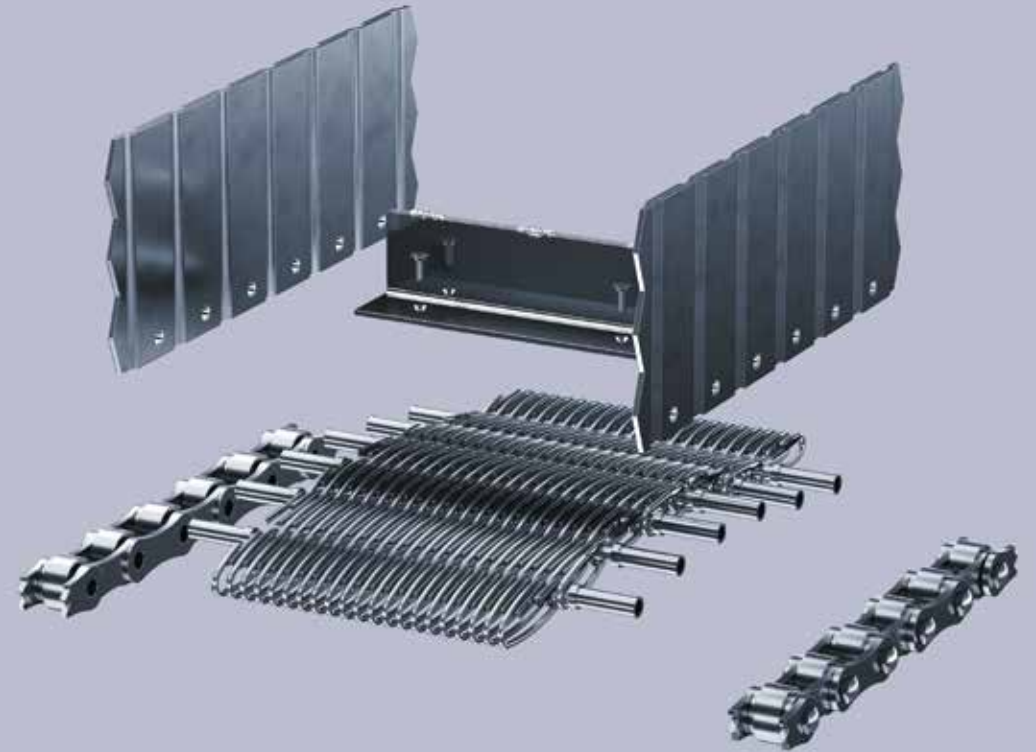


CUSTOM-MADE BELT SOLUTIONS

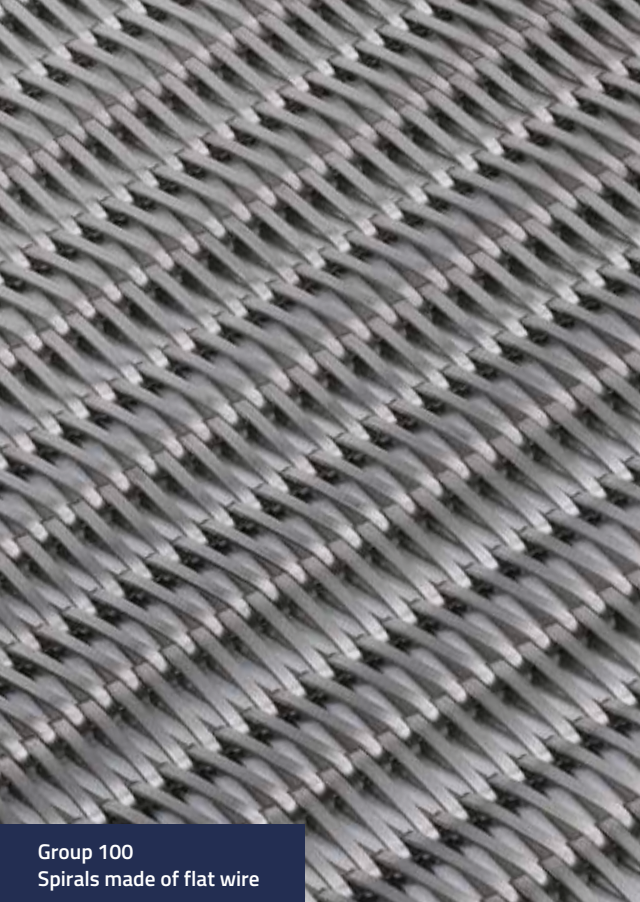
Conveyor belts from HEIN, LEHMANN



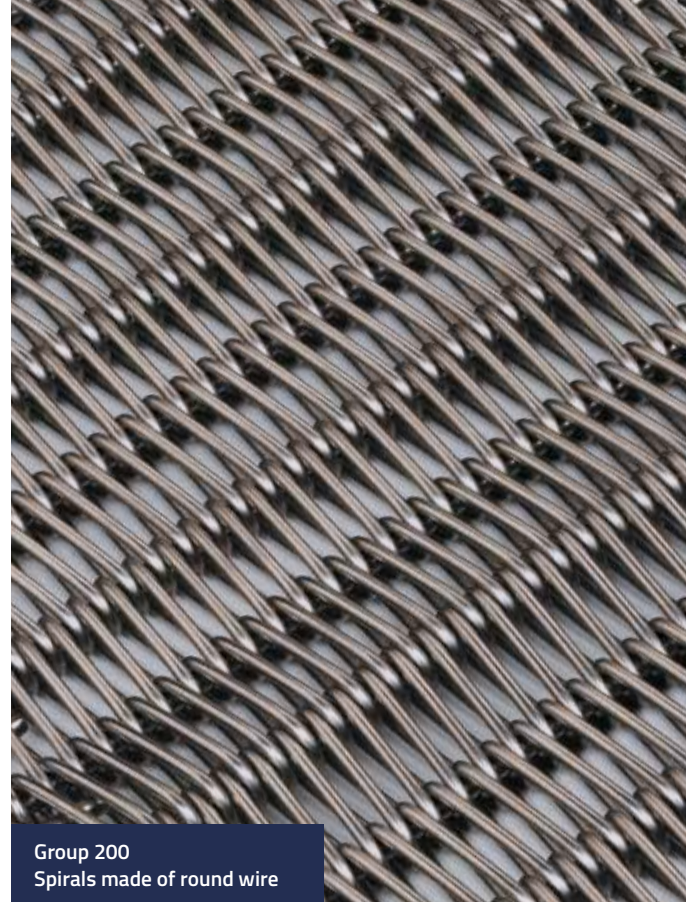
CONTENT

Wire belts

Group 100/200 - Spiral wire link belts/flat, round wire link belts	4–5
Group 300/400 - Wide spiral wire link belts	6–7
Group 500/550 - Wire mesh belts	8–9
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Our promise	20–21



Group 100
Spirals made of flat wire



Group 200
Spirals made of round wire

GROUP 100/200

Spiral wire link belts in alternating construction

Depending on the configuration, belts from groups 100 and 200 are tightly wound spiral, round or flat wire link belts. They consist of spirals and crossbars that are connected to each other.

FEATURES:

- Largely straight belt run due to alternating right and left spirals
- High tensile loads possible because the total cross section is large due to the tightly wound spirals
- Small roller diameters are possible for belts with chains

MATERIALS

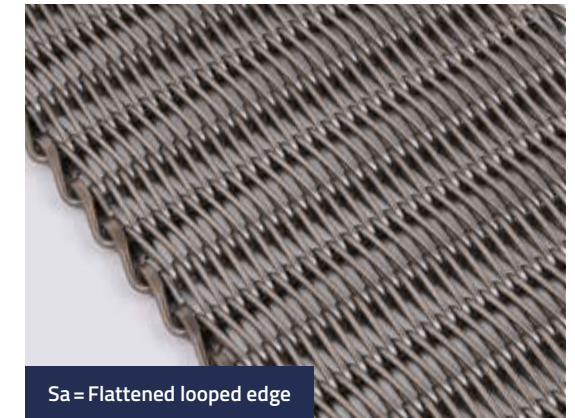
Unalloyed and low-alloy steels, bright, copper-plated or galvanised, rust- and acid-resistant chrome and chrome-nickel steels as well as highly heat-resistant chrome and chrome-nickel steels.

Other materials available on request.

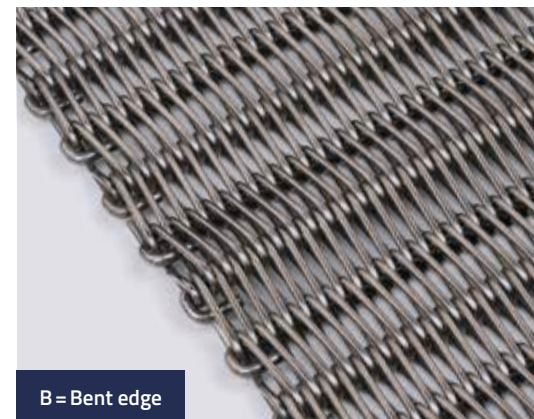
Edge finishes



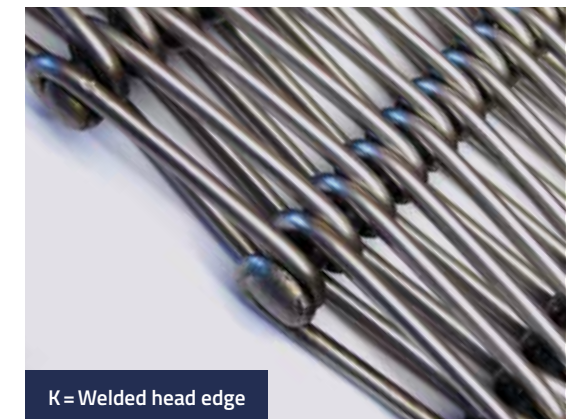
S = Looped edge



Sa = Flattened looped edge



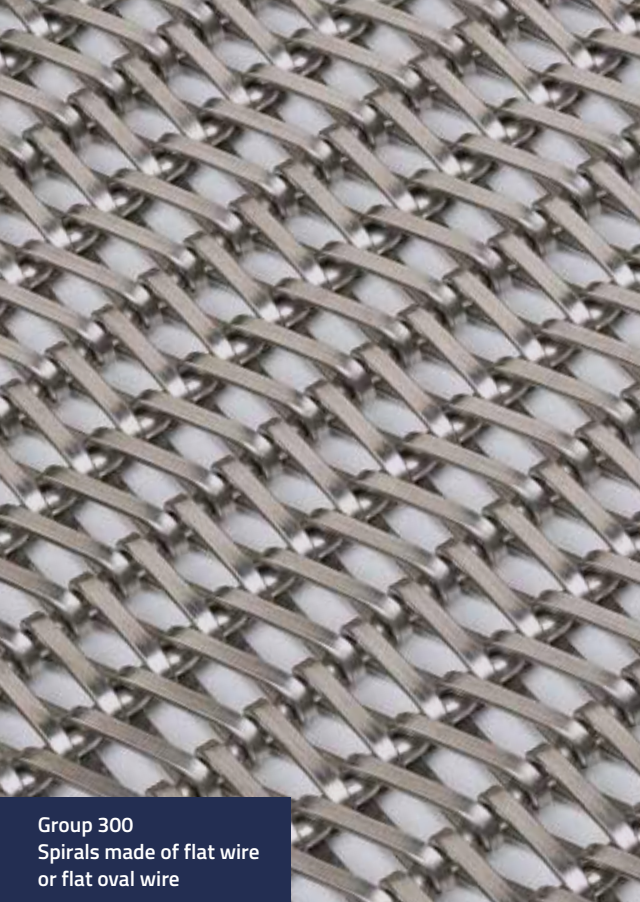
B = Bent edge



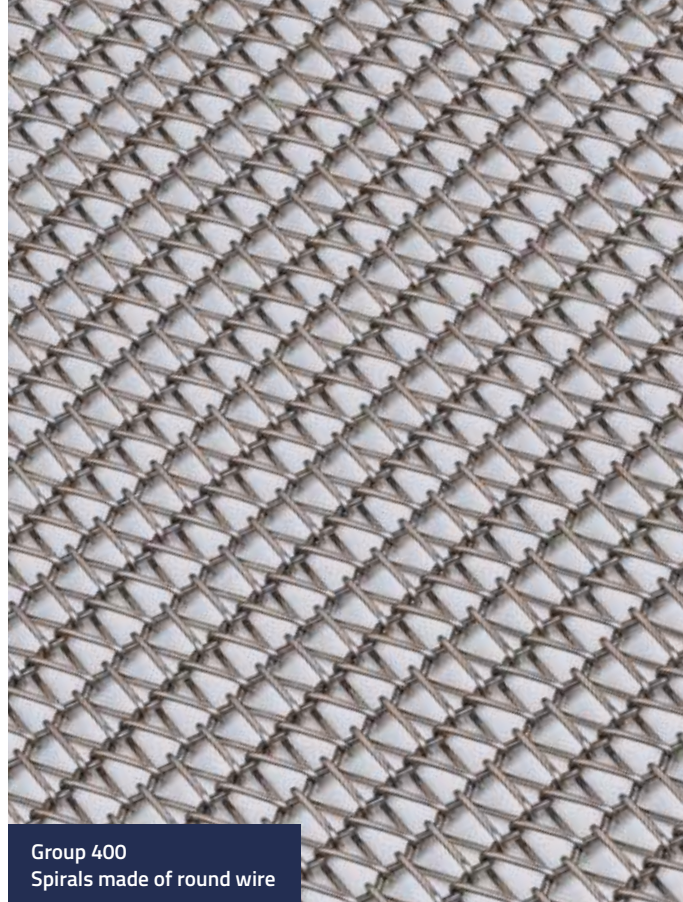
K = Welded head edge



Z = Chain with welded end or disc and split



Group 300
Spirals made of flat wire
or flat oval wire



Group 400
Spirals made of round wire

GROUP 300/400

Wide spiral wire link belts in alternating construction

Groups 300/400 comprise widely wound spiral wire link belts with spirals and crossbars connected together.

FEATURES:

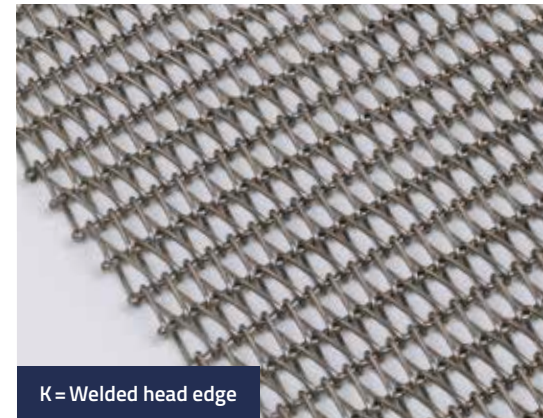
- Largely straight belt run due to alternating right and left-hand spirals
- Precise locking of the spirals thanks to corrugated crossrods
- Large open area, therefore good passage of air and liquids
- Smooth running and movable

MATERIALS

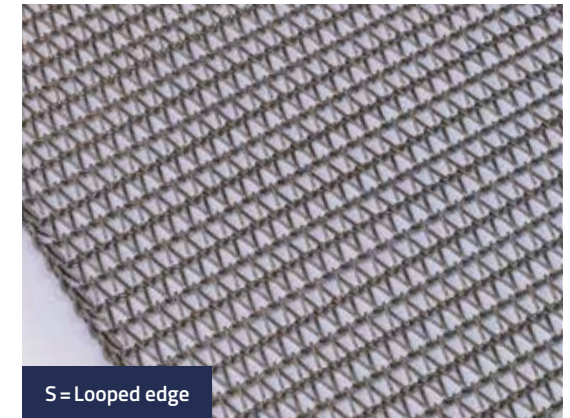
Unalloyed and low-alloy steels, bright, copper-plated or galvanised, rust- and acid-resistant chrome and chrome-nickel steels as well as highly heat-resistant chrome and chrome-nickel steels.

Other materials available on request.

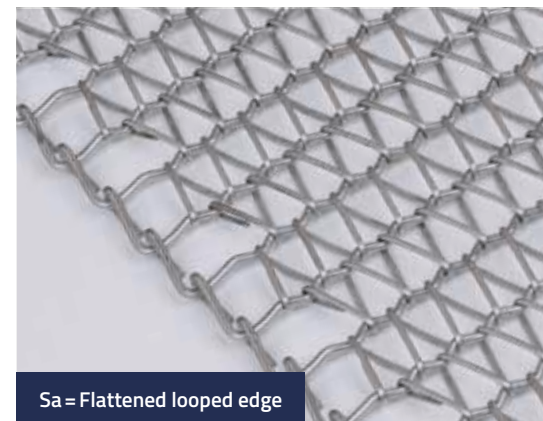
Edge finishes



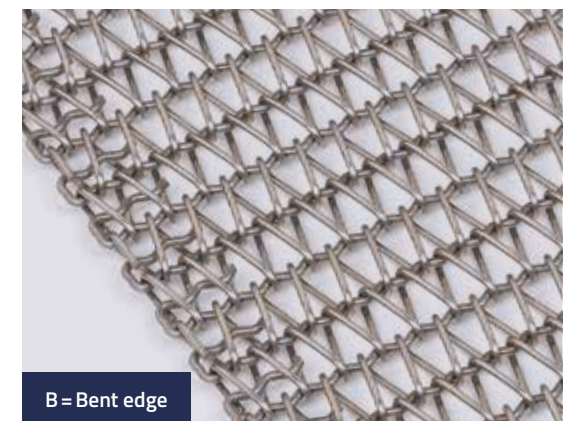
K = Welded head edge



S = Looped edge



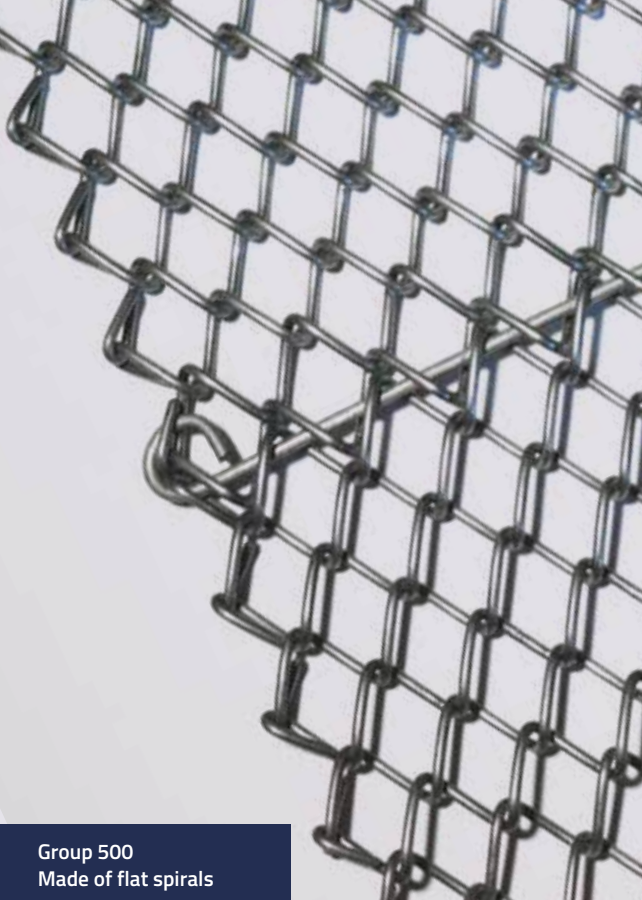
Sa = Flattened looped edge



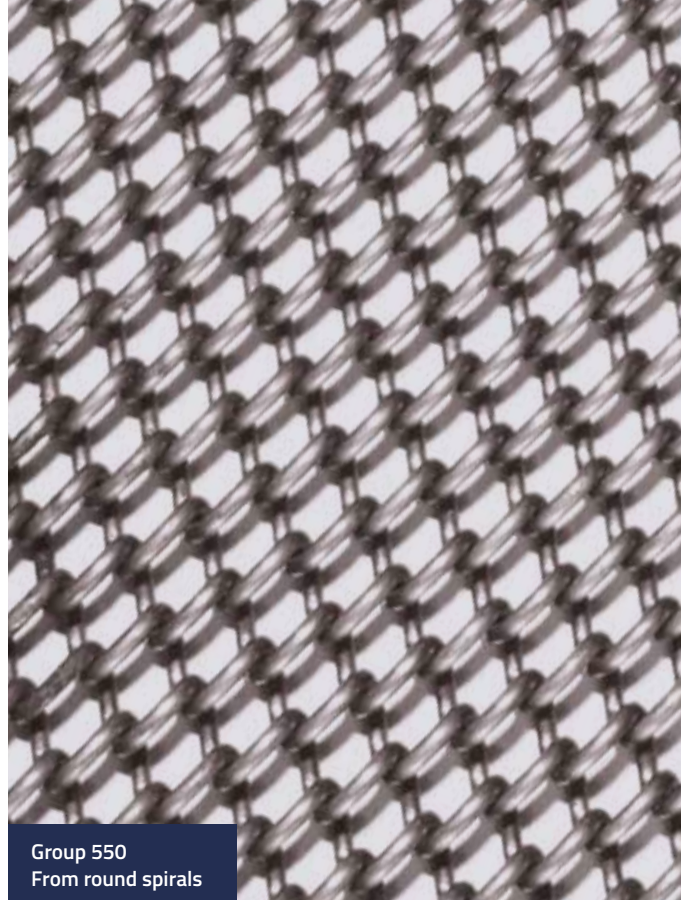
B = Bent edge



Zk = Chain with welded end



Group 500
Made of flat spirals



Group 550
From round spirals

GROUP 500/550

Woven wire belts

The products from groups 500/550 are belts consisting exclusively of interwoven spirals. They are braided on one side or are composed of alternating right and left braided sections, whereby the distance between the connecting crossrods should be approx. one third x roller circumference.

FEATURES:

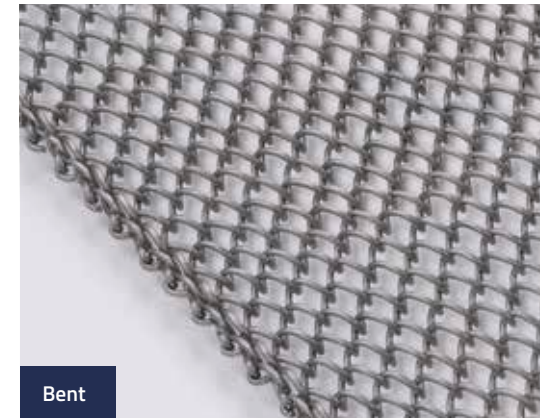
- Better belt run than with one-sided braiding direction thanks to alternating braiding direction
- Good passage of air and liquids through the large open area
- Relatively small wire contact areas
- Smooth running in the joints

MATERIALS

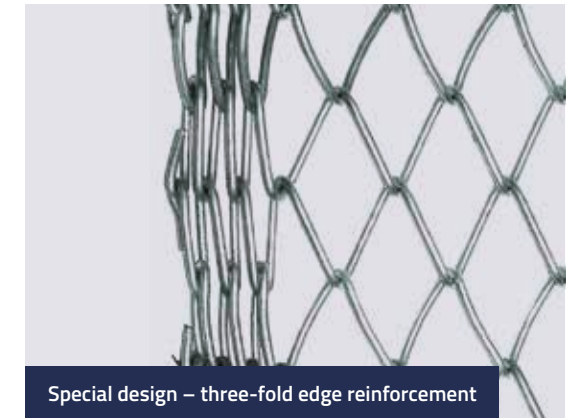
Unalloyed steels, bright or galvanized. Rust and acid-resistant chromium and chromium-nickel steels.

Other materials available on request.

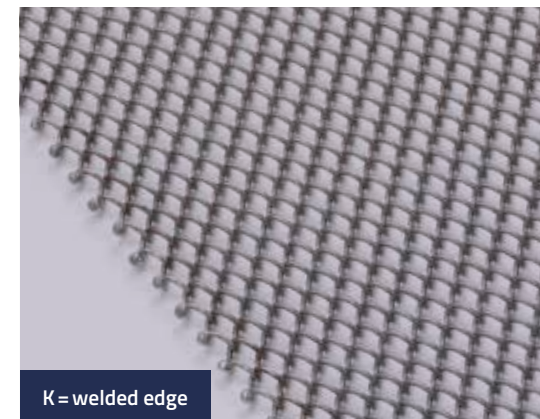
Edge finishes



Bent



Special design – three-fold edge reinforcement



K = welded edge



Special design – lateral chain with welded end



Group 700
Belt with interlaced bars

GROUP 700

Belts with interlaced bars

Interlaced bar belts from group 700 consist of interwoven, bent rods. This design of HEIN, LEHMANN belts not only offers a number of specific advantages but also a wide range of possible applications. The belts are used almost everywhere for transporting and handling light goods.

FEATURES:

- Almost unhindered passage of air, liquids or coating compounds, for example, due to the very large open area
- Low dead weight
- Low risk of clogging and easy cleaning, as the belt consists of only one layer

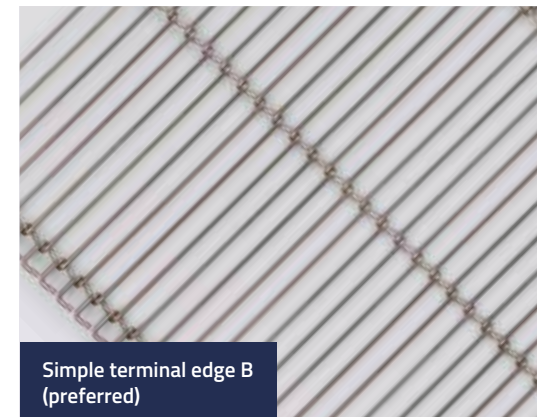
- Problem-free strip guidance through revolving grooved end rolls
- Positive drive is possible thanks to toothed rollers or wheels
- Deflection over very small radii possible
- Smooth running

MATERIALS

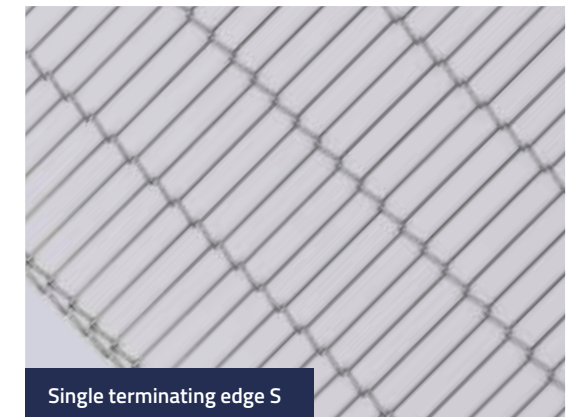
Spring steel or stainless chrome-nickel steels of material no. 1.4310.

Other materials available on request.

Edge finishes



Simple terminal edge B
(preferred)



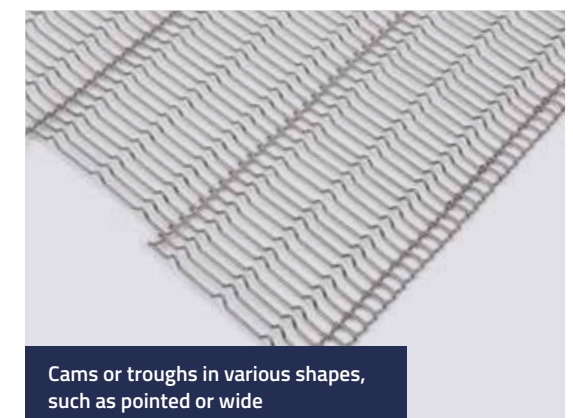
Single terminating edge S



Reinforcing edge V
with end edge S



Curved belt design for any
curve area and different radii



Cams or troughs in various shapes,
such as pointed or wide



Group 800
Wire-link belt

GROUP 800

Wire link belts

Individual bent wire eyelets, which are each lined up on two straight crossrods.

- This is the characteristic of this belt group. If greater tensile forces are to be transmitted, the belts can be provided with lamellar strands which assume the belt tension that additionally occurs when transporting heavy goods.

PROPERTIES:

- Good passage of air and liquids thanks to the large open area
- Low risk of clogging and easy cleaning because the belt consists of only one layer
- Toothed rollers due to the positive drive

- Good belt guidance
- Relatively small roller diameters
- Smooth surface

MATERIALS

Unalloyed and low-alloy steels, bright, copper-plated or galvanised, spring steel, rust- and acid-resistant chrome and chrome-nickel steels as well as highly heat-resistant chrome and chrome-nickel steels.

Other materials available on request.

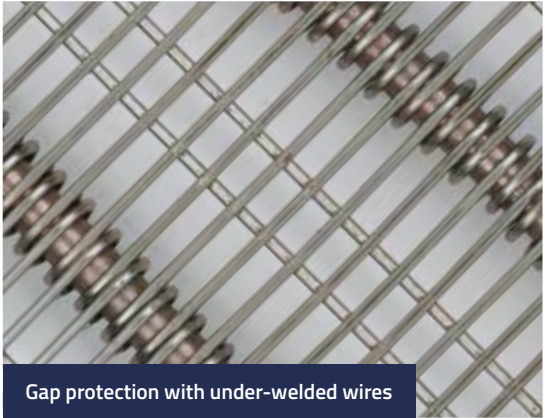
Gap protections



Gap protection with wire rings



Loop to loop



Gap protection with under-welded wires



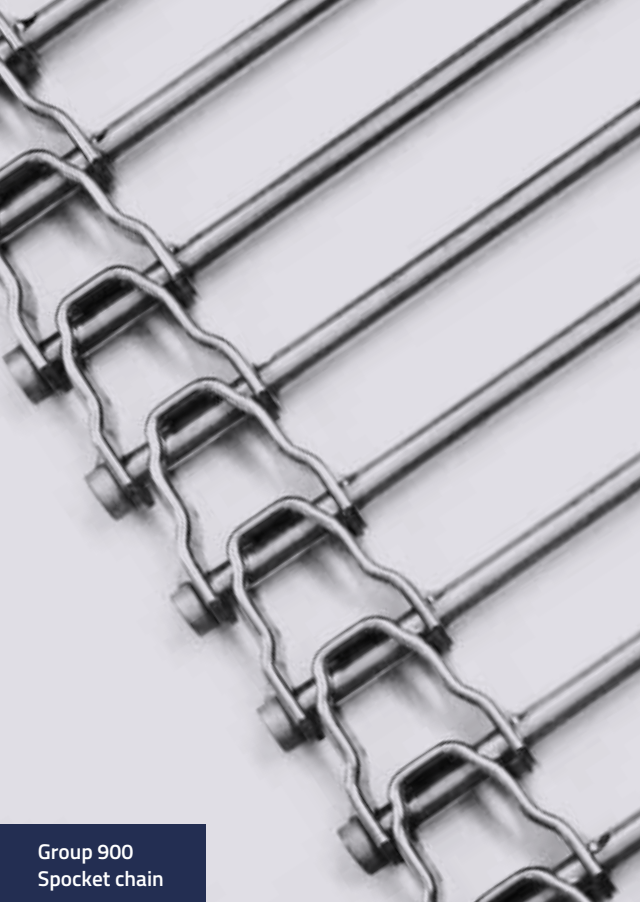
Gap protection with washers



Gap protection with sleeves

EDGE DESIGN:

- La = Lamella edge
- Z = Bushing chain
- Zv = Tooth roller edge
- K = Welded head edge



Group 900
Sprocket chain



Group 900
Looped edge

GROUP 900

Crossrod belts

The crossrod belts from group 900 consist of straight crossrods with different edge designs.

FEATURES:

- Uniform transport and small deflection diameter via sprocket drive
- Large open area
- Easy to clean
- Curved (depending on edge design)

MATERIALS

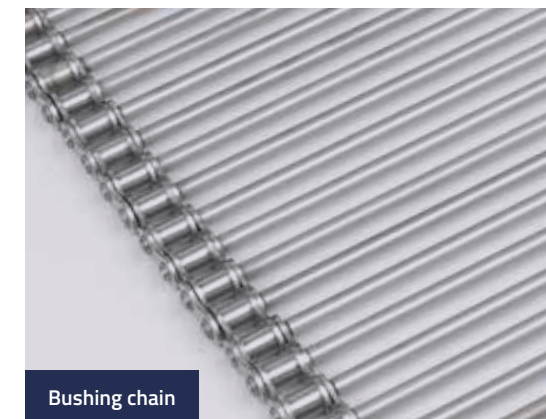
Chrome nickel steel of material no. 1.4301

Other materials available on request.

Edge design



Sprocket chain



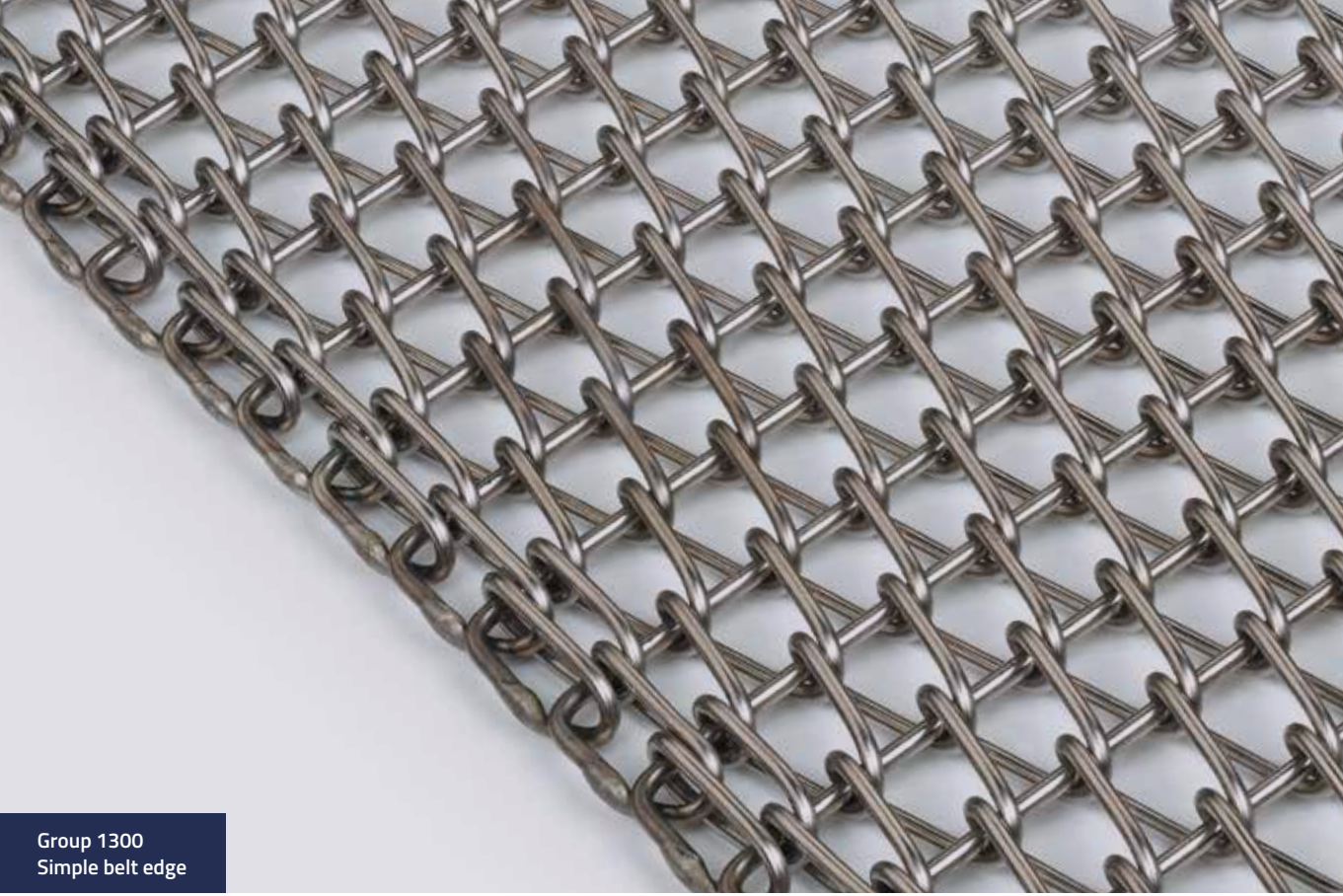
Bushing chain



Looped edge



Custom-made:
sprocket chain and filling spirals



Group 1300
Simple belt edge

GROUP 1300

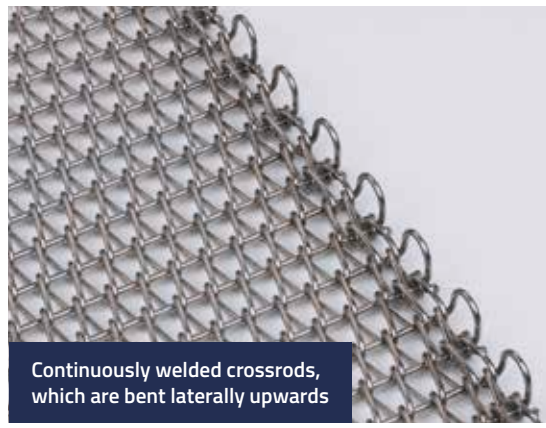
Wire mesh link belt

The belts from group 1300 consist of one-sided interwoven spirals and smooth crossrods. Their design makes them suitable for use in high temperature furnaces.

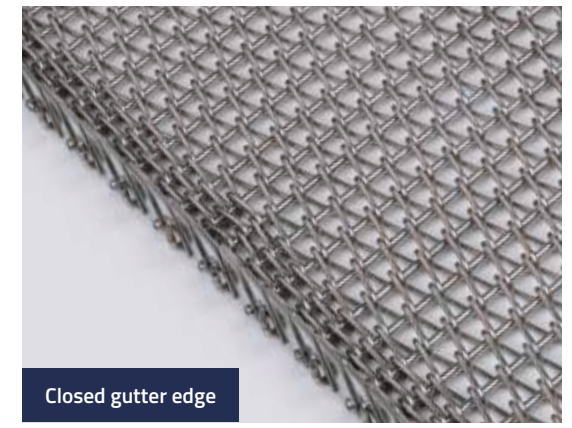
- FEATURES:**
- Designed to withstand belt tension – even at high temperatures
 - Large open area
 - Relatively low dead weight

MATERIALS
High heat resistant chrome and chrome-nickel steels as well as special grades.
Other materials available on request.

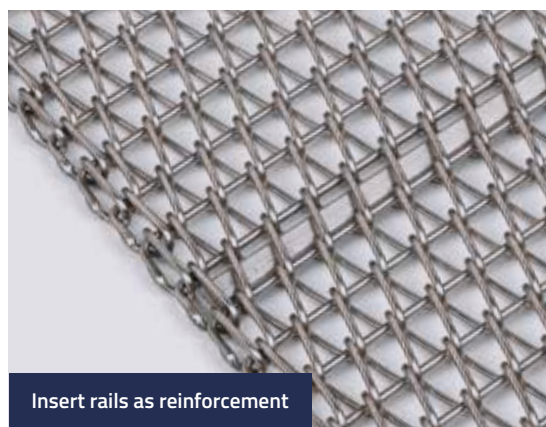
Special designs



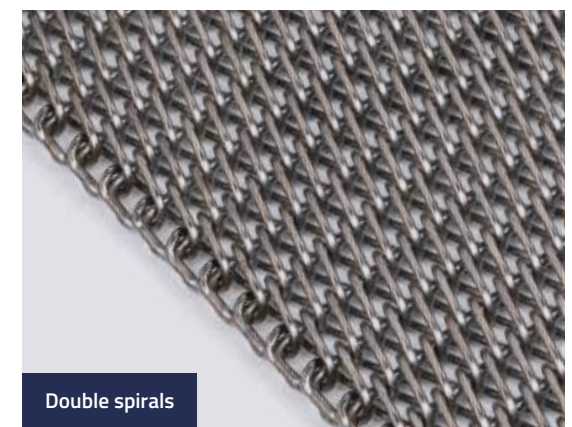
Continuously welded crossrods, which are bent laterally upwards



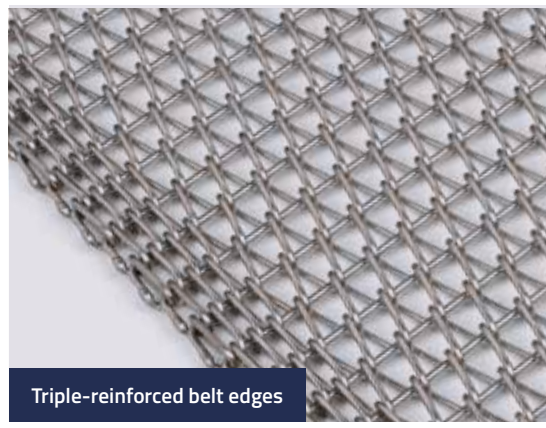
Closed gutter edge



Insert rails as reinforcement



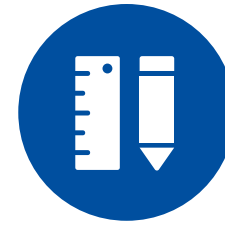
Double spirals



Triple-reinforced belt edges



APPLICATIONS



ARCHITECTURE AND DESIGN



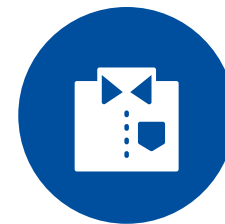
FOOD INDUSTRY



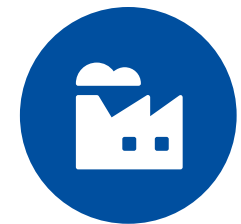
HARDWARE



BEVERAGE INDUSTRY



TEXTILE INDUSTRY



GLASS INDUSTRY

OUR PROMISE

We have the technical know-how when it comes to processing, separation and conveying technology and screening machines. We are experienced in the production of machines and components for processing and process engineering. Our knowledge is immense, after all, we have acquired it over decades. Against this background, we provide you with comprehensive and targeted advice on your requirements – right from the start.

HEIN, LEHMANN products are tailor-made, manufactured to the precise millimetre and partly hand-built, naturally by our experts. Whether for screening machines, CONIDUR® perforated plates, wedge wire screens, conveyor belts, or raw material screens:

We will find the right solution for every challenge - we promise!

HEIN, LEHMANN stands for:



Comprehensive expert advice



Industry-specific solution finding



Individual product planning



Customised product manufacturing



Accuracy of fit in every detail



Hand/built by experts



Long-life products



Sales follow-up management



LET'S FACE IT TOGETHER.

Perhaps you have already noticed that we are proud of what the HEIN, LEHMANN family business has achieved over generations and decades. We are happy about what we are doing today and we look forward to what we will achieve together with you. You can be sure of the fact that employees and products from HEIN, LEHMANN set standards – worldwide.

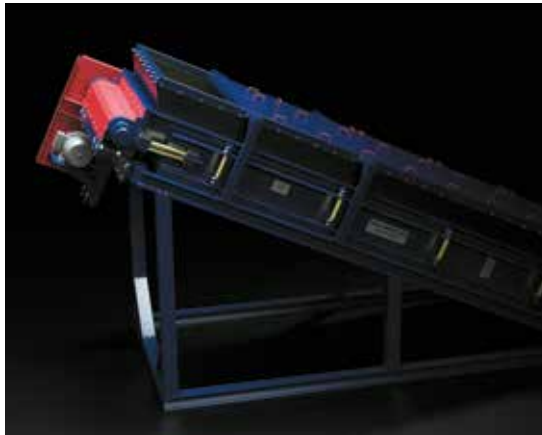
FURTHER PRODUCT GROUPS



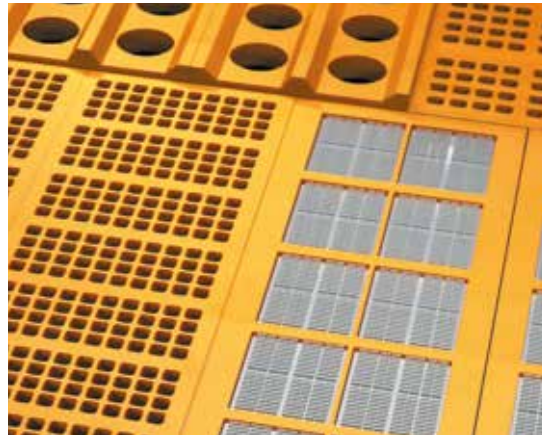
CONIDUR® PERFORATED PLATES



WEDGE WIRE SCREENS



SCREENING MACHINES



RAW MATERIAL SCREENS



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