



# PFM SCREEN

Specialize In Wire Conveyor Belt Manufacturing And Solution.



## Flexible Rod Conveyor Belts

[www.industrialconveyorbelt.com](http://www.industrialconveyorbelt.com)

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## Overview

A Flexible Rod Conveyor Belt is constructed from 3 components.

1. Alternating spirals take care of the belt overlay.
2. These spirals are connected to each other by means of smooth cross rods.
3. Special chain links are mounted at the outer sides, which are locked by means of button heads.

This kind of wire mesh belt is especially designed for spiral or round conveyor as well as straight-running conveyor. With the ability to side flex, the belt can also be used for conveyors arranged to go around obstacles. The flexible rod belt is popular in the food industries, including cooling, cooking or freezing products.

Rod and spiral alternating coils structure efficiently improve production and reduce downtime. Owing for robust construction, this rod conveyor belting need far less maintenance. Besides, Flexible Rod belts can also be supplied with a link in the center of the belt width to decrease its turning radii, as well as side guards to prevent product spillage.

### Features of flexible rod conveyor belt

**Smooth and burr-free.** The finish is smooth and burr-free for quick and easy cleaning, maximizing production.

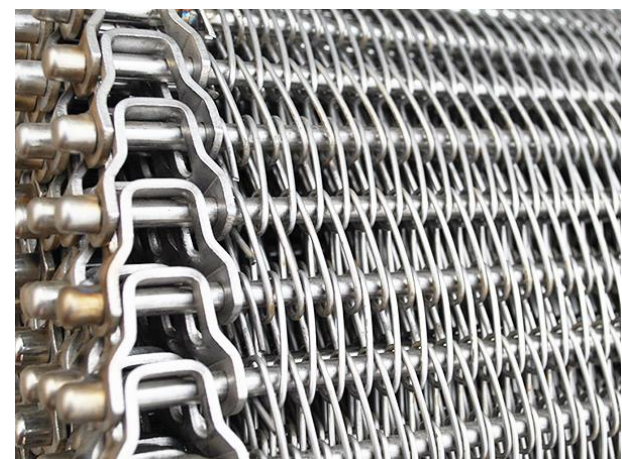
**High temperature resistance.** The stainless steel material can maintain the perfect performance even in the extremely high or low temperature applications.

**Corrosion and rust resistance.** The stainless steel material and galvanized steel have excellent chemical stability, which are corrosion and rust resistance.

**Durable and long service life.** The high quality material and rigid structure can ensure the long lifespan of the flexible rod conveyor belt.

**Easy to install and replace.** The flexible rod conveyor belt is lightweight and easy to install and replace.

**U-shaped links can be added on the center of conveyor belt.**



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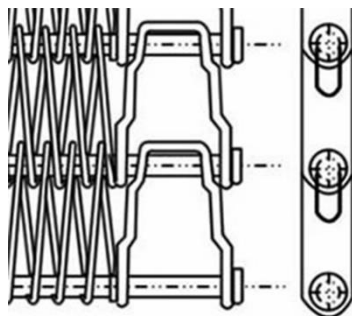
To decrease turning radii and improve conveying efficiency, the U-shaped conveyor belt are added onto the center of the conveyor belt.

**Side guards are available.** Side guards can be added on both side of the conveyor belt to prevent products from spillage.

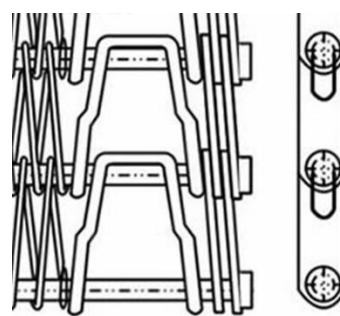


## Edge Availability

Flexible Rod Belt edge has different types, which can be standard U-shaped link and U-shaped link edge with reinforced rod. they're all solid and sturdy. you can choose them according to your applications and products you want to convey.



standard U-shaped link edge



standard U-shaped link and reinforced plate

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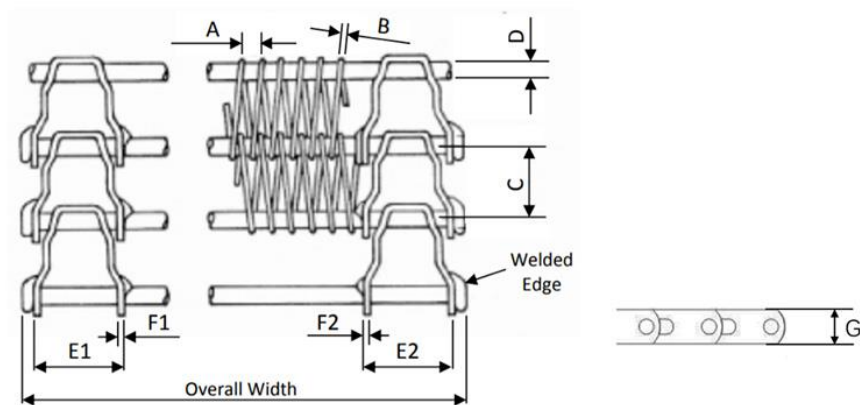
## Material Availability

Material: carbon steel, SS 201, SS 304, SS 316, SS 316L

Material	Maximum Wire Operating Temperature °C
Carbon Steel	550
201 Stainless Steel	600
304 Stainless Steel	750
316 Stainless Steel	800
316L Stainless Steel	800

## Specifications

### Standard Radius Metal Belt with a link at both sides



### Specifications of Flexible Rod Conveyor Belt

A: Spiral Coil Pitch (mm)

B: Coil Wire Diameter (mm)

C: Cross Rod Pitch (mm)

D: Cross Rod Diameter (mm)

E: Edge Links Width (mm) E1 E2

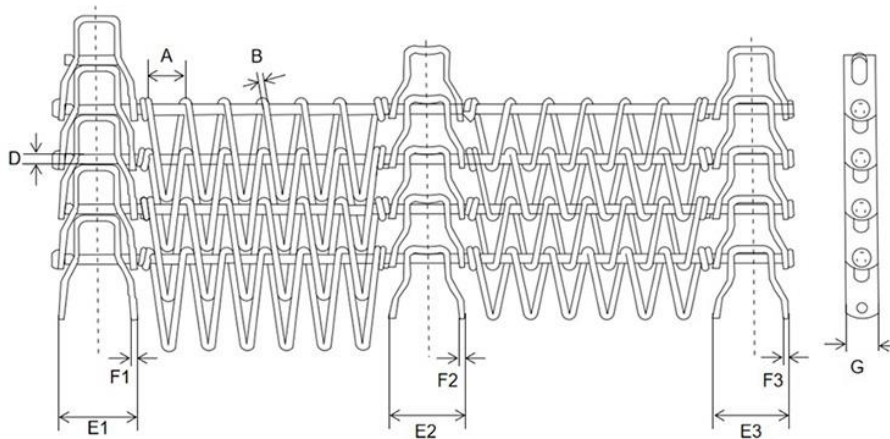
F: Edge Links Thickness (mm) F1 F2

G: Edge Links height (mm)

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Specifications of Flexible Rod Conveyor Belt with standard & heavy duty links	
Technical Specifications	Popular Value
Coil Wire Diameter	1.2mm, 1.4mm, 1.5mm, 1.6mm, 2.0mm
Cross Rod Diameter	4.9mm, 5.0mm, 5.9mm, 6.0mm
Edge Links Height	11.1mm, 12.7mm, 15mm
Cross Rod Pitch	19.1mm, 27.4mm, 30.5mm, 38.1mm
Available Widths: Curve/Spiral	304.8-1371.6 mm
Available Widths: Straight Run	304.8-1524 mm
Turn Ratio	1.6-2.5
Method of Drive	Sprocket driven on links
NOTE: Custom specification is available if you can't find the suitable size.	

**Radius Metal Belt with a extra link in the middle to fit a smaller turning radius**



Specifications of Flexible Rod Conveyor Belt with link in the middle	
Technical Specifications	Popular Value
Coil Wire Diameter	1.2mm, 1.4mm, 1.5mm, 1.6mm, 2.0mm
Cross Rod Diameter	4.9mm, 5.0mm, 5.9mm, 6.0mm
Edge Links Height	11.1mm, 12.7mm, 15mm
Cross Rod Pitch	19.1mm, 27.4mm
Available Widths	305-1219 mm
Turn Ratio	0.8-2.1
Method of Drive	Sprocket driven on links
NOTE: Custom specification is available if you can't find the suitable size.	



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## Applications

Whether used on spiral or straight conveyors, the Flexible Rod Belt is particularly suitable for cooking, cooling or freezing products such as bread, pastry, vegetables, potatoes, fish and meat. It can also be used for blanching vegetables, proofing dough, drying, baking or pasteurising.

Spiral Freezer Belt

Spiral Cooler Belt

Spiral Proofer Belt

Spiral Dryer Belt

Spiral Cooker Belt

Spiral Heating Belt

Turn Curve Transfer Belt

Transfer and Packaging Belts



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Flexible Rod Belt for Turn Curve Transfer Belt



Flexible Rod Belt for Spiral Proofer Belt



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## METAL CONVEYOR BELTS



Balanced Woven Conveyor Belts



Compound Weave Conveyor Belts



Chain Link Conveyor Belts



Flexible Rod Conveyor Belts



Flat Flex Conveyor Belts



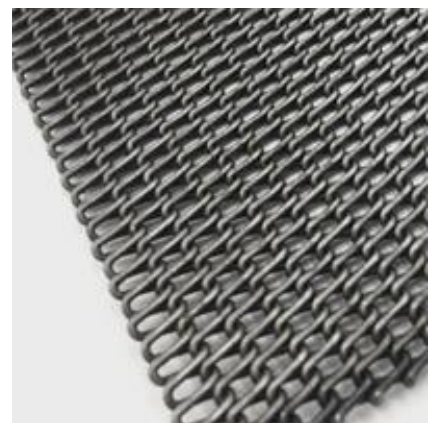
Eye Link Conveyor Belts



Honeycomb Conveyor Belts



Plate Link Conveyor Belts



Biscuit Baking Belts





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Ladder Conveyor Belts

## CONVEYOR BELT ACCESSORY



Sprockets



Chain links

Our policy is one of continuous improvement and we reserve the right to change specifications at any time and without notice or modify these to suit manufacturing processes

**Add:** No.1107, Floor 11, Dazhong Plaza, Yinhe Road, Guangyang District, Langfang, Hebei, China 065000

**Factory Add:** Industrial Park Zone of South Anping County, Hebei Province, China 053600

**Tel:** +86-2188808

**Mobile:** +86-15369679157

**E-mail:** info@pfmscreen.com

**Website:** www.industrialconveyorbelt.com

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