing.



8

Variant separation

Match each belt variant to its own specification.



9

Finished configuration

Review the finished geometry before packing.

Reference examples show inspection topics, not defects attributed to the projects in this book.

Five questions answered by actual order records

3 projects, shown through drawings and manufacturing photographs.

Buyer question	What this casebook shows	Pages
Can equal widths have different constructions?	Two 1,016 mm belts with different pitch and wire.	5–6
How is a narrow belt documented?	A 320 mm configuration and measured checks.	7–8
Can several variants be made in one project?	Five drawings for five identified configurations.	9
How are similar variants distinguished?	Different wire and pitch at the same width.	10–11
What inputs are needed?	Width, pitch, wire, spaces, edges and drive information.	12–13

Quality checks: page 2. Our manufacturing process: page 4. Project records follow.

From drawing review to inspection and packing

Our order controls. The following cases show the available project records.

#	Stage	What we do	What you receive or approve
1	Project review	Review drawings, application and equipment interfaces.	Questions to confirm
2	Specification	Confirm dimensions, material and supply scope.	Agreed specification
3	Drawing approval	Use the approved drawing revision for manufacture.	Your drawing approval
4	Trial and first article	Trial production, then first-article confirmation.	First-article records
5	Production	Manufacture to the approved drawing and first article.	Production records
6	Final inspection	100% final inspection before packaging.	Agreed inspection records
7	Inner protection	Apply protection appropriate to the material and order.	Packing requirements
8	Outer packing	Check the package, identification and dispatch documents.	Packing and dispatch records

For formal replacement: physical old belt, available drawings and equipment details, followed by remeasurement and structural review.

Two 1,016 mm belts with different constructions

The buyer's check: overall width does not identify the complete belt.

What we made The project has two drawings at 1,016 mm overall width. One specifies 7.26 mm wire pitch and 1.6 mm wire; the other specifies 9.6 mm pitch and 2 mm wire.



Manufactured belt corresponding to the first configuration



The second configuration in the same order

How you can check: confirm pitch, wire diameter, spaces and edge geometry as well as width.

The two pitch values are checked separately

The buyer's check: similar-looking belts may engage the drive differently.

What we checked The shipment photographs record the 7.26 mm and 9.6 mm wire pitches specified by the two drawings.



Wire-pitch check for the 7.26 mm variant



Wire-pitch check for the 9.6 mm variant

How you can check: keep each inspection photograph linked to its specific variant.

A 320 mm belt with five spaces across the width

The buyer's check: a narrow replacement still needs a complete structural description.

What we made The drawing specifies a SUS304 belt, 320 mm overall width, five spaces and a single-loop edge. The photo record shows the finished belt and width check.



Finished belt before packing



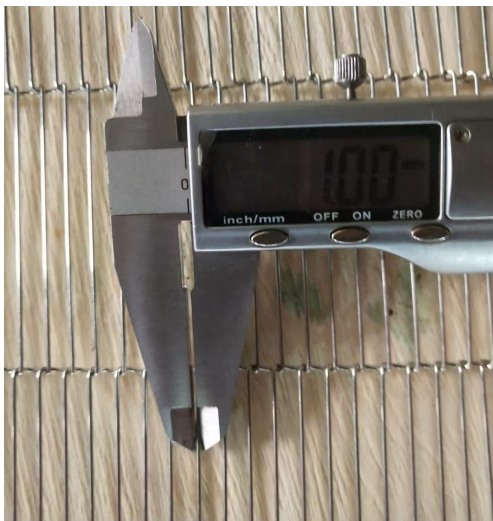
Overall-width measurement

How you can check: send the old belt or a drawing that shows the spaces and edge construction.

Fine wire and pitch receive separate measurements

The buyer's check: wire diameter and pitch are not interchangeable values.

What we checked The same drawing specifies 1 mm wire and 6 mm pitch. Both dimensions appear in the shipment inspection photographs.



Wire-diameter measurement



Wire-pitch measurement

How you can check: check both values against the drawing and the equipment drive.

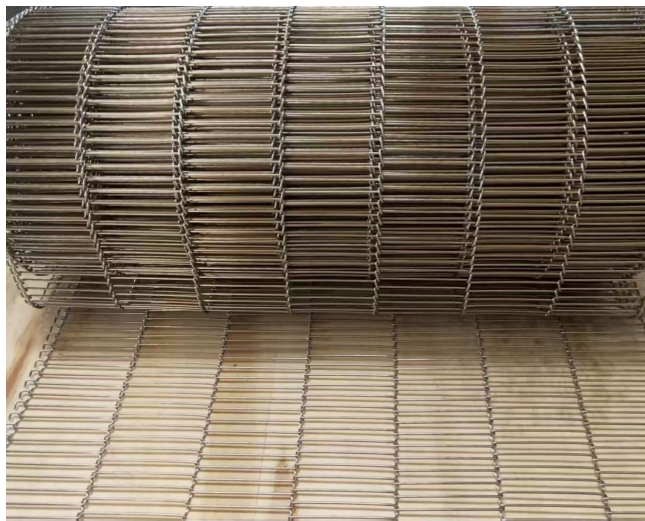
Five configurations controlled within one project

The buyer's check: a multi-belt order needs more than a shared product name.

What we made Five drawings identify widths of 686, 660, 660, 642 and 623 mm. The two 660 mm belts differ in pitch, wire diameter and space count. The project photographs document the individual configurations.



One manufactured variant in the five-configuration order



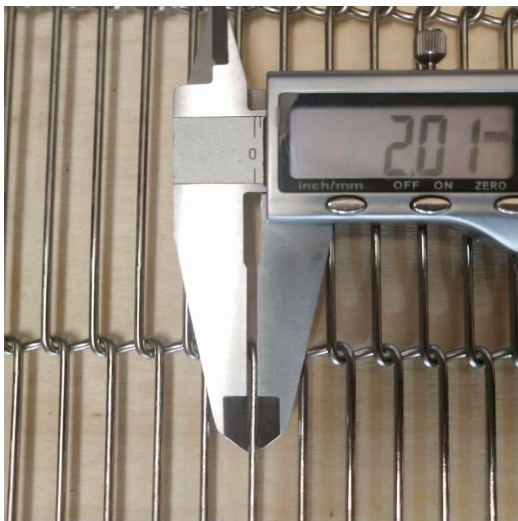
Another variant in the same project

How you can check: give every variant its own drawing reference and inspection record.

The two 660 mm variants use different wire diameters

The buyer's check: equal width does not mean two belts can be interchanged.

What we checked The two 660 mm drawings specify 2 mm wire with 9.6 mm pitch, and 2.35 mm wire with 12.7 mm pitch. The photographs record the two wire measurements.



Wire measurement for the 2 mm configuration



Wire measurement for the 2.35 mm configuration

How you can check: verify wire, pitch, space count and edge details before treating variants as equivalent.

Narrower variants also retain their own checks

The buyer's check: one inspection image cannot stand in for a complete multi-variant order.

What we recorded The project also specifies 642 mm and 623 mm belts with 1.6 mm wire and 7.26 mm pitch. Their width checks remain identifiable in the shipment photo set.



Width measurement for the 642 mm variant



Width measurement for the 623 mm variant

How you can check: review the full list of variants before authorising dispatch.

The records your team can review before ordering

Different decision-makers need different evidence from the same project.

Review role	What to confirm for your order	Next step
Your maintenance team	Confirm width, belt geometry and existing equipment.	Drawing review
Your equipment designer	Review the belt and its drive interface together.	Interface review
Your quality team	Agree inspection points, tolerances and required material documents.	Evidence agreed
Your purchasing team	Confirm variants, lengths and delivery requirements per order.	Order review
Your distributor or service team	Link every photo and drawing to the correct belt variant.	Clear handover

Next step: send drawings and equipment details. Photos support preliminary review.



PROVEN · STABLE · VERIFIED

Metal Conveyor Belt Manufacturer

for OEMs & Professional Distributors

Email: info@yiyimeshbelt.com

Phone / WhatsApp: +86 134 5177 3742

Website: www.yiyimeshbelt.com
www.yiyimeshbelts.com

Company: Ningjin Yiyi Mesh Belt Co., Ltd.

Send your belt drawing for review

- Width, pitch and wire diameter
- Space count and edge geometry
- Drive and operating requirements
- Material and operating conditions
- Physical old belt for replacement

Request a Drawing Review

Photos support preliminary review. Formal replacement needs a physical old belt, available drawings and equipment details, then remeasurement and structural review.