



TECHNICAL SPECIFICATION

CHAIN PLATE / PLATE LINK BELT

Dimensions in mm and in
Configuration options and drive interfaces

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 industrial conveying lines. Configuration is confirmed on the approved equipment drawing.

01

HEAVY-DUTY CONVEYING

For conveying heavier loads. Plate thickness, rod diameter and chain pitch are selected for the load and equipment.

02

SOLID CONVEYING SURFACE

For applications that need a solid plate surface. Perforated plates are available when the hole layout is confirmed by drawing.

03

INDUSTRIAL CONVEYING

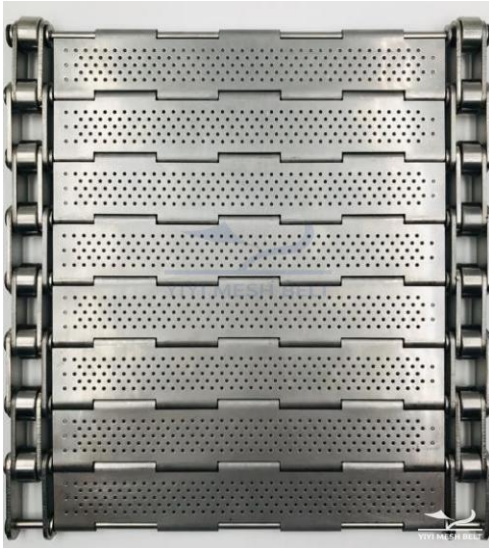
For general industrial conveyor lines. Plate pitch, chain pitch and accessories are confirmed together on the approved drawing.

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

Construction and surface details



Additional product configurations



Dimensional options

Parameter	Metric (mm)	Inch (in)
Plate pitch	25.4 / 31.75 / 38.1 50.8 / 63.5	1.000 / 1.250 / 1.500 2.000 / 2.500
Plate thickness	1 / 1.2 / 1.5 2 / 2.5	0.039 / 0.047 / 0.059 0.079 / 0.098
Rod diameter	5 / 6 / 8 / 10	0.197 / 0.236 / 0.315 / 0.394
Chain pitch	25.4 / 31.75 / 38.1 50.8 / 76.2	1.000 / 1.250 / 1.500 2.000 / 3.000
Perforation diameter*	5–8	0.197–0.315
Belt width	300–4000	11.81–157.48
Belt length	To approved drawing	To approved drawing

* Perforation is optional. Custom widths and lengths follow the approved drawing.

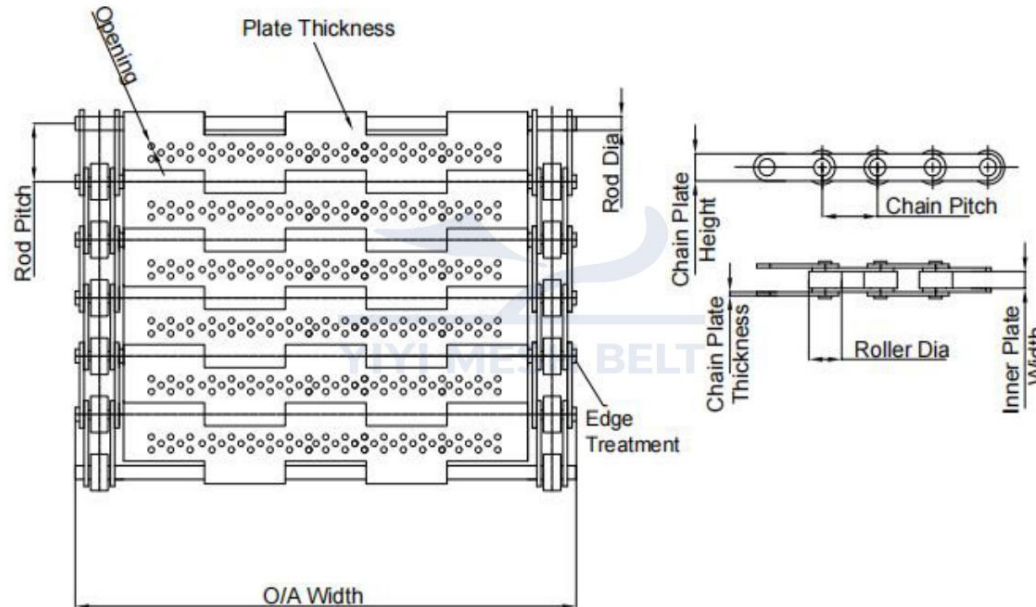
1 in = 25.4 mm. Inch equivalents are rounded references, not manufacturing tolerances.

Materials and configuration options

Parameter	Selection
Material	SUS 304 / SUS 316 / mild steel
Plate surface	Solid or perforated
Perforation layout	Confirm hole diameter, hole spacing and arrangement by drawing
Edge construction	Washer welded / cotter pin
Accessories	Protruding points / L-type or Z-type flights / side plates
Plate and chain selection	Confirm the plate-pitch and chain-pitch combination for the equipment

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

Dimensional references and equipment interfaces



Drawing requirements

Confirm plate pitch and chain pitch separately. The approved drawing defines their combination.

Specify plate thickness, hole pattern, rod diameter and overall width.

Check chain dimensions, attachment details and the sprocket interface.

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

Material options for project conditions



SUS 304



SUS 316

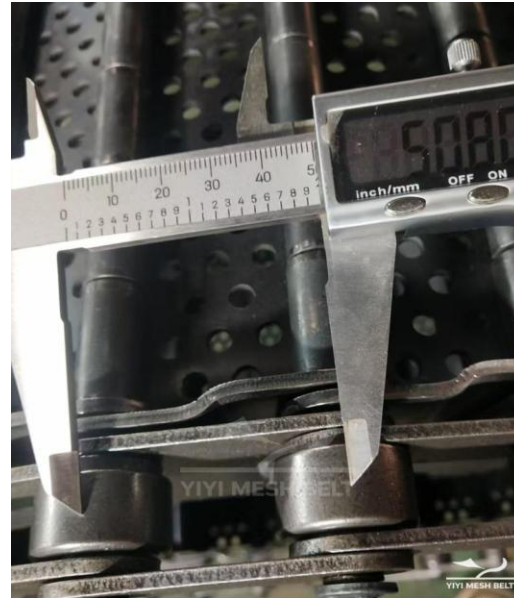


MILD STEEL

Pitch measurement examples



31.75 mm / 1.250 in



50.8 mm / 2.000 in



63.5 mm / 2.500 in

Edge treatment options



WASHER WELDED



COTTER PIN

Accessories and construction options



PROTRUDING POINT

Accessories and construction options



SIDE PLATE

Accessories and construction options



L-TYPE FLIGHT

Accessories and construction options



Z-TYPE FLIGHT

Matching sprockets



SUS 304 / SUS 316 — CHAIN PLATE 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 PLATE 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

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