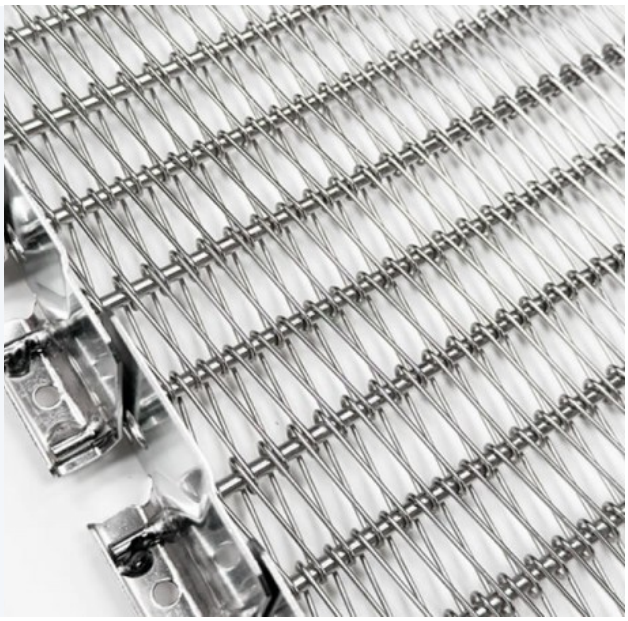
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METAL CONVEYOR BELTS · PRODUCT DATA SHEET

# Self-Stacking Spiral Freezer Belts

Stacking elements support successive tiers to form a compact helical belt arrangement. PFM SCREEN supplies self-stacking belts for compatible freezing, cooling and proofing systems, with mesh, width, tier height and equipment interfaces matched to the application or existing belt.

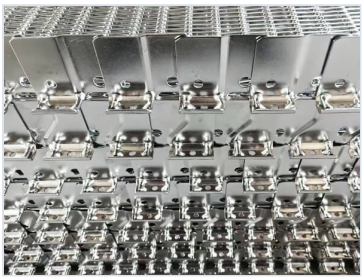
| | | |
|---|---|---|
| **6.00-20.00 mm**<br>Coil pitch range | **30.00 mm**<br>Cross-rod pitch | **4**<br>Listed tier heights |
| **SS304 / 316L**<br>Material options | **Welded**<br>Edge finish | **Reversible**<br>Subject to system review |

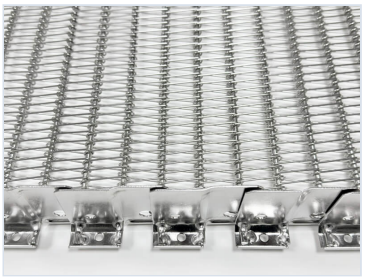


## OVERVIEW

The belt forms a helical stack in which each tier supports the tier above through stacking elements. Open mesh allows air to pass through during processing.

Drive, infeed, outfeed and any guides or support components depend on the conveyor system. Complete replacement belts and sections are reviewed against the existing interfaces.





## FEATURES AND BENEFITS

**01 Self-Stacking**
Successive tiers form a compact conveying arrangement.

**02 Open Mesh**
Product support with through-belt airflow.

**03 System Matching**
Width, tier height, mesh and edges selected for the equipment.

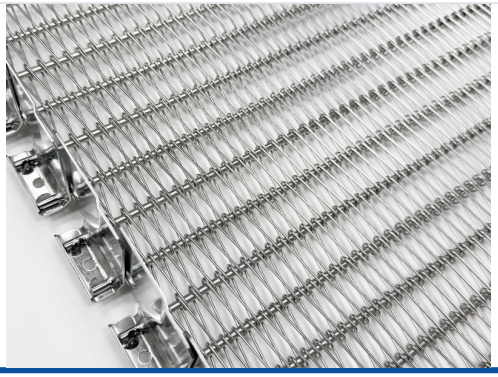
**04 Replacement Sections**
Review old construction, wear and joining interfaces before splicing.

**05 Stainless Options**
SS304 and SS316L selected for service and cleaning.

**06 Inspection Access**
Open construction permits cleaning and inspection under site procedures.

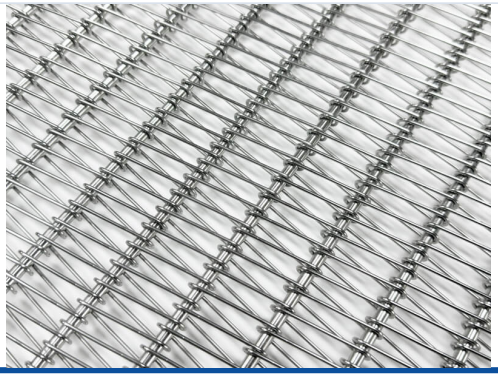
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## 01 CONSTRUCTION AND TECHNICAL SPECIFICATIONS



### Stacking and Edge Detail

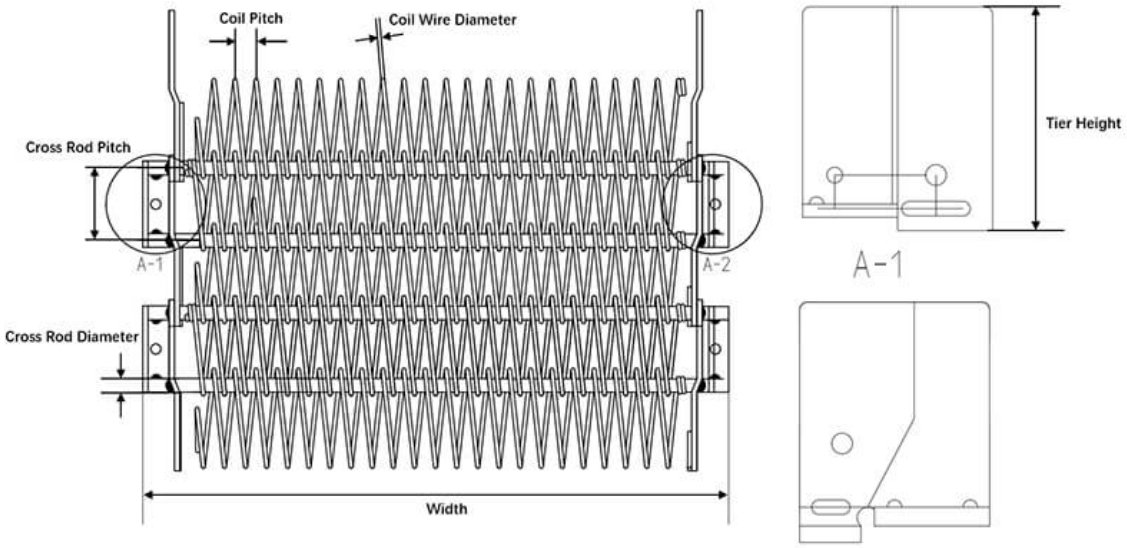
Confirm edge profile, welded connections, stacking engagement and available clearances.



### Mesh and Cross Rods

Match spiral arrangement, cross rods and joints to the original belt and equipment.

### 1.1 Mesh and stacking geometry




Confirm overall width and tier-height measurement points, spiral pitch, wire and rod sizes, stacking profile and drive engagement from the approved drawing.

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# 01 TECHNICAL SPECIFICATIONS - CONTINUED

## 1.2 Reference options

| Parameter | Specification |
|---|---|
| **Coil wire diameter (mm)** | 1.50, 1.60, 1.70, 1.80 |
| **Coil pitch (mm)** | 6.00-20.00; custom within the range |
| **Cross-rod diameter (mm)** | 5.00, 6.00, 7.00 |
| **Cross-rod pitch (mm)** | 30.00 |
| **Tier height (mm)** | 60.00, 80.00, 100.00, 120.00 |
| **Listed widths (mm)** | 420.00, 580.00, 640.00, 760.00, 920.00, 1,060.00; custom on request |
| **Edge / material** | Welded; SS304 / SS316L |
| **Spiral direction** | Clockwise or counter-clockwise construction |
| **Running direction** | Reverse operation available; confirm belt and system requirements |

Reference options require a confirmed combination, measurement points, stacking geometry and drive interface.

**Spiral handedness and reverse running are different requirements. Reversible operation must be confirmed for the same belt and its system.**

### Confirm belt and stacking dimensions

Share width, tier height, coil pitch, wire/rod sizes, full-loop length and photos of stacking and drive interfaces.

Request Custom Quote

Email Specifications

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# 02 MATERIALS, REPLACEMENT AND APPLICATIONS

## 2.1 Material and splice review

SS304 is available for suitable food-processing duties; SS316L can improve corrosion resistance in some environments. Confirm product, cleaning chemicals and temperature for the intended application.

Joining a new section to an existing belt depends on the old construction, wear and equipment interfaces. Provide photos, drawings or a sample before confirming a splice-in section.



### Meat and Poultry

Freezing of meat cuts, poultry and suitable prepared products.



### Proofing and Freezing

Compatible bakery systems for dough and other supported products.



### Ready-to-Eat Foods

Suitable spiral processes for pizza, meals and snacks.



### Seafood

Fish, shrimp and seafood freezing with appropriate material and cleaning review.

Other applications include suitable vegetable, fruit, dairy and ice-cream processing. Freezing, cooling and proofing suitability depends on system design, temperature, humidity, support and sanitation.

**Match your self-stacking system**

Send system model, product, process, width, tier height and available belt/interface photographs.

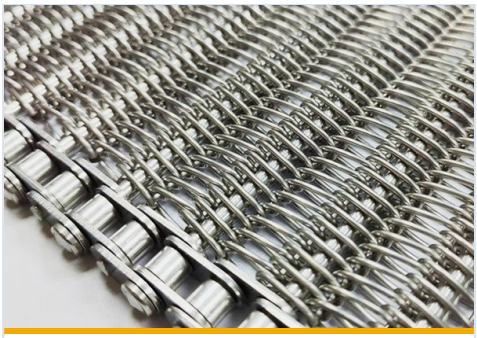
Request Custom Quote

Email Specifications

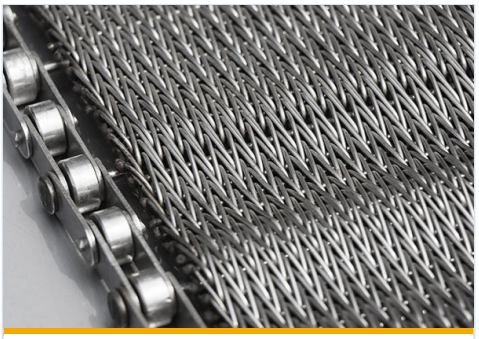
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## OUR COMPLETE PRODUCT RANGE

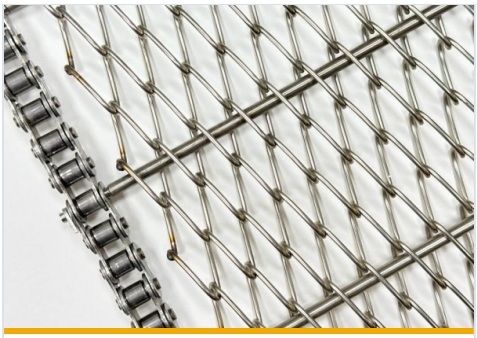
Factory-direct metal conveyor belts and matched drive components — click any product to view full specifications online.



01 Balanced Spiral Woven Belts



02 Compound Weave Belts



03 Chain Link Conveyor Belts



04 Flat Flex & Enrober Belts



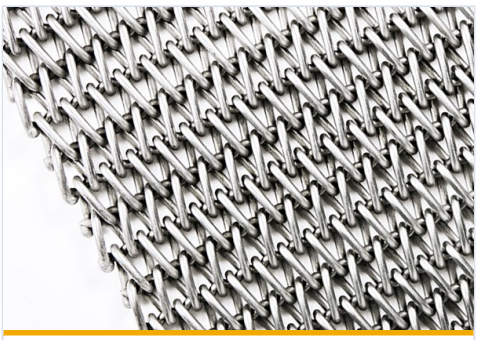
05 Eye Link & Eye Flex Belts



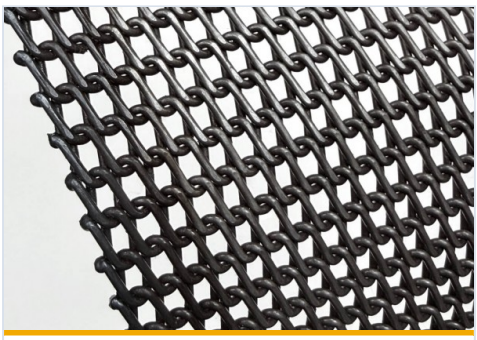
06 Honeycomb & Flat Wire Belts



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



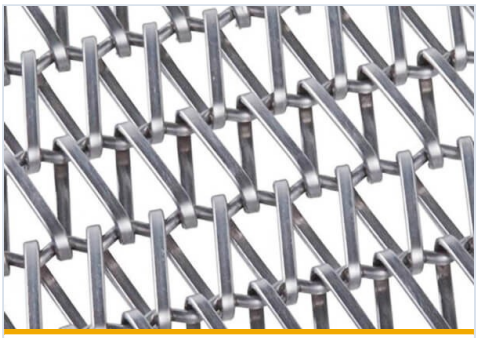
13 Edge Drive Spiral Freezer Belts



14 Ladder Conveyor Belts



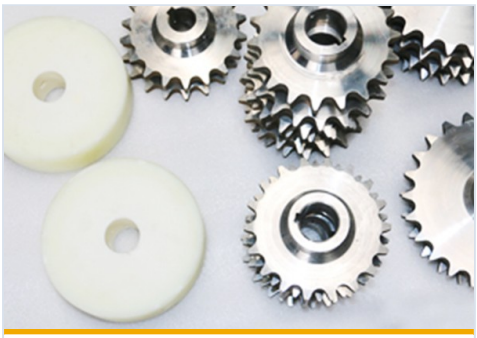
15 Woven Rod Bar Conveyor Belts



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

### INTERNATIONAL SALES & ENQUIRIES

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**WhatsApp** +86-153-6967-9157

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**WhatsApp** +86-189-3167-2095

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