



TECHNICAL SPECIFICATION

SPIRAL FREEZER BELT

Dimensions in mm and in
Configuration options and drive interfaces

PROVEN · STABLE · VERIFIED

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YIYI MESH BELT www.yiyimeshbelt.com YIYI-SFB-PPT-V1.3
YIYI-PPT-SPIRAL-FREEZER-BELT-20260924-V1.3



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A manufacturer supporting your belt specification

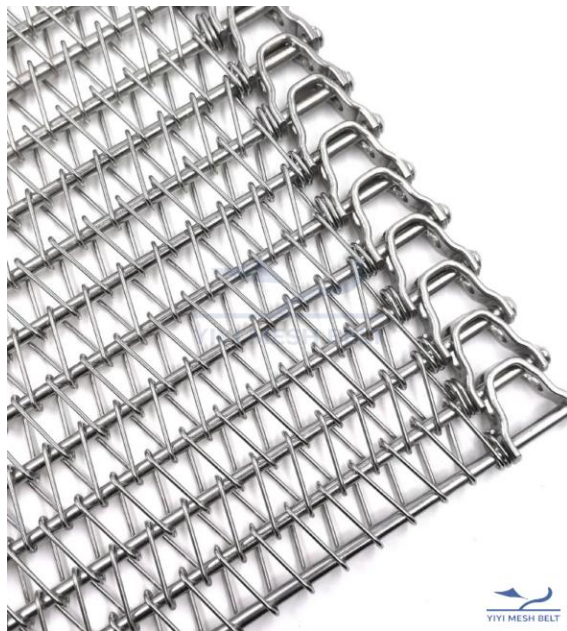
Ningjin Yiyi Mesh Belt Co., Ltd.

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.



Spiral Freezer Belt — dimensional reference

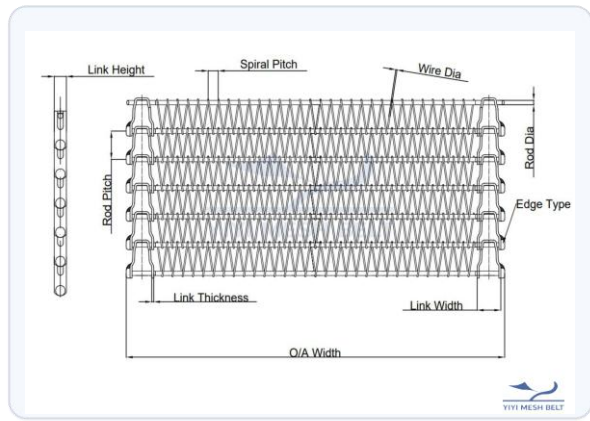
Parameter	Metric (mm)	Inch equivalent (in)
Spiral pitch	5–23	0.197–0.906
Rod pitch	19.05 / 25.4 / 27 27.4 / 38.1 / 40	0.750 / 1.000 / 1.063 1.079 / 1.500 / 1.575
Rod diameter	5.0 / 6.0 / custom	0.197 / 0.236 / custom
Spiral wire diameter	1.2 / 1.4 / 1.5 1.6 / 1.7 / 1.8	0.047 / 0.055 / 0.059 0.063 / 0.067 / 0.071
Belt width ¹	300–2900 / custom	11.81–114.17 / custom
Belt length	To approved drawing	To approved drawing

1 in = 25.4 mm. Inch values are rounded references, not manufacturing tolerances.
Select dimensions and components together for the application and approved drawing.

¹ Specify overall width and usable conveying width on the approved drawing.

Spiral Freezer Belt configuration options

Parameter	Selection
Material	SUS 304 / SUS 316
Turn ratio	Reference range: 1.15–2.5. Final ratio follows the approved equipment geometry.
Surface treatment	Pickling / electropolishing
Edge finish	Button welded / Flat-hat welded / Rod welded / Button cap welded / Clenched
Accessories	None / Side plate / Reinforced piece / Center plate / Center link



PROJECT CONFIRMATION

**Match the belt, drum geometry
and drive components to
the approved drawing.**

Options are project-dependent. Listed selections are not automatically interchangeable.

Rod pitch options — metric and inch reference



19.05 mm / 0.750 in



25.4 mm / 1.000 in



27 mm / 1.063 in

Inch values are rounded references. Confirm the pitch and configuration on the approved drawing.

Rod pitch options — metric and inch reference



27.4 mm / 1.079 in



38.1 mm / 1.500 in



40 mm / 1.575 in

Inch values are rounded references. Confirm the pitch and configuration on the approved drawing.

Edge finish options — match the approved drawing



BUTTON WELDED



FLAT-HAT WELDED



ROD WELDED

Choose the edge construction together with the belt width, rod and equipment interface.

Edge finish options — button cap or clenched

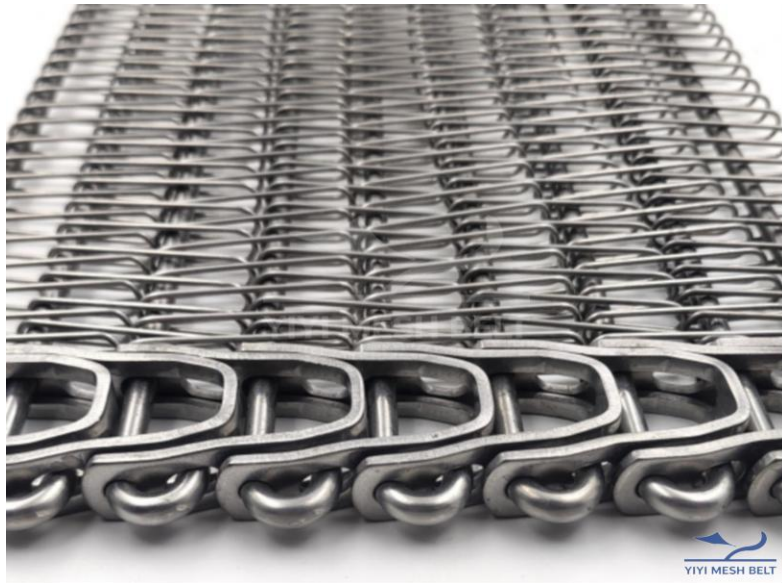


BUTTON CAP WELDED



CLENCHED

Surface finish options



PRODUCT SURFACE DETAIL

Available processes: pickling / electropolishing. Specify the required finish for the material and application.



PRODUCT SURFACE DETAIL

Spiral Freezer Belt accessories

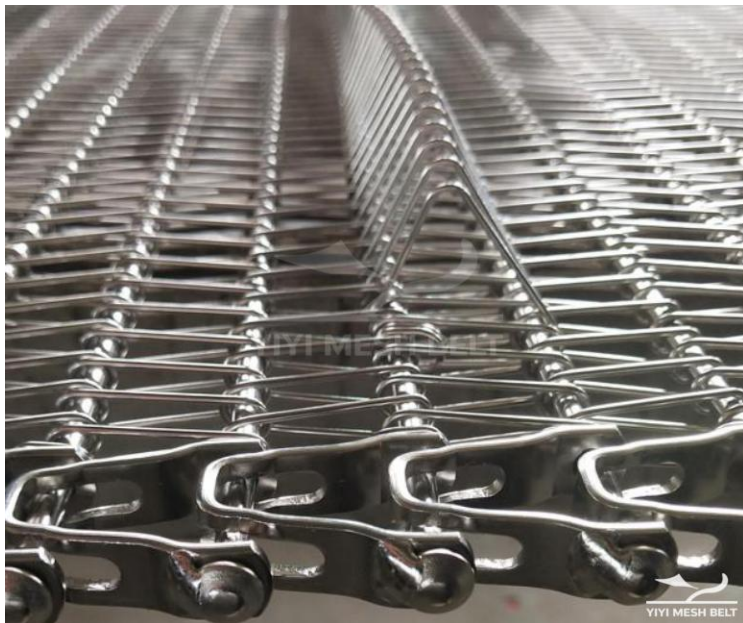


SIDE PLATE / REINFORCED PIECE



CONFIGURATION TO APPROVED DRAWING

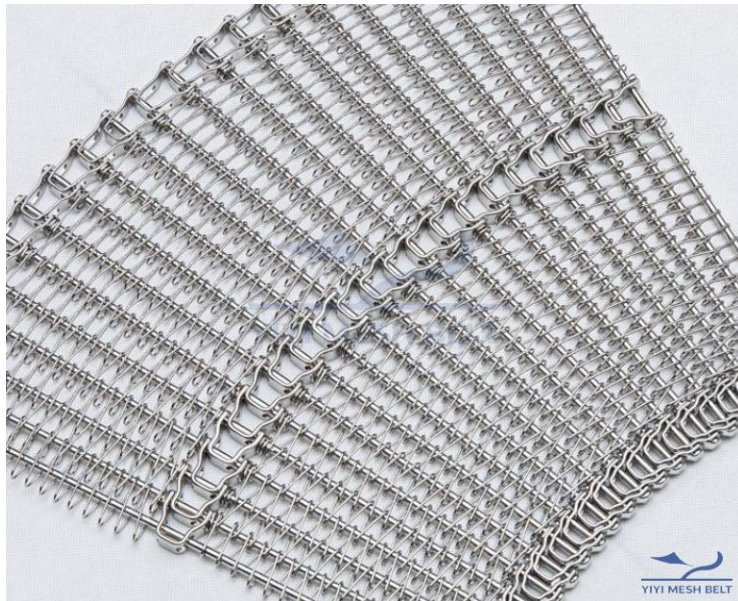
Project-specific mesh construction



MESH CONSTRUCTION DETAIL

Mesh geometry and dimensions follow the approved project drawing.

Spiral Freezer Belt accessories



CENTER LINK



DIMENSIONS TO APPROVED DRAWING

Spiral Freezer Belt accessories



CENTER PLATE



POSITION AND SIZE TO APPROVED DRAWING

Drive sprockets — stainless steel options

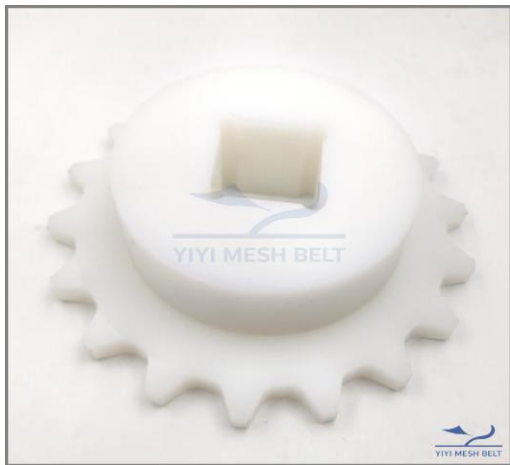


SUS 304 / SUS 316

Confirm belt pitch, tooth count, bore, keyway and mounting dimensions (mm / in).

Material and geometry require project review; photographs do not establish equipment compatibility.

Drive sprockets — polymer options



NYLON / UHMWPE / POM

Confirm belt pitch, tooth count, bore, keyway and mounting dimensions (mm / in).

Material and geometry require project review; photographs do not establish equipment compatibility.



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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