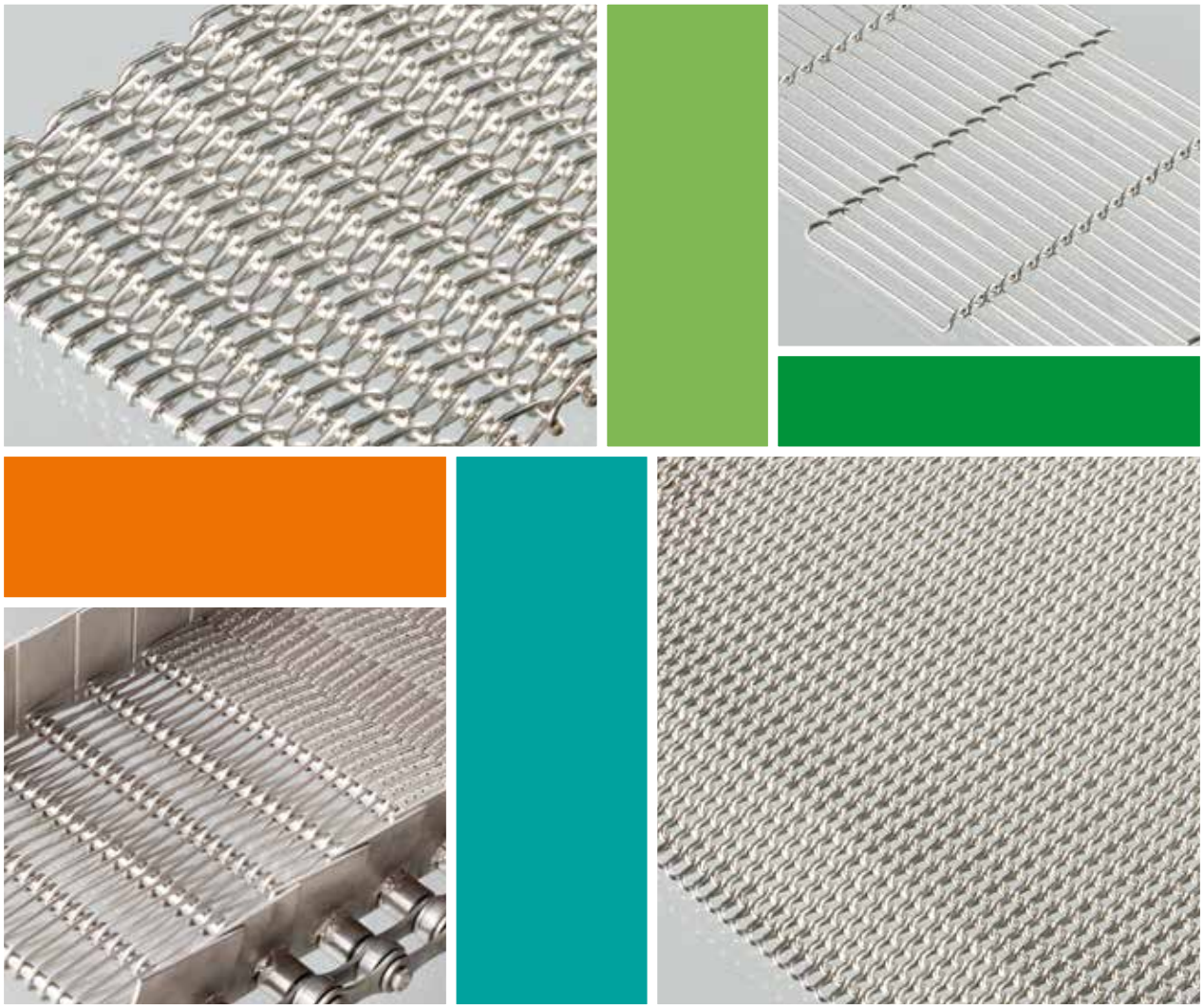
Wire Mesh Conveyor Belts



Delivery Program

STEINHAUS

Wire Mesh Conveyor Belts

Deep frying

Baking

Heat treatment and coating

Belt Type Overview

Flat wire link belts

Wire eyelet link belts (OGB) - slot secured

Round wire link belts

Crossrod belts

Flat wire braided link belts

Honeycomb belts

Round wire braided link belts

Double spirals belts

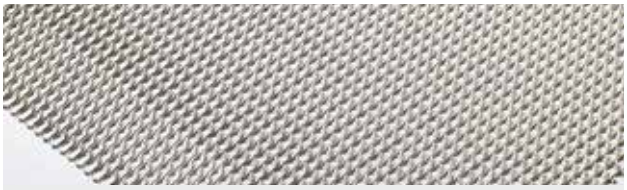
Braided wire belts

Single spiral belts

Woven rod bar belts

Multiple spiral belts

Braided rod belts (Enrobing belts)



Rolled baking oven belts

Wire eyelet link belts (OGB)

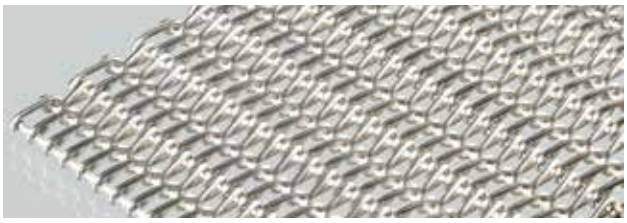
Combined structure belts

Belt Characteristics

Flat wire link belts	Group 100
Features	Flat wire spirals, densely braided in opposit senses; smooth or ribbed cross-rods; looped or bent edges
Specification	Spiral: 1,0 x 0,7 to 6,0 x 3,0 mm Crossrod: 1,2 bis 8,0 mm Ø Crossrod pitch: 6,0 to 63,0 mm
Width	up to 5.000 mm
Materials	Mild steel - plain, galvanised or tinned, MnS-steel, LS-steel, chrome steel, chrome nickel steel, yellow brass, phosphor bronze, heat-resistant special alloy steel qualities
Temperature	from -100 °C up to +1.200 °C
Application	Continuous furnaces for annealing, heat treatment and brazing; drying plants; general conveyor tasks with high load impacts

Round wire link belts	Group 200
Features	Round wire spirals, densely braided in opposite senses; smooth or ribbed crossrods; looped or bent edges
Specification	Spiral: 0,7 to 5,0 mm Ø; Crossrod: 1,2 bis 8,0 mm Ø Crossrod pitch: 6,0 bis 63,0 mm
Width	up to 5.000 mm
Materials	as group 100
Temperature	from -100 °C up to +1.200 °C
Application	Continuous furnaces for annealing, heat treatment and brazing; drying plants; conveyance of casings, elevator belts, lifting belts

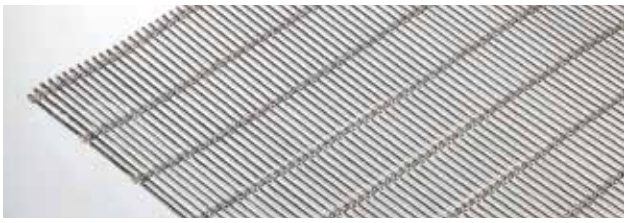
Braided link belts (flat wire)	Group 300
Features	Flat wire spirals, widely braided in opposite senses corrugated crossrods; looped, bent or welded edges
Specification	Spiral: 1,0 x 0,7 to 6,0 x 3,0 mm; Crossrod: 1,2 to 8,0 mm Ø Spiral wire pitch: 2,0 to 50,0 mm Crossrod pitch: 2,7 to 80,0 mm
Width	up to 6.000 mm
Materials	as group 100
Temperature	from -100 °C up to +1.200 °C
Application	Glass annealing furnaces, baking ovens, roasting kilns, briquet cooling, veneer and cardboard driers



Braided link belts (round wire)	Group 400
Features	Round wire spirals, widely braided in opposite senses corrugated crossrods looped; bent or welded edges
Specification	Spiral: 0,7 to 5,0 mm; Crossrod: 1,2 to 8,0 mm Ø Spiral wire pitch: 2,0 to 50,0 mm Crossrod pitch: 2,7 to 80,0 mm
Width	up to 6.000 mm
Materials	as group 100
Temperature	from -100 °C up to +1.200 °C
Application	Veneer driers, baking ovens, roasting kilns, glass annealing furnaces for round-glass and pressed glass, briquet cooling, deep freezing installations

Belt Characteristics

Braided wire belts	Group 500 / 550
Features	Round wire spirals, flat oval (500) resp. round (550) spiral shape, made from parts braided in opposite senses, normal S-type edge or single resp. multipressed edges
Specification Mesh opening	Spiral group 500: 0,9 bis 5,0 mm Ø, Spiral group 550: 0,71 bis 1,25 mm Ø Group 500: 3,0 to 40,0 mm, Group 550: 1,5 to 3,0 mm
Width	Group 500: up to 5.500 mm, Group 550: up to 3.000 mm
Materials	Mild steel - plain, galvanised or tinned, MnS-steel, chrome steel, chrome nickel steel, phosphor bronze, yellow brass
Application	For conveying of light weight products such as cell wool, tobacco, glass wadding; for annealing, cooling, baking and roasting applications; sugar confectionary, roasted products and matches



Woven rod bar belts	Group 600
Features	Smooth crossrods, interconnected by wire healds, cut edges, also with reinforced heald arrangement
Specification Mesh opening	Crossrod: 1,5 to 2,5 mm Ø 8,0 to 24,0 mm
Width	up to 3.100 mm
Materials	Crossrods: Mild steel - plain, galvanised or tinned, chrome steel, chrome nickel steel Healds: cast steel wire, galvanised or tinned chrome steel, chrome nickel steal
Temperature	max. 400 °C
Application	Conveying and drying light weight goods such as soap slices, green fodder, tobacco, vegetables, potatoes, fibres, hops, raisins, etc

Braided rod belts (Enrobing belts)	Group 700
Features	Crossrods from crimped thin round wires, bent and hooked between each other; with or without sprocket edge as rim reinforcement and guide in a sprocket wheel
Specification	Crossrod: 0,9 to 4,0 mm Ø Wire pitch: 4,0 to 19,0 mm Width pitch: 19,0 to 200,0 mm
Width	up to 2.500 mm
Materials	Mild steel - plain, galvanised or tinned, spring steel wire to EN 10270-1, chrome steel, chrome nickel steel, special qualities on demand
Temperature	from -100 °C up to + 400 °C
Application	For light weight conveying only, as coating grid for chocolate, confectionary and biscuits

Wire eyelet link belts (OGB)	Group 800
Features	Double eyelet links from round or flat wire; crossrods from round wire; edges welded, brazed, riveted or bolted
Specification	Eyelet link: 1,5 to 4,0 mm; Crossrod: 4,0 to 12,8 mm Ø Slot width: 0,8 to 50,0 mm Crossrod pitch: 19,0 to 150,0 mm
Width	up to 6.000 mm
Materials	Mild steel - plain, galvanised or tinned, MnS-steel, chrome steel, chrome nickel steel, yellow brass, phosphor bronze
Temperature	from -100 °C up to + 1.200 °C
Application	For drying, cooling, washing and dewatering installations, to convey chocolate, sweets, cans, in the beverage industry and filter installations

Belt Characteristics

Wire eyelet link belts (OGB) - slot secured	Group 850
Features	Double eyelet links from round or flat wire; crossrods from smooth round wire; edges welded, brazed, riveted or bolted with slot securing cross wires
Specification	Eyelet link: 1,5 to 4,0 mm Crossrod: 4,0 to 12,0 mm Ø Slot width: 0,8 to 50,0 mm Crossrod pitch: 19,0 to 150,0 mm
Width	up to 6.000 mm
Materials	Mild steel - plain, galvanised or tinned, MnS-steel, chrome steel, chrome nickel steel, yellow brass, phosphor bronze
Temperature	from -100 °C up to + 1.200 °C
Application	For drying-, cooling-, washing - and dewatering-installations, to convey chocolate, sweets, preserves, in the beverage industry and filter installations

Crossrod belts	Group 900
Features	Belts from straight crossrods, partially guided with lateral side chains, light execution, with or without filter fabric of groups 100 - 4000
Specification	Crossrods: 3,2 to 8,0 mm Ø Chain pitch: 12,7 to 101,6 mm Crossrod pitch: 5,0 to 50,8 mm
Width	up to 2.000 mm
Materials	Mild steel - plain, galvanised or tinned, spring steel wire to EN 10270-1, chrome steel, chrome nickel steel, special qualities on demand
Temperature	from -100 °C up to + 400 °C
Application	Transport of light to medium weight goods, for washing, cooling, drying

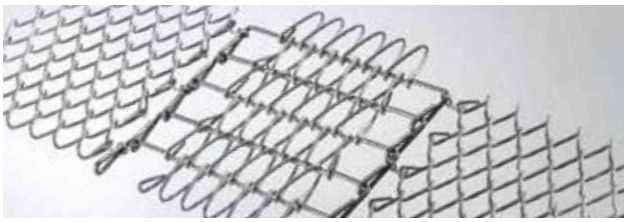
Honeycomb belts	Group 1000
Features	Horizontal trapezoidially corrugated honeycomb elements with smooth crossrods; welded, bent or brazed edges
Specification	Honeycomb lateral pitch: 31 to 43,5 mm Honeycomb longitudinal pitch: 25 to 30 mm Sheet sizes: 10x1,2; 12x1,2; 15x1,5 mm Crossrods: 2,5 mm to 5,0 mm Ø
Width	up to 5.000 mm
Materials	Mild steel - plain or galvanised, chrome steel, chrome nickel steel
Temperature	from - 100 °C up to + 600 °C
Application	Conveying, washing, cooling

Double spiral belts	Group 1100
Features	Round wire spirals of group 500, double inserted with additional plain crossrods, dense execution, one-sided braided pattern and welded edges
Specification	Spiral: 1,0 to 4,5 mm Ø Crossrod: 1,2 bis 3,2 mm Ø Spiral pitch: 2,5 to 11,0 mm Crossrod pitch: 3,3 to 20,0 mm
Width	up to 1.500 mm
Materials	Mild steel - plain, galvanised or tinned, chrome steel, chrome nickel steel, heat resisting steel qualities
Temperature	max. 1.200 °C
Application	Dry baked goods, cookies, biscuits, drying kilns

Belt Characteristics

Single spiral belts	Group 1300
Features	Round wire spirals of group 400, braided as group 500, one-sided single insertion, with additional plain crossrods, open execution, with joined edge (spirals pressed, crossrods welded to spirals)
Specification	Spiral: 0,8 to 3,2 mm Ø Crossrod: 0,8 to 4,5 mm Ø Spiral pitch: 3,5 to 22,0 mm Crossrod pitch: 1,8 bis 22,0 mm
Width	up to 1.500 mm
Materials	as group 1100
Temperature	max. 1.200 °C
Application	Continuous ovens for annealing, heat treatment and brazing etc.; drying kilns, cooling lines

Multiple spiral belts (V-belts)	Group 3000 / 4000
Features	Flat or round wire spirals of groups 300 and 400, multiple inserted, with smooth crosrods, very dense execution, plain surface; welded edges
Specification	Spiral: as groups 300 / 400 Crossrod: as groups 300 / 400 Spiral pitch: as groups 300 / 400 Crossrod pitch: as groups 300 / 400
Width	up to 3.000 mm
Materials	Mild steel - plain or galvanized, chrome steel, chrome nickel steel
Temperature	max. 1.200 °C
Application	Conveying granulates, chocolates, crackers, sweets, light semi steel and sinter products



Rolled baking oven belts	
Features	Round wire spirals as per group 500, rolled, small overall thickness, flat surfaces, welded edges
Specification	Spiral: 1,0 to 1,8 mm Ø Belt thickness: 1,8 to 3,5 mm
Width	up to 1.800 mm
Materials	special mild steel, chrome nickel steel (food industry approved)
Temperature	max. 400°C
Application	Dry baked goods as biscuits, gingerbread, cookies and crackers

Combined structures belt	
Features	Center part made of group 400 with hinge like side parts of group 500, which allow a crosswise hutching; non-slip traction by sprocket wheels
Specification	as per group 400 and 500
Width	up to 2.000 mm
Materials	Mild steel - plain or galvanized, stainless steel 1.4301
Temperature	max. 1.200 °C
Application	Belt filter installation

Delivery Program

Screen Panels

Screen panels made of polyurethane & steel
System screen modules
Wire mesh
Perforated plates

OPTIMA

Wedge wire panels
Plain sieve panels
Sieve bends
Slotted screen baskets
High precision filter tubes
Industrial filter media

Wire Mesh Conveyor Belts

Woven & braided wire mesh belts
Rolled baking oven belts (Z-belts)
CLEANBELT device for belt cleaning

LuCoTec Air Spring System

Air spring systems for screening machines & other vibrating machines

MULTOTEC - Process Equipment

Slurry Pumps
Cyclones
Spirals

Contact us for **on-site consultation** by our experienced **field engineers.**

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