



TECHNICAL SPECIFICATION

CHAIN DRIVEN BELT

Dimensions in mm and in
Configuration options and drive interfaces

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YIYI MESH BELT www.yiyimeshbelt.com YIYI-CDB-PPT-V1.3
YIYI-PPT-CHAIN-DRIVEN-BELT-20260924-V1.3



Manufacturing for equipment applications

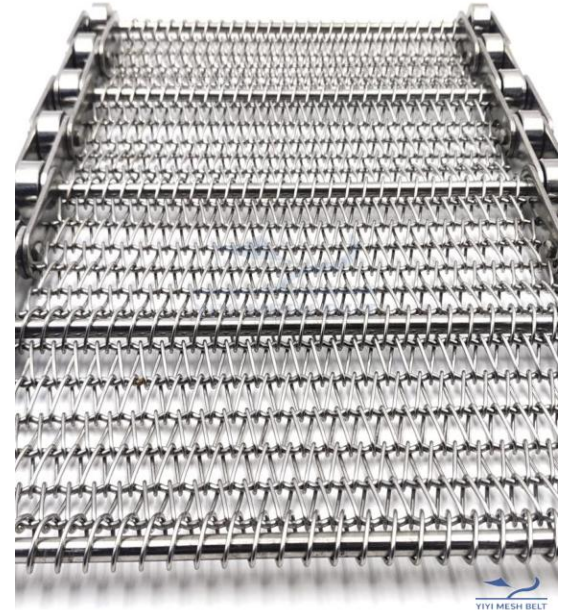
Ningjin Yiyi Mesh Belt Co., Ltd.

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

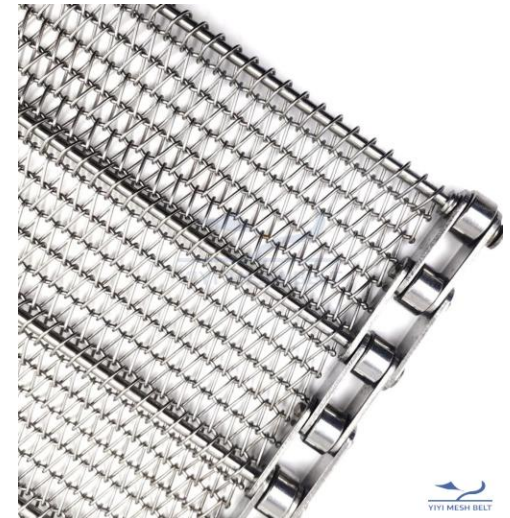
Manufacturing and order control

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

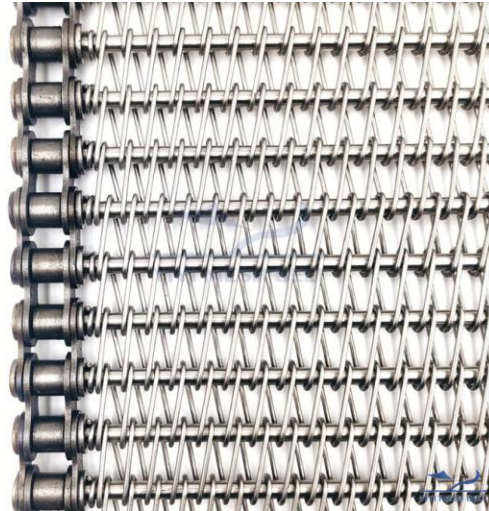
Custom orders follow drawing approval, trial production and first-article inspection before mass production, with final inspection before shipment.



Construction and surface details



Additional product configurations



Dimensional options

Parameter	Metric (mm)	Inch (in)
Spiral pitch	3–20	0.118–0.787
Mesh rod pitch	4–20	0.157–0.787
Wire diameter	1 / 1.2 / 1.4 / 1.6 1.8 / 2 / 2.5 / 3	0.039 / 0.047 / 0.055 / 0.063 0.071 / 0.079 / 0.098 / 0.118
Cross rod diameter	4 / 5 / 6 8 / 9	0.157 / 0.197 / 0.236 0.315 / 0.354
Chain pitch	12.7 / 15.875 / 25.4 / 31.75 38.1 / 50.8 / 63.5	0.500 / 0.625 / 1.000 / 1.250 1.500 / 2.000 / 2.500
Belt width	300–5000	11.81–196.85
Belt length	To approved drawing	To approved drawing

Listed options require project selection. Custom dimensions follow the approved drawing.

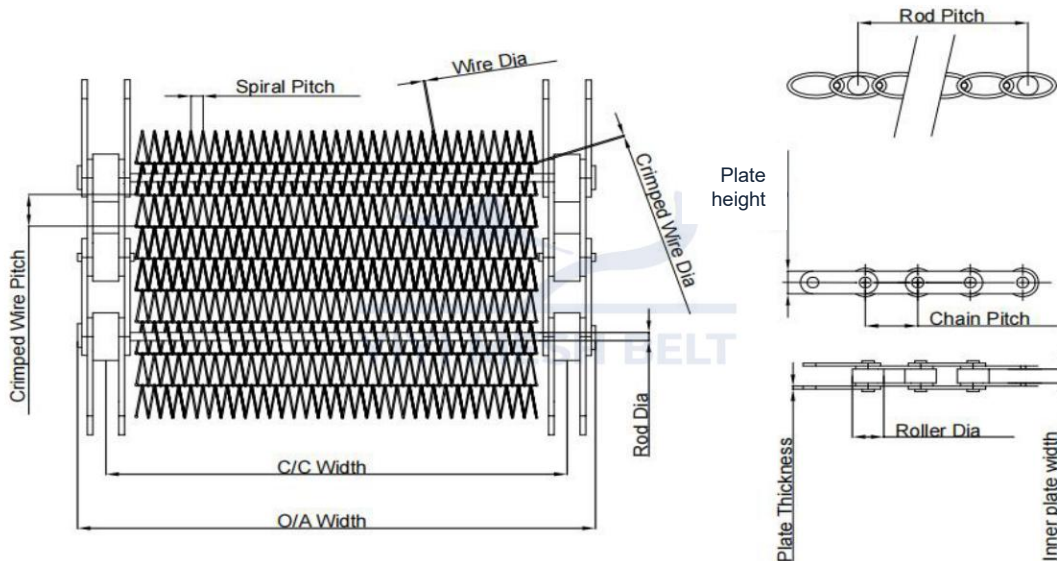
1 in = 25.4 mm. Inch equivalents are rounded references, not manufacturing tolerances.

Materials and configuration options

Parameter	Selection
Material	SUS 304 / SUS 316 / carbon steel
Chain references	#40 / #50 / C2042 / C2052 / C2062 / C2082 / C2102
Chain construction	Solid or hollow pin construction, confirmed by drawing
Edge construction	Washer welded / cotter pin
Accessories	Side guide / tube / side roller / square bar / flights / side plate
Belt, chain and sprocket	Confirm the chain standard, selected pitch and sprocket profile together

Select materials, geometry and components together for the application and approved drawing.

Dimensional references and equipment interfaces



Drawing requirements

Specify mesh pitch separately from chain pitch. Confirm the cross rods and chain attachments.

Show chain center distance, overall width, roller diameter and inner plate width.

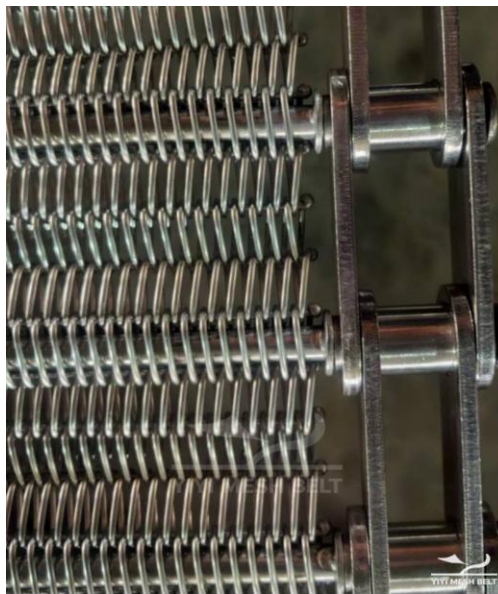
Match chain pitch, chain model and sprocket geometry as one assembly.

Dimensioned customer drawings define the final geometry, tolerances and component interfaces.

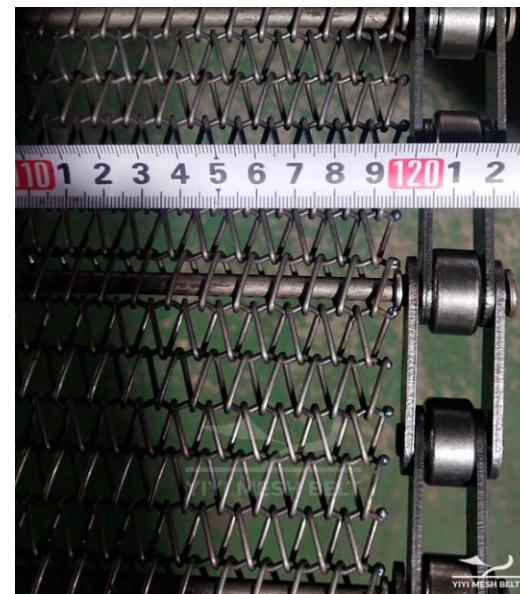
Material options for project conditions



SUS304



SUS316



CARBON STEEL

Chain pitch options



12.7 mm / 0.500 in



25.4 mm / 1.000 in



31.75 mm / 1.250 in

Chain pitch options



38.1 mm / 1.500 in



50.8 mm / 2.000 in



63.5 mm / 2.500 in

Edge treatment options



WASHER WELDED



COTTER PIN

Accessories and construction options



BLUE PLASTIC SIDE GUIDE



TUBE

Accessories and construction options



STAINLESS STEEL SIDE ROLLER



SQUARE BAR

Accessories and construction options



SPIRAL WIRE FLIGHTS



SIDE PLATE

Accessories and construction options



“L” TYPE FLIGHTS

Matching sprockets



SUS 304 / SUS 316 — CHAIN BELT SPROCKET

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

Matching sprockets



MILD STEEL — CHAIN BELT SPROCKET

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