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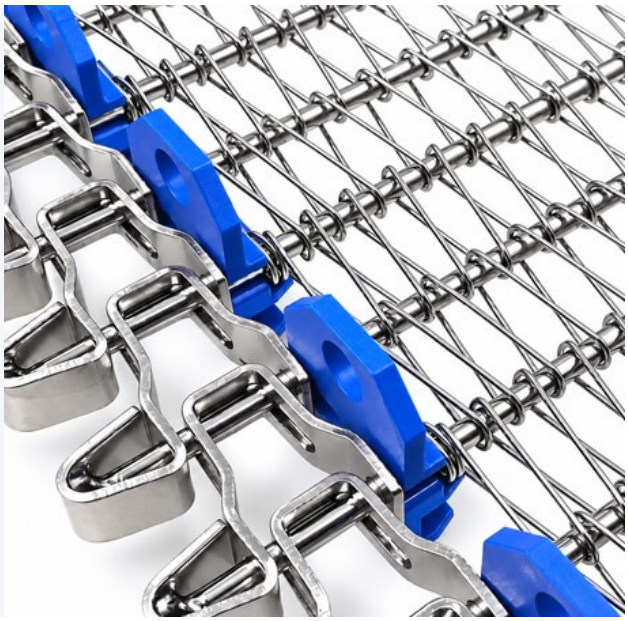
METAL CONVEYOR BELTS · PRODUCT DATA SHEET

Edge Drive Spiral Freezer Belts

Belt-edge components engage matching sprockets to drive an open stainless steel conveying surface. PFM SCREEN supplies edge-drive belts for compatible spiral freezing, cooling, proofing and IQF systems, with selected mesh designs, widths, side guards and drive components.

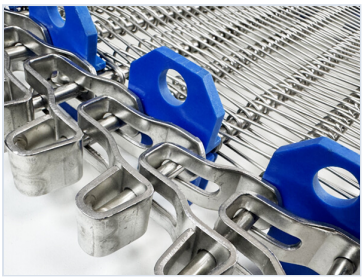
310.00-1,200.00 Typical overall width, mm	**31.75 / 34.00** Rod pitch options, mm	**3** Mesh design families
SS304 / 316 Material options	**Welded** Connection and edge	**Optional** Side guards and sprockets



OVERVIEW

The belt follows a curved path in a compatible conveyor while edge components engage the drive sprockets. Mesh provides product support and airflow.

Width, rods, mesh, edge engagement and sprockets must match the equipment. Guidance, clearances and support are reviewed with the entire drive interface.



FEATURES AND BENEFITS

01 Sprocket-Driven Edge
Matched edge engagement provides the drive interface.

02 Open Mesh
Allows process airflow around supported products.

03 Stainless Materials
SS304 and SS316 selected for service and cleaning.

04 Cleaning Access
Open construction supports cleaning and drainage.

05 Configured Dimensions
Width, pitch and edge parts matched to equipment.

06 Optional Guards
Selected to retain product with adequate articulation and clearance.

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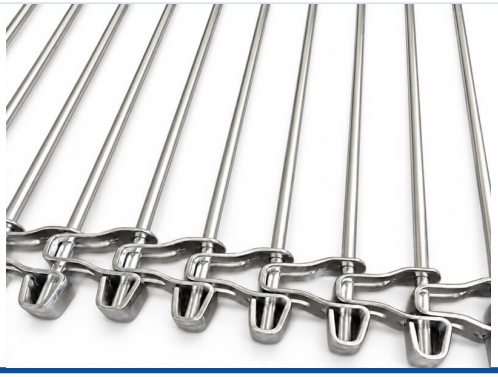
01 TECHNICAL CONSTRUCTION

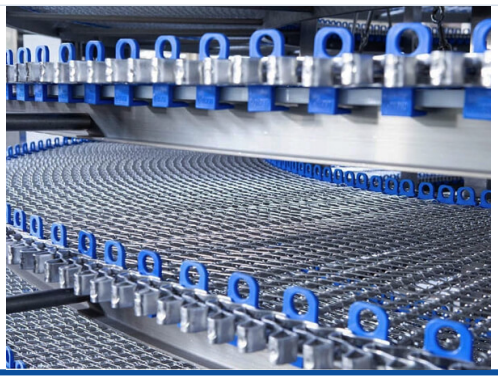
1.1 Mesh Surface

Balanced weave, ladder mesh and hybrid designs are available according to product support and application requirements.



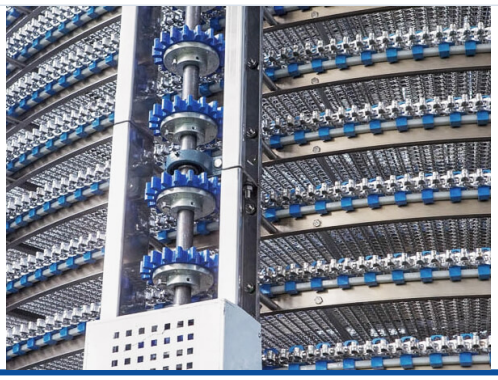
1.2 Welded Connections

Connection geometry and weld details are confirmed for the selected belt.



1.3 Edge-Drive Interface

Side components engage matching sprockets. Confirm geometry, engagement, alignment and support.



1.4 Guards and Sprockets

Optional side guards and matching sprockets can be supplied for the equipment and order.

1.5 Material options

Material	Selection considerations
Stainless Steel 304	Suitable general food and conveyor duties with compatible operating/cleaning conditions.
Stainless Steel 316	Improved resistance in many chloride-containing environments; still dependent on concentration, temperature and exposure.

Confirm product contact, operating temperatures, cleaning conditions and any required documentation.

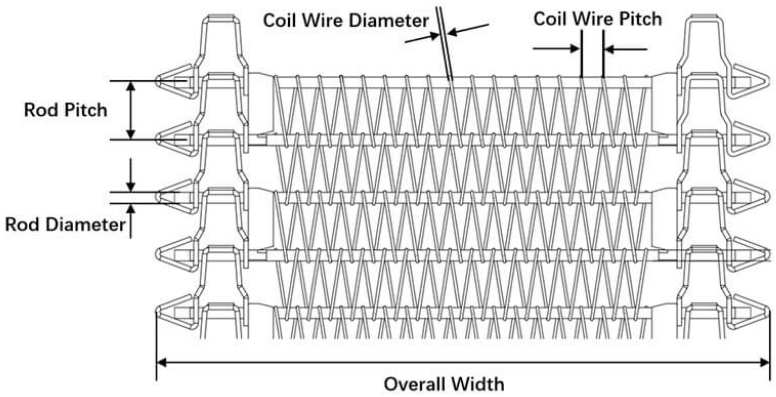
02 DIMENSIONS AND EQUIPMENT MATCHING

Parameter	Specification
Overall belt width (mm)	Typically 310.00-1,200.00; customized to equipment
Rod pitch (mm)	31.75 / 34.00
Rod diameter (mm)	5.00 / 6.00
Coil wire diameter (mm)	1.50 / 1.60 / 1.70 / 2.00
Material	Stainless Steel 304 / 316
Mesh type	Balanced Weave / Ladder Mesh / Hybrid
Edge / connection	Welded; design-specific connection details
Drive	Sprockets engaging belt-edge components
Side guards	Optional; height and position to confirm
Sprockets	Matching parts available according to equipment
Temperature / cleaning	Confirm for belt, drive components and actual service conditions

Listed options are not necessarily interchangeable. Confirm the final configuration against the approved drawing.

Overall belt width INCLUDES the side drive components. It is not the clear product-carrying width.

2.1 Mesh and overall-width references



For a replacement, send photos of the edge and sprockets, equipment model, overall width, rod pitch, belt length and existing drawings.

For a new conveyor, include product size and load, width, turning requirements, drive arrangement and operating conditions.

Confirm the belt and drive together

Send known dimensions and interface photographs. Matching overall width alone is insufficient to identify the drive geometry.

Request Custom Quote

Email Specifications

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03 APPLICATIONS

Bakery

Bread, pastries, pizza and dough in compatible freezing, cooling or proofing systems.

Seafood

Fish fillets, shrimp and shellfish, with material selected for the service.

Dairy and Desserts

Mesh matched to product size, support and handling.

Poultry and Meat

Suitable portions and sausages in continuous freezing/cooling lines.

Ready Meals

Prepared foods, pre-cooked ingredients and portioned meals.

Vegetables

Openings and support selected for product size and condition.

Freezing and cooling performance depend on the full process: airflow, temperature, product loading and residence time. The belt and sprocket interface must match the equipment.

Discuss your product and system

Share the equipment model, belt photographs, width, load and temperatures. We will review mesh support and drive compatibility.

Request Custom Quote

Email Specifications

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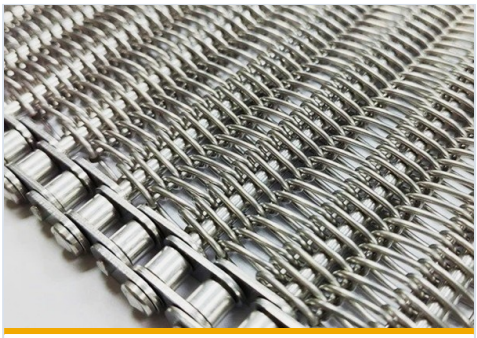
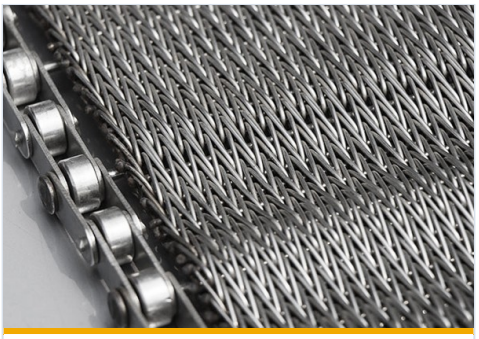
OUR COMPLETE PRODUCT RANGE

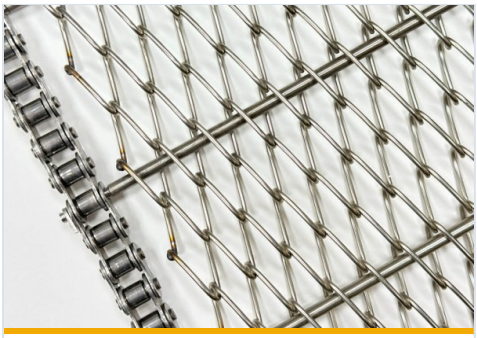
Factory-direct metal conveyor belts and matched drive components — click any product to view full specifications online.



01 Balanced Spiral Woven Belts



02 Compound Weave Belts



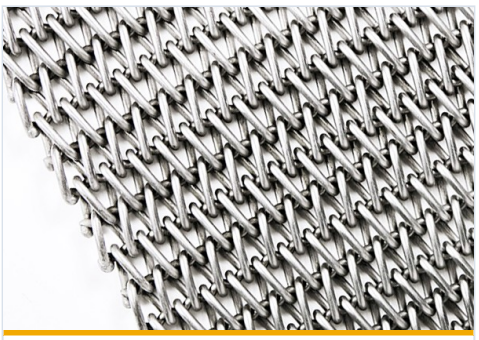
03 Chain Link Conveyor Belts

04 Flat Flex & Enrober Belts

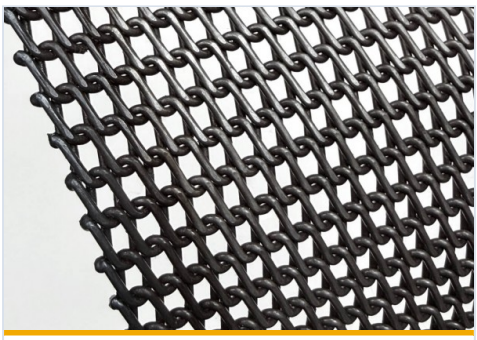
05 Eye Link & Eye Flex Belts

06 Honeycomb & Flat Wire Belts

07 Plate Link & Hinged Steel Belts



08 Wire Mesh Lehr Belts



09 Biscuit Baking Belts

10 Spiral Freezer Belts

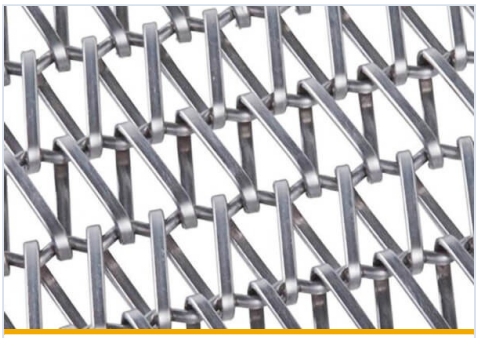
11 Flexible Rod Conveyor Belts

12 Self-Stacking Spiral Belts

13 Edge Drive Spiral Freezer Belts

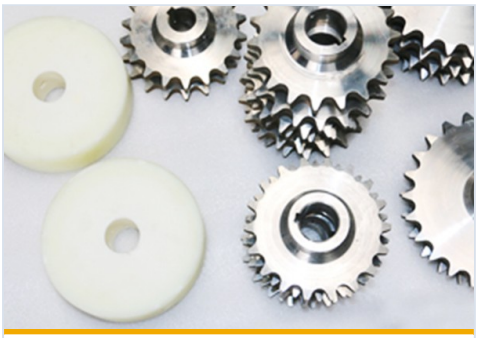
14 Ladder Conveyor Belts

15 Woven Rod Bar Conveyor Belts



16 Veneer Dryer Wire Mesh Belts

17 Chain Links



18 Sprockets

WHY PFM SCREEN BELTING

Since 1987
Factory-direct manufacturing in Anping, Hebei — China's wire mesh base

16+
Metal belt types, plus matched chains and sprockets

60+
Countries supplied with export-grade crating

1 Business Day
Typical response from our sales engineering team

CONTACT US

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Complete the enquiry form for your belt type and email it with drawings or photos, operating conditions and required quantity. Unsure which form to use? Send a photo of your existing belt.

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