

Laminated Belt (R-Omniflex)

Positive-drive modular eye-link belt with a large open area, from -40°C to 400°C .

The belt consists of eye links formed from wire, held at a fixed spacing by a cross wire to form a module. Modules are joined by cross rods passing through the eye links, with double bar links along both edges. Rod ends are secured with a hot upset.

The result is a positive-drive belt with no slip, a large open area and a smooth carrying surface — easy to clean and well suited to freezing, washing and baking.

Construction

Wire eye-link modules spaced by cross wires, joined with cross rods and double bar links at both edges; rod ends hot-upset.

Key data

Item	Detail
Materials	Carbon steel, Stainless steel T304, T316, Low-carbon T304L / T316L recommended for freezing environments, Other materials on request
Wire	Eye-link wire: 2 mm, 2.5 mm, 3 mm, 3.5 mm
Temperature	-40°C to 400°C
Edges	Double bar links (standard)
Applications	Tunnel freezers, Drying, Accumulation and handling, Washing and sterilising, Ovens

Defining characteristics

Characteristic	Value
Belt pitch	30 mm (1.18 in), 50 mm (1.97 in), 50.8 mm (2.0 in), 75 mm (2.95 in)
Eye-link wire diameter	2 mm (0.079 in), 2.5 mm (0.098 in), 3 mm (0.118 in), 3.5 mm (0.138 in)
Width limits	100 mm (3.94 in) to 6000 mm (236.2 in)
Variable mesh (minimum)	Wire diameter + 0.5 mm (0.020 in)
Conveying surface	Overall belt width – 7 mm (0.276 in)
Turn capability	Straight run only
Temperature range	-40°C (-40°F) to 400°C (752°F)

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