

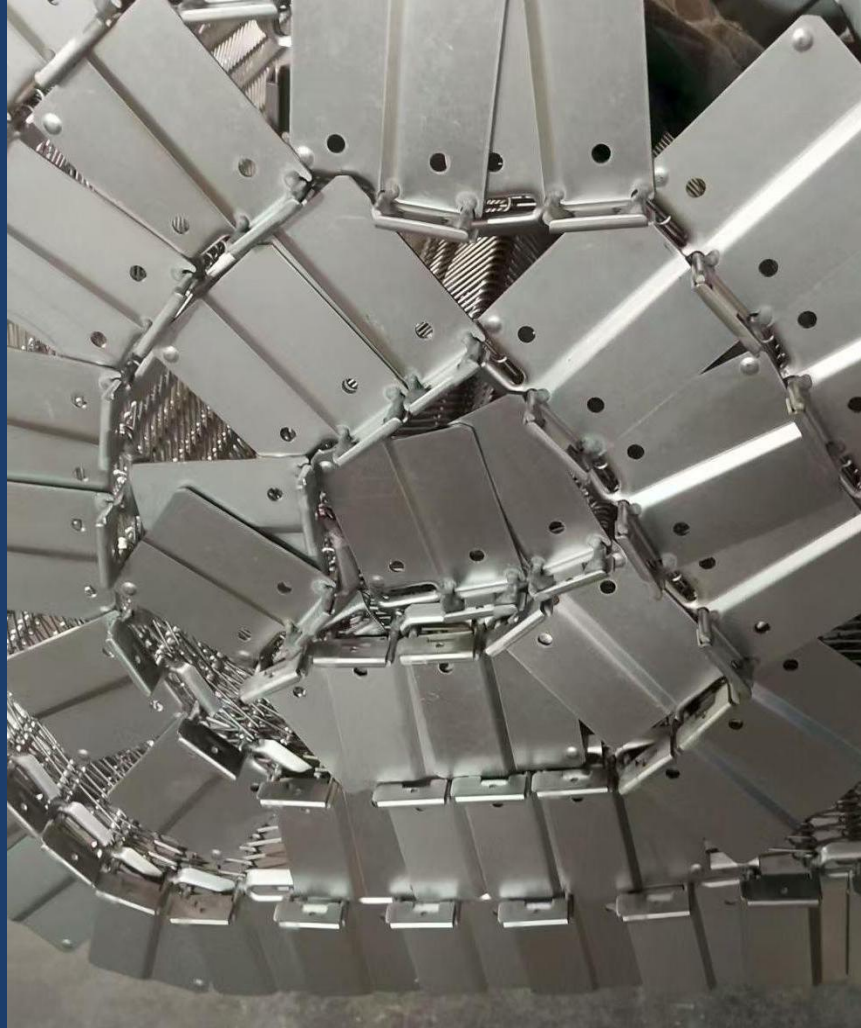


MANUFACTURING CASE STUDIES

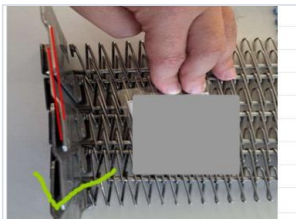
SELF-STACKING BELT

Repeat orders and a new
heavy-duty design

PROVEN · STABLE · VERIFIED



9 checks on every self-stacking belt before it ships



1

Side plates

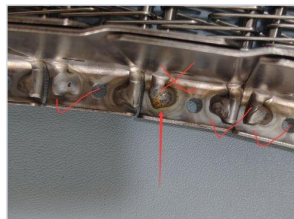
Parallel to the belt with a small, even gap, measured with the belt pulled tight.



2

Rods

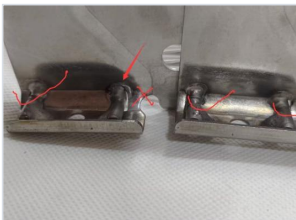
Every rod straight, so the tier plates stay vertical.



3

Weld points

Each weld pressed by hand; position centred, no loose points.



4

Flat-cap welds

Centred, smooth and firm on every link.



5

Tier plates

Vertical and in line along the full belt.



6

Rod to plate

Rod tight against the tier plate, no gap.



7

Inner slot

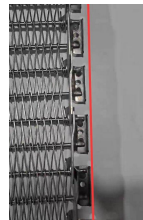
Slot width set to 5.5 mm so the rod slides freely.



8

Sprockets

Direction and pitch checked by turning by hand.



9

Width

Measured at five points or more against your drawing.

The questions buyers ask about repeat orders

Each answer in this file is a photo, a drawing or a measured value from a real order.

Buyer question	What we show you	Pages
Will my second order match the first?	One approved drawing; the same values measured on every order.	5, 8, 11
Can I trace which batch a plate came from?	A batch code stamped on the tier plates.	6
Will a long belt turn on my drum?	The full belt laid out at the turning diameter.	7, 16
Can you design a heavier belt?	A heavy-duty drawing, slot checks and turning tests.	13–17
Will it arrive straight?	Belts coiled and packed in wooden cases.	9, 12, 18

How you can check: ask for the same photos and values for your own order before it ships.

Pakistan, Asia: 350 m, then another 350 m

The buyer's task: a long belt to the buyer's sample, then the same belt again.

REPEAT ORDER

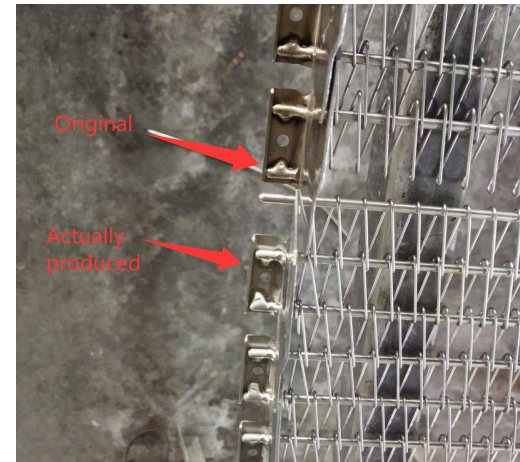
Buyer Belt distributor.

Belt SUS304, 660 mm (25.98 in) wide; spiral pitch 13 mm, rod pitch 30 mm; tier plate 1.5 × 80 mm (0.06 × 3.15 in).

Orders 350 m (1,148 ft), then a repeat order of 350 m to the same drawing.



Original link and the link we produced



Original and produced, side by side

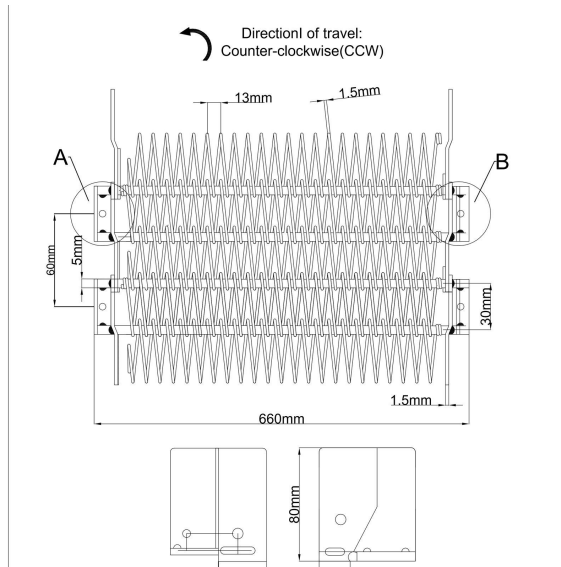
One drawing for both orders

The buyer's concern: a repeat order that drifts from the first.

Drawing Spiral pitch 13 mm, rod pitch 30 mm, wire 1.5 mm, tier plate 1.5 × 80 mm, counter-clockwise travel.

Comparison Before the first order we sent photos of the original link next to ours.

Repeat The second order was made and checked to the same drawing.



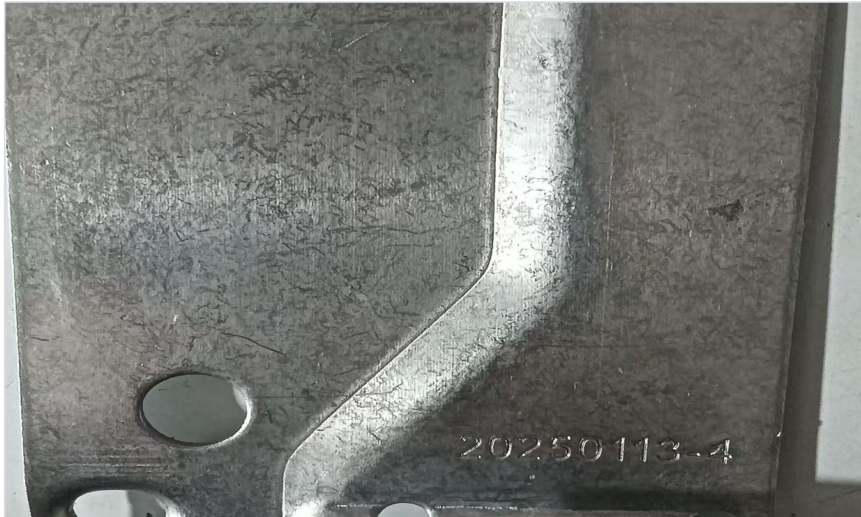
Our drawing for this belt

How you can check: ask for our drawing of your belt; repeat orders are checked against it.

A batch code stamped on the tier plates

The buyer's concern: not knowing which batch a plate came from.

What we did Stamped the production batch code into the tier plates, so any plate can be traced back to its batch.



Batch code on a tier plate



Codes along the belt

How you can check: ask for the batch code to be stamped on your belt.

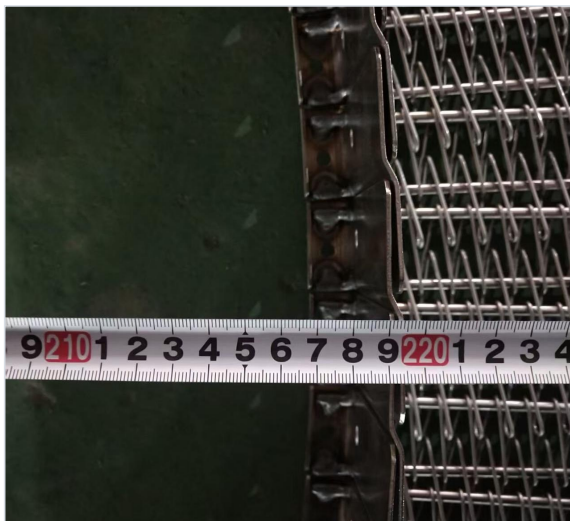
350 m laid out at the turning diameter

The buyer's concern: a long belt that does not turn evenly.

What we did Laid the belt out in a full circle on the workshop floor and measured the turn before packing.



Belt in a full circle



Measuring the turn



Tiers in the turn

How you can check: ask for photos and the measured turning diameter of your belt.

Second order measured to the same values

The buyer's concern: the repeat order coming out different.

Checked Rod pitch, spiral pitch and tier plate height measured again on the repeat order.



Rod pitch



Tier plate height



Spiral pitch

How you can check: first-article photos of every repeat order are sent with the measured values.

Coiled, then cased

The buyer's concern: plates bent on a long route.

Packed Belt coiled so the tiers nest, then packed in wooden cases (labels blurred).



Belt coiled for packing



Wooden cases

How you can check: packing photos are sent before shipment.

New Zealand, Oceania: a food plant reordering year after year

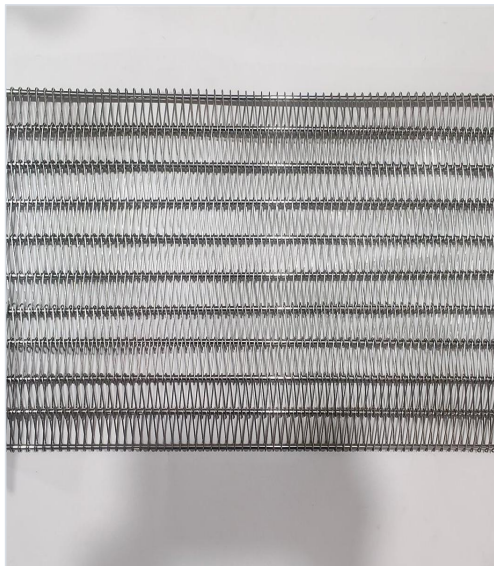
The buyer's task: the same belt on every reorder, in two widths.

REPEAT ORDER

Buyer Food manufacturer, end user.

Belts SUS304, 660 mm (25.98 in) and 420 mm (16.54 in) wide; rod pitch 30 mm; tier plate 1.5×80 mm.

Orders 100 m (328 ft) first; repeat orders of 100 m and 150 m (492 ft).



Sample section



Rod pitch on the sample

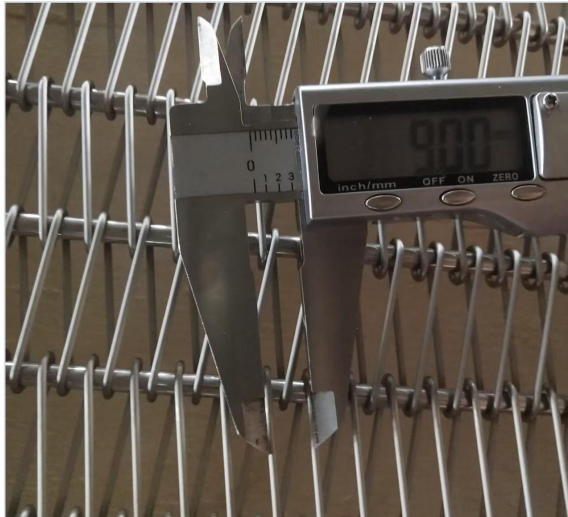
Trial production before every reorder

The buyer's concern: a reorder that differs from the belts already running.

Checked A trial section measured against the drawing before each repeat order went into production.



Spiral pitch 9.00 mm



Spiral pitch on the next reorder



Tier plate height

How you can check: ask for trial-production photos before your reorder starts.

Coiled and cased for a sea route

The buyer's concern: plates bent in transit.

Packed Belt coiled so the tiers nest, wrapped and packed in wooden cases (labels blurred).



Belt coiled for packing



Wooden cases

How you can check: packing photos are sent before shipment.

Korea, Asia: a heavy-duty self-stacking belt

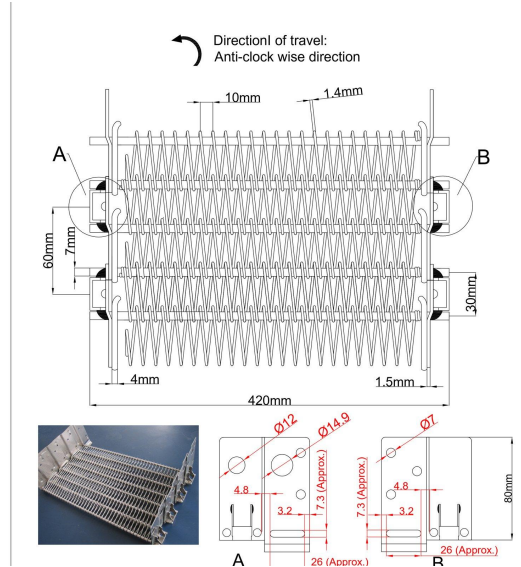
The buyer's task: a stronger belt for heavier loads, in 420 mm and 660 mm widths.

NEW PROJECT

Buyer Equipment manufacturer.

Design Rod 7 mm, wire 1.4 mm, spiral pitch 10 mm, rod pitch 30 mm; tier plate 1.5×80 mm; reinforcing bars 4×15 mm.

Drawing Approved after four revisions with the buyer.

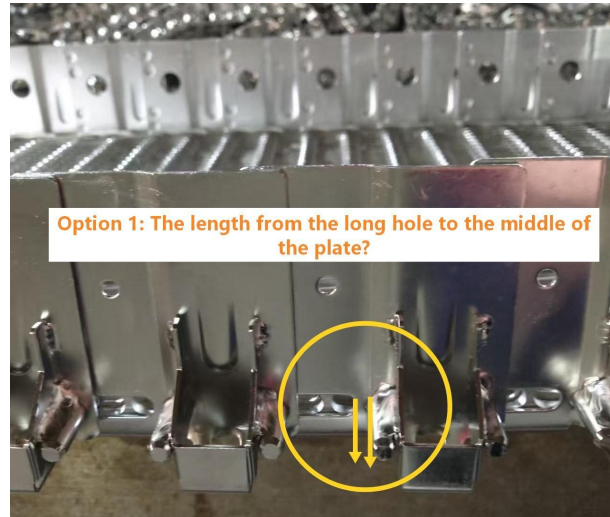


Our heavy-duty drawing, 420 mm

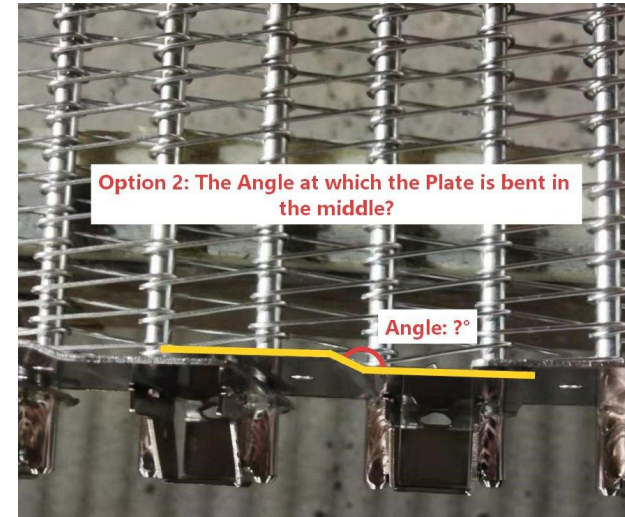
Details agreed with the buyer in photos

The buyer's concern: details that are only discovered after production.

What we did Sent marked-up photos asking the buyer to confirm plate details, such as hole position and bend angle, before production.



Question 1: hole to plate centre



Question 2: bend angle of the plate

How you can check: ask us to send questions as marked-up photos for your design.

First section and slot sizes measured

The buyer's concern: heavier rods that bind in the slots.

Checked Rod, spiral pitch and the slot sizes in the tier plates measured on the first section.



First section



Slot size



Slot size

How you can check: first-article photos are sent with the measured values.

Both widths laid out at the turning diameter

The buyer's concern: a heavier belt that will not turn.

Measured 420 mm belt turning at about 1,460 mm (57.5 in) diameter; 660 mm belt at about 2,405 mm (94.7 in). The turn was measured and improved over three rounds.



420 mm belt in a full circle



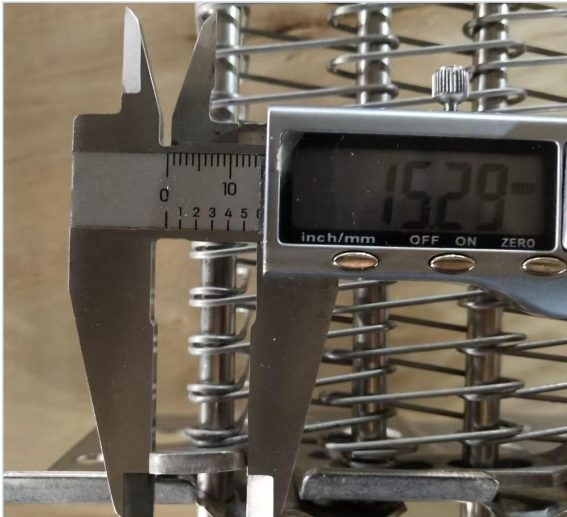
660 mm belt in a full circle

How you can check: ask for turning-test photos and diameters of your belt.

Measured again on the finished belt

The buyer's concern: a new design that changes between sample and shipment.

Checked Rod, spiral pitch and tier plates measured again; the coiled belt checked for nesting.



Spiral pitch



Plate measurement



Coiled belt

How you can check: ask for final-inspection photos before shipment.

Packed for the sea route

The buyer's concern: reinforced plates bent in the case.

Packed Belt laid in a lined case with the shipping list; cases closed and labelled (labels blurred).



Turn measured before packing



Packed cases

How you can check: packing photos are sent before shipment.



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Send your last order or your drawing

- Belt width and length (mm / in)
- Tier plate height and thickness
- Drum diameter and turn direction
- Load and operating conditions
- Your previous order or drawing

Request a Drawing Review