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METAL CONVEYOR BELTS · PRODUCT DATA SHEET

Veneer Dryer Wire Mesh Belts

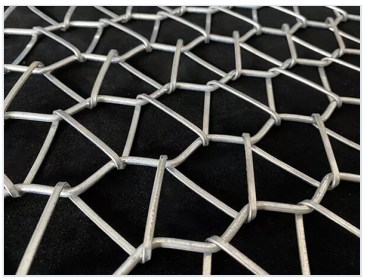
Spiral wire mesh screens support and convey veneer through compatible belt-type dryers. PFM SCREEN supplies flat and round spiral wire constructions for upper hold-down and lower carrying positions, with width, mesh, material and edge finish matched to each dryer circuit.

3,500.00 mm Maximum width including edges	**2** Spiral wire profiles	**4** Edge configurations
16 + 4 Flat / round listed models	**Upper / Lower** Hold-down and carrying	**Open-Ended** Normal supply form

OVERVIEW

Spiral wires connected by cross rods support veneer while drying air passes through the mesh. The specification balances sheet support, contact and airflow.

Upper hold-down and lower carrying belts are matched to their own running paths and dimensions. Drying uniformity and veneer flatness depend on the full dryer, including airflow, temperature, support and tracking.



KEY FEATURES

01 Open Mesh
Selected spacing admits drying air and supports the veneer.

02 Wire Profile Choice
Flat or round spirals matched to contact and mesh requirements.

03 Custom Width
Up to 3,500.00 mm across the complete finished belt.

04 Four Edge Finishes
Match geometry, guide clearances and original construction.

05 Two Belt Positions
Upper hold-down and lower carrying circuits specified separately.

06 Prepared Joining Rods
Normally supplied open-ended for installation joining.

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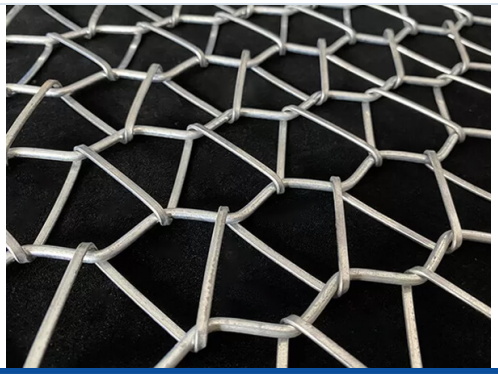
01 WIRE PROFILES, EDGES AND MATERIALS

1.1 Spiral wire profiles



Flat Spiral Wire

Broader contact face; specify finished width × thickness. Chain-reinforced variants require separate chain/attachment details.

Round Spiral Wire

Circular cross-section; specify diameter with spiral pitch, cross-rod pitch and rod diameter.

1.2 Side-edge finishes

Welded

Spiral and rod ends secured by welding at the sides.

Laddered

Rod ends formed into a ladder-style loop arrangement.

Hook

Hooked wire ends retain the sides; match shape and clearance.

Laddered and Welded

Formed ladder-style edge combined with welded fixing.

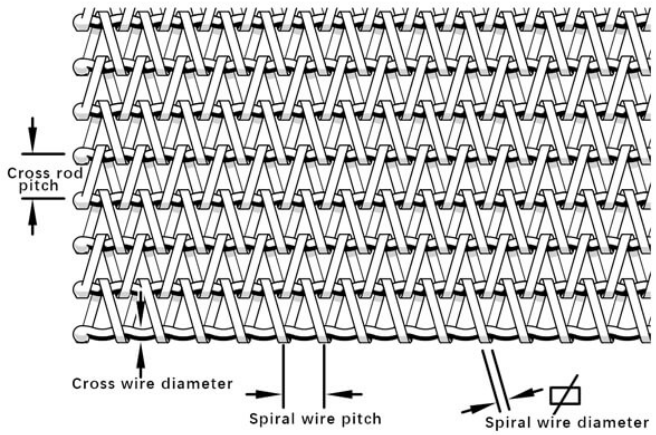
1.3 Material options

Material	Selection considerations
SS304	Review dryer temperature, moisture and cleaning.
SS316 / SS316L	For appropriate corrosion conditions; confirm chemicals and temperature.
Galvanized Steel	Confirm coating type and permissible continuous temperature.
Carbon Steel	Where permitted by the dryer; review corrosion, surface and possible staining.

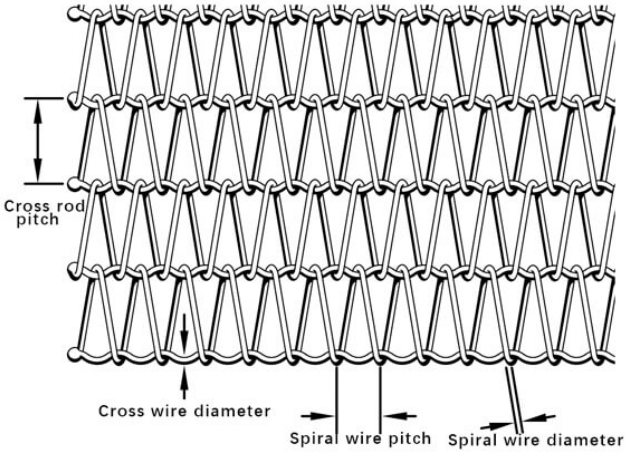
Allowable temperature depends on grade, construction, working tension and dryer conditions. Provide normal/maximum zone temperatures and take-up allowance.

02 MESH DIMENSIONS AND FLAT-WIRE MODELS

2.1 Mesh reference drawing



2.2 Mesh pitch identification



All dimensions are in mm. Identify spiral pitch and cross-rod pitch separately. Flat wire is specified by finished width × thickness; round wire by diameter. Pitch and clear opening are different measurements.

2.3 Flat spiral wire specifications

Item	Spiral Pitch (mm)	Rod Pitch (mm)	Wire Width × Thickness (mm)	Rod Dia. (mm)
VDB-F-001	25.00	35.00	2.50 × 1.20	3.10
VDB-F-002	33.30	35.00	2.50 × 1.20	3.10
VDB-F-003	20.00	25.00	2.50 × 1.20	3.10
VDB-F-004	25.00	25.00	2.50 × 1.20	3.10
VDB-F-005	15.00	25.00	2.50 × 1.20	3.10
VDB-F-006	12.00	25.00	2.50 × 1.20	3.10
VDB-F-007	8.50	16.00	2.00 × 1.00	2.80
VDB-F-008	15.00	20.00	2.00 × 1.00	2.80
VDB-F-009	6.50	15.00	2.00 × 1.00	1.80
VDB-F-010	8.50	17.00	2.00 × 1.00	1.80
VDB-F-011	6.50	10.00	1.80 × 1.10	2.00
VDB-F-012	7.50	12.00	1.80 × 1.10	2.00
VDB-F-013	6.50	10.00	1.80 × 1.10	1.80
VDB-F-014	5.50	10.00	1.80 × 1.10	1.80
VDB-F-015	5.10	6.40	1.40 × 0.70	1.60
VDB-F-016	4.50	6.00	1.40 × 0.70	1.60

Each row is one listed combination. Also confirm width, length, material, edge and installation position.

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03 ROUND-WIRE MODELS AND JOINING

3.1 Round spiral wire specifications

Item	Spiral Pitch (mm)	Rod Pitch (mm)	Spiral Wire Dia. (mm)	Rod Dia. (mm)
VDB-R-001	8.50	15.00	1.60	2.00
VDB-R-002	12.00	15.00	1.60	2.00
VDB-R-003	6.50	17.00	1.40	1.60
VDB-R-004	8.50	17.00	1.40	1.60

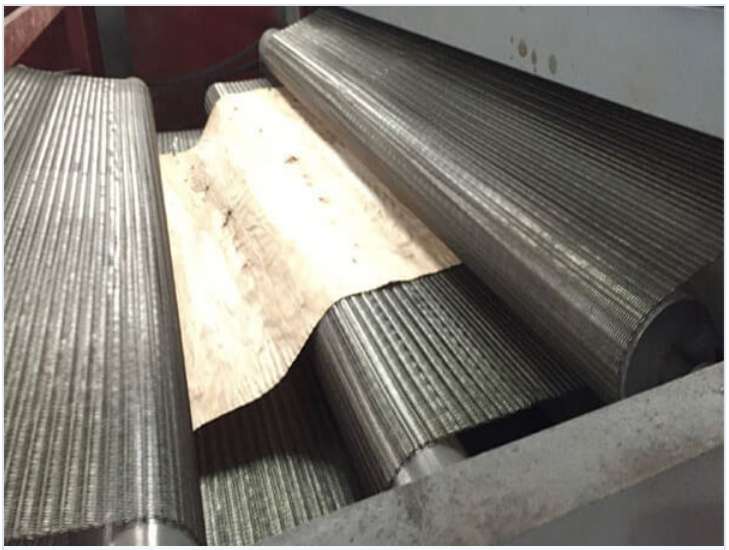
Custom meshes can be reviewed from a drawing or sample. Chain-reinforced variants need chain and attachment details.

3.2 Dimensions and normal supply

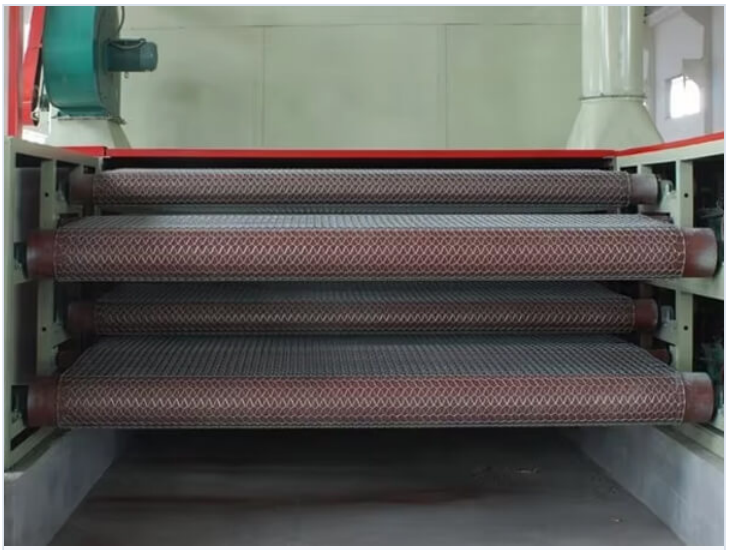
Maximum overall width is 3,500.00 mm, including both finished edges. Full-loop length is matched to the complete belt circuit; dryer chamber length alone is insufficient.

Belts are normally supplied open-ended with prepared connecting cross rods. During installation, the joining rod connects the belt ends and its ends are secured by welding at the sides. Side-edge finish and end-to-end joint are separate specifications.

04 VENEER DRYING APPLICATIONS



Veneer Drying



Belt-Type Drying Line

01 Plywood
Support face, core and back veneers before plywood assembly.

02 LVL
Carry veneer before adhesive application and laminated lay-up.

03 Decorative Veneer
Review mesh contact, support and cleanliness for surface quality.

In single- or multi-deck dryers, specify each circuit separately. Upper and lower belts may have different lengths and meshes.

Match the belt to your veneer dryer

Send position, overall width, full length, model or mesh dimensions, both edges and joint photos, veneer thickness and dryer conditions.

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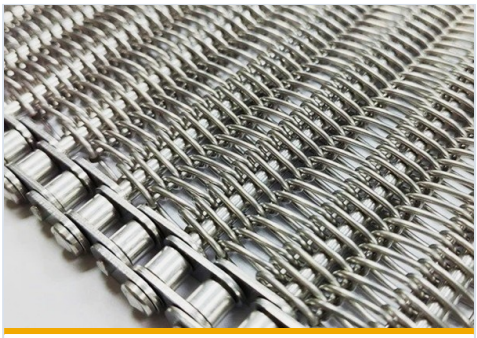
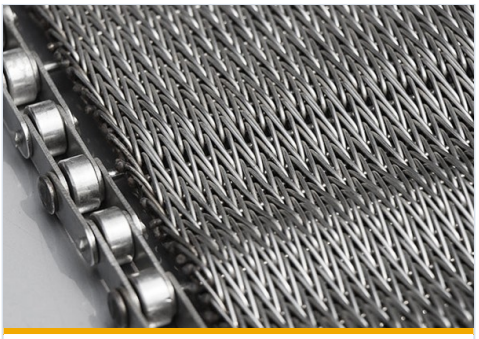
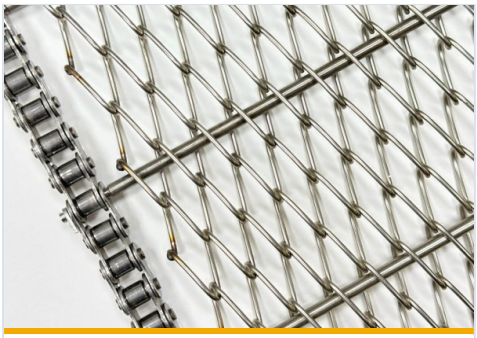
Factory-direct metal conveyor belts and matched drive components — click any product to view full specifications online.



01 Balanced Spiral Woven Belts



02 Compound Weave Belts



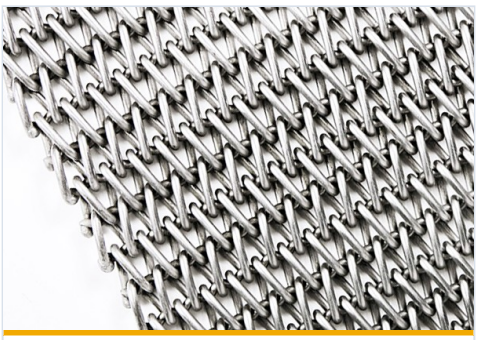
03 Chain Link Conveyor Belts

04 Flat Flex & Enrober Belts

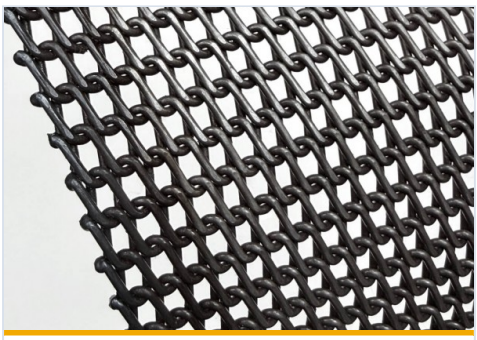
05 Eye Link & Eye Flex Belts

06 Honeycomb & Flat Wire Belts

07 Plate Link & Hinged Steel Belts



08 Wire Mesh Lehr Belts



09 Biscuit Baking Belts

10 Spiral Freezer Belts

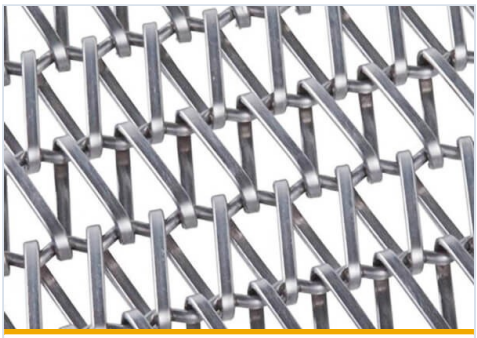
11 Flexible Rod Conveyor Belts

12 Self-Stacking Spiral Belts

13 Edge Drive Spiral Freezer Belts

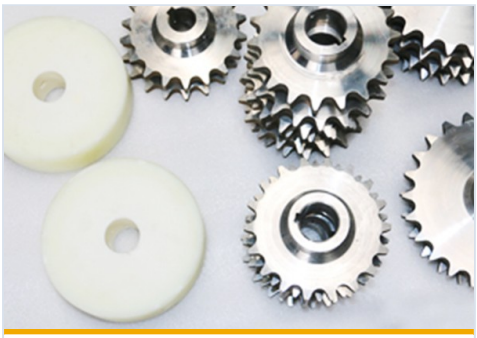
14 Ladder Conveyor Belts

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
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