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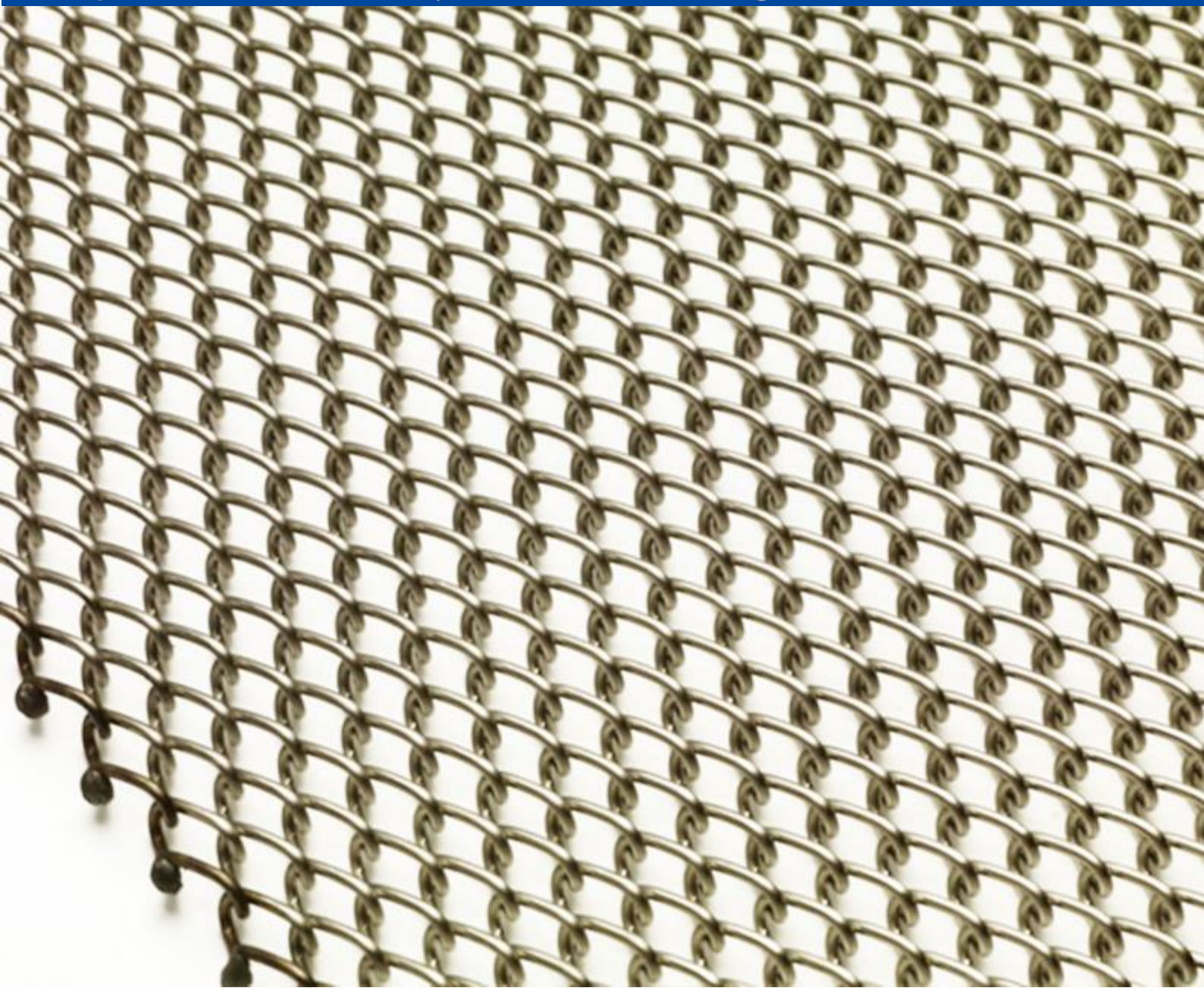
PROFESSIONAL WIRE BELTS MANUFACTURER

PFM SCREEN

Specialize In Wire Conveyor Belt Manufacturing And Solution.



Chain Link Conveyor Belts

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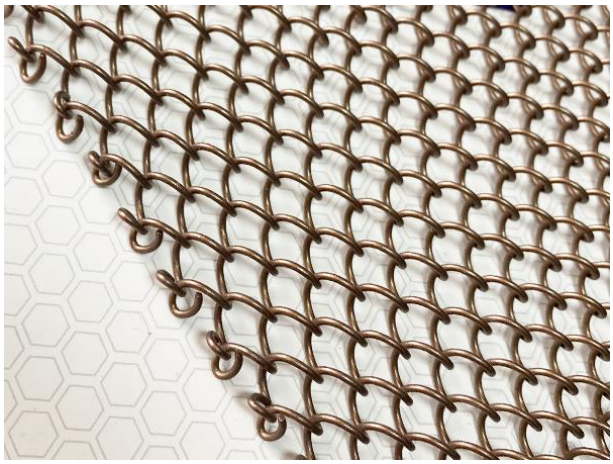
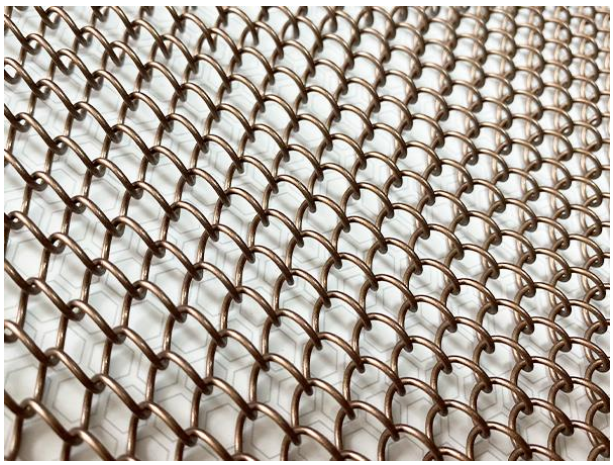
Overview



Chain Link Conveyor Belt, also named Wire Mesh Conveyor Belt or Conventional Mesh Conveyor Belt. Chain Link Conveyor Belt features a simplistic design, where successive spiral coils are interwoven to create an open mesh. Chain Link can be supplied with the edges either knuckled or welded. By keeping the belt design simple yet functional, PFM Screen's chain link conveyor belt offers end-users an economic and lightweight solution for low load conveying applications, suitable for light duty use in drying and cooling applications.



Chain Link Conveyor Belting consists of interwoven successive spiral wire, which looks like chain link fencing. This universal conveyor belt is the simplest wire belt but functional and economical in conveying light-duty applications. Owing to its large open area, chain link belt makes itself an ideal choice for drying, cooling and heating where energy efficiency is the most important.

The light belts of the wire mesh belt consist of belt segments linked with splicing rods. The individual elements consist of alternating right and left-hand round wire spirals in a flat oval or round form. The edges of the wire mesh belt are available in a welded or bent design.

Different from balanced weave belt consisting of alternating left-hand and right-hand spiral coils chain link conveyor belting is constructed by unidirectional coils. For a friction driven belt, the belt features alternating sections of left-hand then right-hand. To counteract the tracking issues caused by the unidirectional coil pattern, cross rods are inserted across the belts - one is right-hand woven and the other is right-hand woven.

Features of chain link conveyor belt

Simple structure. It is made of several spiral coils. Suitable for light-duty use in drying and cooling applications.

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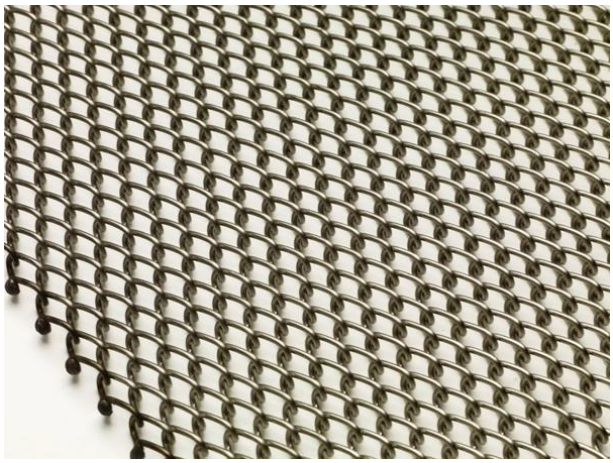
Economical. Economic and lightweight solution for low load conveying applications. The simple structure makes it economical than other types of conveyor belt.

Functional. The chain link conveyor belt is suitable for lifting, conveying lightweight products.

Different edge. We can supply welded or knuckled edge for your choice.

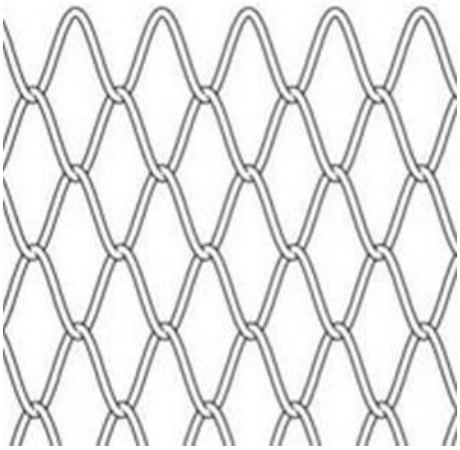
Baffles are available. Side and center baffles can be added to the conveyor belt. Baffles can prevent the products from falling down to the ground. It is also useful for sorting and conveying.

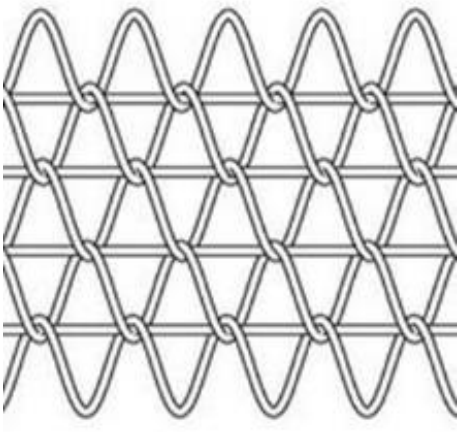
Chain link drive. The chain link drive pattern can ensure the smooth and high efficient working.



Belt Types

Chain Link Belt Without Rod Reinforced





Chain Link Belt With Rod Reinforced

Rod reinforced chain link belts are more stronger than conventional chain link belt as a result of the cross rods through the interconnecting spiral wires. Not only does the rods add strength to the belt, but also make the belt stable during conveying.

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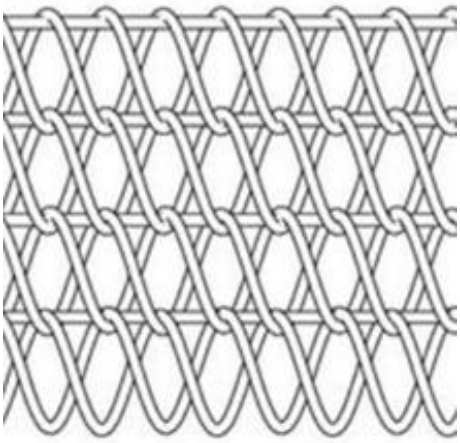
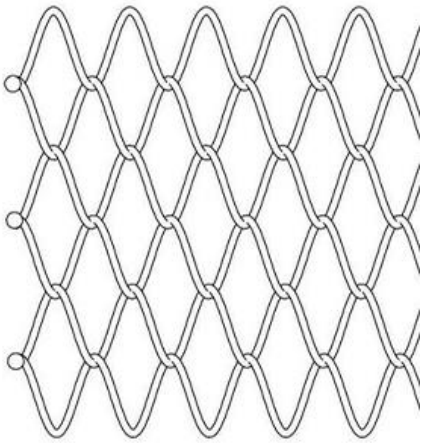
Chain Duplex Link Belt With Rod Reinforced

Apart from the standard rod reinforced chain link belt, there is also duplex Link Belt With Rod Reinforced, which has double interwoven spiral wires. This duplex version chain belt has smaller open area and more strength. Compared with universal chain link belt, rod reinforced chain link belt has wider applications because of its relatively heavy load ability, open area and economical cost.



Edge Availability

Chain link conveyor belt are available in different edge styles including welded, knuckled and chained. Other special edge finish is available on request.

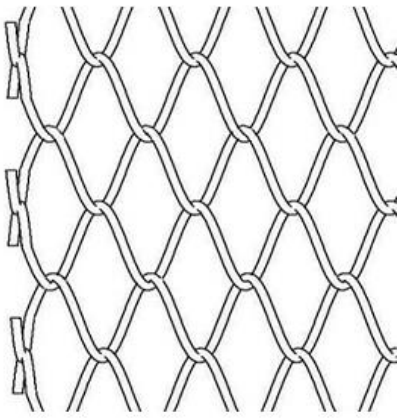


Welded Edge

At the belt edges the coil wires are looped together and welded. This is the most common and economical edge finish. This type of edge finish allows for relatively smooth finish to the belt edge and is the most economic version of this belt style.

Knuckled Edge

The end of each coil wire is bent back into a 'U' shape and then interlock with the adjacent coil. The 'U' form is then closed securely to form a permanent link with the next coil. This formation also allows greater flexibility of the belt edges and minimizes stress build up at these positions.



Chain Edge

Along with the mesh edge finishes these meshes can be driven by side chains using cross rods which are located through the mesh coils and then through chains at the edges of the mesh.

Material Availability

Material	Maximum Wire Operating Temperature °C
Carbon Steel	550
Galvanised Mild Steel	400
Chrome Molybdenum (3% Chrome)	700
304 Stainless Steel	750
321 Stainless Steel	750
316 Stainless Steel	800
316L Stainless Steel	800
314 Stainless Steel	1120
37/18 Nickel Chrome	1120
80/20 Nickel Chrome	1150
Inconel 600	1150
Inconel 601	1150

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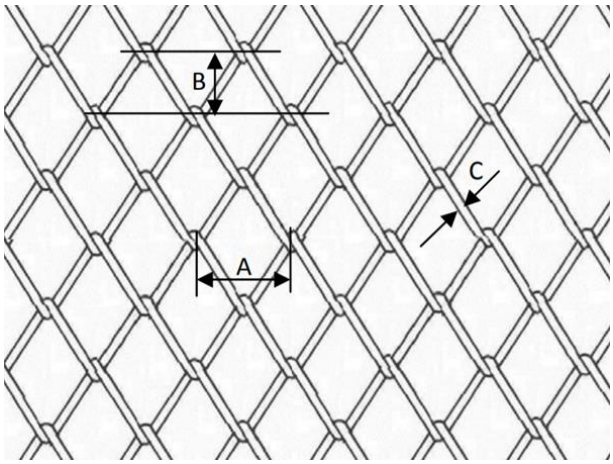
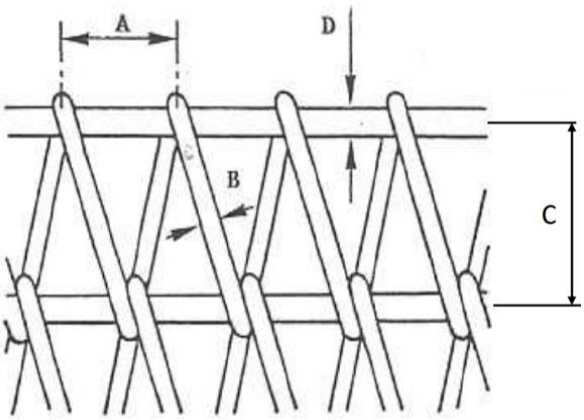
Specifications

Specifications of Chain Link Belt Without Rod Reinforced
These are designed to suit the customer requirements but in general are available in lateral coil wire pitches varying from 5.08mm to 25.4mm, combined with a variety of wire diameters and longitudinal pitches to suit the application.

Specifications of Standard Chain Link Belt

A: Lateral Coil Pitch (mm)
B: Longitudinal Coil Pitch (mm)
C: Wire Diameter (mm)





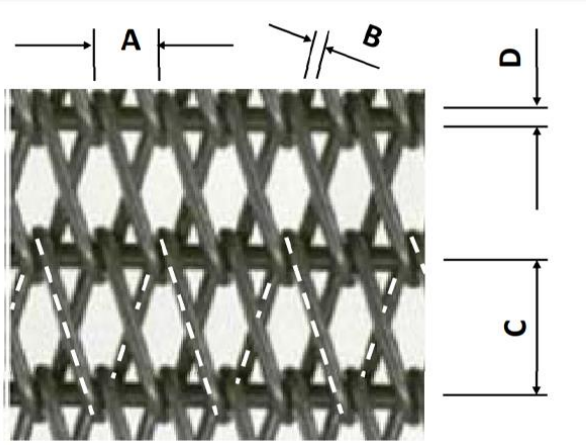
Specifications of Chain Link Belt With Rod Reinforced

A: Lateral Coil Pitch (mm)
B: Coil Wire Diameter (mm)
C: Longitudinal Cross Wire Pitch (mm)
D: Cross Wire Diameter (mm)

Specifications of Chain Link Belt with Rod Reinforced			
Lateral Coil Pitch (mm)	Coil Wire Diameter (mm)	Longitudinal Cross Wire Pitch (mm)	Cross Wire Diameter (mm)
16.93/15.24	2.03	16.93/19.05	2.64
	2.64		2.95
	2.95		3.25
	3.25		4.06
NOTE: Custom specification is available if you can't find the suitable size.			

Specifications of Chain Duplex Link Belt with Rod Reinforced

A: Lateral Coil Pitch (mm)
B: Coil Wire Diameter (mm)
C: Longitudinal Cross Wire Pitch (mm)
D: Cross Wire Diameter (mm)



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Specifications of Chain Duplex Link Belt With Rod Reinforced			
Lateral Coil Pitch (mm)	Coil Wire Diameter (mm)	Longitudinal Cross Wire Pitch (mm)	Cross Wire Diameter (mm)
8.47	2.03	16.93/19.05	2.64
	2.64		2.95
	2.95		3.25
	3.25		4.06
5.08	2.03	10.16	2.64
NOTE: Custom specification is available if you can't find the suitable size.			

Applications

- Annealing furnaces
- Conveyor machines
- Frosters
- Ovens
- Cleaning machines
- Drying ovens
- Frying facilities
- Refrigeration facilities

Chain Link Conveyor Belt for Frying facilities

Chain Link Conveyor Belt for Conveyor machines

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METAL CONVEYOR BELTS

Balanced Woven Conveyor Belts

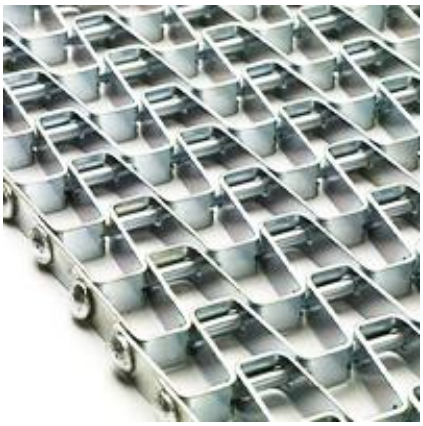
Compound Weave Conveyor Belts

Chain Link Conveyor Belts

Flexible Rod Conveyor Belts

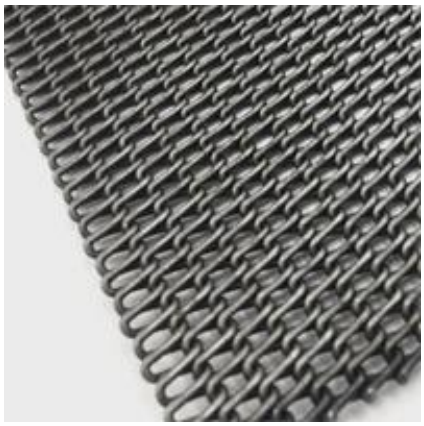
Flat Flex Conveyor Belts

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

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