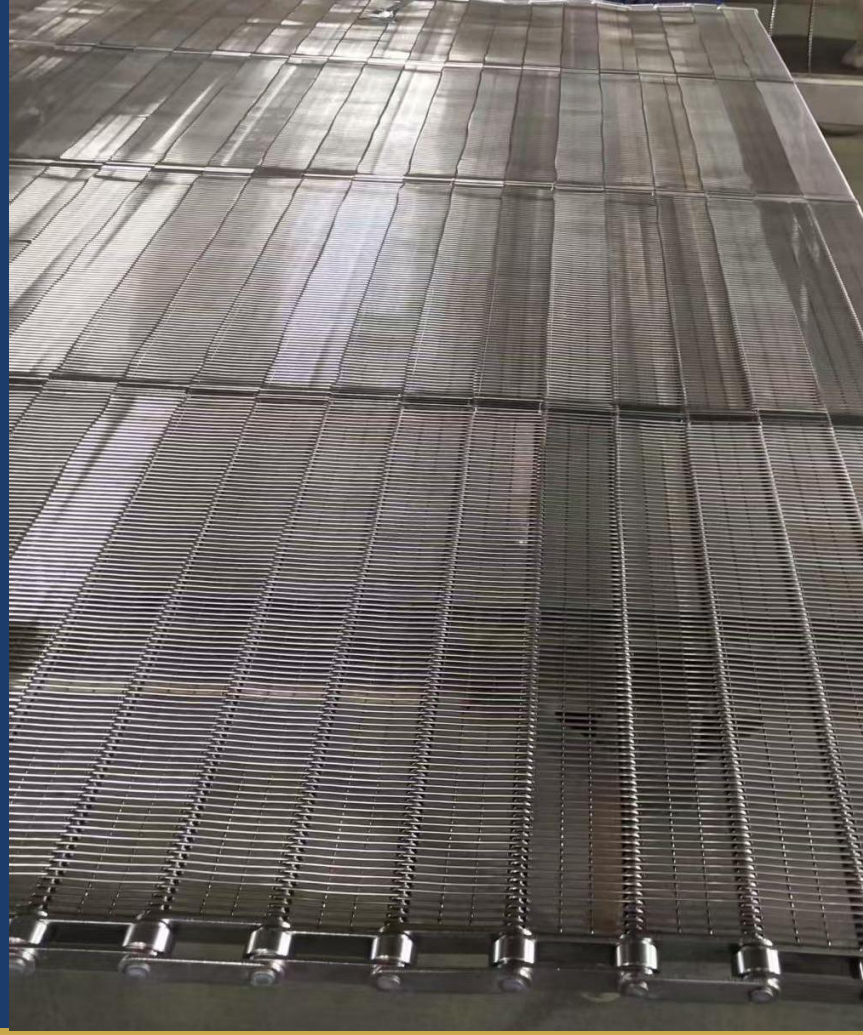
YIYI MESH BELT

MANUFACTURING CASE STUDIES

# EYE LINK BELT

Three projects, with structure, width and drive checks

**PROVEN · STABLE · VERIFIED**



# What we check before shipment

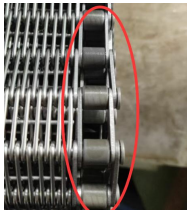
1–4: quality reference examples. 5–9: project inspection records.

## 1

**Surface residue**
Inspect the mesh and rod junctions. Clean and recheck residue.

## 2

**Wipe check**
A wipe can reveal residue. Reinspect after cleaning.



## 3

**Roller finish**
Replace rough rollers and recheck free rotation where rollers apply.

## 4

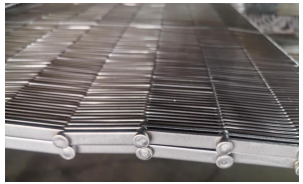
**Pitch method**
Use consistent reference points across ten pitches and compare the average.

## 5

**Width**
Confirm the drawing width and its measurement reference.

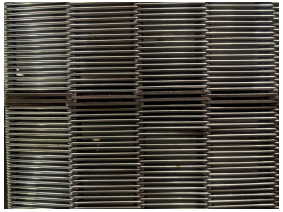
## 6

**Cross rods**
Measure rod diameter independently of the eye-link spacing.



## 7

**Rod ends**
Review washers and rod-end connections against the drawing.



## 8

**Reinforcement**
Compare the reinforcement arrangement with the agreed belt layout.

## 9

**Rod pitch**
Record the pitch for the specific chain-edge configuration.

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 is the link structure defined?** | A panel layout with its own reinforcement and rod checks. | 5–7 |
| **Can a chain edge be documented?** | Chain assembly, rod pitch and finished-belt photographs. | 8–9 |
| **How are two wide belts distinguished?** | Separate drawings and measured width records. | 10–11 |
| **Do similar belts share every dimension?** | Different rod pitches remain separate in one order. | 12 |
| **What should my team send?** | Drawings, operating details and the existing belt interface. | 13–14 |

**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.*

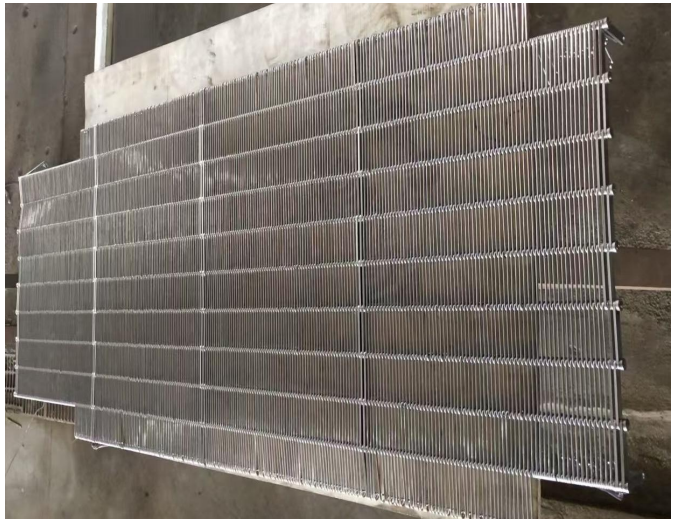
| # | Stage | What we do | What you receive or approve |
|---|---|---|---|
| 1 | Project review | Review drawings, application and equipment interfaces. | Questions to confirm |
| 2 | Specification | Confirm dimensions, material and supply scope. | Agreed specification |
| 3 | Drawing approval | Use 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.**

# A 1,100 mm belt with a defined reinforcement layout

*The buyer's check: the width alone does not define the internal support structure.*

**What we made** The project drawing specifies a SUS304 eye-link belt, four panels and five bar-link sets. The photographs show the assembled structure and its width measurement.



*Assembled eye-link belt from the first-article records*

*Width reference photographed on the first article*

**How you can check:** compare panel count and reinforcement positions with your equipment drawing.

# Link spacing and cross rods receive separate checks

*The buyer's check: open area and structural dimensions need their own references.*

**What we checked** This drawing specifies 4 mm eye-link pitch and 5 mm cross rods. The first-article photographs record both features on the assembled belt.

*Eye-link pitch measurement*

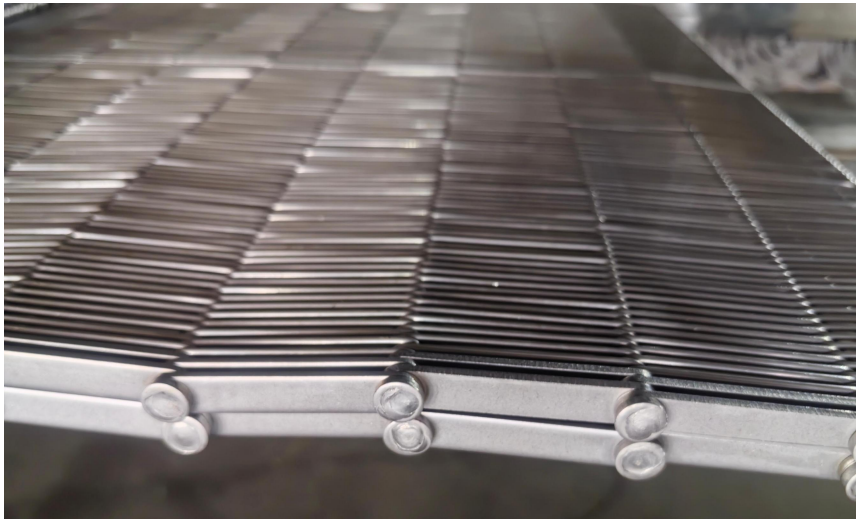
*Cross-rod diameter measurement*

**How you can check:** identify which drawing dimension each close-up is intended to verify.

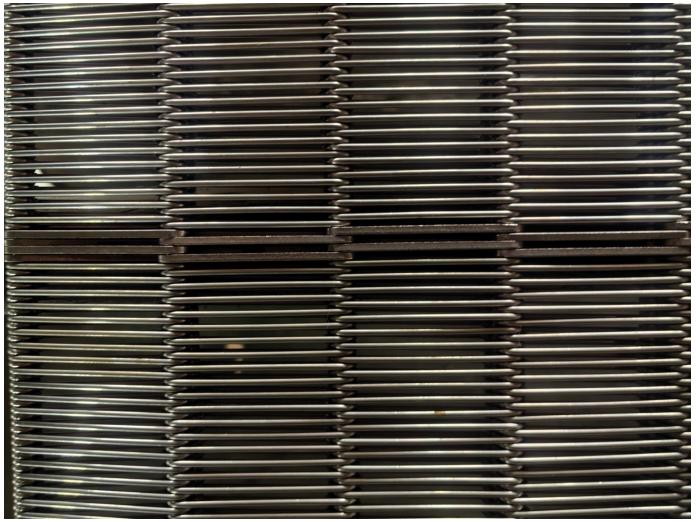
# The edge connection can be reviewed before dispatch

*The buyer's check: a general belt view can hide retention and reinforcement details.*

**What we recorded** The project includes washer-welded edges and reinforcing bars. The close-up shows the rod-end arrangement; the wider view shows how it forms part of the belt.



*Rod-end and washer details in the shipment records*



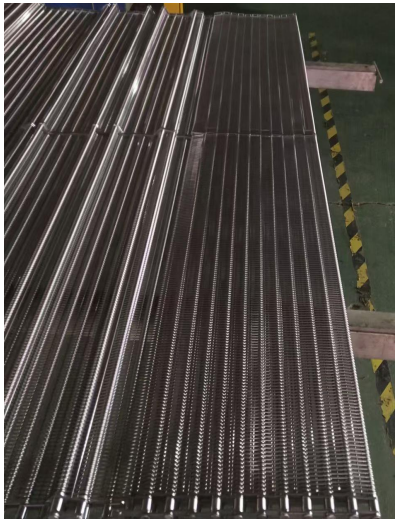
*Reinforcement and link arrangement in the shipment records*

**How you can check:** request both an edge close-up and an overall view of the same belt.

# A 1,750 mm eye-link belt with chain edges

*The buyer's check: the chain interface must be specified alongside the mesh.*

**What we made** This separate order specifies a SUS304 eye-link belt with 1,750 mm overall width, chain edges and central reinforcing bars. The manufactured belt is shown alongside its width check.



*Manufactured chain-edge eye-link belt*

*Overall-width check from the shipment photographs*

**How you can check:** review the complete belt width and side-chain arrangement together.

# The chain arrangement is visible at the belt edge

*The buyer's check: matching a belt requires more than a similar mesh appearance.*

**What we checked** The drawing specifies 25.4 mm rod and chain pitch. The first-article record shows the rod-pitch measurement; the shipment view shows the assembled chain connection.

*Assembled side chain and connecting rods*

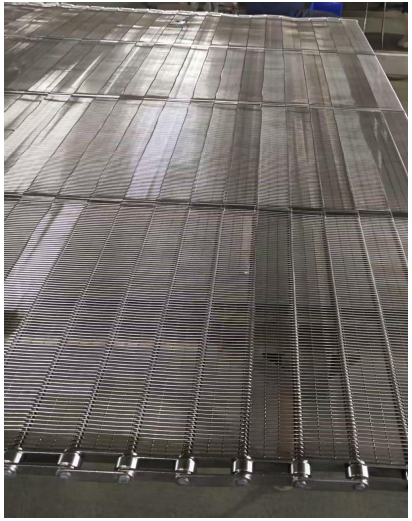
*Rod-pitch measurement in the first-article photo set*

**How you can check:** confirm chain dimensions, rod pitch and sprocket information before selection.

# Two wide belts, each supported by its own drawing

*The buyer's check: wide variants need separate dimensional records.*

**What we made** The order specifies two SUS304 eye-link belts: 2,582 mm overall width at 85 m, and 2,052 mm overall width at 92 m. Each variant has a separate technical drawing and photo record.



*The wider variant in the order photo records*

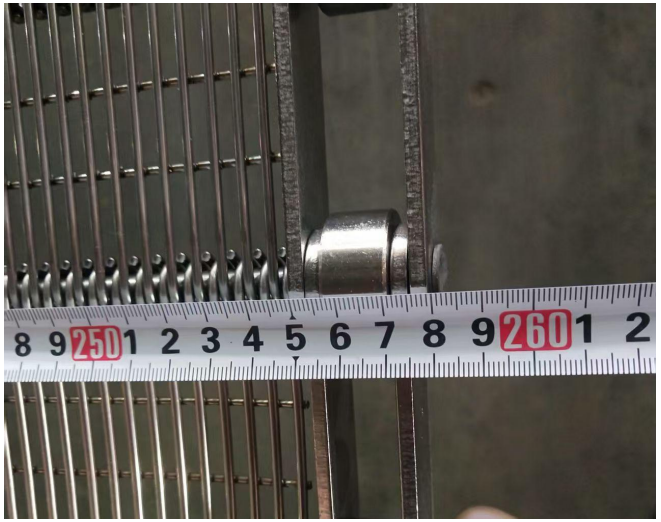
*The second variant in the same order*

**How you can check:** keep each belt variant linked to its drawing and inspection photographs.

# Overall width and useful width are different references

*The buyer's check: an isolated ruler image needs a clear measurement definition.*

**What we recorded** The two drawings distinguish overall, chain-centre and useful widths. The photographs show overall-width measurements on the two manufactured variants.




*Overall-width measurement on the 2,582 mm variant*

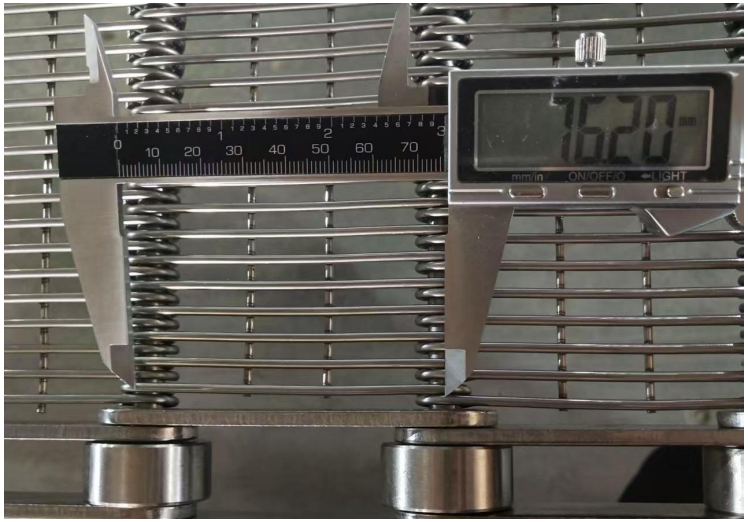
*Overall-width measurement on the 2,052 mm variant*

**How you can check:** name the width reference explicitly when you send dimensions or an old belt.

# Similar-looking variants retain different rod pitches

*The buyer's check: two belts in one project may have different drive geometry.*

**What we checked** The wider variant specifies 76.2 mm rod pitch; the other specifies 50 mm. Both measurements appear in the project photographs, alongside separate sprocket drawings.




*76.2 mm rod-pitch check on one variant*

*50 mm rod-pitch check on the other variant*

**How you can check:** review the belt and corresponding sprocket drawing as one identified set.

# 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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## Metal Conveyor Belt Manufacturer

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## Send your belt drawing for review

- Overall and useful belt width
- Link, rod and reinforcement details
- Chain and sprocket interfaces
- 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.