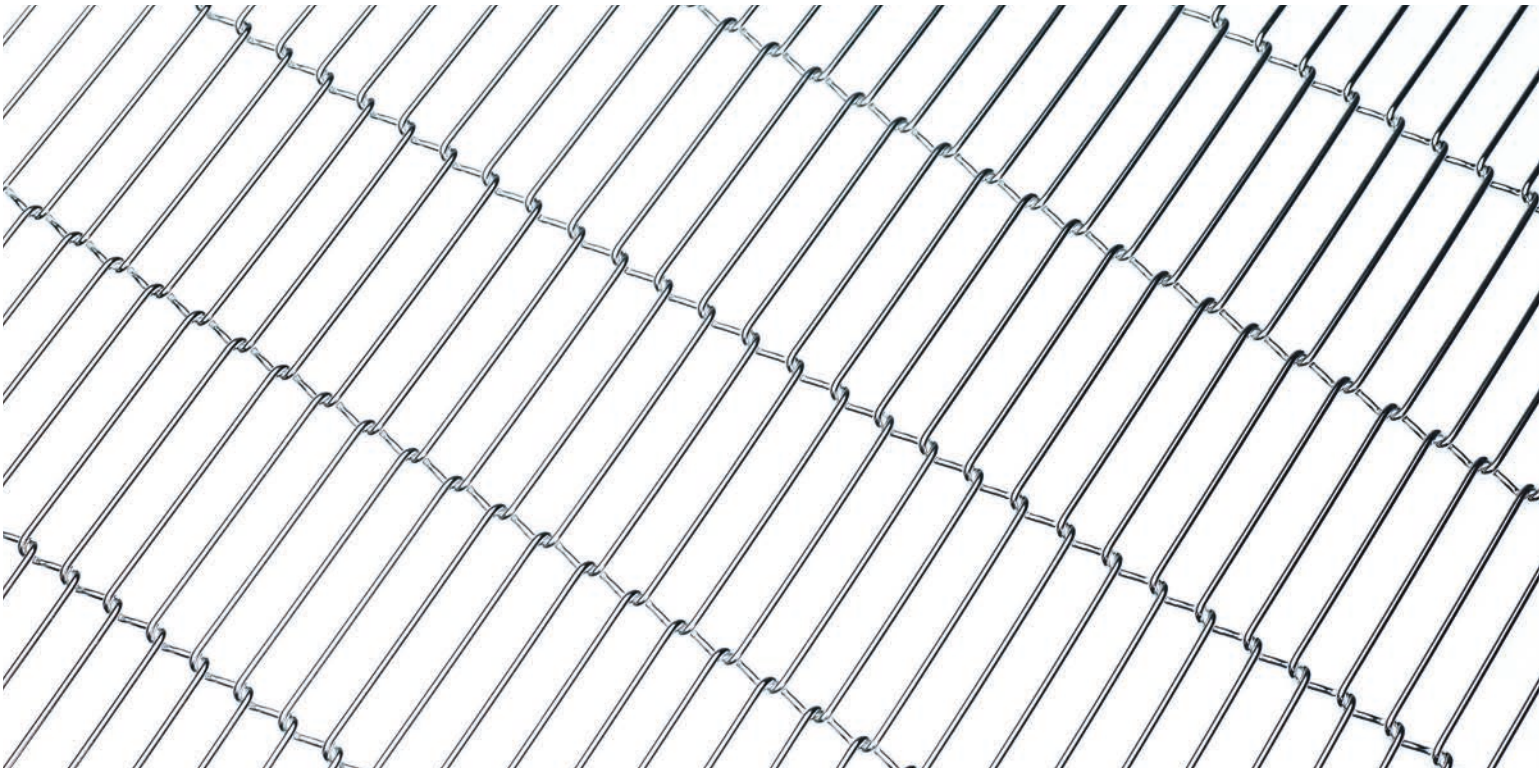




FLAT-FLEX[®] CONVEYOR BELTS

A PROVEN TECHNOLOGY



**THE TRUSTED METAL
CONVEYOR BELT MANUFACTURER**



CONCEPTS THAT CONNECT

FLAT-FLEX® CONVEYOR BELTS

Flat-Flex® conveyor belts are characterised by their reliable outputs in the industry for more than 85 years. With up to 86% of open-mesh surface, Flat-Flex® belts offer maximum flow through and have excellent Clean-in-Place capabilities as well as a USDA accepted design.



The unique features of Flat-Flex® conveyor belts offer numerous benefits, that increase productivity, help contain costs and improve overall product quality.





INDEX

01



WIRE BELT | CONTENTS
PAGE 02-03

02



BENEFITS | TURN-KEY
PAGE 04-05

03



STANDARD | BELT DATA
PAGE 06-09

04



DRIVE | ACCESSORIES
PAGE 10-11

05



SPECIAL | EDGES
PAGE 12-13

06



PREMIUM | SERVICE
PAGE 14-15

ADVANTAGES AN OVERVIEW FOR YOU

- 🌐 Open-mesh surface - up to 86%
- 🌐 Small transfers
- 🌐 Non-slip positive drive
- 🌐 Hygienic design
- 🌐 USDA - accepted

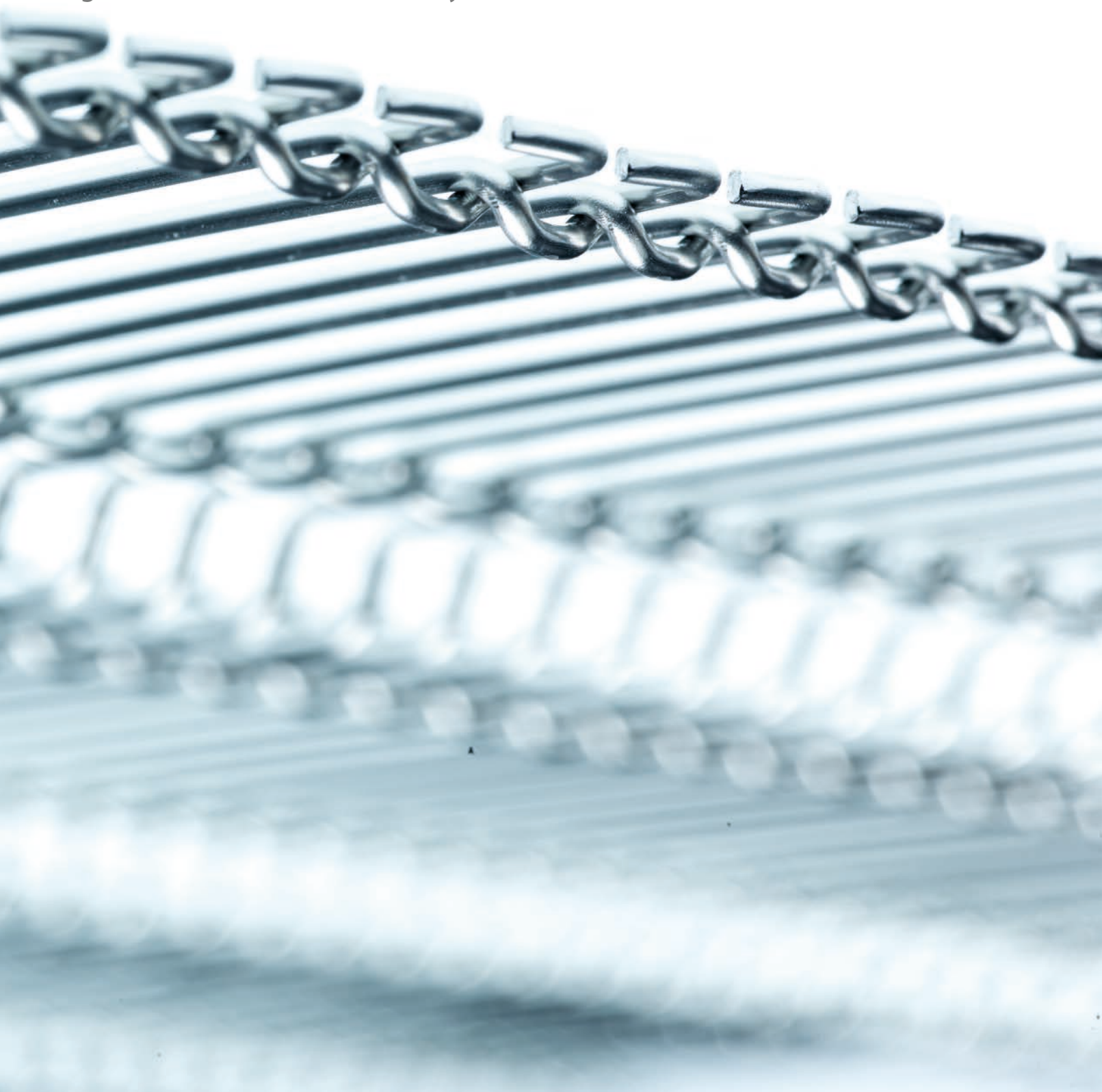
The Trusted
Metal Conveyor
Belt Manufacturer™

UP TO ANY TASK



TODAY`S TURN-KEY PRODUCTION PLANNING FOR THE FUTURE WITH WIRE BELT

Our FLAT-FLEX® BELTS are characterized by
extremely high durability and maximum performance.
Together with Wire Belt - for today, tomorrow and the future.



STANDARD BELT DATA

Flat-Flex® Remarkably durable

Flat-Flex® is available in a wide range of wire diameters and pitches.
Available belt widths ranging from 28mm to over 6,000mm.
The following table gives you a broad indication of availability:

Wire Diameter in mm	Pitch from mm	Pitch to mm
0,90	4,00	7,00
1,00	4,00	10,50
1,20	4,24	12,50
1,27	4,25	12,70
1,40	5,50	12,00
1,50	6,30	13,00
1,60	6,00	15,00
1,83	7,80	17,80
2,00	8,50	20,32
2,08	9,51	20,32
2,35	10,00	20,32
2,50	12,00	20,32
2,80	12,70	25,00
3,40	19,05	25,00
4,00	25,00	

According to customer requirements or applicationl

We are happy to answer your questions
and can be reached here:

+49 (0)38823 5445-0
sales@wirebelt.de
wirebelt.de

HINT

Our belts are available standard
produced in galvanised steel
and stainless premium steel.







STANDARD BELT DATA

Flat-Flex® Remarkably durable

The below data is a small extract from our Flat-Flex® production programme. There are far more combinations of pitch and wire diameters which we won't be able to itemise here in its entirety. If you do not see the specification needed, please consult with our sales team.

Pitch and Wire Diameter (mm)	Average weight (kg/m²)	Max belt tension per space (N)	Minimum transferroller outside diameter (mm)	Minimum recommended reverse bend diameter (mm)*	Typical open area %	Edge Availability:		
						Single Loop Edge (SLE)	Double Loop Edge (DLE)	C-Cure Edge (SLE-CC)
4,24 x 0,90	1,30	13,40	12	43	77,00	•	•	
4,30 x 1,27	2,60	44,50	12	43	67,00	•		
5,50 x 1,00	1,35	19,60	12	55	79,00	•	•	
5,50 x 1,27	2,20	44,50	12	55	73,00	•	•	
5,60 x 1,00	1,33	19,60	12	56	79,50	•	•	
5,64 x 0,90	1,00	13,40	12	57	82,00	•	•	
6,00 x 1,27	1,90	44,50	16	60	76,00	•	•	
6,35 x 1,27	2,00	44,50	16	64	77,00	•	•	
6,40 x 1,40	2,70	55,00	20	64	76,00	•		•
7,26** x 1,27	1,60	44,50	16	73	80,00	•	•	•
7,26** x 1,60	2,50	66,70	19	73	75,00	•		•
9,60 x 2,08	3,50	97,80	25	96	75,00	•		•
12,00 x 1,83	2,30	80,00	29	120	81,00	•		
12,70 x 1,83	2,20	80,00	29	127	82,00	•		•
12,70 x 2,35	3,60	133,40	38	127	78,00	•		•
12,70 x 2,80	5,10	191,30	38	127	72,00	•		•
19,05 x 2,80	3,50	191,10	50	120	83,00	•		
20,32 x 2,35	2,60	133,40	38	203	85,00	•		
25,00 x 3,40	4,00	281,80	60	120	84,00	•		
25,00 x 4,00	5,50	390,00	60	130	81,00	•		

AVAILABLE BELT WIDTHS RANGING FROM 28MM TO OVER 6,000MM.

* Recommended for a maximum lifespan of your belt.
** Dimensions according to industry standards! Compliant to a standard pitch of 7.35 mm.

Wire Belt is the world's leading manufacturer of open mesh conveyor belts and conveyor systems made from stainless premium steel. We offer a wide range of types and specifications for your individual application, that will help you increase and improve your manufacturing efficiency.





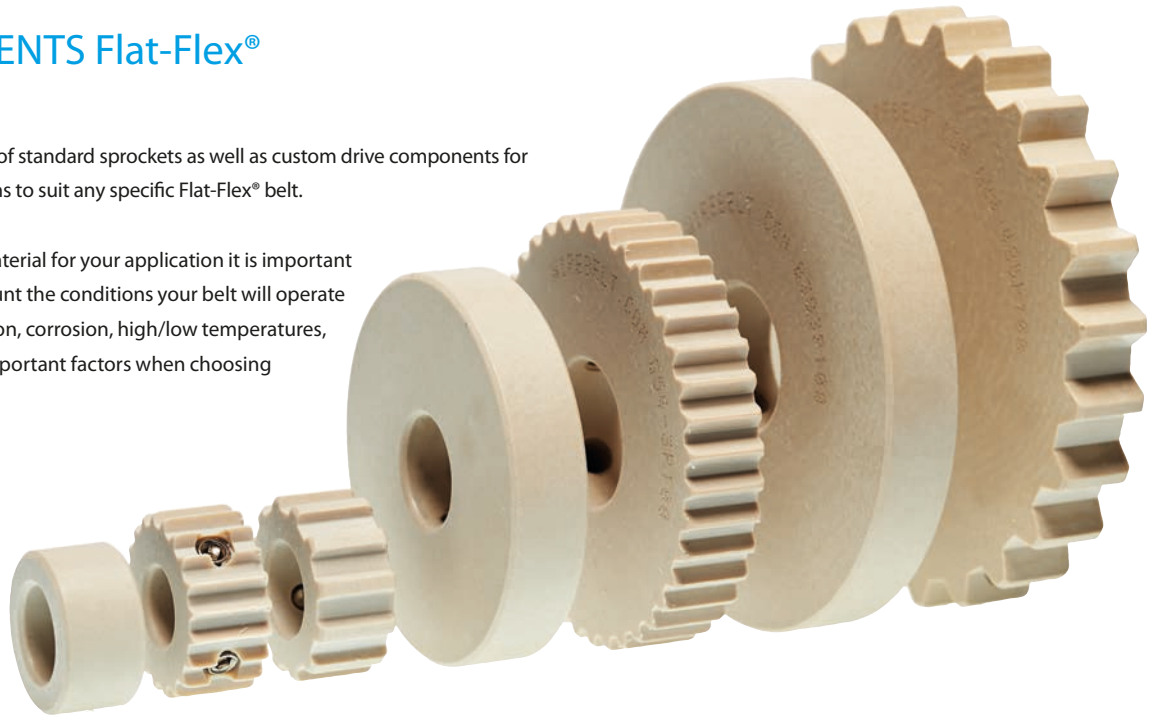
DRIVE COMPONENTS FLAT-FLEX®

DRIVE COMPONENTS Flat-Flex®

Immensely efficient

We offer a comprehensive range of standard sprockets as well as custom drive components for new and replacement applications to suit any specific Flat-Flex® belt.

When choosing the optimum material for your application it is important to remember and take into account the conditions your belt will operate under. Conditions such as abrasion, corrosion, high/low temperatures, type of process and so on, are important factors when choosing suitable drive components.



WIRE BELT RECOMMENDS

Please use original sprockets and blanks from Wire Belt only. The use of other commercially available sprockets can lead to overstretching of the belts and poor engagement with sprocket teeth. This can cause a premature failure of the system.



Clean-Sweep™ Sprockets

Notably new

The innovative line of Clean-Sweep™ sprockets by Wire Belt is specifically designed to deflect the amount of product build-up accumulated on your conveyor drive, from the sprocket. Material loss and material carryout is avoided. The skipping of the belt due to product build-up as well as belt breakage due to incorrect contact with the sprocket teeth of the drive wheels is avoided. The Clean-Sweep™ sprocket's tooth chamfer reduces product deposits and can lengthen the belt life significantly.





ACCESSORIES

EZ-Splice® joining strand

Extraordinarily economical

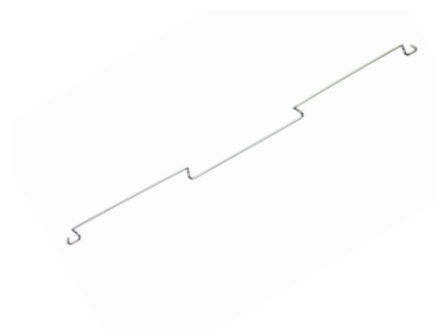
EZ-Splice® is a pre-formed joining strand that prevents troublesome bending or weaving during installation. You will benefit from enormous time and cost-savings by reducing your installation and repair times. EZ-Splice® increases the service life of your belt significantly and decisively supports weak points at the joints.



Joining clips

Simply flawless

Our belt-specific joining clips can be used for simple joining and also for small repairs to the belt. They are available as one-mesh and three-mesh clips..



Joining tubes

Tremendously convenient

Joining tubes promise effortless and fast installation of your belt. They are available for all Flat-Flex® specifications. When using joining tubes in the food sector please adhere to your hygiene regulations.



BELT MAINTENANCE TOOLS

Special tools with precision

Wire Belt offers a unique selection of belt maintenance tools for effortless assembly, disassembly or repair of your metal conveyor belts. Would you like to know more about our precision tools? Contact our service team!



Flat-Flex® FOR SPECIFIC REQUIREMENTS

Are you looking for a solution for a particularly complex product or a unique application with very specific requirements to distribute your products?

That's when you need a belt that can accommodate your processes' difficult handling requirements. Specialty belts are custom-designed and manufactured to your exact specifications. Let us introduce to you the Wirebelt Compound Flat-Flex® conveyor belt.

Those speciality conveyor belts help you move products up an incline or down a decline, maintain product separation, minimise contact between product and conveyor belt and keep the product aligned in rows.

Please contact us for more detailed information.

+49 (0)38823 5445-0

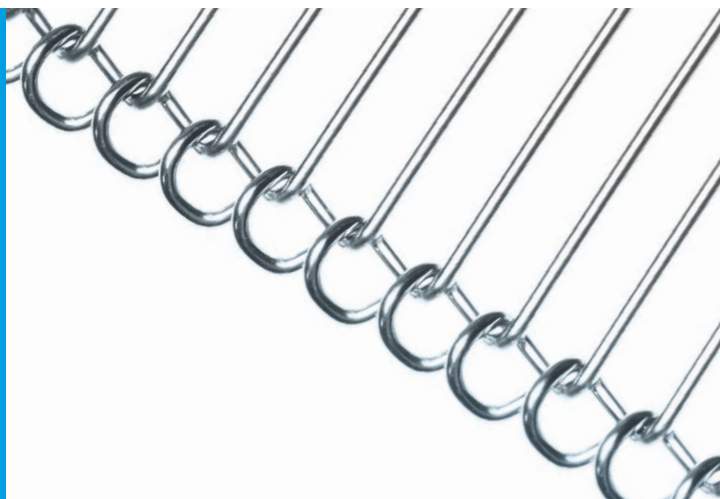
Illustrated sample: Aligned Flat-Flex® specialty conveyor belt



BELT EDGES

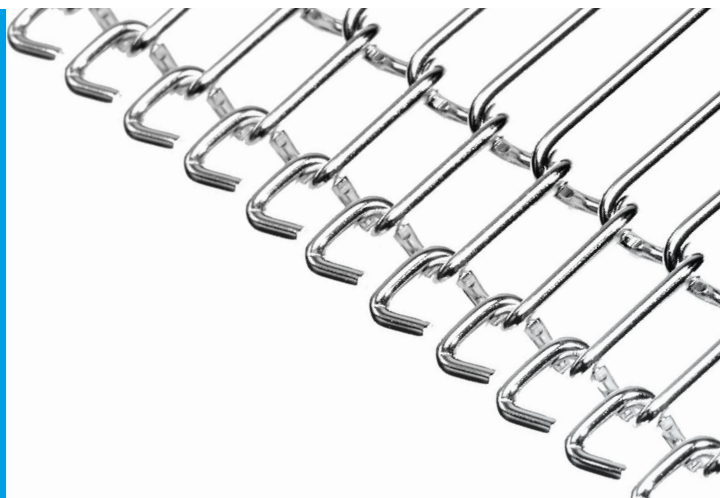
C-CUREEDGE (SLE-CC)

The C-CureEdge® (SLE-CC) Single-Loop-Edge technology eliminates inconvenient catching and tangling of the belt. They are an option for a selected range of Flat-Flex® belts.



DOUBLE LOOP EDGE (DLE)

The Double Loop Edge (DLE) strengthens the edge of your belt and is available with a wire diameter of 0.90 mm to 1.60 mm.



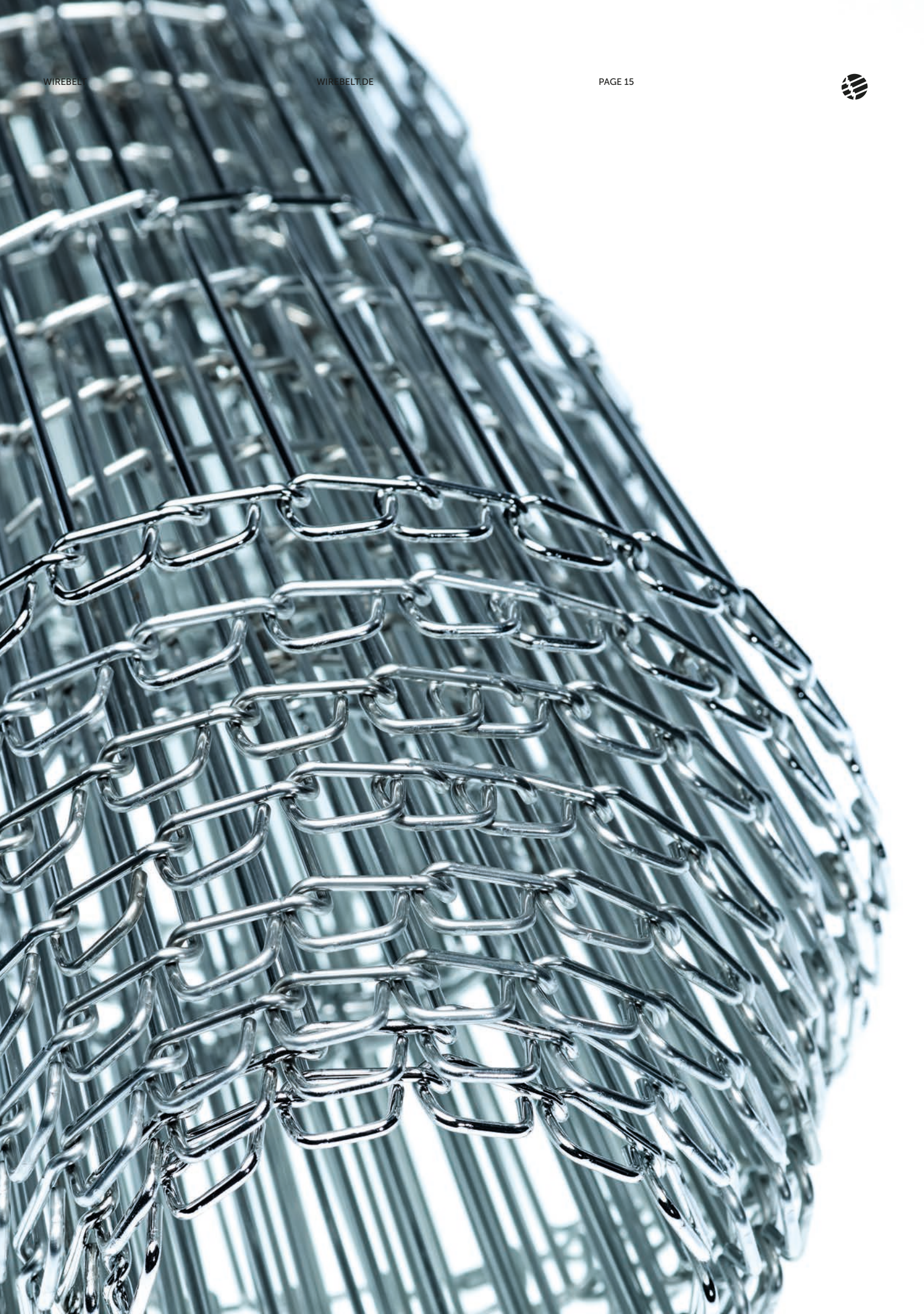
SINGLE LOOP EDGE (SLE)

The Single Loop Edge (SLE) is our standard choice for all wire diameters and the most commonly chosen belt edges.



PREMIUM SERVICE ONLINE AND ON-SITE







©2024 Wire Belt Company Osterloh GmbH

Ringstraße 20

23923 Selmsdorf | Germany

ISO 9001:2015 certified

PHONE: +49 (0)38823 5445-0

WebPAGE: wirebelt.de | **Email:** sales@wirebelt.de



Our policy is one of continuous improvement and we reserve the right to change specifications at any time and without notice, or modify these to suit manufacturing processes. Further information regarding data protection can be found under

wirebelt.de/datenschutz

Distributed by:

