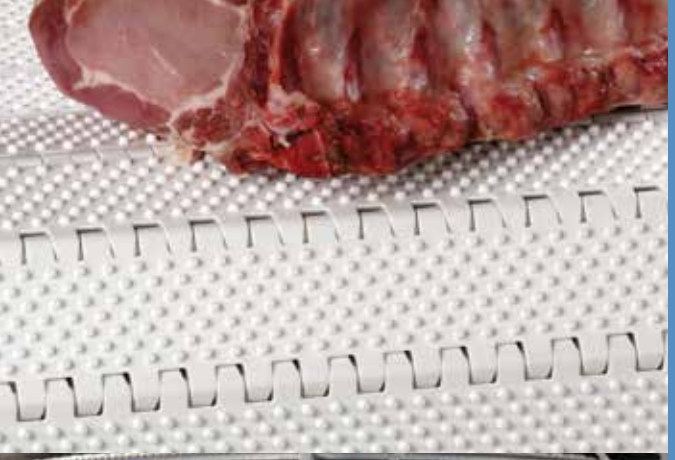
siegling prolink
modular belts

PRODUCT RANGE

Siegling – total belting solutions

forbo
MOVEMENT SYSTEMS



Traditional conveyor belts are often intended for generic use, but the design features of Siegling Prolink modular belts are aimed at providing specific processing and application benefits. This is why the Siegling Prolink modular belts are a perfect addition to Forbo Movement Systems existing wide range of belting products. Our vast experience in conveying and processing applications, combined with our line of highly specialized belts ensure that we can offer optimized conveying solutions regardless of the application. The Forbo Movement Systems name is synonymous with not only superior product quality, but also with professional technical support and quality service.

SIEGLING PROLINK
PLASTIC MODULAR BELTING

Modular means adaptable

Siegling Prolink offer a wide product range with many different module designs. Modules within individual product series can easily be combined. As a result, Siegling Prolink modular belts can be customized to suit individual conveying and processing tasks. We will help you identify the optimal solution for your specific needs.

Siegling Prolink is used successfully in a broad range of applications in industries such as:

– fruit and vegetable processing

– baked goods manufacturing

– meat, poultry and seafood processing

– automotive and tire manufacturing

– logistics

In these areas, Siegling Prolink modular belts often play a significant role beyond conveying.

Benefits of modular belting

Modular belts are robust and durable and can handle conveying and processing tasks which may not be possible with conventional conveyor belting materials and types.

When assembled and installed, modular belts are endless, but if damage occurs, individual modules can quickly be replaced, thereby minimizing down time and maintenance costs. Modular belts can be supplied in any length and width and if needed, functional modules can be added at any time so belt properties can be changed if required.

The Siegling Prolink System – Every belt is a specialist!

Design and quality
Sophisticated module design, precise manufacturing and high-quality materials ensure optimal belt and application performance.

Page 5

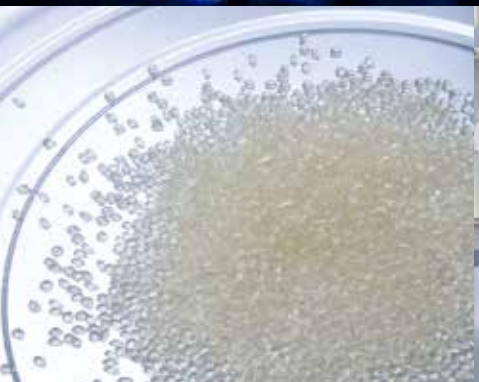
Functions and types
The right belt for any application! The availability of a wide range of Siegling Prolink belts are shown by pitch, surface options and application (straight running and side-flexing)

Page 7

Materials and properties
In addition to standard materials, a lot of belt types are made of special materials. An overview.

Page 25

The high quality standards applied to the manufacturing and fabrication of Siegling Prolink modular belts ensure optimal application performance and the highest level of customer satisfaction. Our products are manufactured in accordance with the ISO 9001 QM-system which is audited and updated quarterly. Manufacturing tolerances, on-going testing and monitoring performed by our highly trained staff ensure a consistent and high level of product quality.



SIEGLING PROLINK
DESIGN AND QUALITY

R & D Concepts

When developing Siegling Prolink modular belts and components, we collaborate closely with OEMs and end-users to ensure that customer expectations and application requirements are met. Many Prolink components are designed for particular conveying applications and processing requirements. This is your guarantee for optimal application performance when utilizing Siegling Prolink modular belts.

- **application-driven module designs for challenging requirements**
- **efficient and effective R&D processes**
- **exceptional value**

Manufacturing quality

Our state-of-the-art design, tooling and processing technology reflect the importance we place on the ability to manufacture flawless components and parts according to specifications. A smooth surface is one of the hallmarks of superior-quality injection molded parts. We place an emphasis on maximizing the quality and consistency of all molded parts.

- **less contamination risk**
- **easy to clean**
- **reliable conveying, even of sensitive products**

Tolerances

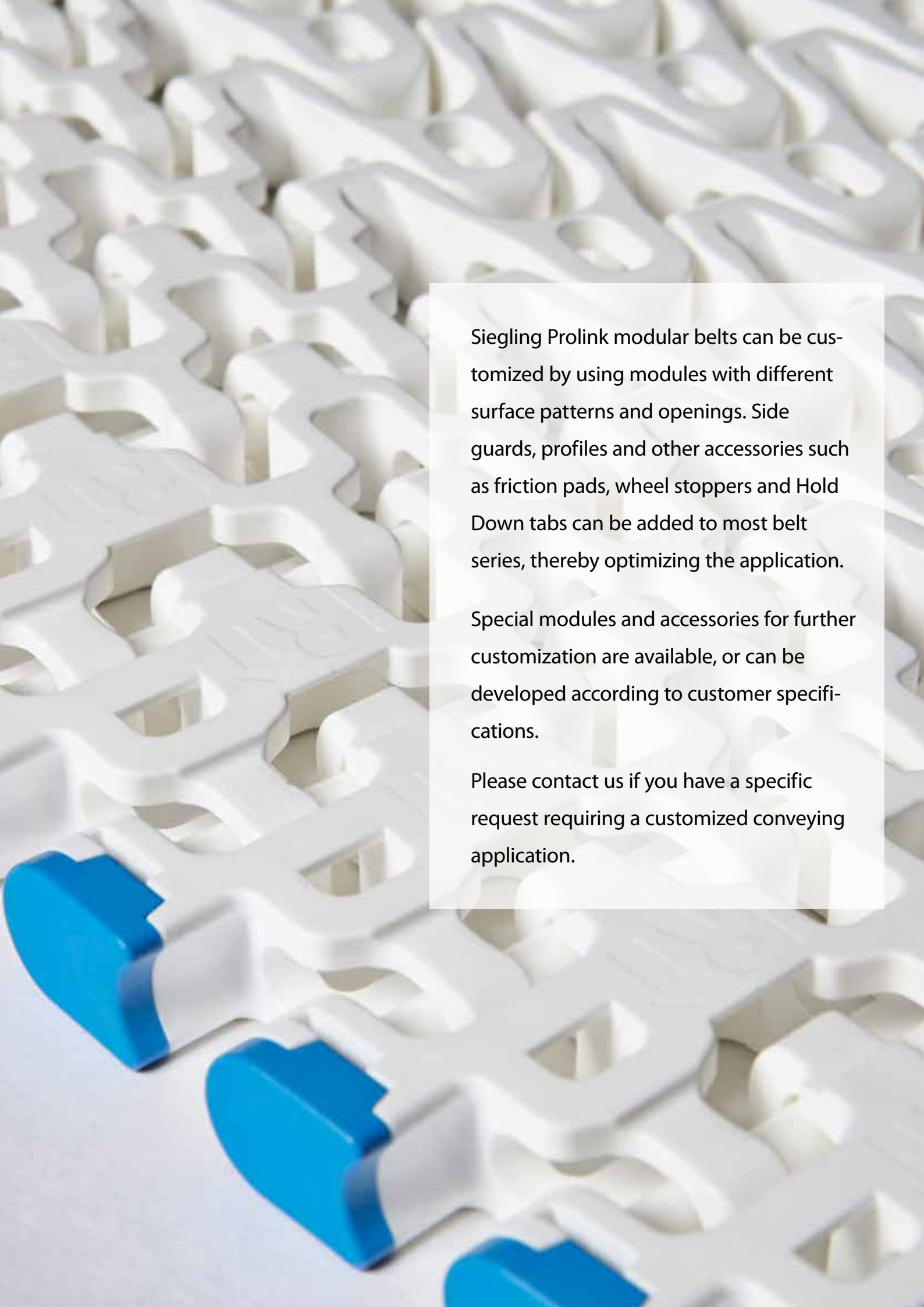
Siegling Prolink injection molded modules and components as well as assembled belts are manufactured to tight tolerances. This is an integral part of our overall product design and allows for easy and efficient fabrication, and belt repair if needed. Reliable, actual belt dimensions are easily obtainable and can help simplify conveyor designs.

- **actual belt dimensions easily obtainable**
- **simplified conveyor designs**

Materials

We apply the same stringent requirements and demands from our material suppliers as we do from ourselves. Close collaboration with suppliers and vendors not only guarantees consistently high-quality parts and components when using standard materials but also when special materials are needed from time to time to meet specific application requirements and conditions. This is especially important if application temperatures are excessive or if chemical degradation from sanitizers is likely.

- **superior functionality under all normal conditions**
- **long service life for belts and components**



Siegling Prolink modular belts can be customized by using modules with different surface patterns and openings. Side guards, profiles and other accessories such as friction pads, wheel stoppers and Hold Down tabs can be added to most belt series, thereby optimizing the application.

Special modules and accessories for further customization are available, or can be developed according to customer specifications.

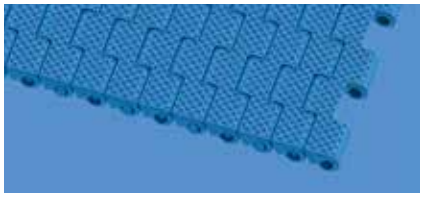
Please contact us if you have a specific request requiring a customized conveying application.

SIEGLING PROLINK
FUNCTIONS AND TYPES

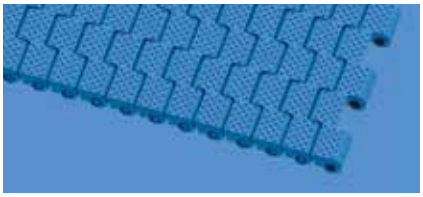
Straight running belts

Pitch 8 mm (0.31 in)

S13 | 0 % open | Flat Top



S13 | 0 % open | Negative Pyramid



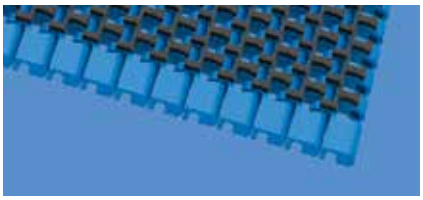
S13 | 0 % open | Cone Top

S13 | 34 % open | Flat Top

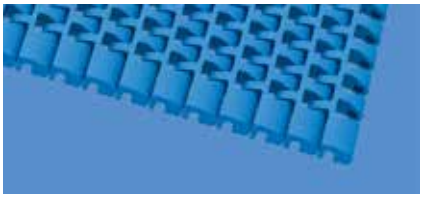
Pitch 12.7 mm (0.5 in)

S14 | 0 % open | Flat Top

S14 | 25 % open | Flat Top



S14 | 25 % open | Friction Top 1



S14 | 25 % open | Curved Top

S15 | 47 % open | Grid Top

S15 | 47 % open | Reduced surface area

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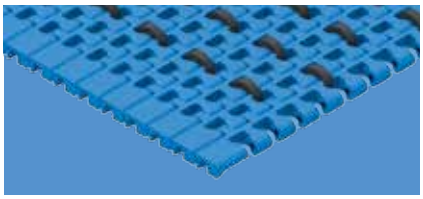
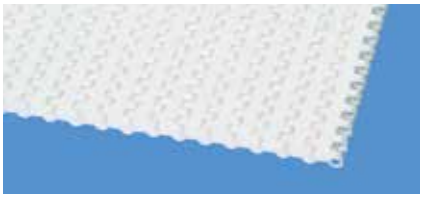
Straight running belts

Pitch 12.7 mm (0.5 in)

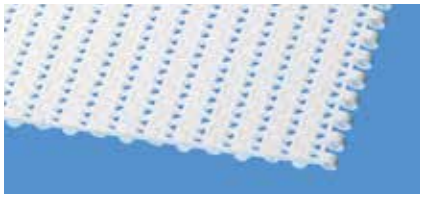


S14 | 0 % open | FLT with PRR

Pitch 14 mm (0.55 in)

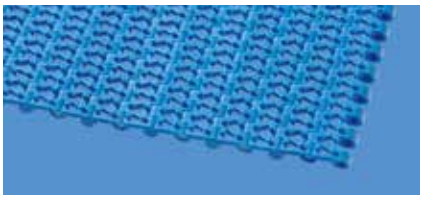


S4.1 | 0 % open | Flat Top

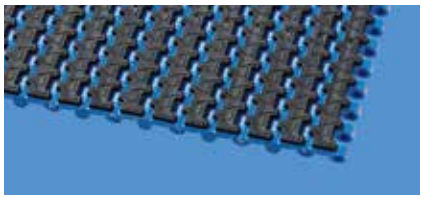


S4.1 | 21 % open | Flat Top

S4.1 | 0 % open | Negative Pyramid



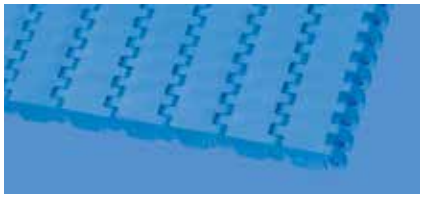
S4.1 | 21 % open | Nub Top



S4.1 | 0 % open | Friction Top 1

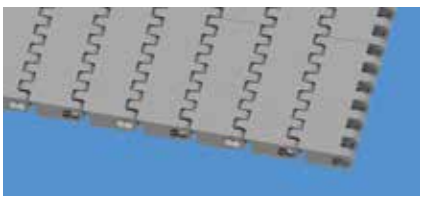
Pitch 25 mm (1 in)

S2 | 0 % open | Flat Top

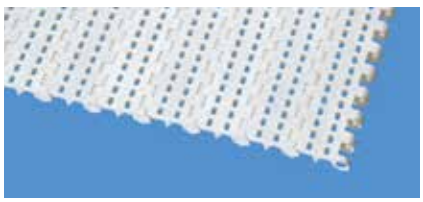


S8.1 | 0 % open | Flat Top

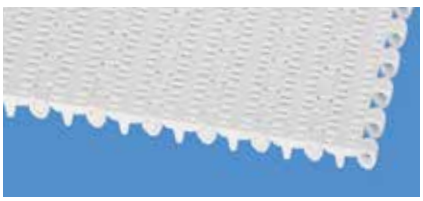
S10 | 0 % open | Flat Top



S17 | 0 % open | Flat Top

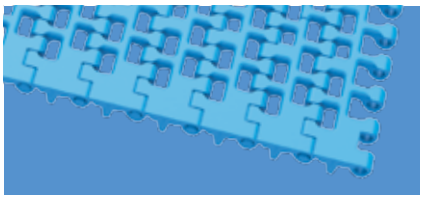


S2 | 12 % open | Flat Top



S10 | 22 % open | Flat Top

Pitch 25 mm (1 in)

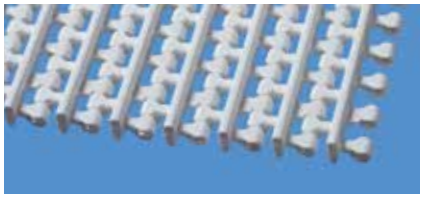


S10 | 36 % open | Flat Top

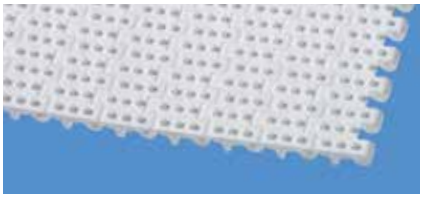
S5 | 45 % open | Grid Top

S2 | 57 % open | Grid Top

S2 | 57 % open | Raised Rib



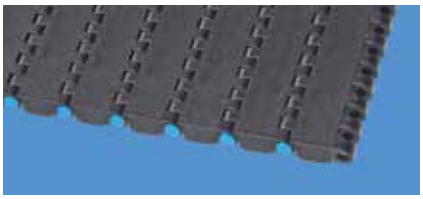
S10 | 36 % open | Lateral Rib



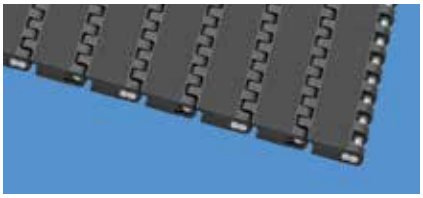
S10 | 0 % open | Nub Top

S8.1 | 25 % open | Radius Top

S2 | 0 % open | Friction Top 1

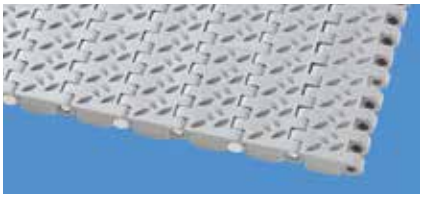


S8.1 | 0 % open | Slip-resistant



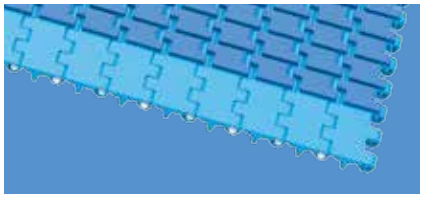
S17 | 0 % open | Slip-resistant

S8.1 | 0 % open | Non Skid

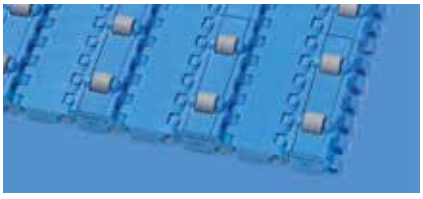


S8.1 | 0 % open | Non Skid 2

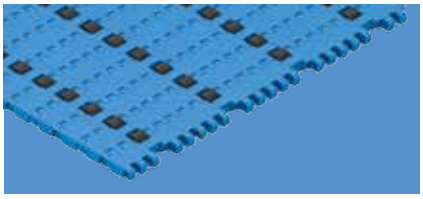
S8 | 0 % open | Friction Top 1



S10 | 0 % open | Friction Top 1

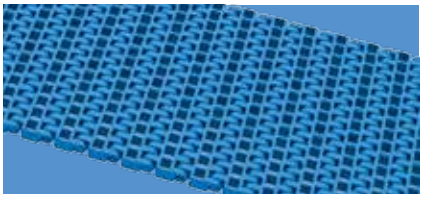


S8 | 0 % open | Roller Top A90



S8.1 | 0 % open | FLT with PRR

S8.1 | 30 % open | Flat Top



S8.1 | 30 % open | Flat Top · guided

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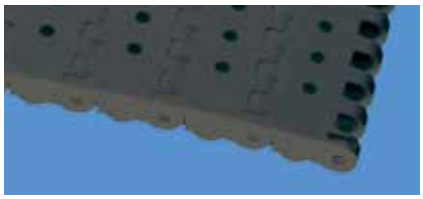
Straight running belts

Pitch 40 mm (1.6 in)

S7 | 0% open | Flat Top



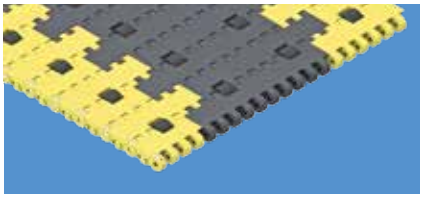
S7 | 6% open | Flat Top

S7 | 0% open | Slip Resistant

S7 | 0% open | Non Skid

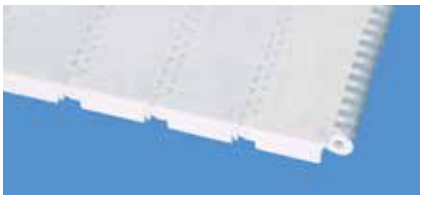
S7 | 6% open | Non Skid

S7 | 0% open | Friction Top 1



S7 | 0% open | FLT with PRR

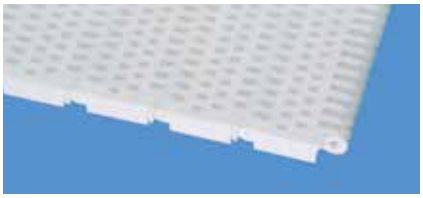
Pitch 50 mm (2 in)



S1 | 0 % open | Flat Top

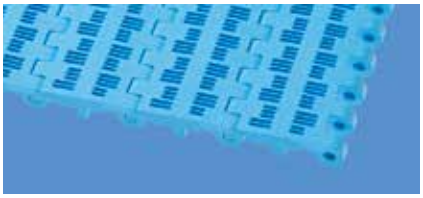
S3 | 0 % open | Flat Top

S6.1 | 0 % open | Flat Top

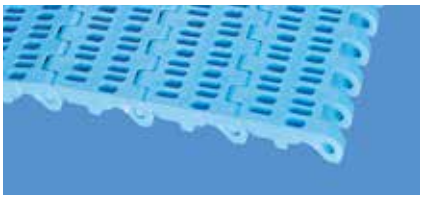


S1 | 18 % open | Flat Top

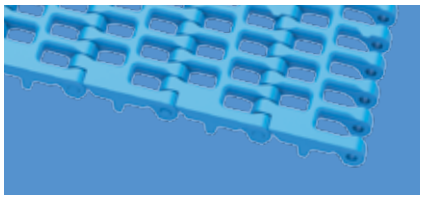
S3 | 16 % open | Flat Top



S6.1 | 21 % open | Flat Top



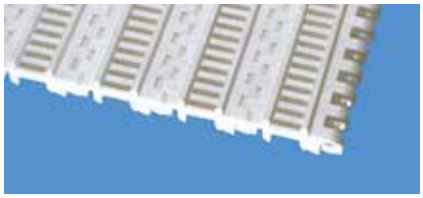
S6.1 | 23 % open | Flat Top



S6.1 | 36 % open | Flat Top

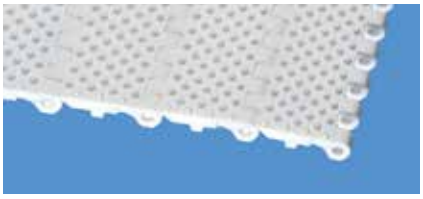
S9 | 57 % open | Grid Top

S3 | 0 % open | Lateral Rib

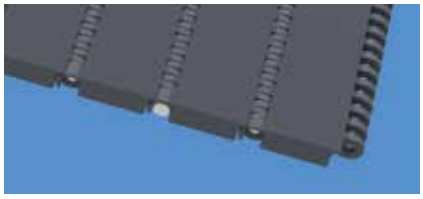


S3 | 16 % open | Lateral Rib

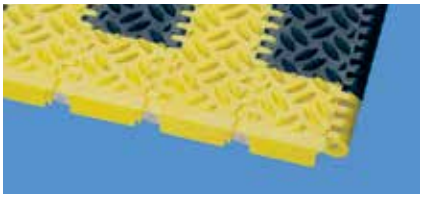
S6.1 | 0 % open | Cone Top



S6.1 | 0 % open | Nub Top

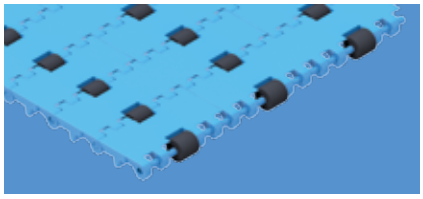


S1 | 0 % open | Slip Resistant



S1 | 0 % open | Non Skid

S1 | 0 % open | Friction Top 1



S6.1 | 0 % open | FLT with PRR

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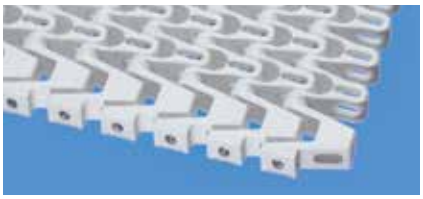
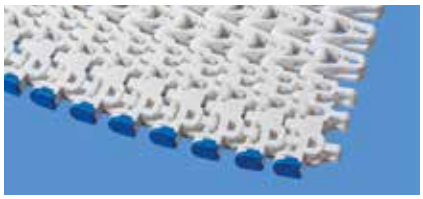
Side flexing and spiral belts

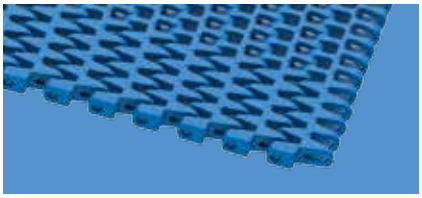
Pitch 25 mm (1 in)



S5 | 45 % open | Grid Top



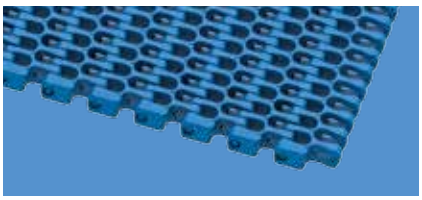
S11 | 45 % open | Grid Top



S18 | 44 % open | Grid Top 1.7

S18 | 44 % open | Grid Top 2.2

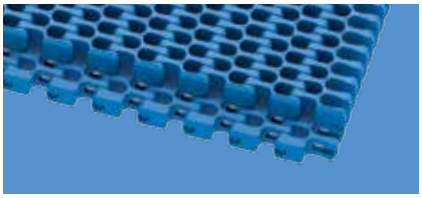
S5 | 45 % open | Grid Top Guided



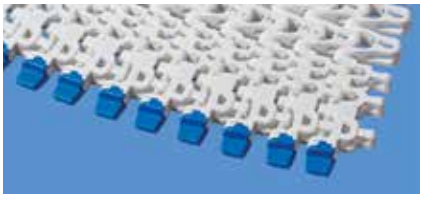
S18 | 44 % open | Grid Top 2.2 Guided

S5 | 45 % open | Grid Top Reverse Guided

S5 | 45 % open | Grid Top Strong



S18 | 44 % open | High Deck 2.2



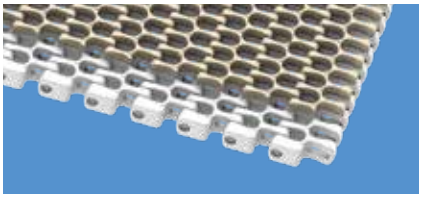
S11 | 45 % open | Hold Down Caps

S5 | 45 % open | Nub Top

S5 | 39 % open | Friction Top 1

S5 | 33 % open | Friction Top 2

S11 | 33 % open | Friction Top 2



S18 | 44 % open | Friction Top 1

S5 | 45 % open | Bearing Tab Module

Pitch 50 mm (2 in)

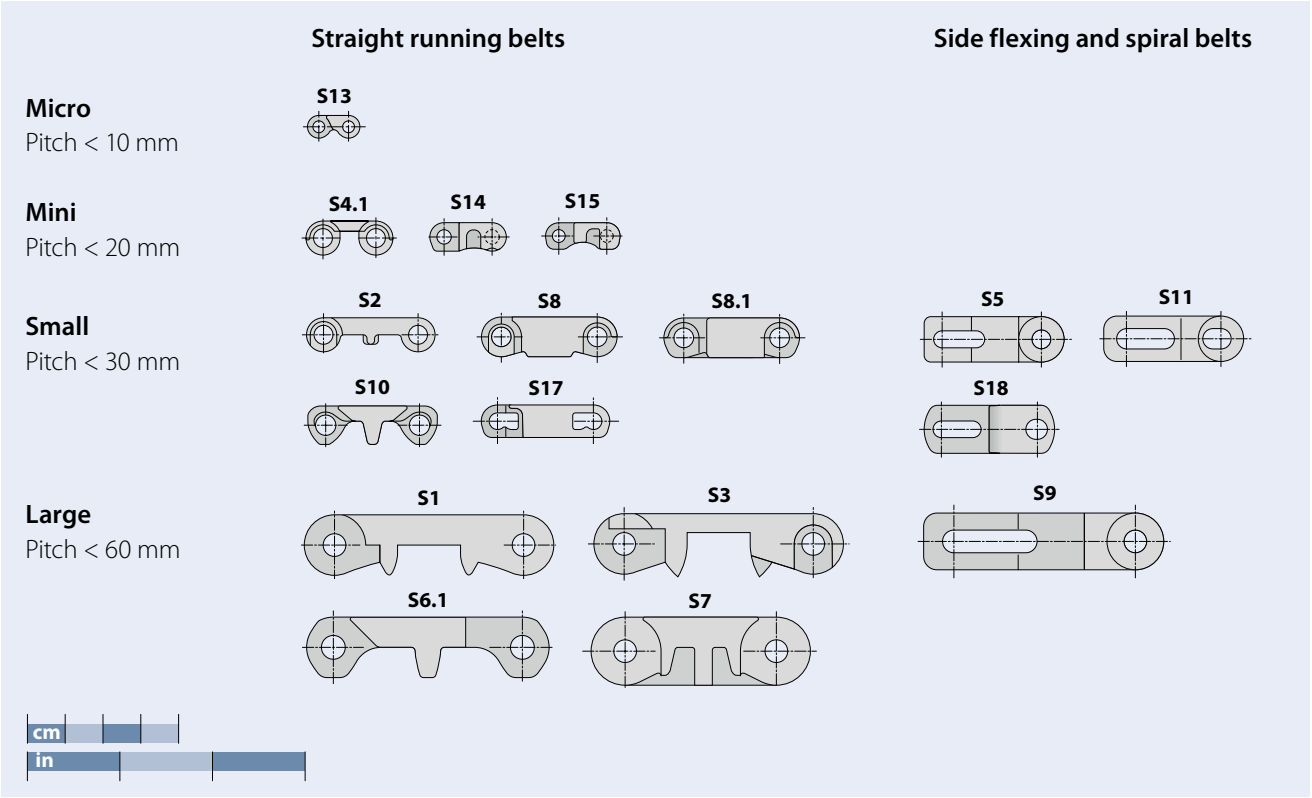
S9 | 57 % open | Grid Top

S9 | 57 % open | Grid Top Guided

S9 | 57 % open | Nub Top

Modular belt series – Overview

Series	Pitch	Description
1	50 mm (2 in)	Medium to heavy-duty belt for industrial conveying tasks. Closed hinge design.
2	25 mm (1 in)	Light-duty belt for food, container handling and industrial use. Open hinge design.
3	50 mm (2 in)	Medium-duty belt for food use. Easy to clean. Open hinge design.
4.1	14 mm (0.55 in)	Light to medium-duty belt for food and non-food use. Small pitch allows tight product transfers using nose bars or sprockets. Open hinge design.
5	25 mm (1 in)	Light to medium-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile side flexing belt with large open area.
6.1	50 mm (2 in)	Medium to heavy-duty belt designed specifically for tasks requiring the highest hygiene standards in meat, poultry and seafood processing, including cutting, deboning and skinning lines. Easy to clean. Open hinge design.
7	40 mm (1.6 in)	Heavy-duty belt with superior pull strength and excellent durability for industrial applications. Designed for heavy loads, such as worker belts for the automotive industry, vehicle conveying, etc. Closed hinge design.
8	25.4 mm (1 in)	Medium to heavy-duty belt for industrial applications. Closed hinge design.
9	50 mm (2 in)	Medium to heavy-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile side flexing belt with large open area.
10	25.4 mm (1 in)	Light to medium-duty belt for hygiene-sensitive products. Easy to clean. Open hinge design.
11	25 mm (1 in)	Side flexing belt for conveying lightweight products. This lightweight belt has an exceptionally low turn radius of 1.4 x belt width.
13	8 mm (0.31 in)	Light-duty micro pitch belt for food and non-food tight-transfer nose bar use. Open hinge design.
14	12.7 mm (0.5 in)	Medium-duty belt for food and non-food use. Small pitch allows tight product transfers. Bottom design optimized for nose bars. Strong closed hinge design.
15	12.7 mm (0.5 in)	Light-duty belt for food applications utilizing 12.7 mm (0.5 in) nose bars
17	25.4 mm (1 in)	Medium to heavy-duty belt for industrial applications. Closed hinge design.
18	25.4 mm (1 in)	Light to medium-duty belt for food and non-food applications



Load index

The following table shows the changes in load capacity between different materials and over all available series.

Straight running belts

Series	PE	PP	POM	PA
S1	60 %	100 %	133 %	–
S2	10 %	17 %	23 %	17 %
S3	20 %	40 %	53 %	–
S4.1	10 %	17 %	33 %	33 %
S5	33 %	60 %	83 %	–
S6.1	43 %	60 %	100 %	100 %
S7	60 %	100 %	200 %	–
S8	–	67 %	133 %	100 %
S8-0 RTP	–	–	67 %	–
S9	40 %	73 %	100 %	80 %
S10-0 FLT, S10-0 NTP, S10-0 FRT1	20 %	27 %	67 %	–
S10-22 FLT	10 %	17 %	37 %	–
S10-36 FLT, S10-36 LRB	13 %	20 %	43 %	43 %
S11	–	30 %	50 %	50 %
S13	–	–	13 %	–
S14	22 %	30 %	80 %	–
S15	–	8 %	17 %	15 %
S17	–	60 %	107 %	–

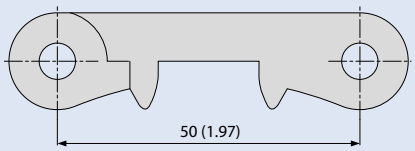
Side flexing and spiral belts

Series	PE	PP	POM	PA
S5	–	56 %	100 %	–
S5 RG, S5 ST	–	67 %	117 %	–
S9	–	89 %	156 %	124 %
S11	–	33 %	56 %	56 %
S18	–	56 %	89 %	–

Straight running belts

Series 1 | Pitch 50 mm (1.97 in)

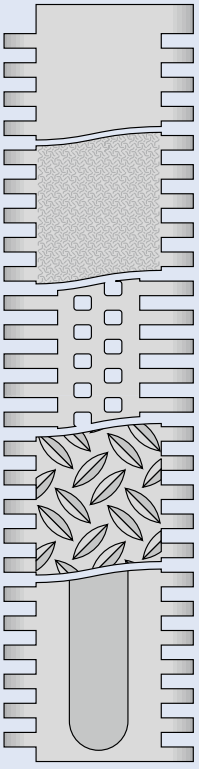
Belts for medium to heavy-duty industrial conveying applications



Design characteristics

- Narrow, closed hinge design provides high belt pull capacity
- Rigid module design makes belt suitable for long conveyors
- Closed solid edge design

Available surface pattern and opening area



S1-0 FLT
Closed, smooth surface

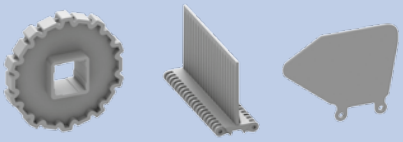
S1-0 SRS
Closed, slip-resistant surface

S1-18 FLT
Open (18 %), smooth surface

S1-0 NSK
Closed surface and non-skid pattern

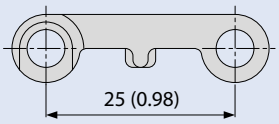
S1-0 FRT1
Closed surface with friction top

Sprockets, profiles and side guards available in different sizes and designs



Series 2 | Pitch 25 mm (0.98 in)

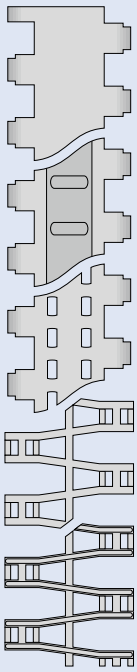
Belts for light-duty food and container handling applications



Design characteristics

- Hinges that open wide provides an easy-to-clean belt design
- Low belt weight reduces energy consumption
- Open edge design on flat top versions for unhindered drainage and closed edge design on grid top and raised rib versions

Available surface pattern and opening area



S2-0 FLT
Closed, smooth surface

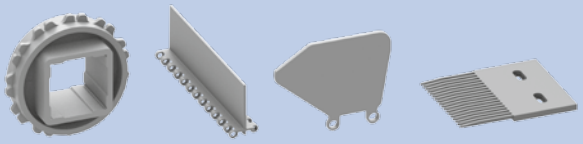
S2-0 FRT1
Closed surface with friction top

S2-12 FLT
Open (12 %), smooth surface

S2-57 GRT
Open (57 %), grid top surface

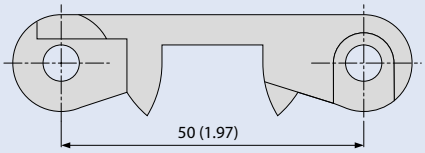
S2-57 RRB
Open (57 %), raised rib surface

Sprockets, profiles, side guards and finger plates available in different sizes and designs



Series 3 | Pitch 50 mm (1.97 in)

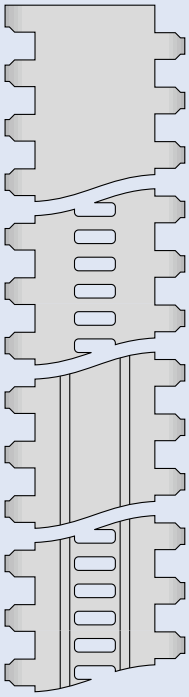
Belts for medium-duty food applications



Design characteristics

- Hinges that open wide, combined with smooth, flat channels on the underside provides an easy-to-clean belt design
- Open edge design for unhindered drainage

Available surface pattern and opening area



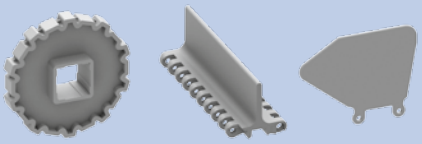
S3-0 FLT
Closed, smooth surface

S3-16 FLT
Open (16 %), smooth surface

S3-0 LRB
Closed surface with lateral ribs

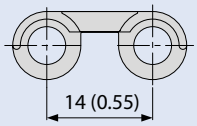
S3-16 LRB
Open (16 %) surface with lateral ribs

Sprockets, profiles and side guards available in different sizes and designs



Series 4.1 | Pitch 14 mm (0.55 in)

Belts for light to medium-duty food and non-food applications

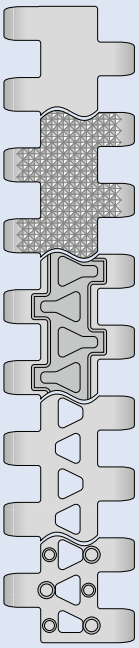


NSF[1] Certified

Design characteristics

- Small pitch belt for applications requiring small transfer gaps
- Hinges that open wide and flat channels on the underside ensure the belt is easy to clean
- Unique sprocket design with rounded tooth edges provides ideal load distribution
- Wide sprocket teeth ensure superior sprocket engagement and strength

Available surface pattern and opening area



S4.1-0 FLT
Closed, smooth surface

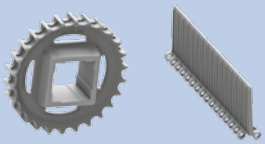
S4.1-0 NPY
Closed surface with inverted pyramid pattern

S4.1-0 FRT1
Closed surface with friction top

S4.1-21 FLT
Open (21 %), smooth surface

S4.1-21 NTP
Open (21 %) surface with round studs. Version available without round studs at the side (25 mm indent)

Sprockets and profiles available in different sizes and designs

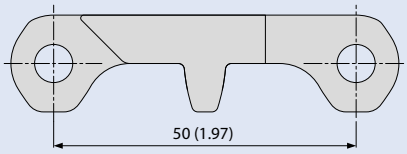


[1] NSF-compliant from these certified Forbo plants: Huntersville (USA), Maharashtra (India), Malacky (Slovakia), Sydney/NSW (Australia), Pinghu (China), Shizuoka (Japan), Tlalnepantla (Mexico)

Straight running belts

Series 6.1 | Pitch 50 mm (1.97 in)

Belts for medium to heavy-duty, hygiene-critical applications

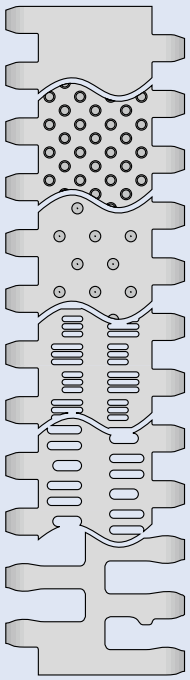


NSF Certified [1)]

Design characteristics

- Wide modules and eyelets for less soiling
- Hinges that open wide, wide channels on the underside and a continuous drive bar for an easy-to-clean design
- Robust design and smooth, cut-resistant surface (depending on material)
- Special sprocket design with enhanced tooth engagement for excellent force transmission

Available surface pattern and opening area



S6.1-0 FLT
Closed, smooth surface

S6.1-0 NTP
Closed surface and round studs

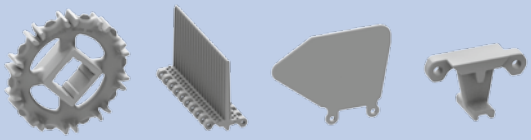
S6.1-0 CTP
Closed surface and pointed studs

S6.1-21 FLT
Open (21 %), smooth surface

S6.1-23 FLT
Open (23 %), smooth surface

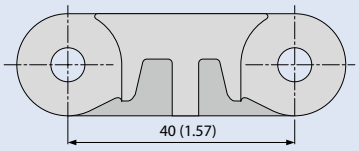
S6.1-36 FLT
Open (36 %), smooth surface

Sprockets, profiles, side guards and Hold Down tabs available in different sizes and designs



Series 7 | Pitch 40 mm (1.57 in)

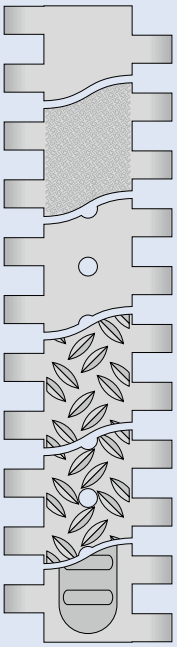
Belts for heavy-duty non-food applications



Design characteristics

- Closed-hinge design provides high belt pull capacity
- Small-pitch relative to belt thickness makes belt suitable for compact, heavily loaded conveyors
- Robust design with large surface contact area ensures superior wear life
- Closed solid edge
- Flame retardant version available (PXX-HC – in line with DIN EN 13501-1)

Available surface pattern and opening area



S7-0 FLT
Closed, smooth surface

S7-0 SRS
Closed, slip-resistant surface

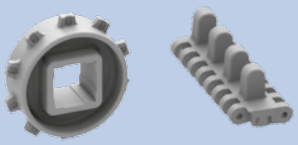
S7-6 FLT
Open (6 %), smooth surface

S7-0 NSK
Closed surface with non-skid pattern

S7-6 NSK
Open (6 %) surface with non-skid pattern

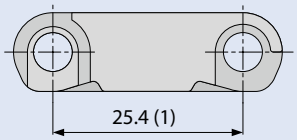
S7-0 FRT1
Closed surface with friction top

Sprockets and wheelstoppers available in different sizes and designs



Series 8 | Pitch 25.4 mm (1 in)

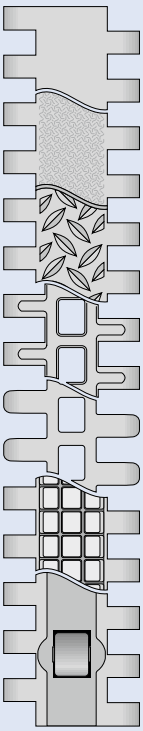
Belts for medium to heavy-duty applications



Design characteristics

- Closed hinge design provides high belt pull capacity
- Rigid module design makes belt suitable for long conveyors
- Exceptionally robust and durable module and sprocket design
- Closed solid edge design
- Flame retardant version available (PXX-HC – in line with DIN EN 13501-1)

Available surface pattern and opening area



S8.1-0 FLT
Closed, smooth surface

S8.1-0 SRS
Closed, slip-resistant surface

S8.1-0 NSK/S8.1-0 NSK2
Closed surface with non-skid pattern

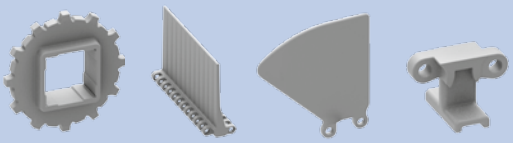
S8.1-25 RAT
Open (25 %) surface with rounded contact surfaces

S8.1-30 FLT
Open (30 %) flat top surface with rounded hinges

S8-0 FRT1
Closed surface with friction top

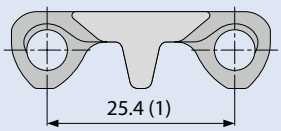
S8-0 RTP A90
Closed surface with roller top

Sprockets, profiles, side guards and Hold Down tabs available in different sizes and designs



Series 10 | Pitch 25.4 mm (1 in)

Belts for light to medium-duty hygiene-critical applications

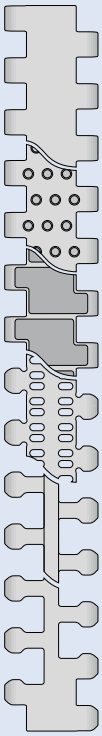


NSF[1] Certified

Design characteristics

- Small number of eyelets ensures easy cleaning
- Hinges that open wide, combined with smooth, flat channels on the underside and a continuous drive bar produce an easy-to-clean design
- Robust design guarantees superior durability
- Optimal design of sprocket teeth and tracking fins provides superior sprocket engagement, safe belt tracking and an easy-to-clean sprocket

Available surface pattern and opening area



S10-0 FLT
Closed, smooth surface

S10-0 NTP
Closed surface with round studs

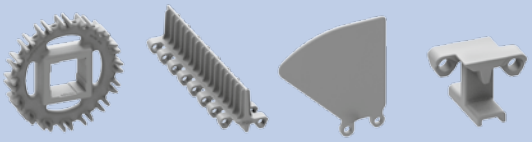
S10-0 FRT1
Closed surface with friction top

S10-22 FLT
Open (22 %), smooth surface

S10-36 LRB
Open (36 %) surface and lateral ribbing

S10-36 FLT
Open (36 %), smooth surface

Sprockets, profiles, side guards and Hold Down tabs available in different sizes and designs

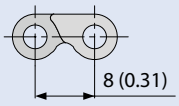


[1] NSF-compliant from these certified Forbo plants: Huntersville (USA), Maharashtra (India), Malacky (Slovakia), Sydney/NSW (Australia), Pinghu (China), Shizuoka (Japan), Tlalnepantla (Mexico)

Straight running belts

Series 13 | Pitch 8 mm (0.31 in)

Belts for light-duty food and non-food nose bar applications

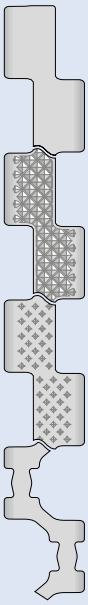


NSF 1) Certified

Design characteristics

- Micro pitch belt with small transfer gaps
- Designed to run over nose bars/knife edges or rollers with a radius down to 3 mm (0.12 in) allowing, precise transfer of even the smallest products
- Versatile for conveying, drying and cooling applications
- Optimal design of sprocket teeth, and belt underside provides superior sprocket engagement, safe belt tracking and good cleaning capabilities
- Belt and sprocket design ensures superior load transmission and belt pull capacity
- Headless pin making it very easy to install and remove the belt for maintenance

Available surface pattern and opening area



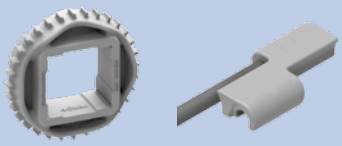
S13-0 FLT
Closed, smooth surface

S13-0 NPY
Closed surface
with inverted pyramid pattern

S13-0 CTP
Closed surface and pointed studs

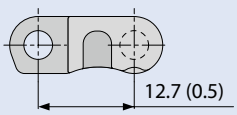
S13-34 FLT
Open (34 %), smooth surface

Sprockets and ProSnap Quick-Release available in different sizes and designs



Series 14 | Pitch 12.7 mm (0.50 in)

Belts for medium-duty food and non-food applications

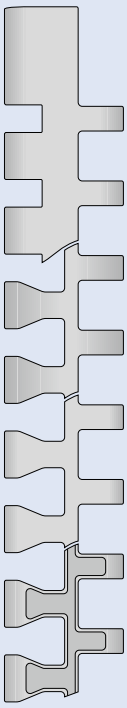


NSF 1) Certified

Design characteristics

- Mini pitch belt with small transfer gap
- Robust design guarantees superior durability and high belt pull capacity
- Design for smooth run on 19 mm (0.75 in) nose bar
- Headless pin system, making it easy to install and remove the belt for maintenance
- Closed, solid belt edge to prevent belt edge damages

Available surface pattern and opening area



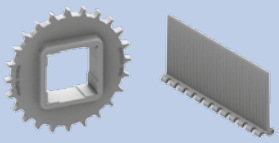
S14-0 FLT
Closed, smooth surface

S14-25 FLT
Open (25 %), smooth surface

S14-25 CUT
Open (25 %) surface with
curve top surface

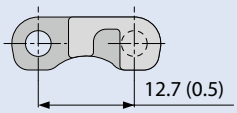
S14-25 FRT1
Open (25 %) surface with friction top

Sprockets and profiles available in different sizes and designs



Series 15 | Pitch 12.7 mm (0.50 in)

Belts for light-duty food applications utilizing 12.7 mm (0.5 in) nose bars

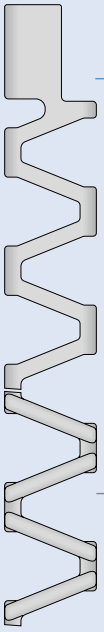


NSF[1] Certified

Design characteristics

- Mini-pitch belt with large open area for optimum airflow
- Scalloped underside facilitates smooth product transfer over a 12.7 mm (0.5 in) diameter nose bar.
- Open hinge for improved sanitation
- Narrow 25 mm (1 in) width increments offer superior support of conveyed products
- Solid and robust edge design incorporating improved pin retention
- Headless one-piece pin for easy installation and removal
- Sprockets with large solid tooth insures superior load transmission and long wear life

Available surface pattern and opening area



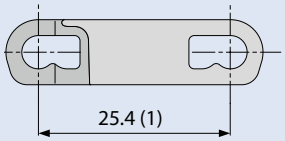
S15-47 GRT
Open (47 %), lattice-shaped surface

S15-47 RSA
Open (47 %), lattice-shaped surface with reduced surface area

Sprockets available in different sizes and designs

Series 17 | Pitch 25.4 mm (1 in)

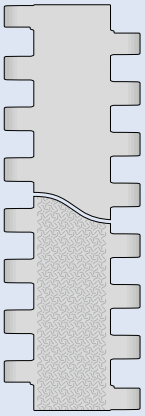
Belts for medium to heavy-duty applications



Design characteristics

- Closed hinge design provides high belt pull capacity
- A rigid module design allows optimal utilization of belt pull capacity relative to belt weight
- Robust design guarantees durability
- Unique 'keyhole' pin retention system ensures easy pin removal

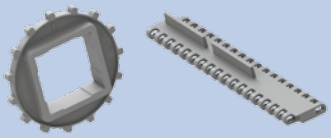
Available surface pattern and opening area



S17-0 FLT
Closed, smooth surface

S17-0 SRS
Closed, slip-resistant surface

Sprockets and profiles available in different sizes and designs

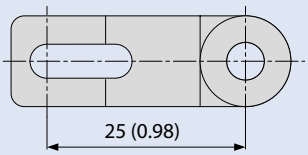


[1] NSF-compliant from these certified Forbo plants: Huntersville (USA), Maharashtra (India), Malacky (Slovakia), Sydney/NSW (Australia), Pinghu (China), Shizuoka (Japan), Tlalnepantla (Mexico)

Side flexing and spiral belts

Series 5 | Pitch 25 mm (0.98 in) | $C_c = 2.0$

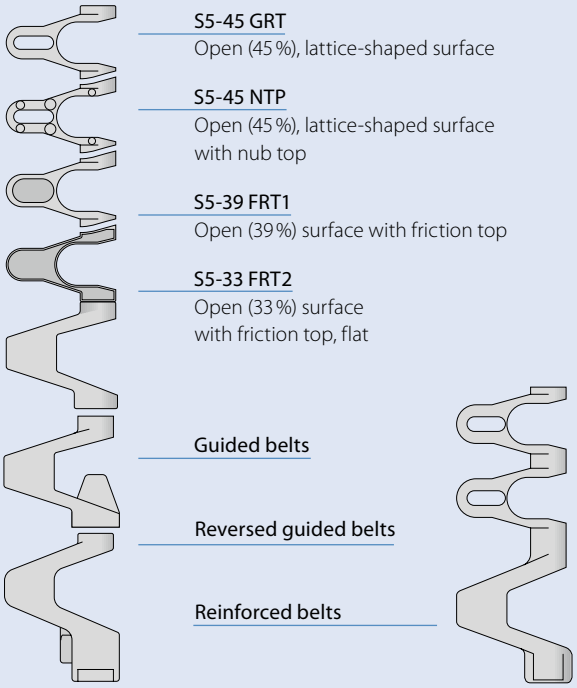
Belts for light to medium-duty food and non-food applications



Design characteristics

- Suitable for both straight and radius conveying
- Up to 45 % open area for excellent air circulation and drainage
- Stainless steel hinge pins for high load capacity, lateral stiffness, fewer belt supports and minimum belt lifting in curves
- No potential belt edge catch points due to safe fixing of hinge pins
- The combination S5 ST/S11-45 GRT ensures high belt pull capacety and small radii (C_C 1.45) in one directional curve layouts

Available surface pattern and opening area



S5-45 GRT
Open (45 %), lattice-shaped surface

S5-45 NTP
Open (45 %), lattice-shaped surface with nub top

S5-39 FRT1
Open (39 %) surface with friction top

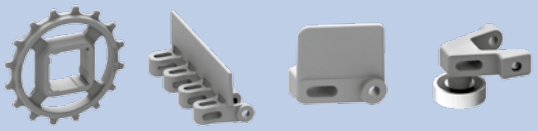
S5-33 FRT2
Open (33 %) surface with friction top, flat

Guided belts

Reversed guided belts

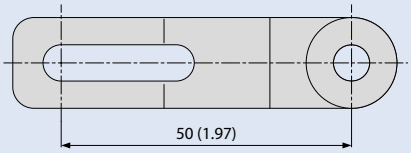
Reinforced belts

Sprockets, profiles, side guards and ball-bearing modules available in different sizes and designs



Series 9 | Pitch 50 mm (1.97 in) | $C_c = 1.8$

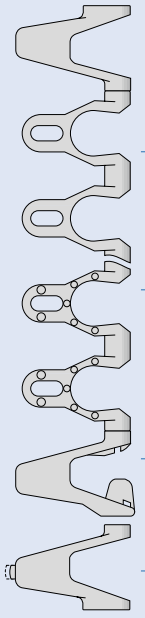
Belts for medium to heavy-duty food and non-food applications



Design characteristics

- Suitable for both straight and radius conveying
- 57 % open area for excellent air circulation and drainage
- Stainless steel hinge pins for high load capacity, lateral stiffness, fewer belt supports and minimum belt lifting in curves
- No potential belt edge catch points due to safe fixing of hinge pin

Available surface pattern and opening area



S9-57 GRT
Open (57 %), lattice-shaped surface

S9-57 NTP
Open (57 %), lattice-shaped surface with nub top

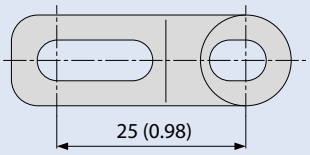
Guided belts

Longer side modules

Sprockets, profiles and side guards available in different sizes and designs

Series 11 | Pitch 25 mm (0.98 in) | $C_c = 1.4$

Belts for light-duty food and non-food applications

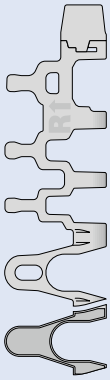


Design characteristics

- 45 % open area provides excellent cooling and draining capabilities
- All plastic lightweight belts (plastic pins)
- Tight radius belt with minimum curve radius of 1.4 x belt width
- Outermost hinge is fixed to the pin to prevent deflection and elimination of potential belt edge catch points
- Suitable for both straight and radius conveying
- Ideal transmission of force due to sprockets offset inwards. Idlers support the belt on the outside

Available surface pattern and opening area

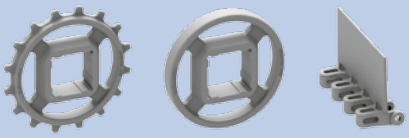
S11-45 GRT
Open (45 %), lattice-shaped surface with replaceable caps



S11-45 GRT HD
Open (45 %), lattice-shaped surface with replaceable Hold Down caps

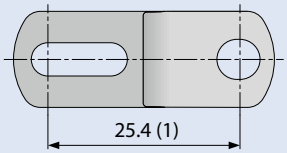
S11-33 FRT2
Open (33 % for full FRT2 surface area), surface with friction top, flat

Sprockets/idlers and profiles available in different sizes and designs



Series 18 | Pitch 25.4 mm (1 in) | $C_c = 1.7/2.2$

Belts for light to medium-duty food and non-food applications

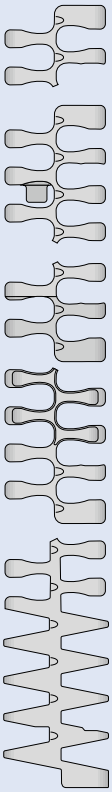


NSF[1] Certified

Design characteristics

- 44 % open all plastic light weight belt suitable for both straight and radius conveying
- Grid structure for handling of small products
- High curve belt pull capacity
- Easy to clean belt for direct food contact
- Superior lateral stiffness and rigidity for an all-plastic belt

Available surface pattern and opening area



S18-44 GRT 2.2
Open (44 %), lattice-shaped surface

S18-44 GRT 2.2 G
Open (44 %), lattice-shaped surface and Hold Down Tabs

S18-44 HDK 2.2
Open (44 %), lattice-shaped surface and High Deck

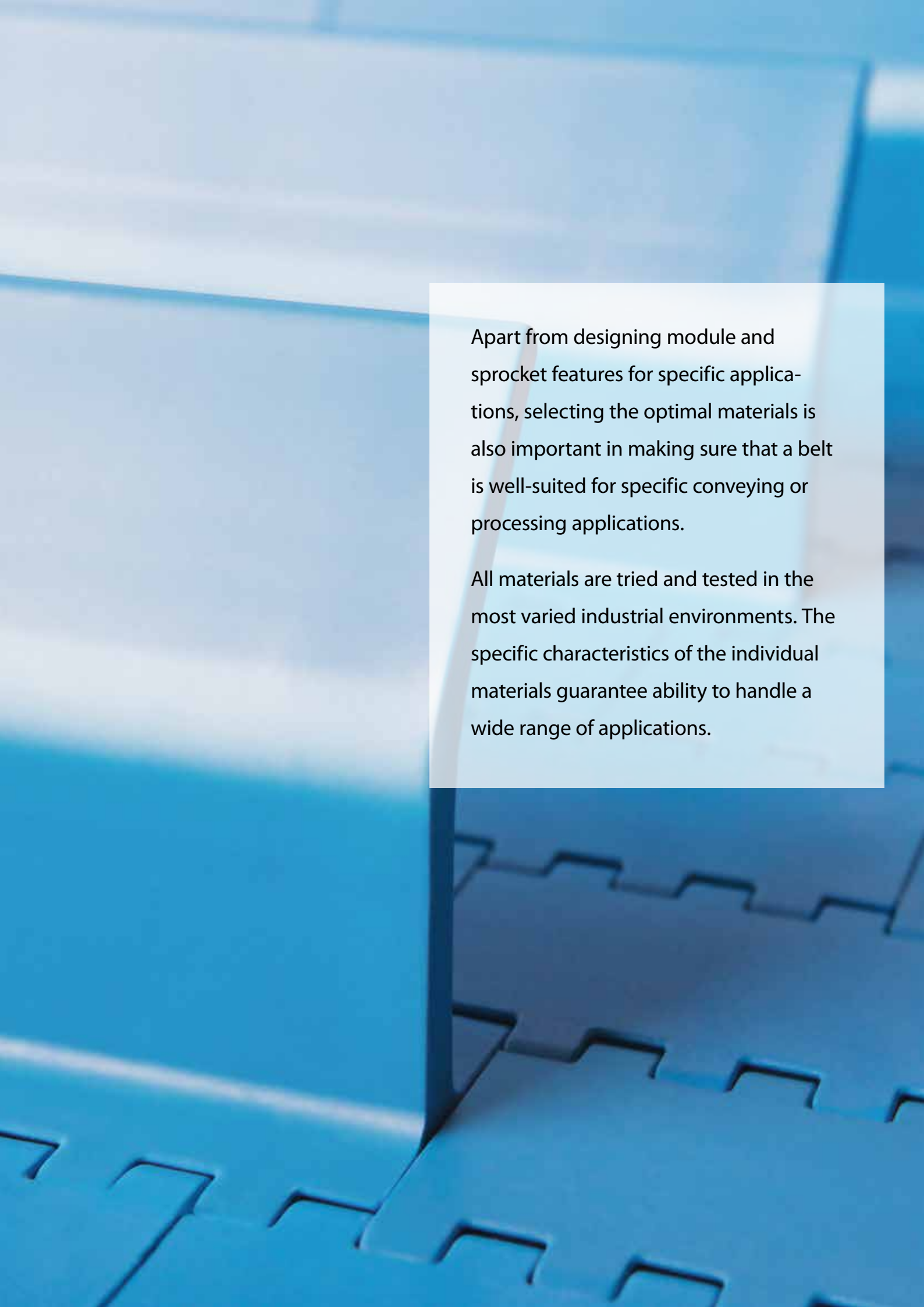
S18-44 FRT1 2.2
Open (44 %), lattice-shaped surface with friction top

S18-44 GRT 1.7
Open (44 %), lattice-shaped surface

S18-44 GRT 2.2/1.7 CW
S18-44 GRT 1.7/2.2 CCW
Open (44 %), lattice-shaped surface
CW = Clockwise (right hand curve)
CCW = Counter Clockwise (left hand curve)
(picture shows CCW)

Sprockets available in different sizes and designs

[1] NSF-compliant from these certified Forbo plants: Huntersville (USA), Maharashtra (India), Malacky (Slovakia), Sydney/NSW (Australia), Pinghu (China), Shizuoka (Japan), Tlalnepantla (Mexico)



Apart from designing module and sprocket features for specific applications, selecting the optimal materials is also important in making sure that a belt is well-suited for specific conveying or processing applications.

All materials are tried and tested in the most varied industrial environments. The specific characteristics of the individual materials guarantee ability to handle a wide range of applications.

SIEGLING PROLINK
MATERIALS AND PROPERTIES

Materials

PA	=	Polyamide
PA-HT	=	PA high temperature resistant
PBT	=	Polybutylene terephthalate
PE	=	Polyethylene
PE-I	=	PE impact resistant
PE-MD	=	PE metal detectable
PLX	=	Wear and impact improved polymer
POM	=	Polyoxymethylene/Polyacetal
POM-CR	=	POM cut resistant
POM-HW	=	POM highly wear resistant
POM-HC	=	POM highly conductive
POM-MD	=	POM metal detectable
PP	=	Polypropylene
PP-MD	=	PP metal detectable
PP-SW	=	PP steam and hot water resistant
PXX-HC	=	PXX self-extinguishing, highly conductive
TPC1	=	Thermoplastic copolyester

Belt material orientation chart

Every material has a unique combination of strengths. The following table provides an overview of all Siegling Prolink materials and their properties rated from 1 (bad) to 10 (good).

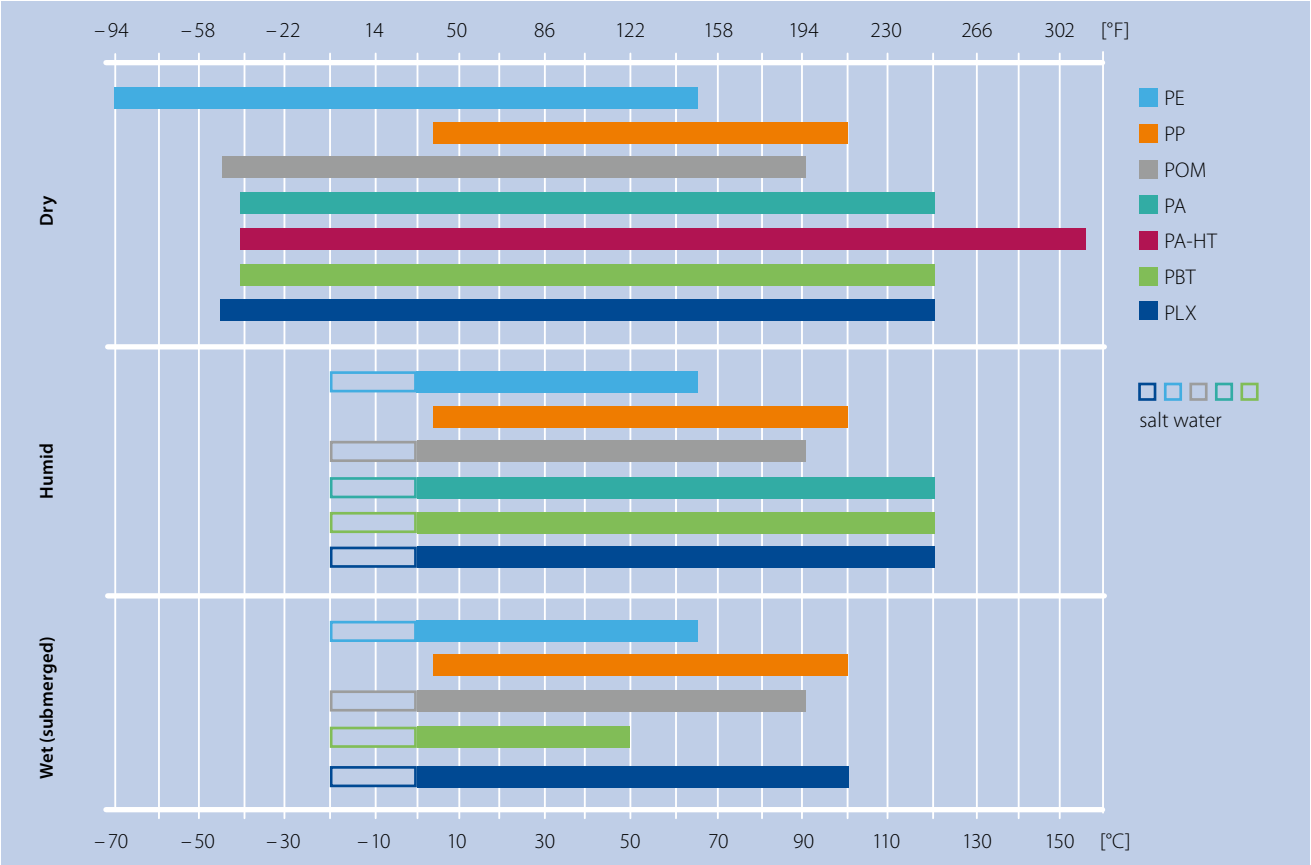
	Belt pull capacity	Impact strength	Wear resistance	High temperature	Low temperature	Price	Direct food contact	Submerged in water	Metal detectable	Antistatic	Flame retardant	Suitable for microwave applications
PE	2	8	2	3	9	9	Yes	Yes	No	No	No	Yes
PE-I	2	9	2	3	9	9	Yes	Yes	No	No	No	No
PP	4	3	3	7	3	9	Yes	Yes	No	No	No	Yes
POM	8	4	7	6	7	7	Yes	Yes	No	No	No	No
POM-CR	8	6	7	6	7	7	Yes	Yes	No	No	No	No
PA	8	4	8	8	6	7	Yes	No	No	No	Yes	No
PA-HT	7	6	9	9	5	6	Yes**	No	No	No	No	No
PE-MD	2	7	2	3	9	6	Yes	Yes	Yes	No	No	No
PP-MD	4	2	3	7	3	8	Yes	Yes	Yes	No	No	No
PP-SW	3	4	3	8	3	8	Yes	Yes	No	No	No	No
POM-MD	7	3	7	6	7	2	Yes	Yes	Yes	No	No	No
POM-HC	7	3	7	6	7	4	No	Yes	No	Yes	No	No
PXX-HC	4	3	3	7	3	4	No	Yes	No	Yes	Yes	No
TPC1	2	10	10*	5	5	2	Yes	Yes	No	No	No	No

* for applications in abrasive particles, ** only in BL (blue)

Use of materials

Application environment		Belt modules	Pins
General conveying	General conveyor (> 10 °C/> 50 °F)	PP	PP
	Aggressive chemicals (strong acid etc.)	PP	PP
	Impact and/or low temperature (<10 °C/<50 °F)	PE (PE-I)	PE
	High load	POM	PBT
Abrasive	Deboning and trimming	POM-CR	PBT
	Wet, light load (Temperature <50°C (122°F))	PP	PBT
	Wet, high load (Temperature <50°C (122°F))	POM	PBT
	Dry	POM	PBT
Increased temperature	Boiling and steaming, up to 100 °C (212 °F)	PP-SW	PP-SW
	Dry, high load up to 90 °C (194 °F)	POM	PBT
	Wet, high load up to 90 °C (194 °F)	POM	POM
	Dry up to 120 °C (248 °F), FDA/EU	PA	PBT
	Dry up to 155 °C (311 °F), not FDA/EU	PA-HT	PA-HT

Temperature ranges



HACCP requirements

New regulatory requirements are forcing food manufacturers to adopt increasingly stringent hygiene standards and sanitation procedures. Conventional conveyor and processing belts often cannot comply with these requirements, but Siegling Prolink modular belts are designed to effectively support your HACCP concept.

Declaration of compliance

FDA/EU

Siegling Prolink modular belts made of the following materials are proven to comply with FDA 21 CFR as well as the (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds:

	WT	LG	BK	LB	BL	DB	UC	BG	OR
PE	●	●	●	●	●	●	●		●
PE-I							●		
PP	●	●		●	●	●	●		●
POM	●	●		●	●	●			●
POM-CR	●	●		●	●	●			●
PA		●			●				
PA-HT					●				
PE-MD					●				
PP-MD					●				
PP-SW	●			●	●				
POM-MD					●				
PBT				●	●		●		
PLX					●		●		
TPC	●			●			●		
TPE R7			●					●	
TPE R8								●	

Colors*
- **BL** = Blue
- **BG** = Beige
- **BK** = Black
- **DB** = Dark blue
- **LB** = Light blue
- **LG** = Light gray
- **OR** = Orange
- **UC** = Uncolored
- **WT** = White

* Please refer to the table for each series' standard colours. A number of other colors are available on request. Colors can vary from the original due to the print, production processes or material used.

MHLW

Siegling Prolink modular belts made of the following materials comply with Japanese Food Regulation (Ministry of Health and Welfare #370).

	WT	LG	BK	LB	BL	DB	UC	BG	OR
PE	●			●			●		
PP	●			●			●		
POM					●				

Halal

All Siegling POM Prolink modular belts are certified as being compliant with Halal regulations by IFRC Asia (member of the World Halal Council).

Siegling – total belting solutions

Committed staff, quality oriented organization and production processes ensure the constantly high standards of our products and services.

Forbo Movement Systems complies with total quality management principles. Our quality management system has ISO 9001 certification at all production and fabrication sites. What's more, many sites have ISO 14001 environmental management certification.

Our service – anytime, anywhere

Forbo Movement Systems employs around 2,500 people in its group of companies. Our products are manufactured in ten production facilities across the world.
You can find companies and agencies with warehouses and workshops in over 80 countries.
Service points are located in more than 300 places worldwide.

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MOVEMENT SYSTEMS

Ref. no. 800-2
01/24 · UDH ·