

TwenteFlex

THE FIRST SPIRAL BELT WITHOUT WELDS



Patented design



Full metal



Plastic surface

The innovative spiral belt without welds

TwenteFlex is an innovative designed spiral belt with no welded joints. The links of the TwenteFlex are mechanically locked, accomplished by bending of the cross rod and its lock into the connection link through 180 degrees. This makes TwenteFlex the strongest and most reliable spiral and turncurve conveyor belt for food processing applications.



Curved rods – stronger belt

More strength

With low temperature bending, stainless steel retains its unique material characteristics.

Smooth run, less wear

The rounded belt edge results in a smooth run with less wear and a longer life time.



No welds – major advantages

- Eliminating the main reasons for belt failure and unexpected breakdowns
 - Weld breakage
 - Cross-rod breakage near weld
 - Cage-bar damage by sharp welds
- No corrosion of belt near welds
- No need for pickling and passivating

Available in full metal or with plastic conveying surface

The TwenteFlex spiral belt is available either as a full metal belt or with a modular plastic conveying surface. The TwenteFlex Hybrid with acetal modules is ideal for applications where product release is critical or for specific demands concerning open design and product support.



Optional: Integral side plates

First choice in food processing

Hygienic design

By eliminating welded joints the TwenteFlex has no deadend cavities thus preventing possible hygiene threats. The open design of the belt and its components make the TwenteFlex easy to clean.

Applications

- Proofing
- Cooling
- Freezing
- Steam cooking

Proven reliability and less downtime

The TwenteFlex has been installed in food processing plants all over Europe, where it proves its reliability and excellent product qualities. Ask for our references from satisfied TwenteFlex users.

'It's a big benefit that the TwenteFlex is not welded and thus eliminates major weaknesses. Our end-users see this as a very big advantage.'
Werner Weuthen, Weuthen Engineering,
Mönchengladbach, Germany

Specifications

	TwenteFlex Full Metal		TwenteFlex Hybrid
Belt type	TBU 30	TBU 40	TBU 40 P
Material	Stainless Steel	Stainless Steel	Stainless Steel & Acetal [POM]
Pitch [mm]	30	40	40
Lateral pitch [mm]	Min 4.2 – Max 16.9	Min 4.2 – Max 16.9	16.9 - 53% Open area
Cross rod diameter [mm]	5	6	6
Wire mesh diameter [mm]	1.2 – 1.4 – 1.6	1.4 – 1.6 – 1.8	Not applicable
Inside turn radius	1.7 – 2.2 x Belt Width	1.6 – 2.2 x Belt Width	1.6 – 2.2 x Belt Width
Sprockets (standard)	12 – 16 – 21 Teeth	12 – 16 – 21 Teeth	12 – 16 – 21 Teeth
Options	Integral side plates	Integral side plates	Integral side plates

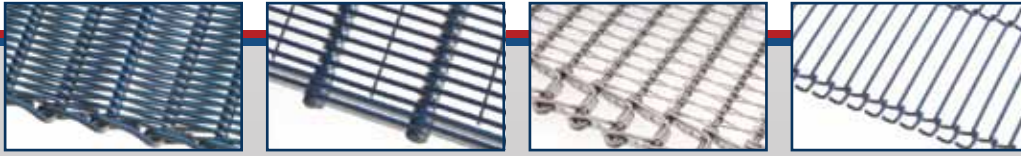


Fit for retrofit

TwenteFlex is designed both to fit in new spiral systems and to refurbish existing systems.

'The rounded belt-edge means that the TwenteFlex runs practically shock-free around the drum. The distance between the products can be accurately calculated.'
Lex Colding, Scanico, Aalborg, Denmark

THE SPECIALIST IN METAL CONVEYOR BELTS



From the metal belt specialist

Twentebelt is a worldwide specialist in metal conveyor belts for the food-processing industry. We engineer and produce our belts to customer needs and requirements. As food-industry specialists, we know the importance of reliability and how to enhance productivity and increase plant efficiency. Twentebelt offers a complete range of metal belts for the food processing industry. Please consult Twentebelt or visit our website to find the best metal conveyor belt for your specific application.

WWW.TWENTEBELT.COM