



TECHNICAL SPECIFICATION

SIDE DRIVEN BELT

Stainless steel and POM configurations
Dimensions in mm and in

PROVEN · STABLE · VERIFIED



A manufacturer supporting your belt specification

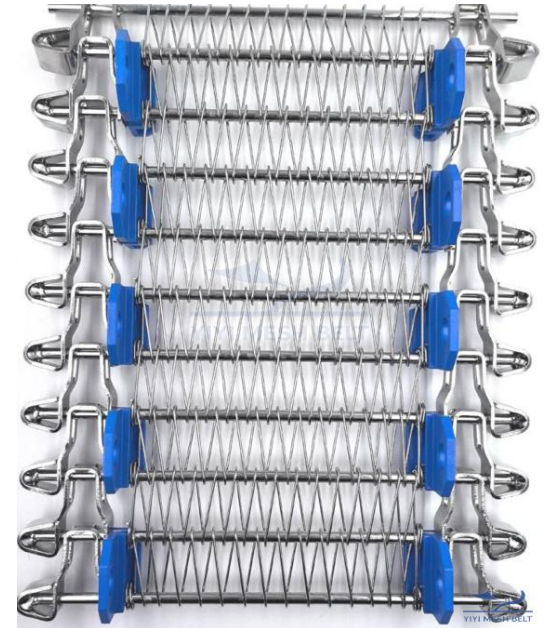
Ningjin Yiyi Mesh Belt Co., Ltd.

YIYI MESH BELT manufactures metal conveyor belts and related conveyor components in Ningjin, Shandong, China.

Manufacturing experience since 1998.
Current company established in 2008.

OEM equipment builders, professional distributors and replacement-belt buyers can submit drawings and application details for engineering review.

Custom projects: drawing approval, trial production and final inspection before shipment.



Typical applications

Typical uses in conveying and food processing lines. Configuration is confirmed on the approved equipment drawing.

01

SIDE-DRIVEN SPIRAL CONVEYING

For spiral conveyor systems driven at the belt edge. Rod pitch, overall width and the drive interface are confirmed on the equipment drawing.

02

CURVED CONVEYING

For conveyor layouts that include turns. Turn ratio and belt width are checked against the equipment geometry.

03

COOLING

For product cooling on spiral and curved conveyor lines. Mesh material, stainless steel or POM, is selected for the operating conditions.

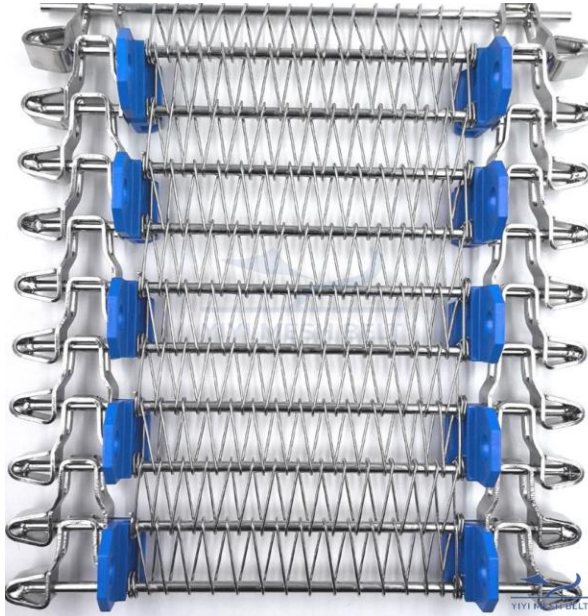
04

FREEZING

For freezing lines in food processing. Mesh material and operating temperature are confirmed during specification review.

Suitability depends on the belt specification, mesh material, operating conditions and equipment design.

Side Driven Belt with stainless steel mesh



Stainless steel mesh specification

Parameter	Metric (mm)	Inch (in)
Spiral pitch	5–23	0.197–0.906
Rod pitch	31.75 / 34	1.250 / 1.339
Rod diameter	6.0	0.236
Wire diameter	1.2 / 1.4 / 1.5 / 1.6 / 1.7 / 1.8	0.047 / 0.055 / 0.059 / 0.063 / 0.067 / 0.071
Overall width (O/A)	300–1100	11.81–43.31

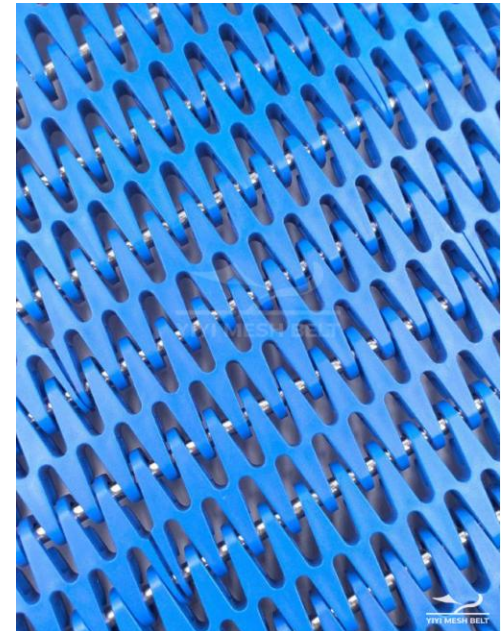
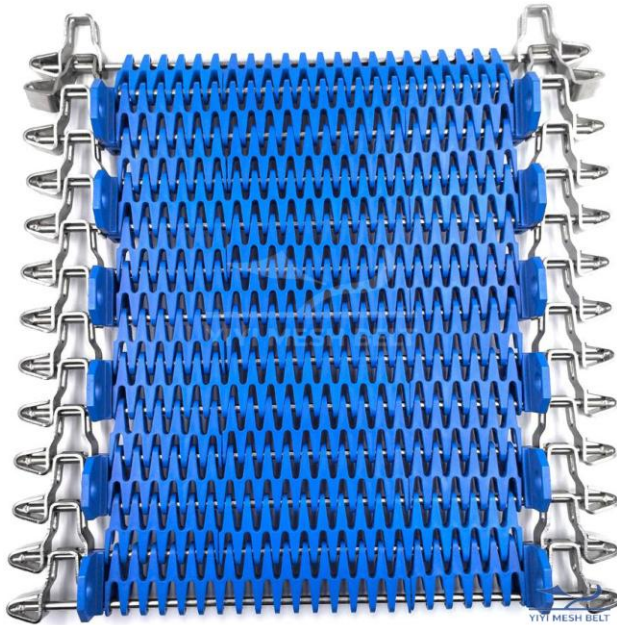
Mesh material: SUS 304 / SUS 316

Metal edge assembly: welded. Metal surface finish: electropolishing.

Reference turn ratio: 1.63. Confirm equipment geometry and custom widths by drawing.

Inch equivalents are rounded. Final manufacturing dimensions follow the approved drawing.

Side Driven Belt with POM mesh



POM mesh specification

Parameter	Metric (mm)	Inch (in)
Rod pitch	31.75 / 34	1.250 / 1.339
Rod diameter	6.0	0.236
Overall width (O/A)	300–1100	11.81–43.31

Mesh material: POM

Confirm the resin grade and operating temperature for the application.

Metal edge assembly: welded. Metal surface finish: electropolishing.

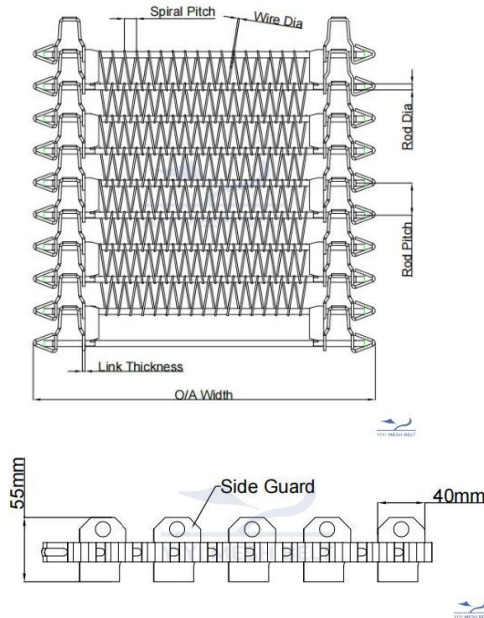
The metal finish applies to the metal components, not the POM mesh.

Reference turn ratio: 1.63. Confirm equipment geometry and custom widths by drawing.

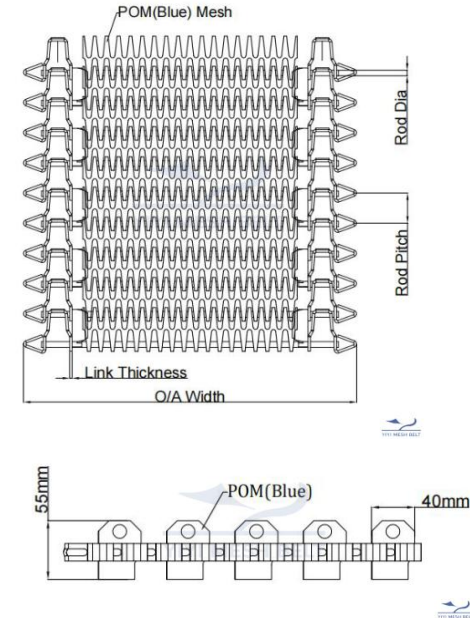
Inch equivalents are rounded. Final manufacturing dimensions follow the approved drawing.

Side Driven Belt construction references

STAINLESS STEEL MESH



POM MESH



Drawing dimensions: 55 mm / 2.165 in and 40 mm / 1.575 in. Dimensions follow the approved drawing.

Rod pitch options



31.75 mm / 1.250 in



34 mm / 1.339 in

Welded metal edge assembly

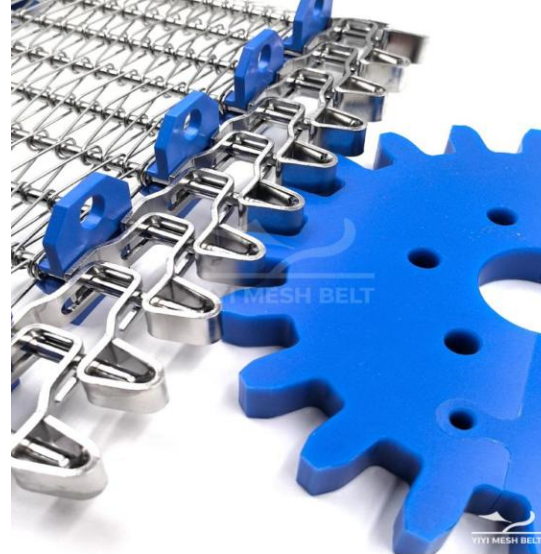


Metal edge detail with stainless steel mesh



Metal edge detail with POM mesh

Matching UHMWPE sprockets



Drive and shaft details for specification review

Confirm belt pitch, tooth count, bore, keyway and mounting dimensions (mm / in).
Match the sprocket profile and material to the approved equipment drawing.



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Send Your Drawing for Specification Review

- Belt dimensions (mm / in)
- Equipment and application
- Operating conditions
- Drive and shaft details
- Existing belt photos / sample

Request an Engineering Review

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