



TECHNICAL SPECIFICATION

SIDE DRIVEN BELT

Stainless steel and POM configurations
Dimensions in mm and in

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YIYI MESH BELT www.yiyimeshbelt.com YIYI-SDB-PPT-V1.3
YIYI-PPT-SIDE-DRIVEN-BELT-20260924-V1.3



Manufacturing for equipment applications

Ningjin Yiyi Mesh Belt Co., Ltd.

YIYI MESH BELT manufactures metal conveyor belts in Ningjin, Shandong, China. Manufacturing experience dates from 1998; the company was established in 2008.

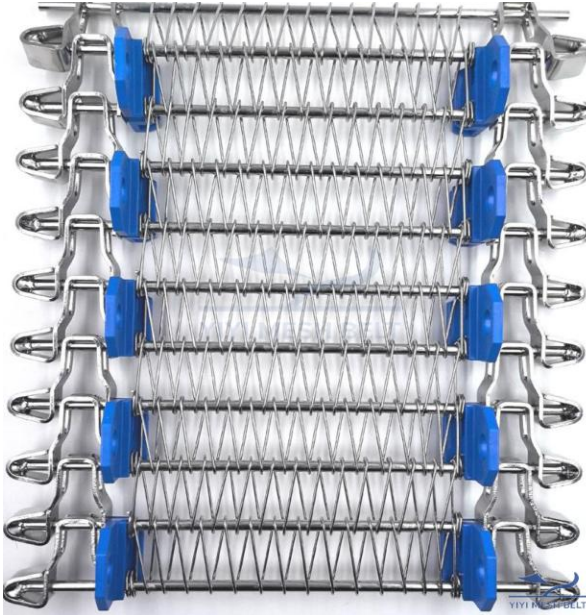
Manufacturing and order control

In-house operations include wire and round-bar drawing, forming, welding, assembly and straightening.

Custom orders follow drawing approval, trial production and first-article inspection before mass production, with final inspection before shipment.



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

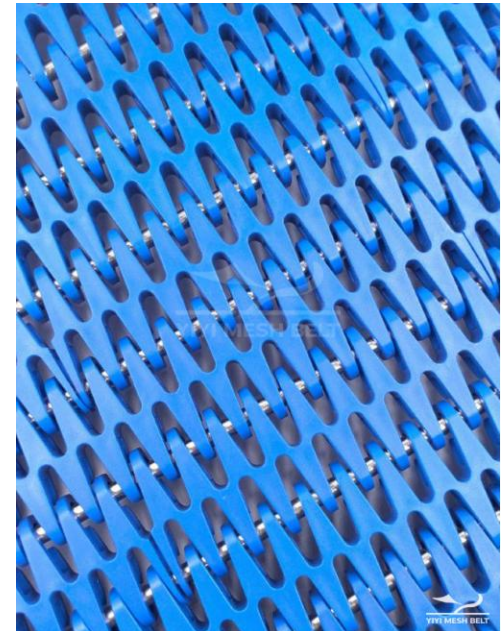
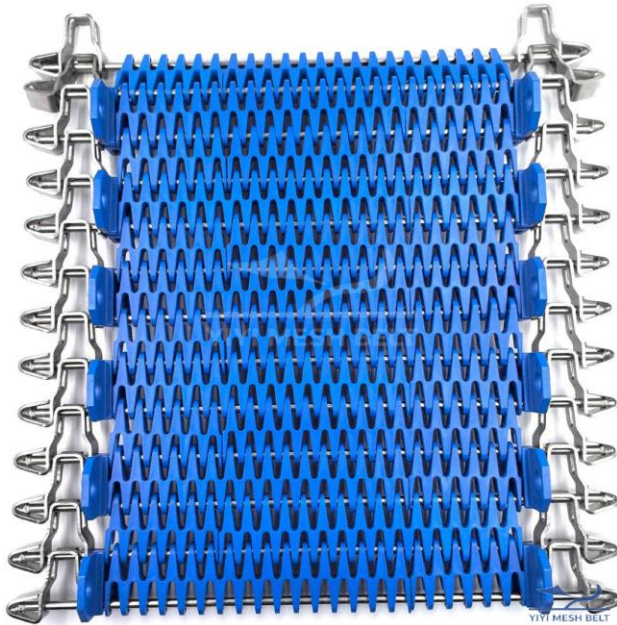
Mesh material: SUS 304 / SUS 316

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.

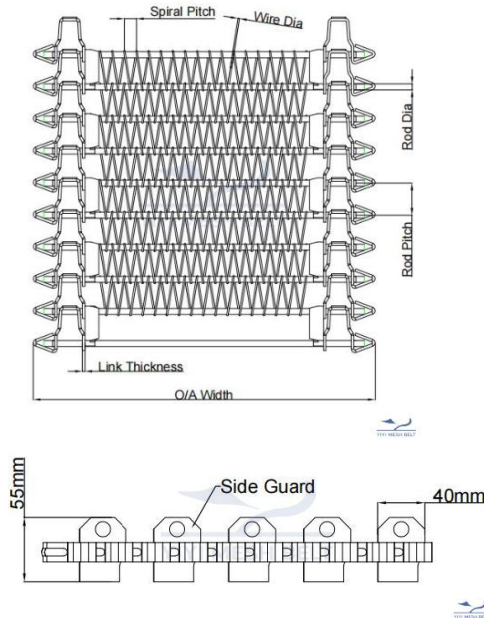
The metal finish applies to the metal components, not the POM mesh.

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

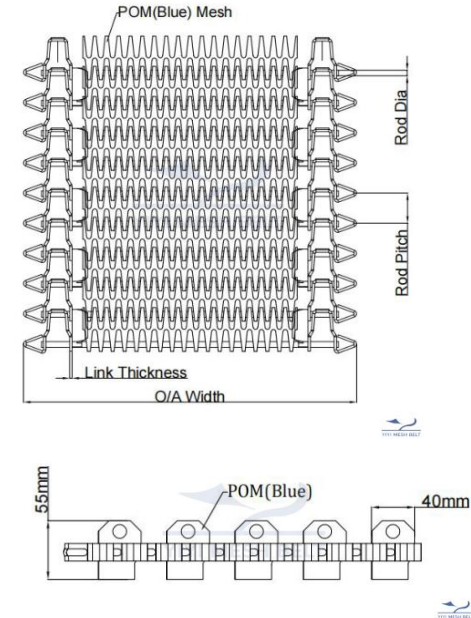
Inch equivalents are rounded. Final manufacturing dimensions follow the approved drawing.

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

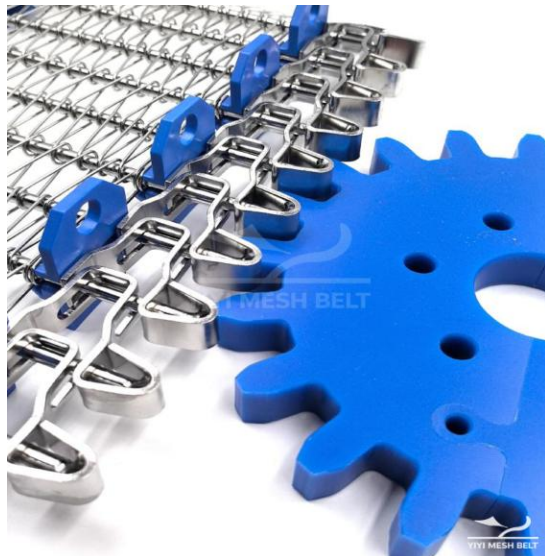


Metal edge detail with stainless steel mesh



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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for OEMs & Professional Distributors

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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