



**CSS**<sup>®</sup>  
belts



Quality that pays off.

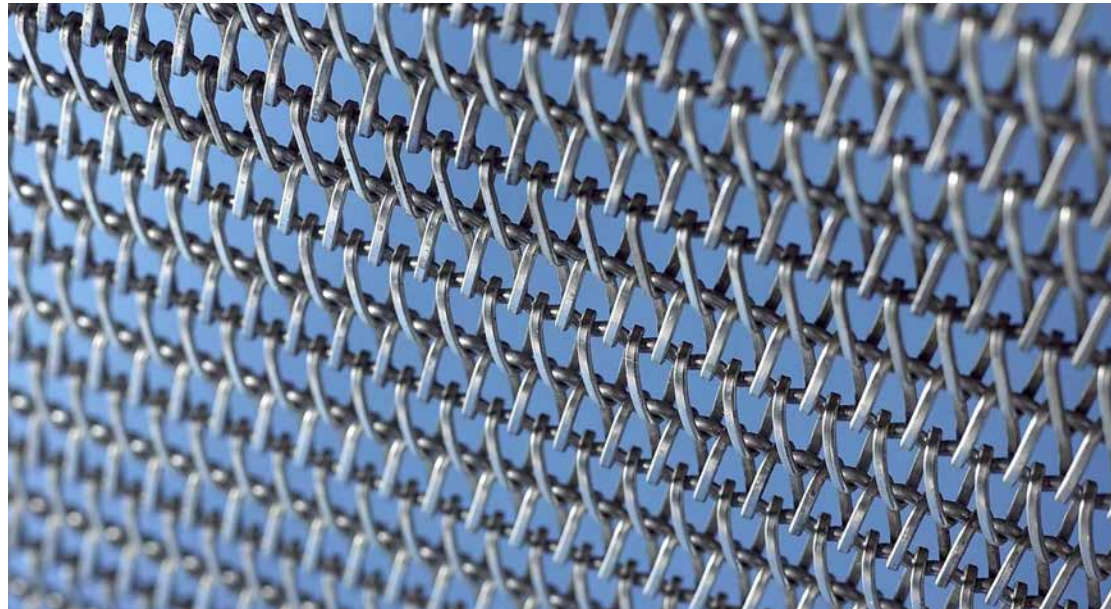
# Wire belts, meshes and metal conveyor belts

Solutions for the food industry



# Why the use of wire belts and meshes makes sense

Sintering  
Brazing  
Tempering  
Annealing  
Baking  
Drying  
Sterilizing  
Washing  
Cooling  
Freezing



Our wire belts' wide temperature range allows you to produce food safely: from baking to blast freezing.

Maximum safety and effectiveness in the production of food. This is what our wire belts stand for, equipped with all the properties required in food production: Durability, good running properties, thermostability, and optimal hygiene. Highest technical quality for good taste.

## **Your advantages when using wire belts and mesh:**

- High mechanical, thermal and chemical resistance
- Acid and alkali resistance (on request)
- Reduced repair time and costs due to modular design
- Smooth running
- Hygienic properties
- Easy cleaning
- Belt length changes possible
- Open surfaces

## Versatile applicable



Our wire belts are mainly used in automated production processes. These are particularly common in the food industry, where large quantities (e. g. rolls or cookies) have to be provided within a short time.

Consequently, our products are subject to the highest hygienic, material, and thermal requirements. Our wire belts are used in various areas of the food industry:

- Baked goods/pasta
- Fruit/cereals
- Vegetables/pasta
- Frozen goods

Based on the list, it quickly becomes clear that the wire belts must be built very individually and withstand a large temperature difference. Simplified: The wire belt must work properly from the hot oven to the freezer.

And indeed, our wire belts have excellent thermal properties: They are suitable for temperatures from  $-196\text{ }^{\circ}\text{C}$  up to high-temperature applications of approx.  $1250\text{ }^{\circ}\text{C}$ . As a result, they continue to operate flawlessly at much more extreme temperatures, such as those encountered in the food industry.

Also, these wire belts can be perfectly cleaned because hygiene plays a paramount role in food production.

### Our applications at a glance:



BREAD OVENS



CANDY PRODUCTION



PIZZA



COVERS



COOKING AND STEAMING



SNACKS AND SAVORY SNACKS



PASTA PRODUCTION



DRYING PLANTS



FROST



FOOD HANDOVER



FISH AND CANNING INDUSTRY



PACKAGING INDUSTRY

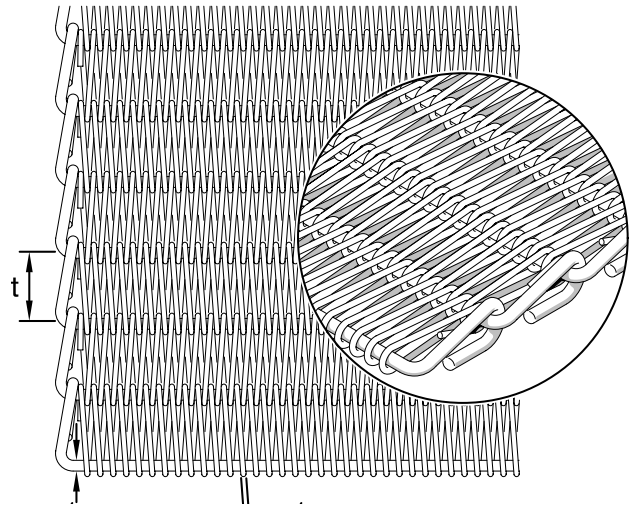


LABELING MACHINES

# Our solutions at a glance

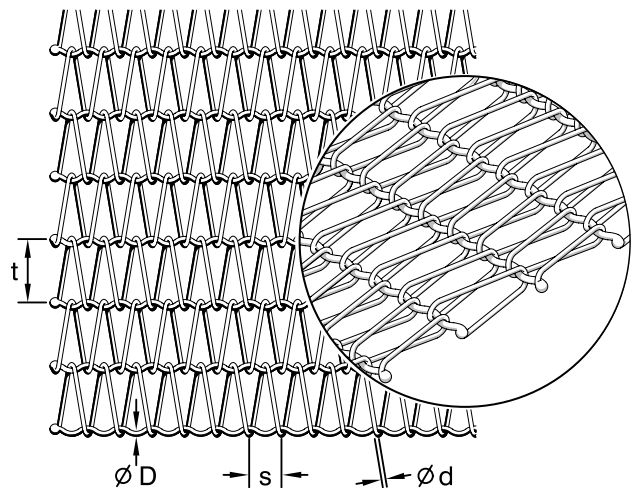
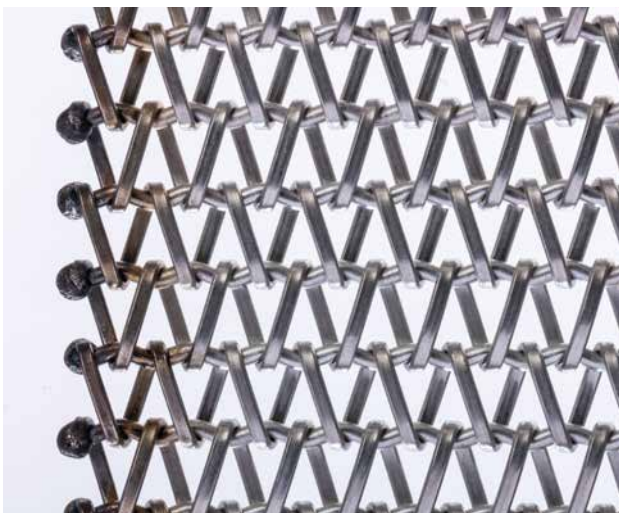
The specified designs and manufacturing options are for orientation purposes only. Numerous other combinations of geometries, dimensions, and materials are possible. If you have any further questions, our experienced sales team will be happy to advise you.

**Type: N 200**  
**Balanced wire belt**  
 with S-edges, B-edges or welded edges



Food drying, cooling belts, baking, general transport tasks

**Type: N 300**  
**Balanced wire belt**  
 with S-edges, B-edges or welded edges



Salty, pretzel pastries, fish industry, boxed goods/baking pans



Fresh bread on the balanced wire belt, Type: N 200

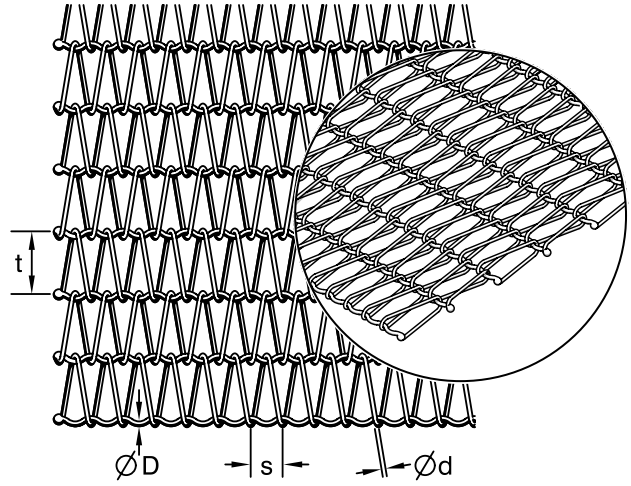
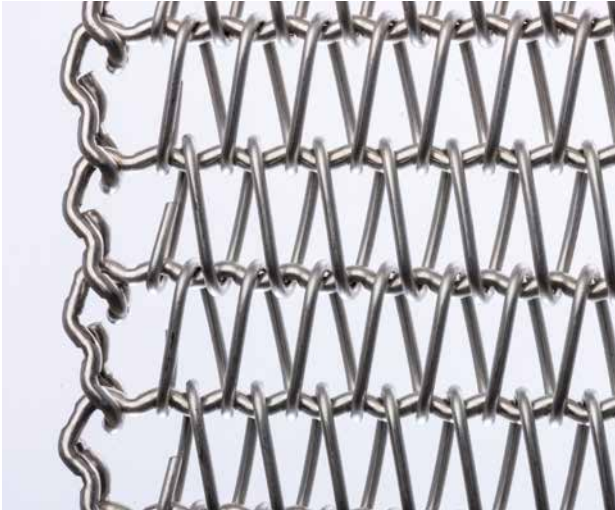


Salt cookies on the balanced wire belt, Type: N 300

**Type: N 400**

**Balanced wire belt**

with S-edges, B-edges or welded edges

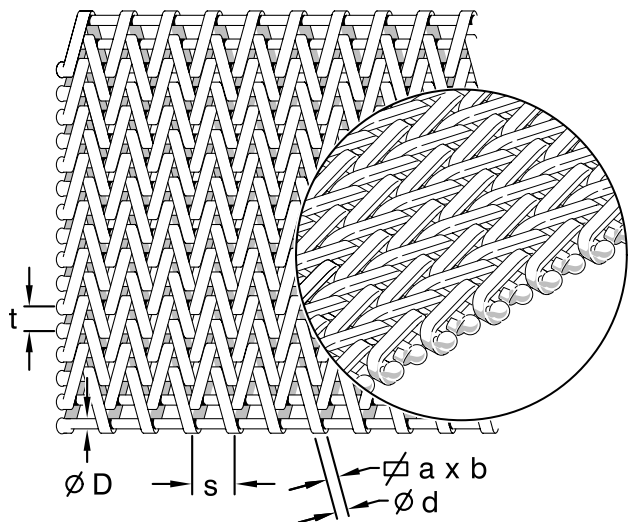
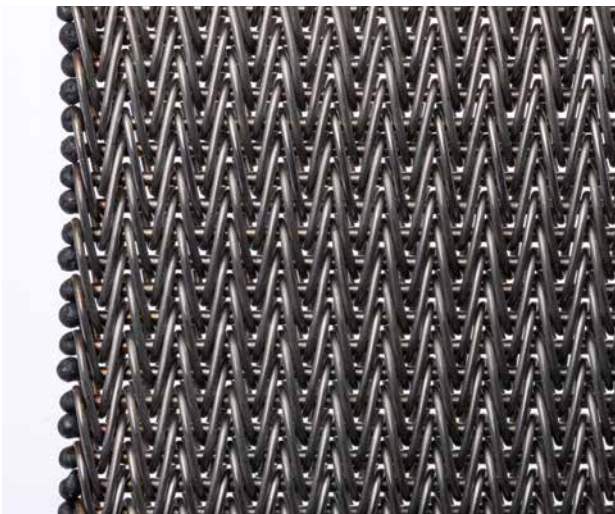


Salt, pretzel cookies, fish industry, boxed goods / baking pans

**Type: N 400 V**

**Balanced wire belt**

in multiple construction with welded edges



Typical applications: Hardening and heat treatment equipment



Pretzels on the balanced wire belt, Type: N 400

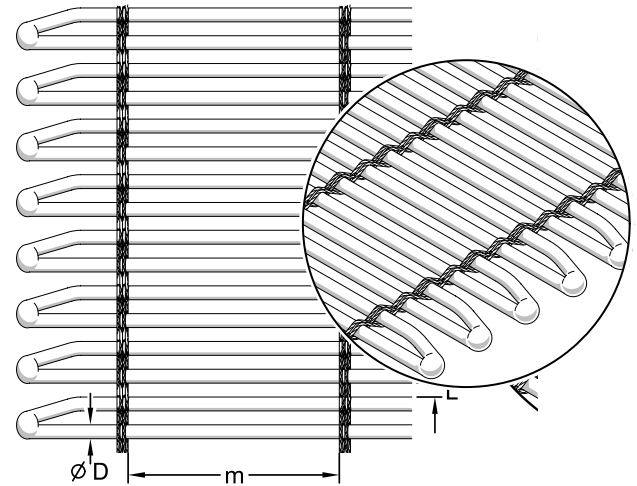
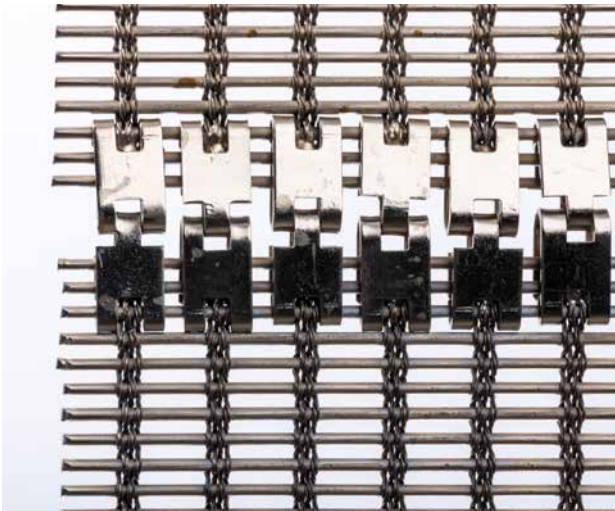


Salt cookies on the balanced wire belt, Type: N 400 V

**Type: N 600**

**Rod netting belt**

with smooth cross bars and welded edges

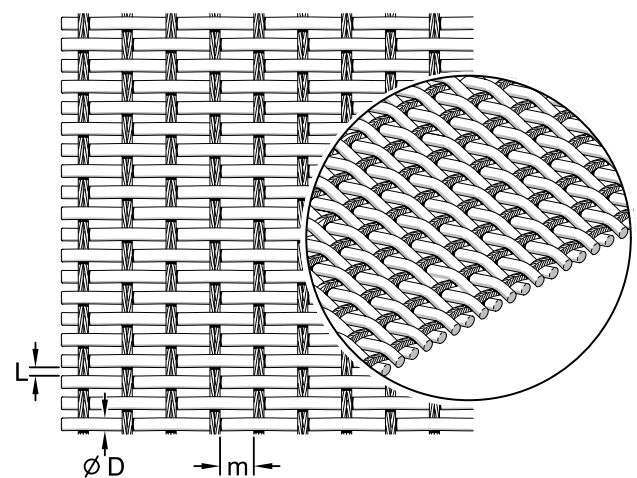
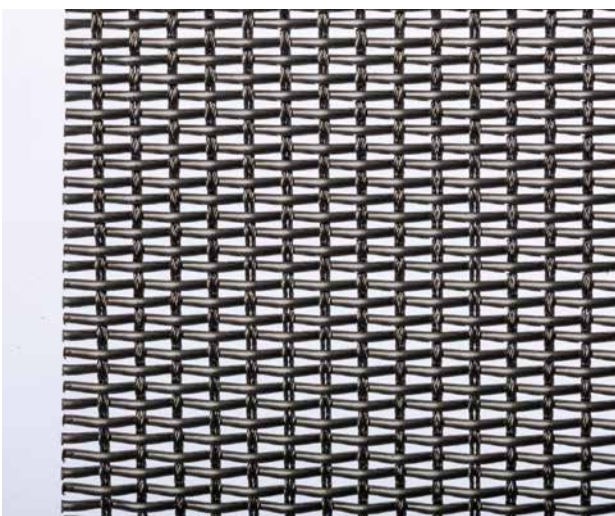


Typical applications: Drying and transportation of soap, tobacco, green fodder, vegetables, medicinal plants, fibers, and wood chips

**Type: N 650**

**Rod netting belt**

with corrugated cross bars



Typical applications: Drying/freezing of vegetables, cereals & cornflakes as well as baking of bread, rolls, cakes, and desserts



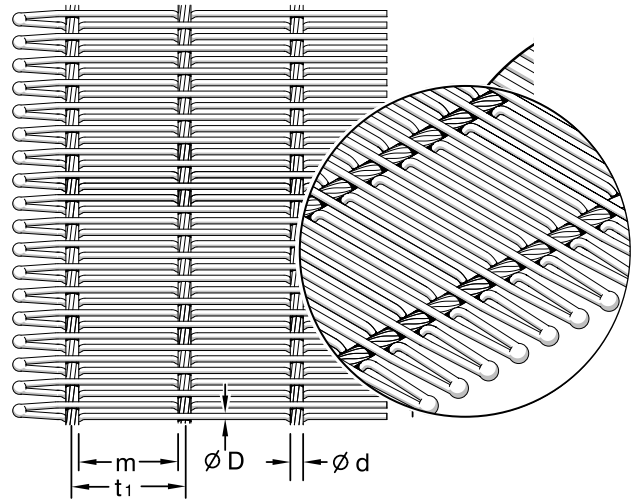
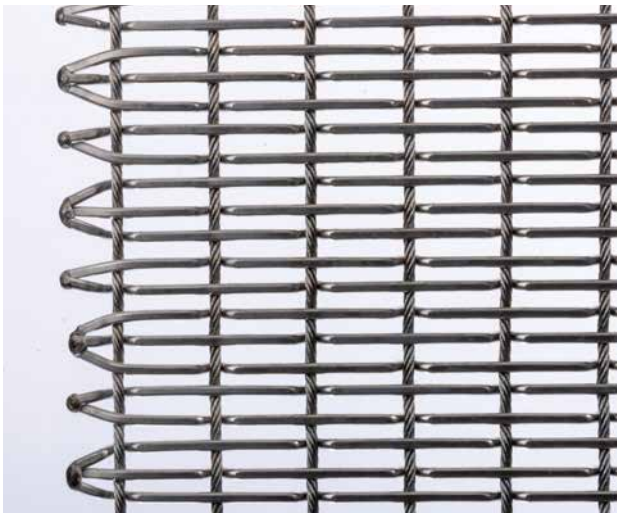


*Herbs and spices drying on the bar mesh belt, Type: N 600*



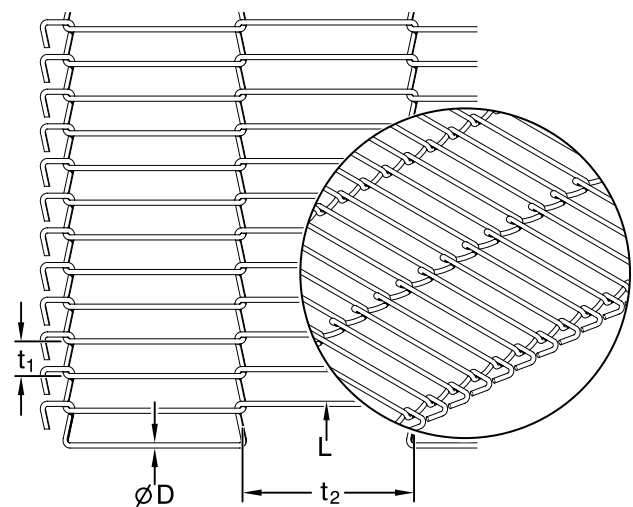
*Buns on the rod netting belt, Type: N 650*

**Type: N 6000**  
**Rod netting belt with cams**  
 with welded edges



Typical applications: Drying, freezing, and transport of food, vegetables, and berries

**Typ: N 700**  
**Rod link belt**  
 with simple or reinforced end edges



Typical applications: Confectionery, pastry making, chocolate coating, food steaming, spreading grids for sweet/salty/piquant/toppings



Freezing with cam fabric belt, Type: N 6000

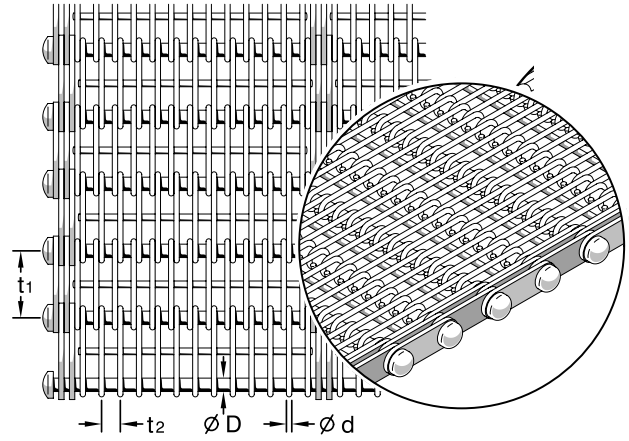
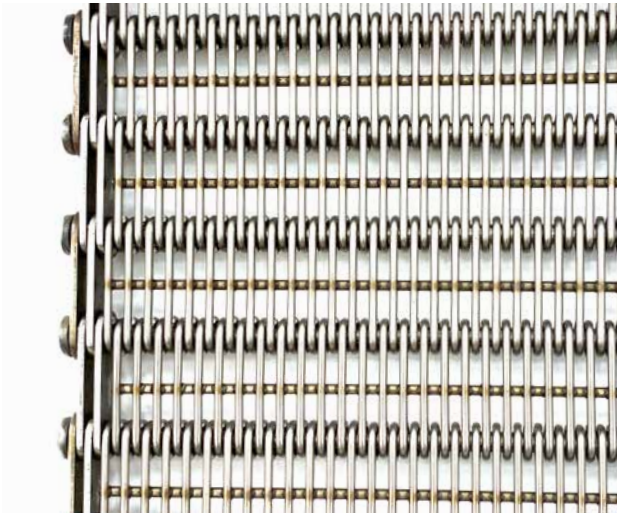


Lye rolls on the rod link belt, Type: N 700

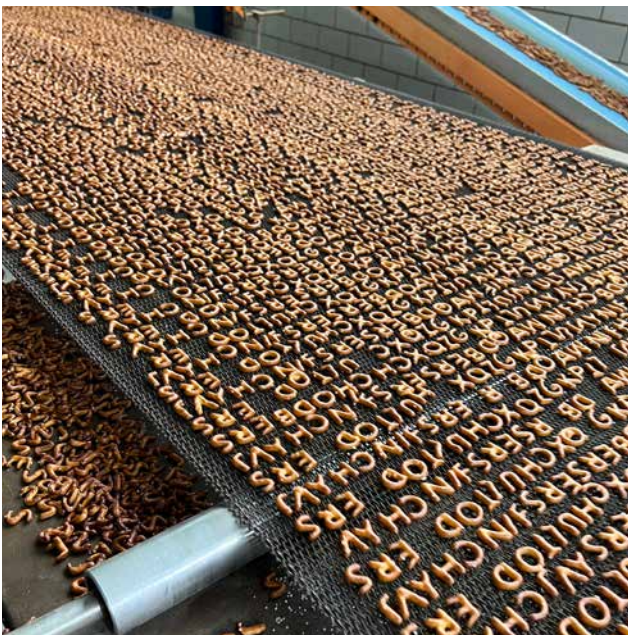
## Type: N 800

### Eye link belt

with slat reinforcement or with chain guide



Typical applications: Baking of pasta as well as drying of confectionery, vegetables as well as for food sterilization





Sweet pastries on the eye link belt, Type: N 800



# Standard versions

Type:  
N 200

**Round wire link belt**  
with S-edges and welded edges

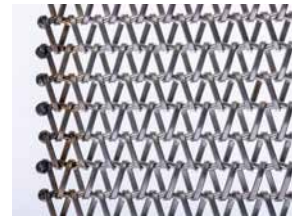
Manufacturing capabilities									
d = spiral diameter (mm)	0.9 - 5.0	0.9	1.3	1.8	1.5	2.0	2.5	4.0	5.0
D = cross rod diameter (mm)	1.8 - 8.0	1.8	2.5	2.8	2.8	3.1	5.0	7.0	7.0
t = division (mm)	8.0 - 52.0	10.0	16.5	18.0	23.0	25.0	32.0	45.0	52.0
width (m)	max. 4.00								



Type:  
N 300

**Wide Spiral Flat Wire Link Belt**  
with S-edges and welded edges

Manufacturing capabilities									
axb = spiral cross section (mm)	1.2x0.7 - 3.0x1.5	1.2 x 0.7	1.2 x 0.7	1.6 x 1.0	2.0 x 1.0	2.0 x 1.0	2.5 x 1.2	2.5 x 1.2	2.5 x 1.2
D = cross rod diameter (mm)	1.2 - 5.0	1.2	1.4	1.6	2.8	2.8	3.1	3.1	3.1
t = division (mm)	4.0 - 40.0	4.0	5.4	10.0	16.0	20.0	25.0	35.0	35.0
s = pitch (mm)	4.0 - 35.0	4.1	5.2	6.5	8.5	15.0	20.0	25.0	33.3
width (m)	max. 4.00								



Type:  
N 400

**Wide Spiral Round Wire Link Belt**  
with S-edges and welded edges

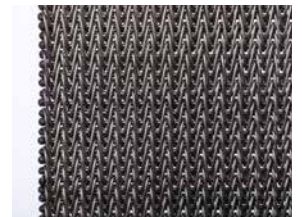
Manufacturing capabilities									
d = spirals Ø (mm)	0.56 - 5.0	0.9	1.0	0.9	1.0	1.2	1.4	1.6	2.8
D = cross rod Ø (mm)	1.0 - 6.0	1.2	1.2	1.2	1.4	1.6	2.8	2.5	2.8
t = division (mm)	3.0 - 65.0	4.0	4.0	6.35	5.4	10.0	16.0	20.0	25.0
s = pitch (mm)	2.0 - 35.0	3.0	4.1	5.08	5.2	6.5	8.5	15.0	20.0
width (m)	max. 6.00								



Type:  
N 400 V

**Wide spiral link belt**  
in multiple construction with welded edges

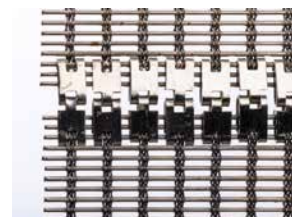
Manufacturing capabilities						
axb = spiral cross section (mm) d = Spiral diameter (mm)	0.6 x 0.4 - 1.6 x 1.0	1.4 x 0.7	1.2 x 0.7			
D = cross rod diameter (mm)	1.0 - 6.0	0.6 - 2.8			1.0	1.2
t = division (mm)	3.0 - 65.0	0.8 - 3.1	1.2	1.2	1.2	1.8
s = pitch (mm)	1.6 - 9.0	2.4	2.4	2.4	3.2	4.0
multiple construction	2x - 5x	2x	3x	3x	2x	3x
width (m)	max. 3.00					



Type:  
N 600

**Bar webbing belt**  
with smooth cross bars

Manufacturing capabilities					
L = weft - mesh size (mm)	1.0 - 3.0	3.0	1.0	1.5	2.0
D = weft wire - Ø (mm)	1.5 - 2.0	1.5	1.5	1.5	1.5
m = chain - mesh size (mm)	8.0 - 24.0	8.0	16.0	20.0	24.0
chain/strand (mm)	0.7 - 1.2	3 x Ø 0.7	4 x Ø 0.7	4 x Ø 0.7	4 x Ø 0.7
width (m)	max. 3.10				



Type:  
N 650

## Bar webbing belt with corrugated cross

### Manufacturing capabilities

L = weft – mesh size (mm)	0.4 – 1.2	0.4	0.7	0.9	1.1
D = weft wire – $\phi$ (mm)	1.2 – 1.5	1.2	1.2	1.5	1.5
m = chain – mesh size (mm)	4.0	4.0	4.0	4.0	4.0
Chain/strand (mm)	0.7	2 x $\phi$ 0.7	2 x $\phi$ 0.7	2 x $\phi$ 0.7	2 x $\phi$ 0.7
Width (m)	max.3.10				



Type:  
N 6000

## Cam fabric

### Manufacturing capabilities

t1 = chain – pitch (mm)	17.5	17.5	17.5	17.5	17.5
m = chain – mesh size (mm)	15.5	15.5	15.5	15.5	15.5
d = chain/strand – $\phi$ (mm)	2.0 – 2.8	2.0	2.0	2.0	2.8
t2 = weft – pitch (mm)	1.8 – 10.0	2.5	3.0	5.0	5.5
L = weft – mesh size (mm)	0.3 – 8.0	1.0	1.5	3.0	3.0
D = weft wire – $\phi$ (mm)	1.2 – 2.5	1.5	1.5	2.0	2.5
width (m)	max. 3.10				



Type:  
N 700

## Rod braided belt with simple or reinforced end edges

### Manufacturing capabilities

D = wire $\phi$ (mm)	1.0 – 2.8	1.0	1.2	1.2	1.4	1.6	1.8	2.0	2.8
t1 = pitch (mm)	4.0 – 17.0	5.0	6.0	7.0	8.0	10.0	12.0	15.0	17.0
L = mesh size (mm)	3.0 – 15.0	4.0	4.8	5.8	6.6	8.4	10.2	13.0	14.2
t2 = mesh length (mm)	$\phi$ 1.0 – 1.2 = 45 – 80	1	2	3	4	5			
$\phi$ 1.4 – 2.8 = 60 – 110									
width (m)	max. 3.50								



Type:  
N 800

## Wire eye link belt with slat reinforcement and with chain

### Manufacturing capabilities

D = cross rod – $\phi$ (mm)	4.0 – 8.0	4.0	5.0	5.0	8.0	8.0
t1 = cross rod – pitch (mm)	30.0 – 75.0	30.0	50.0	50.0	75.0	50.8
d = eyelet wire – $\phi$ (mm)	2.0 – 3.0	2.0	2.5	2.5	2.5	3.0
t2 = eyelet – pitch (mm)	4.0 – 25.0	4.0	7.5	12.5	15.0	11.0
width (m)	max. 3.50	Slats	Slats	Slats	Slats	Chains



**For further individual designs  
please contact our sales department at any time**

phone: +49 (0) 2621 – 9694-20

e-mail: [info@css-draht-schmidt.de](mailto:info@css-draht-schmidt.de)



kompanion.eu

Thank you for your interest in our company.  
For inquiries about our products or the preparation of a quotation, please contact us at the following contact details.

For a video consultation via Skype, Zoom, and Teams, please contact us.

## CSS Draht Schmidt GmbH

C.-S.-Schmidt-Straße 9  
D-56112 Lahnstein

phone: +49 (0) 2621 – 9694-0  
e-Mail: [info@css-draht-schmidt.de](mailto:info@css-draht-schmidt.de)



## Technical Sales & Consulting

phone: +49 (0) 2621 – 9694-23  
e-Mail: [info@css-draht-schmidt.de](mailto:info@css-draht-schmidt.de)