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METAL CONVEYOR BELTS · PRODUCT DATA SHEET

Eye Link & Eye Flex Conveyor Belts

Formed wire links joined by cross rods provide a flat, open carrying surface. PFM SCREEN supplies six link configurations, matched drives and selected edge finishes for washing, baking, drying, cooling and other food or industrial processes.

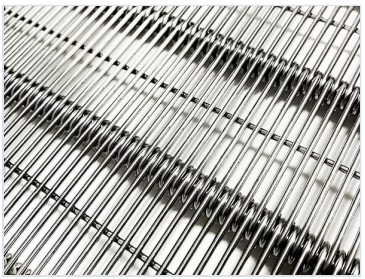
6 Link configurations	**3** Drive arrangements	**3** Edge arrangements
4 Standard material options	**Open Mesh** Airflow and drainage	**Custom** Gaps, width and accessories

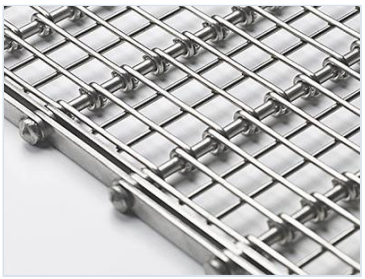


OVERVIEW

Rows of eye links and cross rods form a single-level carrying surface with dimensional stability, drainage and cleaning access. Select the link gap for the smallest product and the required process flow.

Wire size, pitch, cross rods, reinforcing plates, edges and support spacing are selected together. Conveyor alignment, load and maintenance influence service life.





FEATURES AND BENEFITS

01 Flat Support
A consistent carrying level supports suitable fragile or unstable products.

02 Open Construction
Allows air, water and oil passage; review joints and cleaning access.

03 Defined Openings
Six constructions provide different ways to control the gap.

04 Robust Assembly
Links, rods and optional reinforcing plates are selected for the duty.

05 Optional Accessories
Side guards and flights support containment, lanes or product positioning.

06 Repair Access
Links or modules may be replaceable; cross rods and end retainers govern access.

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01 LINK CONSTRUCTIONS

Choose the opening-control method for product support, drainage and cleaning.



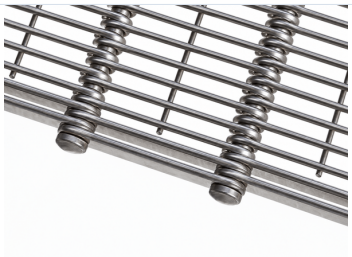
1.1 Full Eye Links

Adjacent links form a close mesh without separate spacers. The clear opening depends on wire size and link geometry.



1.2 Pressed Eye Links

Flattened eyes reduce the opening for smaller products. Confirm the finished clear gap.



1.3 Welded Eye Links

Underside location wires hold links in modules with a defined gap. Specify clear gap and tolerance separately.



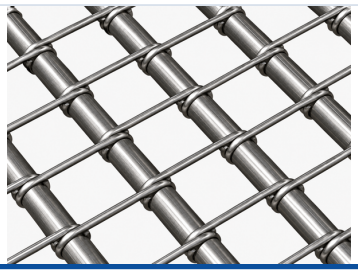
1.4 Pressed and Welded

Pressed eyes and welded positioning provide stable, close-spaced modules. Confirm flatness and support for the selected width.



1.5 Spring Spacers

Springs separate the links while allowing movement. Review compression, material, load and gap stability.



1.6 Bushings or Washers

Solid spacers establish a gap. Select size and material, allowing for belt mass and additional contact surfaces.

All constructions require support suited to belt width and load. Spacer-free construction does not mean an unsupported belt.

Selecting the complete link arrangement

Define the finished clear opening, smallest product size and load. Check rod access for repairs, edge retention and the complete conveyor support. Wider gaps improve process access only while the product remains adequately supported.

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02 DRIVE AND EDGE ARRANGEMENTS

2.1 Methods of drive



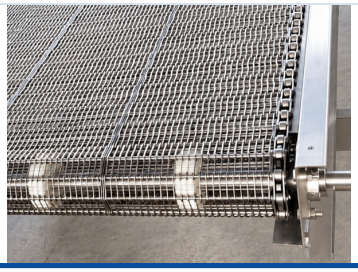
Cage Roller

Pitch-matched engagement distributes drive across the belt width. Confirm geometry; a cage roller is not a plain friction drum.



Positive Sprocket

Matched teeth engage eye links or rods according to construction. Confirm tooth profile, position and spacing.



Chain Edge

Hollow-pin side chains engage chain sprockets. Match chain/belt pitches, rod ends, guides and sprockets.

2.2 Edge availability



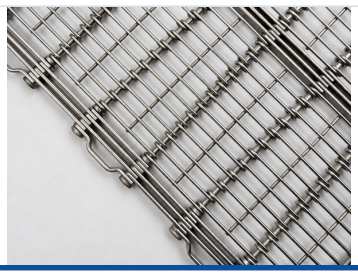
Welded Edge

Plate links form the sides; welded washers retain rod ends. Additional plate-link rows can reinforce selected positions.



Chain Edge

Hollow-pin chains are connected by cross rods and located with retaining rings or suitable shoulders.



Guide Plates Edge

Plates protect welded rod ends from rubbing. They are distinct from upright product-retaining side guards.

2.3 Side guards and cross flights



Side Guards

Specify thickness, height, profile, lane width and clearances. Intermediate guards can separate product lanes.



Cross Flights

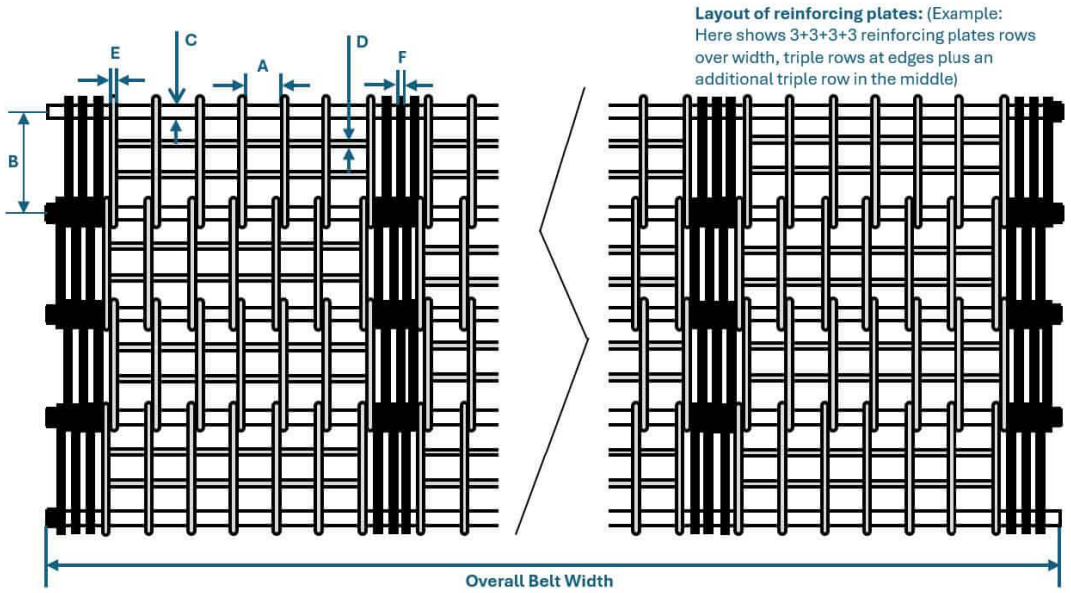
Specify thickness, height, width and repeat spacing. Confirm product position, incline, cleaning and return clearance.

03 MATERIALS AND DIMENSIONS

Material	Wire Reference Temperature
Carbon Steel	550°C
304 Stainless Steel	750°C
316 Stainless Steel	800°C
316L Stainless Steel	800°C

Wire reference values are not continuous-duty ratings for a loaded belt. Confirm temperature, duration, atmosphere, loading, thermal cycles and all assembly components.

3.1 Dimension identification



A Clear link gap (mm)	**B** Cross-rod pitch (mm)	**C** Cross-rod diameter (mm)
D Under-welded wire dia. (mm)	**E** Eye-link wire dia. (mm)	**F** Reinforcing plate thickness (mm)

Overall belt width is measured outside to outside and labelled separately. Also state usable carrying width and full-loop length. D and F apply only when those components are fitted.

The illustrated 3+3+3+3 arrangement has four groups of three reinforcing plate rows: two edge groups and two internal groups. Specify the required row count, positions and spacing.

Confirm your eye link construction

Send the type, complete dimensions, plate layout, material, edge arrangement, full-loop length and conveyor details. A marked drawing or sample helps identify the belt.

Request Custom Quote

Email Specifications

04 DIMENSIONAL COMBINATIONS

4.1 Without separate spacers

Item	Set 1: Pitch	Wire Dia.	Rod Dia.	Set 2: Pitch	Wire Dia.	Rod Dia.
ELCB01	15.875	1.80	3.20	50.00	3.00	5.00
ELCB02	25.00	2.00	5.00	50.80	1.60	8.00
ELCB03	25.40	2.00	5.00	50.80	1.60	6.00
ELCB04	30.00	1.60	4.00	50.80	2.00	8.00
ELCB05	30.00	2.00	4.00	50.80	2.50	8.00
ELCB06	30.00	2.00	5.00	50.80	2.50	5.00
ELCB07	30.00	2.00	7.00	50.80	3.00	5.00
ELCB08	30.00	2.00	8.00	50.80	4.00	7.00
ELCB09	31.75	2.00	5.00	60.00	2.00	5.00
ELCB10	50.00	1.40	5.00	60.00	2.50	5.00
ELCB11	50.00	1.60	5.00	70.00	4.00	7.00
ELCB12	50.00	2.00	5.00	75.00	2.50	5.00
ELCB13	50.00	2.50	6.00	75.00	2.50	8.00
ELCB14	50.00	2.50	8.00	100.00	3.00	8.00

All dimensions in mm. Each row contains TWO alternative complete combinations. Select one full set; do not mix dimensions between sets. 15.875 mm is the exact nominal pitch.

4.2 Under-welded wire spacing

Item	Pitch (mm)	Wire Dia. (mm)	Rod Dia. (mm)	Min. Gap (mm)	Gap Step (mm)	Max. Wires (count)
ECBWWS01	15.875	1.80	3.20	2.00	0.10	1
ECBWWS02	25.00	2.00	5.00	2.30	0.10	2
ECBWWS03	25.40	2.00	5.00	2.30	0.10	2
ECBWWS04	30.00	2.00	4.00	2.30	0.10	2
ECBWWS05	30.00	2.00	5.00	2.30	0.10	2
ECBWWS06	50.00	2.00	5.00	2.30	0.10	3
ECBWWS07	50.00	2.50	5.00	2.80	0.10	3
ECBWWS08	50.00	2.50	6.00	2.80	0.10	3
ECBWWS09	50.80	2.50	8.00	2.80	0.10	3
ECBWWS10	50.80	3.00	8.00	3.30	0.10	3
ECBWWS11	75.00	2.50	5.00	2.80	0.10	3
ECBWWS12	75.00	2.50	8.00	2.80	0.10	3

Gap step is a spacing increment, not a manufacturing tolerance. Maximum welded wires is a count. 15.875 mm is the exact nominal pitch.

04 DIMENSIONAL COMBINATIONS - CONTINUED

4.3 Springs as spacers

Item	Pitch (mm)	Wire Dia. (mm)	Rod Dia. (mm)	Min. Gap (mm)	Other Listed Gaps (mm)
ECBWSS01	25.00	2.00	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS02	25.40	2.00	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS03	30.00	2.00	4.00	7.00	8.00, 10.00, 12.00, 20.00
ECBWSS04	30.00	2.00	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS05	31.75	2.00	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS06	50.00	2.00	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS07	50.00	2.50	5.00	7.50	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS08	50.00	2.50	6.00	7.50	20.00
ECBWSS09	50.00	3.00	8.00	10.50	15.50, 20.00
ECBWSS10	50.80	2.00	6.00	7.00	-
ECBWSS11	50.80	2.00	8.00	8.00	-
ECBWSS12	50.80	2.50	6.00	7.50	20.00
ECBWSS13	50.80	2.50	8.00	10.00	15.00, 20.00
ECBWSS14	50.80	3.00	8.00	10.50	15.50, 20.00
ECBWSS15	50.80	4.00	8.00	12.00	-
ECBWSS16	60.00	2.50	5.00	7.00	8.00, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS17	60.00	2.50	5.00	7.50	8.50, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS18	70.00	4.00	7.00	12.00	-
ECBWSS19	75.00	2.50	5.00	7.50	8.50, 10.00, 12.00, 15.00, 17.50, 20.00
ECBWSS20	75.00	2.50	8.00	10.00	10.00, 15.00, 20.00
ECBWSS21	100.00	3.00	8.00	10.50	10.50, 15.50, 20.00

Each row is one complete configuration. A dash means no additional gap is listed, not zero. Alternative gaps are listed only where provided in the source.

Match a listed specification

Include construction name, item number and all dimensions. For the spacer-free table also identify Set 1 or Set 2. Confirm final availability, tolerances and operating conditions.

Request Custom Quote

Email Specifications

04 DIMENSIONAL COMBINATIONS - CONTINUED

4.4 Rings as spacers

Item	Pitch (mm)	Wire Dia. (mm)	Rod Dia. (mm)	Min. Gap (mm)	Gap Increment (mm)
ECBWR01	25.00	2.00	5.00	4.00	2.00
ECBWR02	25.40	2.00	5.00	4.00	2.00
ECBWR03	30.00	2.00	4.00	4.00	2.00
ECBWR04	30.00	2.00	5.00	4.00	2.00
ECBWR05	31.75	2.00	5.00	4.00	2.00
ECBWR06	50.00	2.00	5.00	4.00	2.00
ECBWR07	50.00	2.50	5.00	5.00	2.50
ECBWR08	50.00	2.50	6.00	5.00	2.50
ECBWR09	50.80	2.50	6.00	5.00	2.50
ECBWR10	50.80	2.50	8.00	5.00	2.50
ECBWR11	50.80	4.00	8.00	8.00	4.00
ECBWR12	60.00	2.00	5.00	4.00	2.00
ECBWR13	60.00	2.50	5.00	5.00	2.50
ECBWR14	75.00	2.50	5.00	5.00	2.50
ECBWR15	75.00	2.50	8.00	5.00	2.50

Custom gaps and belt dimensions can be reviewed against the product and conveyor.

05 TYPICAL APPLICATIONS



Tunnel Freezing



Drying



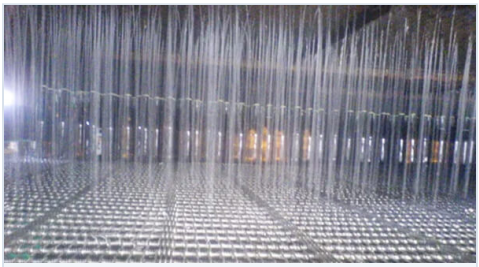
Washing



Blanching



Baking



Pasteurizing

Other reported duties include cooling, cooking, seafood freezing, deep-frying and drainage. Match the link gap, product size, process medium, load, temperature and cleaning method to the complete system.

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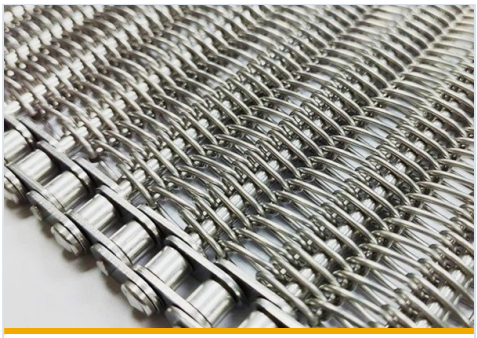
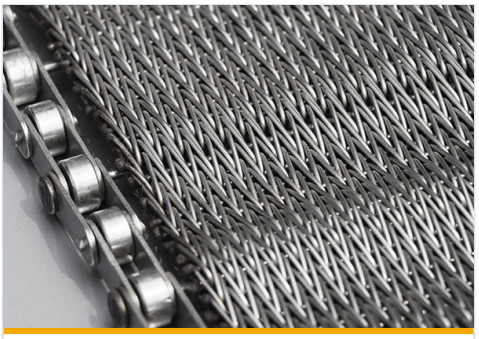
OUR COMPLETE PRODUCT RANGE

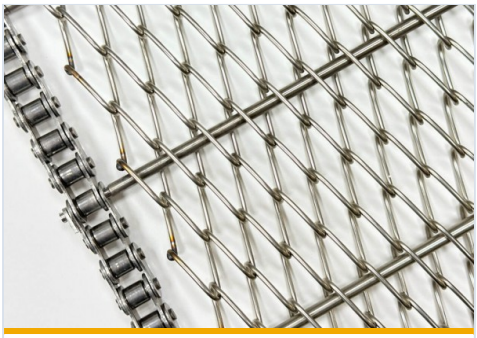
Factory-direct metal conveyor belts and matched drive components — click any product to view full specifications online.



01 Balanced Spiral Woven Belts



02 Compound Weave Belts



03 Chain Link Conveyor Belts



04 Flat Flex & Enrober Belts



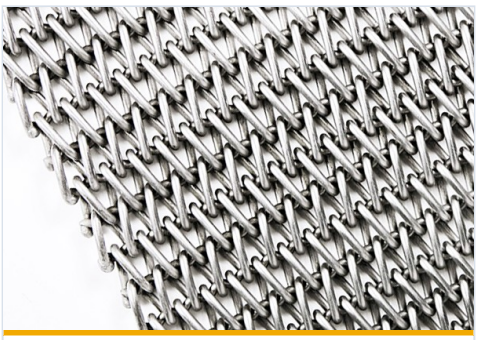
05 Eye Link & Eye Flex Belts



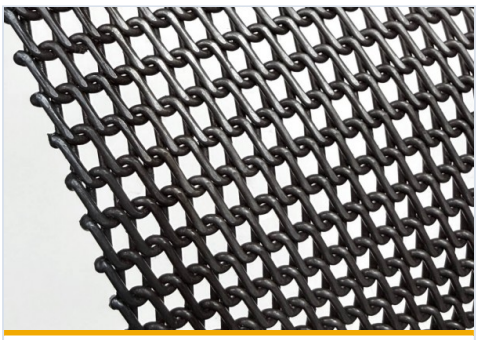
06 Honeycomb & Flat Wire Belts



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



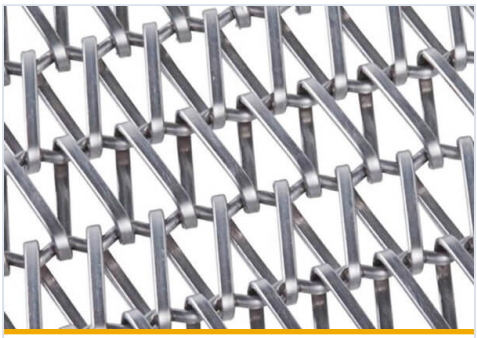
13 Edge Drive Spiral Freezer Belts



14 Ladder Conveyor Belts



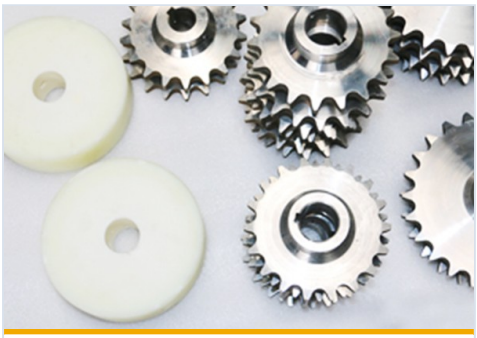
15 Woven Rod Bar Conveyor Belts



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

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