

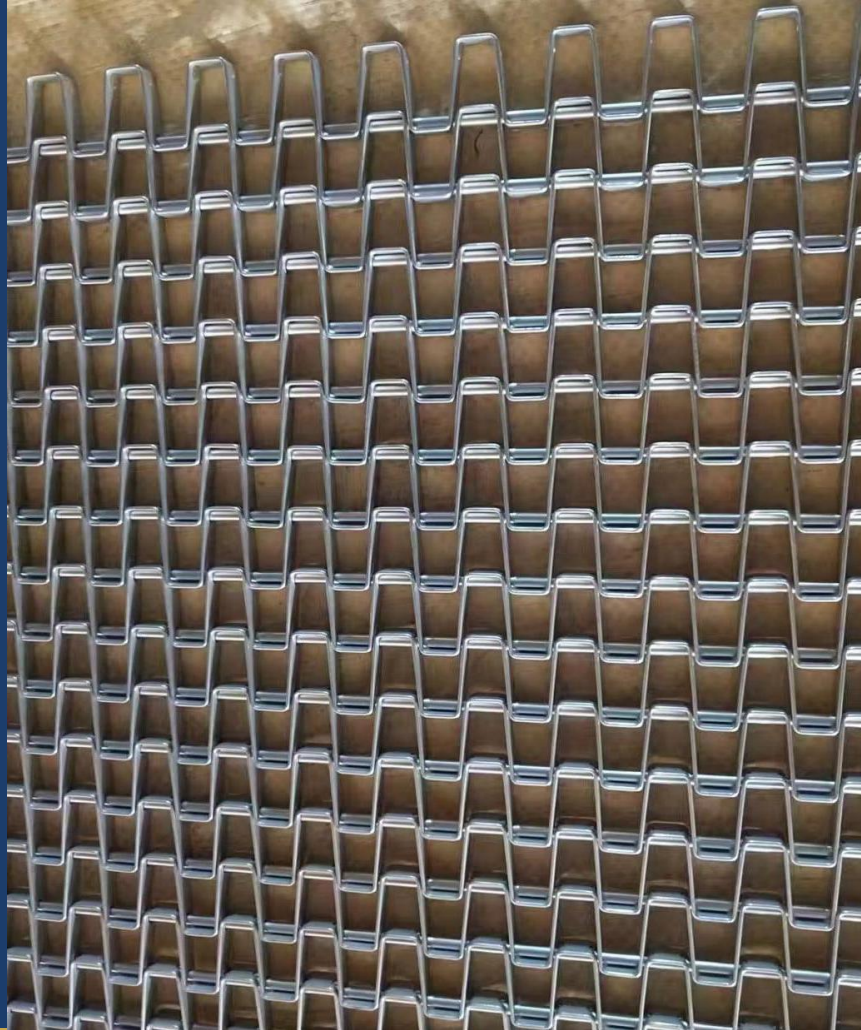


MANUFACTURING CASE STUDIES

FLAT WIRE / HONEYCOMB BELT

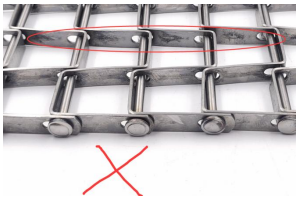
Three projects, from strip dimensions
to assembled belt checks

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What we check before shipment

1–3: quality reference examples. 4–9: project inspection records.



1

Strip scratches

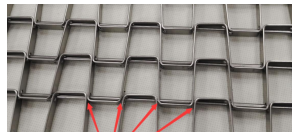
Review visible scratches. Rework or replace strips as the assessment requires.



2

Finish reference

Compare strip surfaces with the agreed finish and inspection criteria.



3

Junction gaps

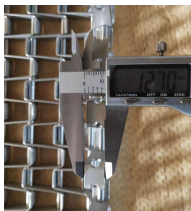
Measure the junction gap against project requirements. No universal limit applies.



4

Overall width

Keep separate width records for each variant.



5

Strip height

Verify strip height against the current drawing.



6

Rod pitch

Check rod pitch independently of strip height.



7

Edge retention

Review the rods and edge connection before wrapping.



8

First article

Record dimensions at the first-article stage.



9

Before dispatch

Repeat the agreed checks on the finished belt.

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
How are two belt widths controlled?	Separate width records within one manufacturing project.	5–6
Which strip and rod dimensions matter?	Measured close-ups tied to the project drawing.	7
Can I review first article and finished belt?	Photographs from both stages of a separate order.	8–9
Does another width use the same pitch?	A third project with its own rod-pitch specification.	10–11
What is needed for my order?	Width, strip, rod, edge and operating 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.

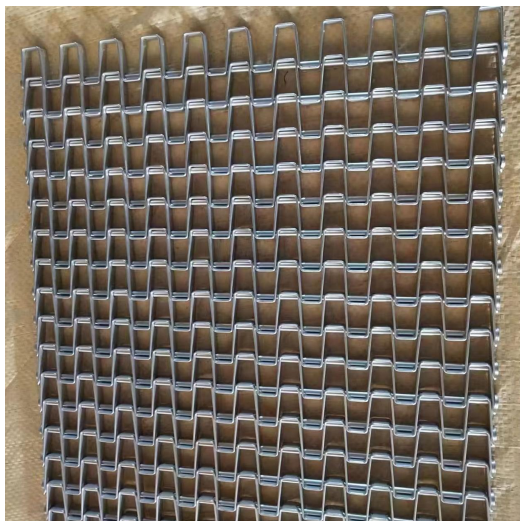
#	Stage	What we do	What you receive or approve
1	Project review	Review drawings, application and equipment interfaces.	Questions to confirm
2	Specification	Confirm dimensions, material and supply scope.	Agreed specification
3	Drawing approval	Use the approved drawing revision for manufacture.	Your drawing 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 widths manufactured under one project

The buyer's check: variant identification matters even when the construction is shared.

What we made The project drawings specify SUS304 belts with overall widths of 404 and 508 mm. The 404 mm variant is specified at 60 m. Both share a washer-welded edge construction.



Finished flat-wire belt structure



A second view of the project belt and edge

How you can check: compare the individual variant drawing with its own inspection record.

Each width has a corresponding measured photograph

The buyer's check: one width check cannot represent both variants.

What we checked The drawings separate the 404 mm and 508 mm overall widths. The photo set includes a ruler check of each manufactured width.



Overall-width check for the 404 mm variant



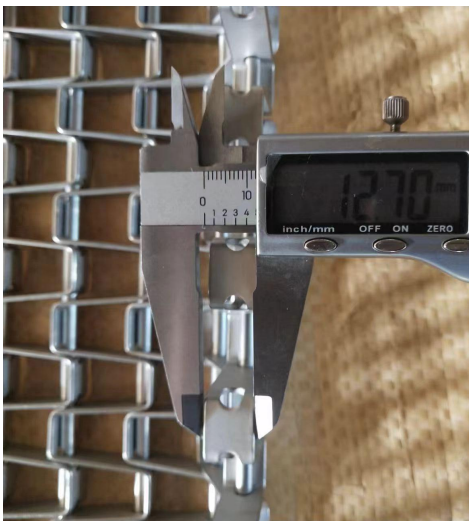
Overall-width check for the 508 mm variant

How you can check: specify overall width, opening count and the intended measurement reference.

Strip height and rod pitch are checked independently

The buyer's check: the grid appearance alone does not define belt geometry.

What we checked The drawings specify 12.7 mm strip height and 27.4 mm rod pitch. The close-ups record these two dimensions on the manufactured belt.



Strip-height measurement



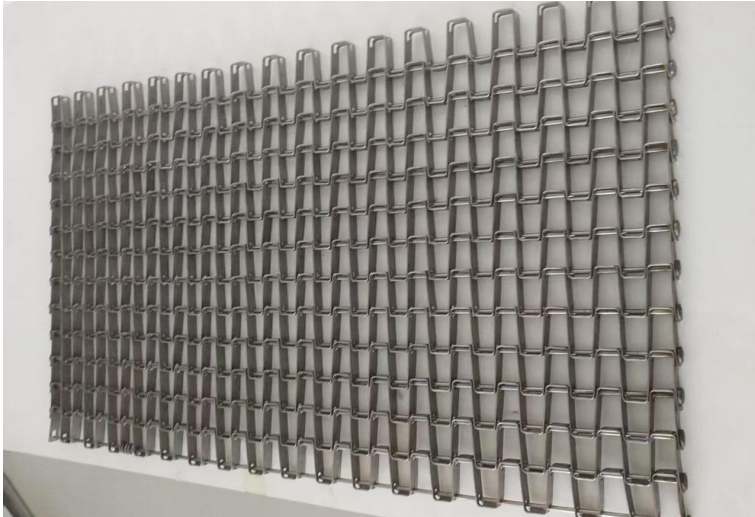
Rod-pitch measurement

How you can check: include strip thickness, strip height, rod diameter and rod pitch in the drawing review.

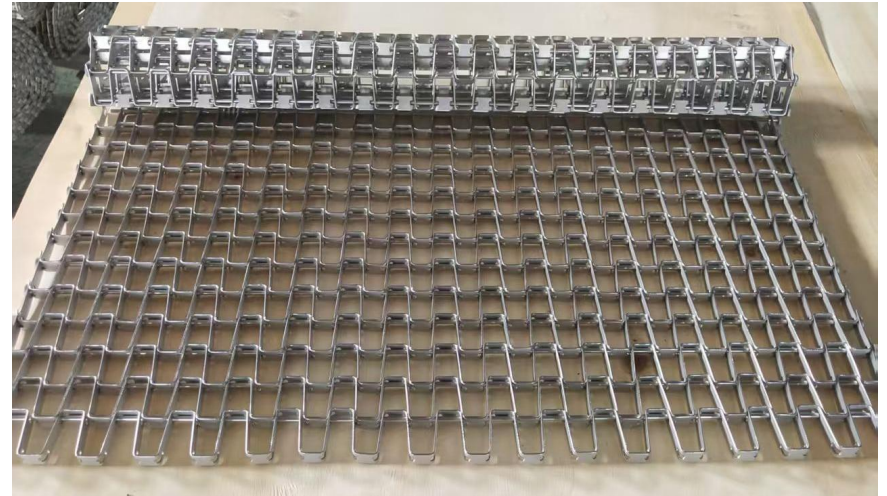
A 530 mm belt documented at two production stages

The buyer's check: the finished belt should remain identifiable against the first article.

What we recorded This separate order specifies a SUS304 belt with 530 mm overall width, 35 openings and washer-welded edges. Its records include first-article and finished-belt photographs.



First-article belt layout



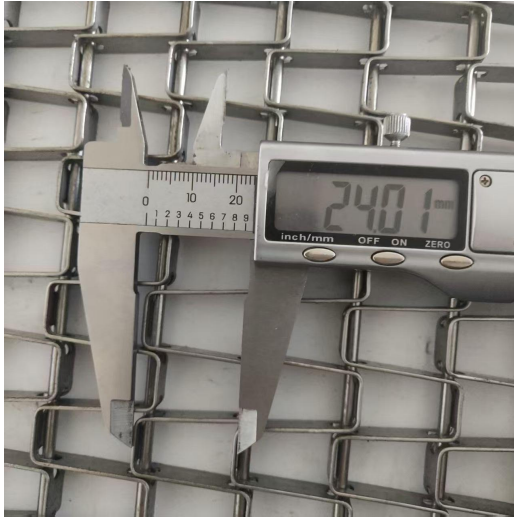
Finished belt in the shipment photo set

How you can check: review the same drawing and variant at first article and before dispatch.

The 24 mm rod pitch is recorded at both stages

The buyer's check: a repeated check should refer to the same structural feature.

What we checked The drawing specifies 24 mm rod pitch. The first-article and shipment photographs both record this dimension on the assembled belt.



Rod-pitch check in the first-article record



Rod-pitch check in the shipment record

How you can check: agree the inspection points and tolerances before production begins.

A 350 mm belt with its own strip and opening layout

The buyer's check: a narrower belt is not defined by width alone.

What we made This order specifies a SUS304 belt with 350 mm overall width, 23 openings, 1.2 mm strip thickness and 3 mm rods. The photo record shows the finished belt and width check.



Finished belt before packing



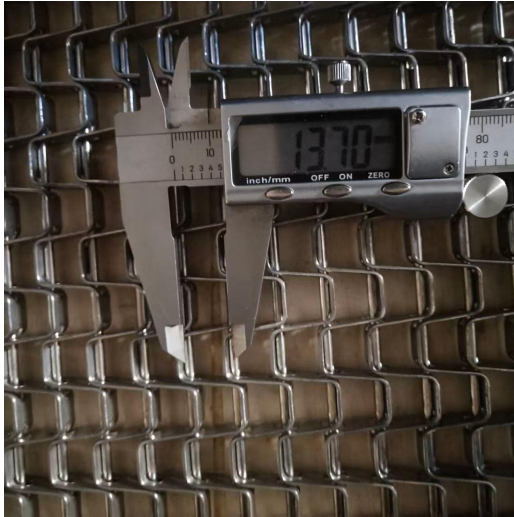
Overall-width measurement

How you can check: compare the full configuration with your existing belt, including edge treatment.

This order uses a different rod pitch

The buyer's check: pitch values from another project must not be copied automatically.

What we checked The 350 mm belt drawing specifies 13.7 mm rod pitch and 1.2 mm strip thickness. Its photographs record both dimensions.



13.7 mm rod-pitch check



Strip-thickness check

How you can check: send the actual belt drawing or sample so the dimensions can be reviewed for your order.

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.



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Send your belt drawing for review

- Overall width and opening layout
- Strip dimensions and rod pitch
- Edge retention and drive details
- 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.