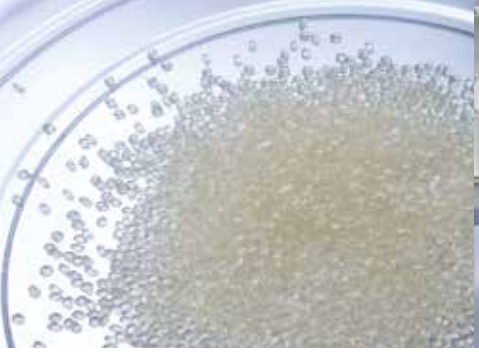
siegling
belting

SAFE, CLEAN AND SUSTAINABLE FOR FOOD

Siegling – total belting solutions

forbo
MOVEMENT SYSTEMS




HYGIENIC BELTING
FDA/EU, HALAL and MHLW compliance
blue contrasting color
resistance to hydrolysis
good release properties
resistance to oil and grease
belt edge sealings
HACCP

CLEAN, EFFICIENT AND ALWAYS **ONE STEP AHEAD**

The food industry's a fast-paced environment. As material flow and intralogistics experts we monitor the market carefully and liaise closely with OEMs and end customers.

Today's challenges and requirements shape the direction our research and development takes. The results are practical product innovations that help our customers to gain a competitive edge.

Which is why Forbo Movement Systems guarantees consistent support of your HACCP concept and production processes. We also provide comprehensive services and advice the world over. And you can rest assured that our products and services will meet the demands of tomorrow's world too.

Contents

HYGIENE FROM START TO FINISH
SUPERIOR RELIABILITY IN ALL PROCESSES

With our in-depth experience of processes in all areas of the food industry, Forbo Movement Systems provides conveyor and processing belts, appropriate accessories and the skills to match.

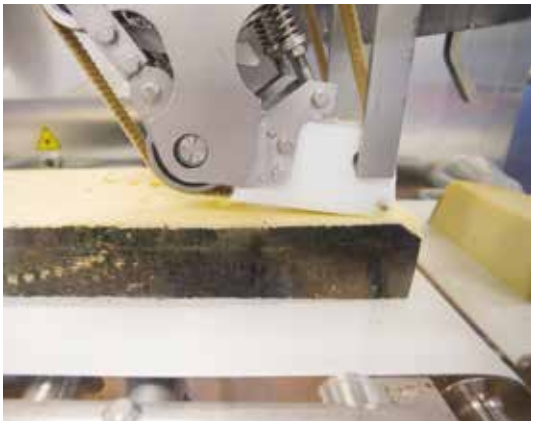
We focus on flawless hygiene and top productivity – so that you can produce food reliably, safely and competitively.

Confectionery production

Forbo belts are ideal for all sorts of confectionery production – from chocolate to chewing gum. Their special characteristics support all sorts of processes such as mixing, cooling, weighing, metal detecting and packaging.

Processing meat, poultry, seafood and alternative proteins

From slaughtering to packaging, Forbo belts are excellent choices when it comes to productivity and food safety. Products made of alternative proteins are also becoming increasingly important. For each step in the process, all protein sources need conveyor and processing belts that guarantee food safety and are efficient and cost effective.



Dairy industry

In all processes in the dairy industry, from coagulating the milk to portioning, filling and packaging the finished products, Forbo belts tick all the boxes when it's a question of hygiene and reliable production.

Dough processing

Conveyor and processing belts handle virtually all processing phases in today's baked goods industry. In the production of baked goods, Forbo belts reliably ensure efficient processes and a high standard of food safety.

Agricultural industry

Fruit and vegetable production involves a diverse range of processes. To achieve high-quality results, it's vital that produce is conveyed quickly and gently. Forbo belts treat products carefully, are fast and therefore cut production times.

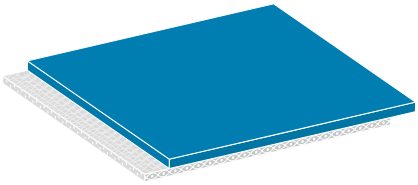
Packaging

Forbo ensures effective and dependable packaging processes thanks to a wide range of belts. Therefore, you can exploit your quality and productivity potential to the full.

A BELT SELECTION
THAT'S UNBEATABLE

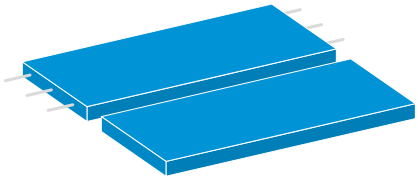
Each belt needs to be a perfect match. With the conveyor, product and process. To exploit the conveyor's full potential, there should be no compromises on the belts chosen.

Forbo belts from four product groups, each with function-geared fabrication options, guarantee end-to-end, tailored belt solutions.



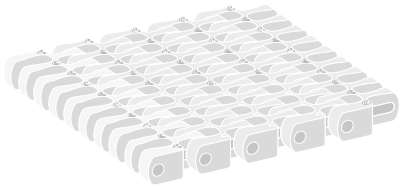
siegling transilon
conveyor and processing belts

Multi-layered, fabric-based belts ensure efficient materials flow and economical process flows in all areas of light conveyor technology.



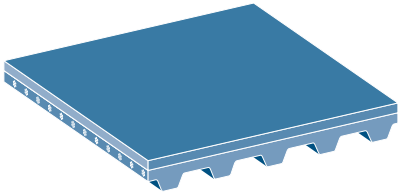
siegling fullsan
homogenous belts

Homogenous, thermoplastic, polyurethane belts ideal for exceptionally hygiene-critical applications. All Fullsan belts are protected from contamination by oil, grease and bacteria.



siegling prolink
modular belts

Different types of modules made of homogenous plastics and connected with hinge pins to module belts. They are often ideal for combining conveying and processing.



siegling proposition
timing belts

Form-fit timing belts made of homogenous plastics and with various tension members; they are perfect for challenging acceleration, timing and positioning processes.




siegling transilon
conveyor and processing belts

CONVEYOR AND PROCESSING BELTS

… are multi-layer, fabric-based belts for a wide range of conveying and processing jobs. They are true all-rounders or special belts for special applications throughout all segments of the food industry.

EU/FDA/ MHLW #370 COMPLIANT

In terms of feedstock and migration figures, all HACCP types comply with the most important provisions and regulations (see symbols on the left). In the food segment, the majority of the Transilon PU- and PVC-types are certified as complying with Halal regulations by IFRC Asia (a member of the World Halal Council).

The advantages:

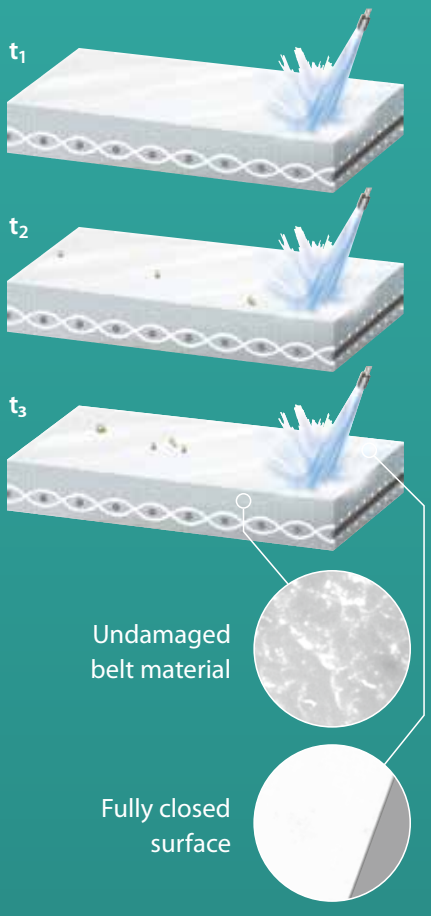
- Multiple belt types for each stage of food production
- Customizable features (e.g. surfaces, profiles, side walls)
- Low energy requirements, very small drum diameters, short take-up ranges possible

Further info

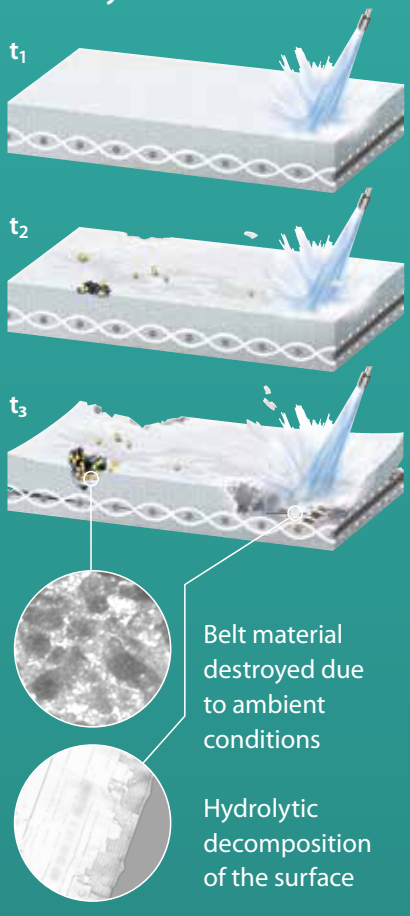
HOW **SIEGLING TRANSILON** BENEFITS YOUR HACCP CONCEPT

We'll support your HACCP concept reliably in all hygiene-critical areas and in line with legal requirements. Our food range, particularly the special HACCP types, comes with a whole host of product characteristics and designs. These elements eradicate any potential safety risks in the manufacturing process.

Siegling Transilon HACCP belt



Standard conveyor belt



Siegling Transilon HACCP belt in comparison with a standard conveyor belt.

Influence of bacterial growth and hot water cleaning cycles on the condition of the belt or the way it functions depending on time [t].

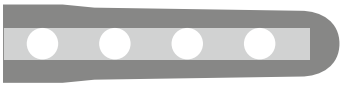
Outstanding release properties

Due to their excellent release properties, all HACCP types are a huge advantage when processing adhesive foodstuffs. Forbo Movement Systems also has belts with special finishes for conveying products with a tendency to stick. They feature superb release properties, particularly in the case of sticky products like dough, caramel, or other confectionery and are easy to clean.

Belt edge sealing

When belts are made of synthetic materials and have fabric tension members, sealing closes the edges. This process prevents penetration of oil, grease and water, and therefore of bacteria in the belt edge. And the belt's service life is increased too.

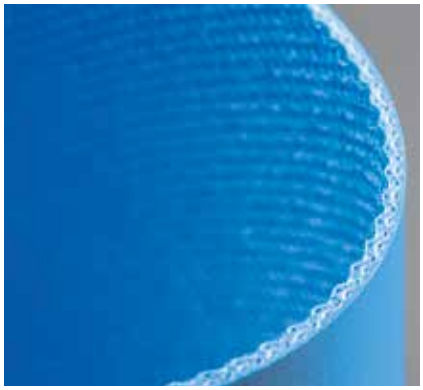
Belts with Smartseal belt edge sealing are suitable for knife edges and can be made endless with all standard splice types.



Smartseal – homogenous belt material

Further info

Frayfree

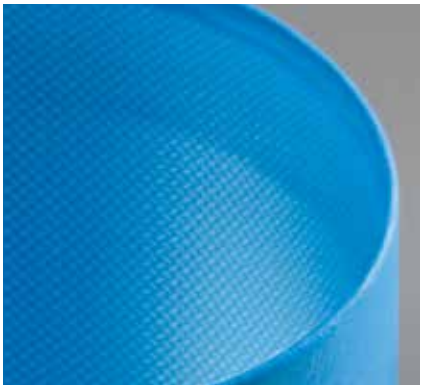


Frayfree is a belt design that keeps fraying belt edges to a minimum. A special type of fabric, a special weave and enhanced fibre length improve fibre grip in the fabric composite. Furthermore, state-of-the-art manufacturing technology ensures each of the fibres bonds with the coating material.

Frayfree belts minimize contamination with lint of the products conveyed.

Further info

Prosan



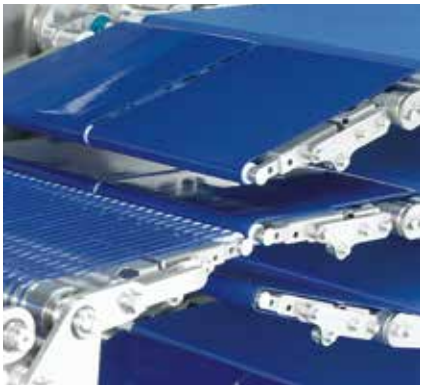
Prosan belts are coated on both sides and comply with hygiene requirements to the full. The pre-shrunk, very flexible tension members mean that small return radii are possible despite the coating on both sides of the belt. A patent is pending on the new underside pattern (BT = Broken Twill). It has a particularly low friction coefficient with easy-clean characteristics. Cleaning the belt is fast and straightforward.

Similarly to Frayfree belts, some unsealed Prosan belts have virtually fray-free edges. Optional Smartseal edge sealing also creates a belt that's fully protected.

Further info

SIEGLING TRANSILON
APPLICATION-DRIVEN DETAILS

Elastic belts



With their homogenous structure and easy-clean surfaces, elastic Extremultus belts score top marks on hygiene when processing unpackaged foodstuffs. They require no take-up system, track superbly and are also available as High Grip versions.

The combination of these characteristics make them top choices as dough belts, in spreader machinery, checkweighers, cutting machinery, buffer conveyors, packaging and labelling machines.

Further info

Curved belts

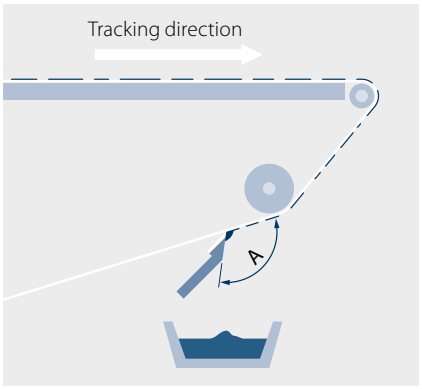
Forbo Movement Systems' Transilon curved belts are suitable for all belt tracking systems and very small returns.

Due to our largely automated production, we can guarantee exact compliance with the geometries required of fabricated belts.

The curved belts consist of several segments, which means even distribution of force in the belt so that even heavy-duty products are conveyed reliably.

Further info

Belt scrapers



To produce hard-wearing, rigid scrapers, materials with different levels of hardness are processed to make one single part. Therefore, the scraper is very inherently stiff and can often be used without any additional support. The highly elastic scraper lip lies very evenly over the entire width of the belt.

Consequently, they have significant advantages compared with conventional metal scrapers:

- the belt and the scraper last much longer
- scraping is more thorough
- they are up to four times more robust than UHMW scrapers
- they are easier to clean

Further info

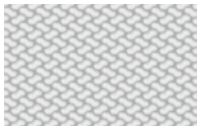
Suitable for knife edges

Belts that can handle knife edges are required for some applications, i.e. cooling lines, so that even the very smallest of products is transferred properly to the next belt.

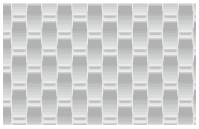
Transilon belts are ideal for very small knife edge radii – special types can also be used in curves and merges. The belts lie very flat, so that even lightweight products are positioned correctly on long conveyors.

Surface patterns

Special surface patterns can enhance the grip and release characteristics of many products and emboss the bottom (e.g. in the case of chocolate). We can custom-produce any type of embossing. Just come and talk to us.



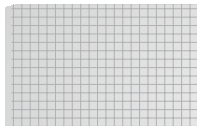
BT Broken twill



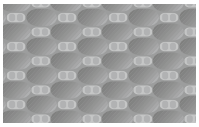
DIA Diagonal

FG Herringbone

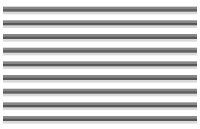
Fine Fabric, fine



GL Smooth

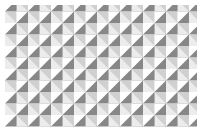


GSTR Coarse texture



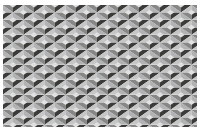
LG Longitudinal groove

MT Matte

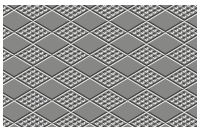


NP Inverted pyramid

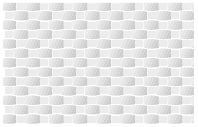
QS Quartz sand



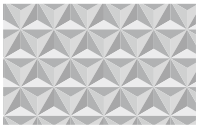
RF Fine rhomboid



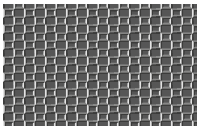
RFF Flat fine rhomboid



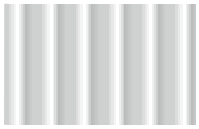
Rough Fabric, rough



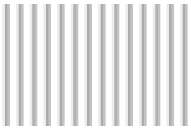
SP Star pyramid



STR Normal texture



TRI Triangle, crosswise



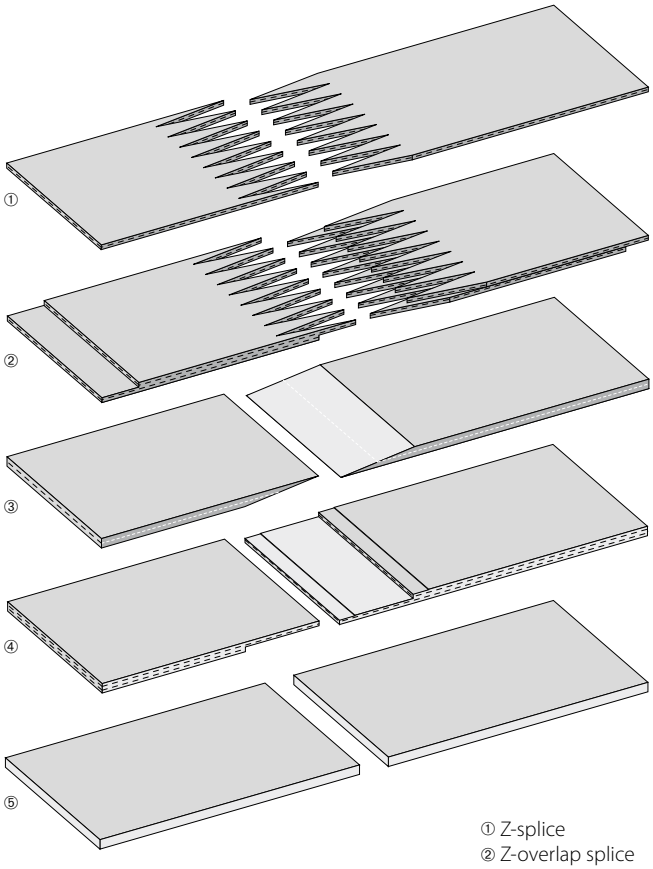
WG Wide groove

Further info

SIEGLING TRANSILON
FABRICATION

Splice types

Different types of splice are used depending on the belt and application. (All types are also suitable for belts with edge sealing).



① Z-splice
② Z-overlap splice
③ Wedge splice
④ Stepped overlap splice
⑤ Butt splice

Mechanical fasteners

Mechanical fasteners allow belts to be made endless quickly and easily. Belts can also be fitted and removed without the need to dismantle parts of the machinery.

Plastic fasteners are normally chosen for the food industry. They are:

- EU- and FDA-compliant
- ideal for use in metal detectors
- also available as versions that can be embedded or heated into the belt coating

Metal fasteners are only used in exceptional cases (e.g. in the agricultural industry).

Further info

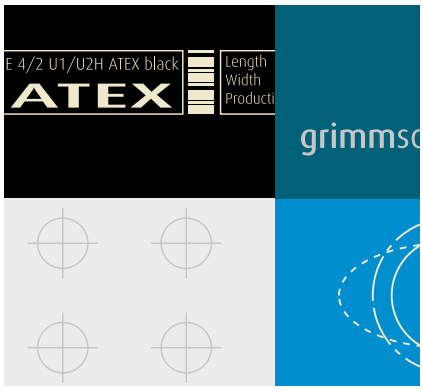
Profiles and sidewalls

Conveyor belts with profiles are used for inclined and steep conveying of bulk goods and small products. Profiles are available in various shapes and dimensions.

Sidewalls (often combined with lateral profiles) are used to contain bulk goods at the sides. Forbo Movement Systems sidewall range is exceptionally food-safe and offers diverse options for unusual conveyor designs.

Further info

Using lasers on belts



Applying lettering or images by laser is an impressive alternative to screen-printed and foil methods: the printed image is created by recoloring the surface by laser. Because of its extreme durability, precise positioning and crisp printing results, this process opens up new ways of using belts, for example:

- precisely applied positioning grids and control markings for optical sensors help in automated processes (e.g. in pizza manufacturing and bakery machines)
- technical data, belt characteristics and ordering codes can be permanently stored on the top face
- almost any visuals can be added as lasting advertising (i.e. on check-out counter belts)

Further info




siegling fullsan
homogenous belts

HOMOGENOUS BELTS

… are thermoplastic polyurethane belts from Forbo Movement Systems. All Fullsan belts are protected from contamination by oil, grease, moisture, and bacteria. They are very easy to clean and ideal for exceptionally hygiene-critical applications (dairy products, dough preparation, meat and poultry processing and other food-related areas).

EU/FDA/ MHLW #370 COMPLIANT

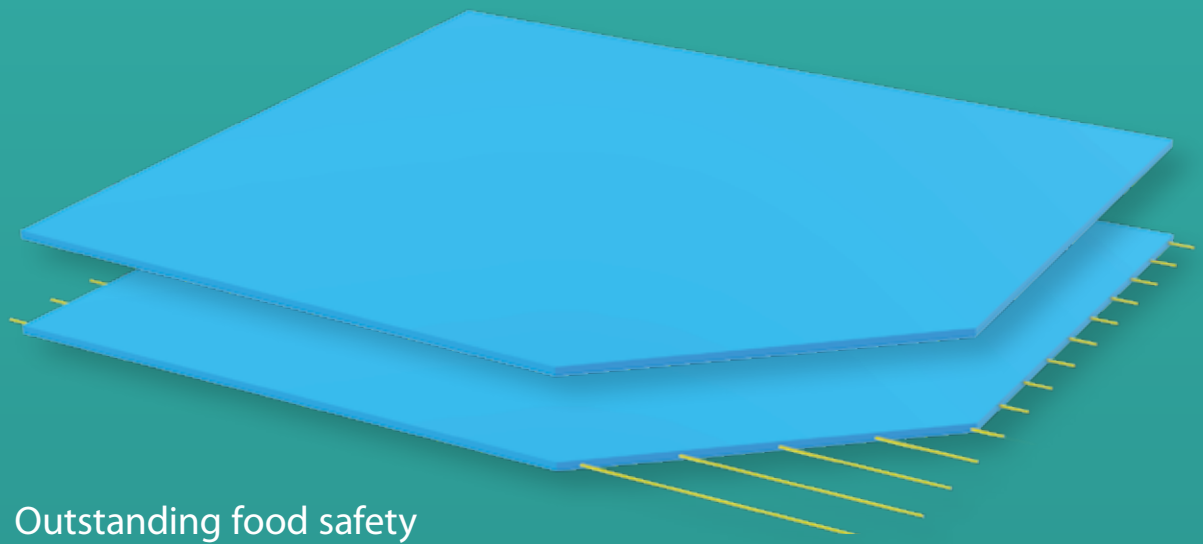
The advantages:

- Easier to clean, low water and energy consumption, cost-saving to operate
- Long service lives even when cleaned frequently
- Precise match with the conveying task due to profiles, side walls and surfaces

Further info

HOW **SIEGLING FULLSAN** BENEFITS YOUR HACCP CONCEPT

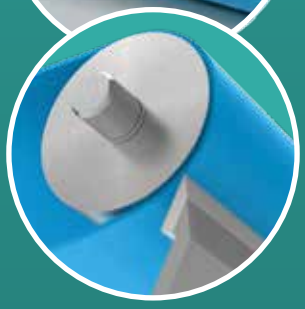
Forbo Movement Systems' Fullsan range ensures outstanding levels of food safety during production and supports HACCP concepts consistently. The homogenous design of thermoplastic polyurethane and precise manufacture lend the material excellent hygienic and mechanical characteristics. The reinforced belt types also meet this exceptional hygiene standard because the slits in the material are made in the center between the cord strands.



Outstanding food safety due to a homogenous design

Fullsan belt types have no embedded tension member fabric that could contaminate the food.

Fullsan belts offer all-round protection from contamination by oil, grease, moisture and bacteria. A welded butt splice is also very hygienic.



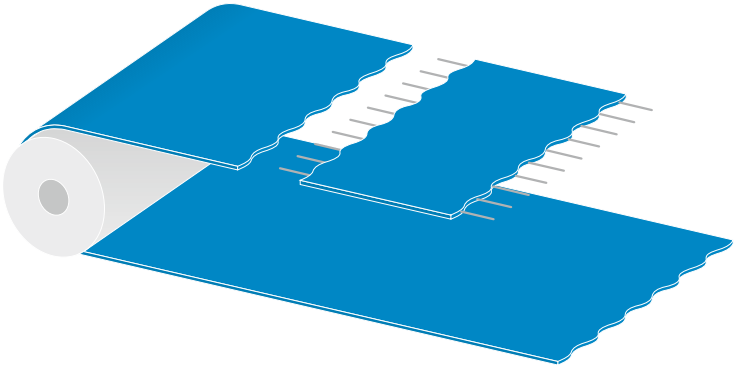
Fullsan is particularly easy to clean due to its closed, smooth surfaces and hydrolysis-resistant polyurethane. Short intervals between cleans, UV-C disinfection, and mechanical belt cleaning processes won't harm the belt.

Excellent release properties

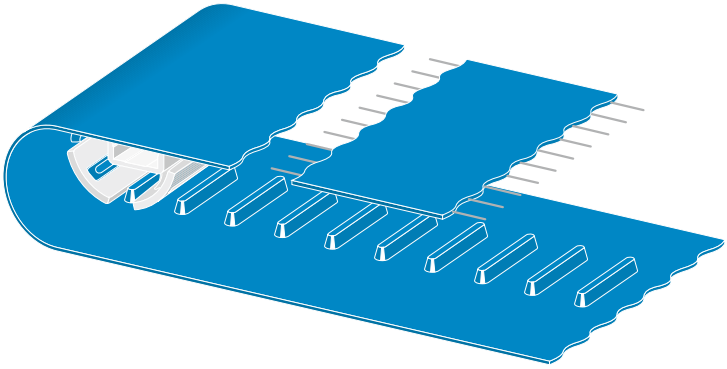
Due to their good release properties, all Fullsan types are superb when it comes to processing sticky foodstuffs. Patterned and matte belt types are ideal for conveying products that tend to stick.

SIEGLING FULLSAN
LOWER CLEANING COSTS
BETTER HYGIENE

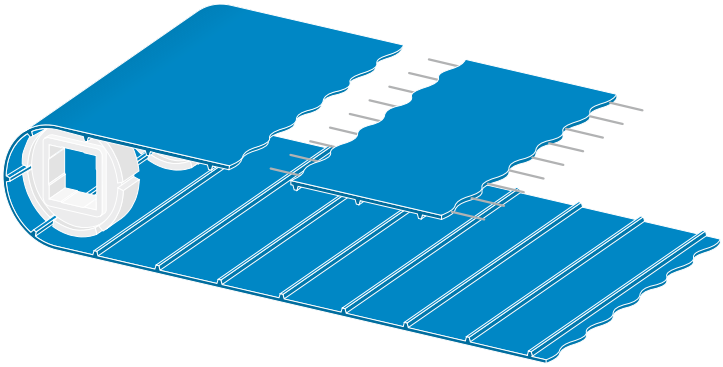
Fullsan series



Fullsan Flat (FLT)
Fullsan Flat (FLT) is used as a homogenous belt, or with fully enclosed cords (FLT+). The flat polyurethane belt is friction driven via an end drum.



Fullsan Center Drive (CD)
Fullsan Center Drive is used as a homogenous belt (CD40), or one with fully enclosed cords (CD40+). Depending on the belt width, the flat polyurethane belt width is driven by one, two or three rows of teeth in a form-fit manner. As a result, the belts don't slip, track automatically and position accurately.



Fullsan Positive Drive (PD)
Fullsan Positve Drive is used as a homogenous belt (PD2), or one with fully enclosed cords (PD2+). The flat polyurethane belt width has teeth over the whole belt width and a form-fit drive. As a result, the belts don't slip and can be positioned very accurately.

SIEGLING FULLSAN
CUSTOMIZABLE FABRICATION

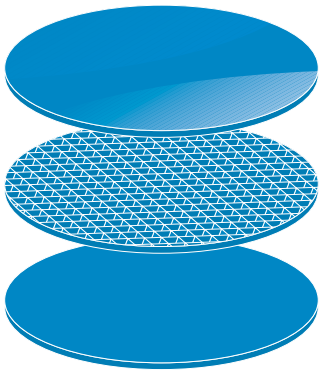
Surfaces

Smooth, matte and patterned belt surfaces provide the required release properties for diverse products.

Splice type

A welded butt splice also means first-class hygiene. Depending on the application, clamp and wire-hook fasteners are also possible.

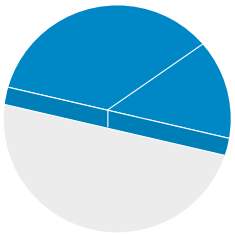
Optional surfaces



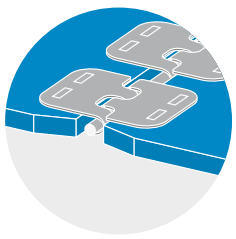
Smooth (GL)

Inverted pyramid (NP)

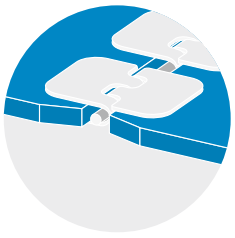
Matte (MT)



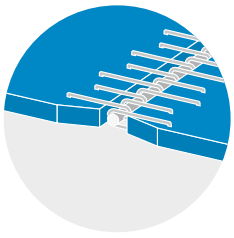
Butt splices (standard)



Clip fasteners (metal)

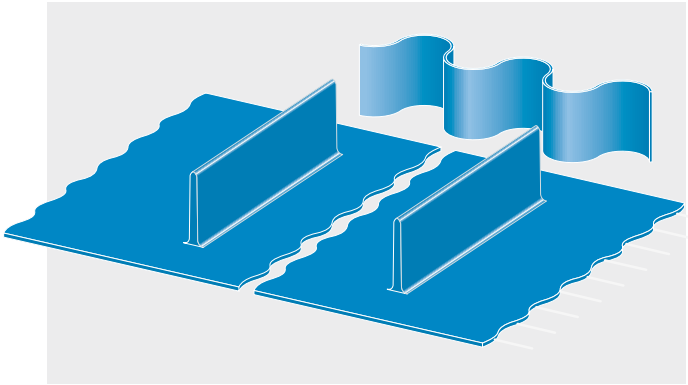


Clip fasteners (Plastic)



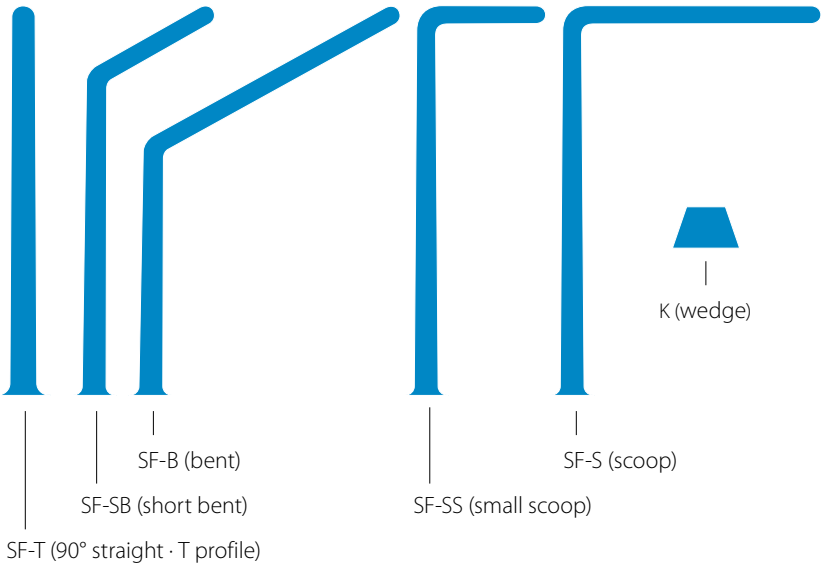
Wire-hook fasteners

Profiles and side walls



Profiles can be welded onto the belts in tight tolerances. Customized profile heights are possible. When belts are driven in a form-fit manner, welding is carried out between the teeth.

Overview of the profile cross sections



siegling prolink
modular belts

MODULAR BELTS

… are plastic conveyor belts made of homogenous materials. They can also be combined with processing stages such as cleaning and deep freezing. A range of designs, pitches, patterns and open areas tap into multiple applications in food production.

EU/FDA COMPLIANT

Prolink modular belts made of PE, PP, POM and PA comply with the most important, standard regulations and specifications (listed on the left) in terms of the raw materials used and migration thresholds. IFRC Asia (a member of the World Halal Council) has certified that all Prolink modular belts made of POM adhere to Halal guidelines. Many belts are also supplied with NSF certification.

NSF COMPLIANT

The advantages:

- Exceptional service lives and cut resistance due to high-quality, homogenous materials
- A high level of customization due to a vast choice of belt types, open areas and accessories
- Form-fit drive means reliable, slip-free belt tracking, even under challenging circumstances

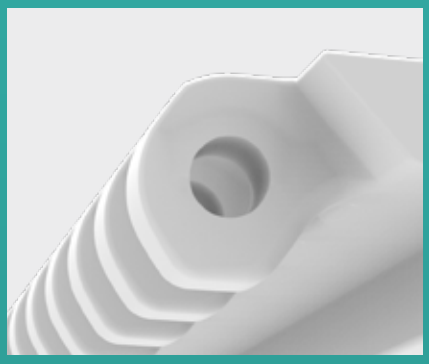
Further info

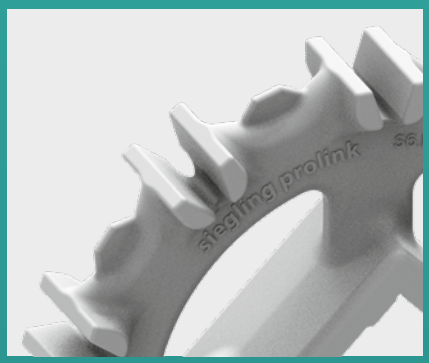
HOW **SIEGLING PROLINK** BENEFITS YOUR HACCP CONCEPT

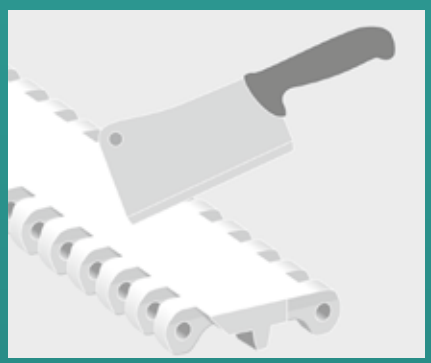
Prolink plastic modular belts offer built-in hygiene thanks to fully closed surfaces and homogenous materials that are EU-, FDA- and NSF-approved. Series 4.1, 6.1, 10, 13 and 15 in particular support your HACCP concept with further hygiene-friendly characteristics.

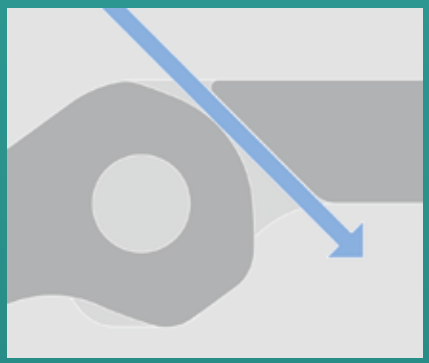
- Easy-clean design with wide channels on the bottom of the modules
- Easy-to-clean sprocket design
- Excellent resistance to hydrolysis
- Good release properties
- They come in blue as a strong color contrast

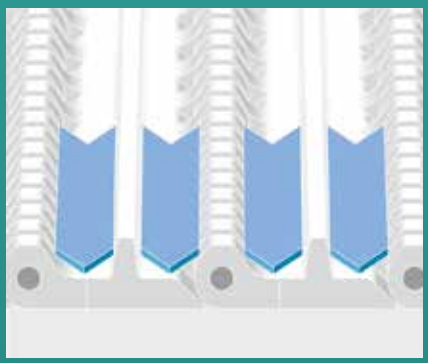
Fewer areas where contamination can occur
Large radii, smooth, rounded sprocket surfaces, wide hinge eyelets and perfectly fitted hinge pins don't leave contamination and soiling to chance. (Figure: Prolink series 6.1)









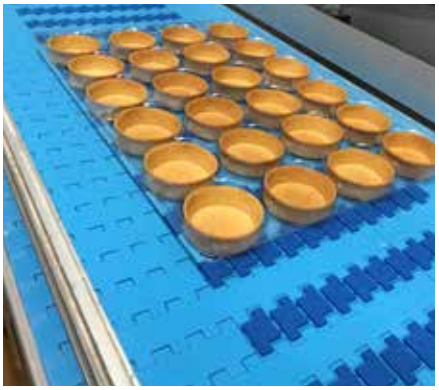


Incision-proof surfaces
POM-CR modules are exceptionally incision-proof and resistant to impact. This minimizes the risk of grooves forming and delamination. (Figure: Prolink series 6.1)

Quick and easy to clean
On the returns, the lengthways and crosswise hinges provide openings for rinsing. On the underside, continuous channels without any annoying ribs make cleaning effective. (Figure: Prolink series 6.1)

SIEGLING PROLINK
FUNCTION RICH FOR ALL FOOD APPLICATIONS

Our series



Straight running belts

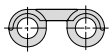
Side flexing and spiral belts

Micro
Pitch < 10 mm

S13

Mini
Pitch < 20 mm

S4.1

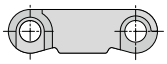


S14

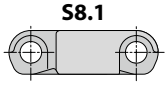
S15

Small
Pitch < 30 mm

S8



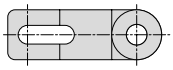
S8.1



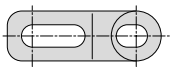
S10

S17

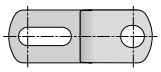
S5



S11

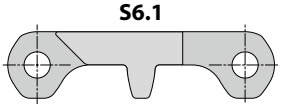


S18

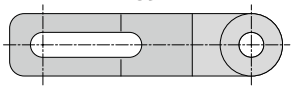


Large
Pitch < 60 mm

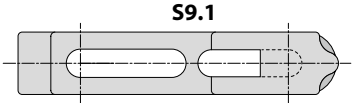
S6.1



S9



S9.1

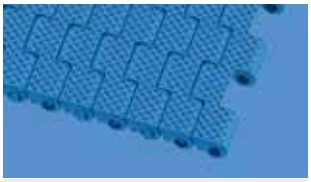


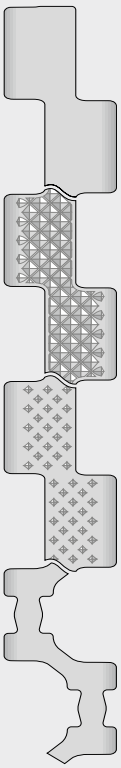
cm
in

SIEGLING PROLINK
FUNCTION RICH FOR ALL FOOD APPLICATIONS

Straight running belts

Series 13
Sophisticated micropitch belt
Pitch 8 mm (0.31 in)





The following surfaces are available:

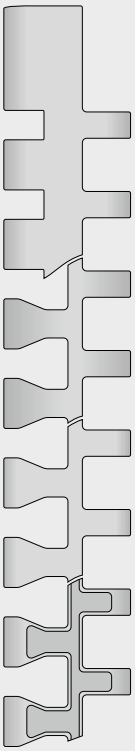
Closed, smooth surface

Closed surface with inverted pyramid pattern

Closed surface and pointed studs

Open (34%), smooth surface

Series 14
Low noise Mini-Pitch-Belt
Pitch 12.7 mm (0.5 in)



The following surfaces are available:

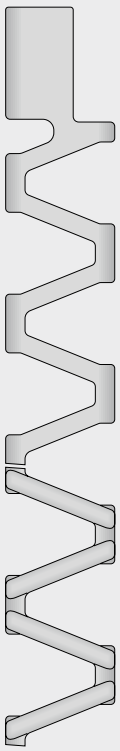
Closed, smooth surface

Open (25%), smooth surface

Open (25%) surface with curve top surface

Open (25%) surface with friction top

Series 15
Lightweight, air permeable belt
Pitch 12.7 mm (0.5 in)

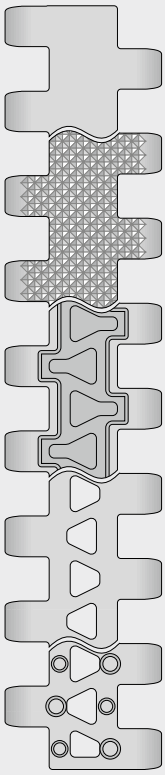


The following surfaces are available:

Open (47%), lattice-shaped surface

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

Series 4.1
Compact conveyor belt
Pitch 14 mm (0.55 in)



The following surfaces are available:

Closed, smooth surface

Closed surface with inverted pyramid pattern

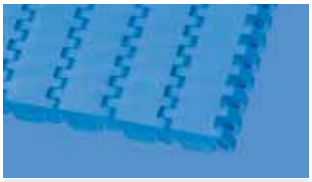
Closed surface with friction top

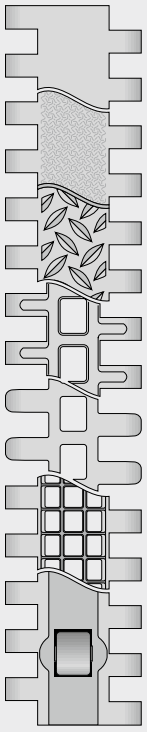
Open (21%), smooth surface

Open (21%) surface with round studs

Series 8/Series 8.1
Belt for long conveyors

Pitch 25.4 mm (1 in)





The following surfaces are available:

Closed, smooth surface

Closed, slip-resistant surface

Closed surface with non-skid pattern

Open (25%) surface with rounded contact surfaces

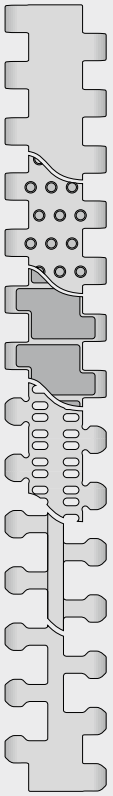
Open (30%) flat top surface with rounded hinges

Closed surface with friction top

Closed surface with roller top

Series 10
Durable all-round belt

Pitch 25.4 mm (1 in)



The following surfaces are available:

Closed, smooth surface

Closed surface with round studs

Closed surface with friction top

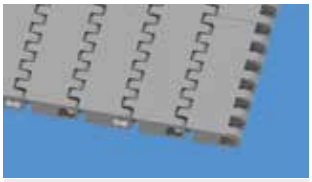
Open (22%), smooth surface

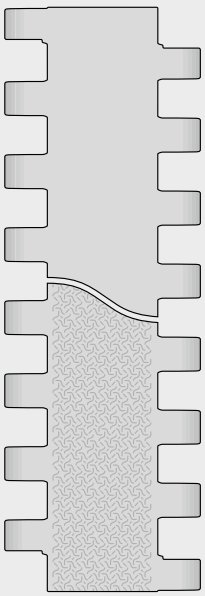
Open (36%) surface and lateral ribbing

Open (36%), smooth surface

Series 17
Durable industrial belt

Pitch 25.4 mm (1 in)





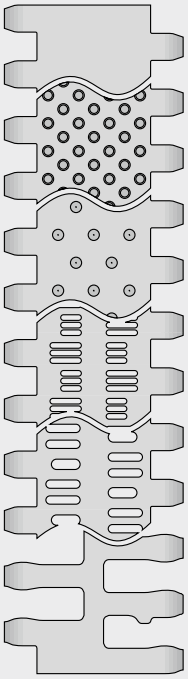
The following surfaces are available:

Closed, smooth surface

Closed, slip-resistant surface

Series 6.1
Robust heavy-duty belt

Pitch 50 mm (1.97 in)



The following surfaces are available:

Closed, smooth surface

Closed surface and round studs

Closed surface and pointed studs

Open (21%), smooth surface

Open (23%), smooth surface

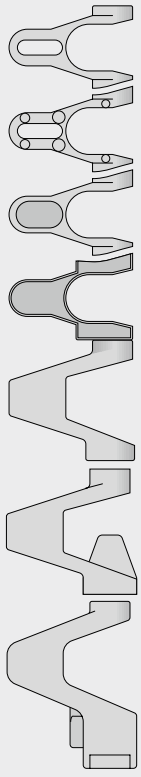
Open (36%), smooth surface

SIEGLING PROLINK
FUNCTION RICH FOR ALL FOOD APPLICATIONS

Side flexing and spiral belts

Series 5
Strong curved belt

Pitch 25 mm (0.98 in)



The following surfaces are available:

Open (45%), lattice-shaped surface

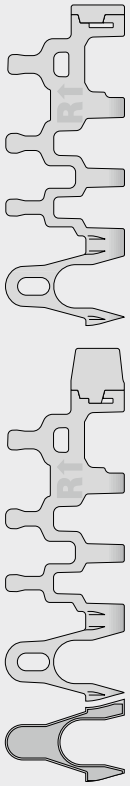
Open (45%), lattice-shaped surface with nub top

Open (39%) surface with friction top

Open (33%) surface with friction top, flat

Series 11
Tight radius belt

Pitch 25 mm (0.98 in)



The following surfaces are available:

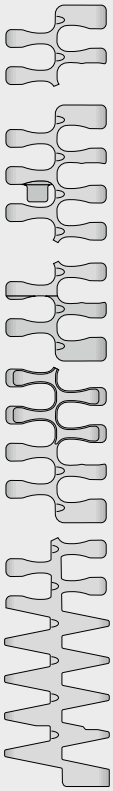
Open (45%), lattice-shaped surface with replaceable caps

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

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

Series 18
Very efficient curved belt

Pitch 25 mm (0.98 in)



The following surfaces are available:

Open (44%), lattice-shaped surface

Open (44%), lattice-shaped surface and Hold Down Tabs

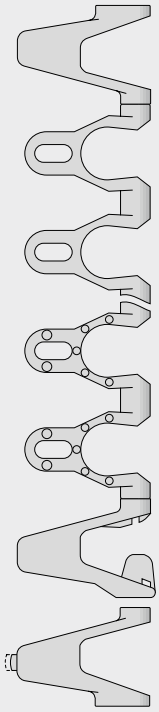
Open (44%), lattice-shaped surface and High Deck

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

Open (44%), lattice-shaped surface (for right hand curves and left hand curves)

Series 9/Series 9.1
Customized spiral belt

Pitch 50 mm (1.97 in)

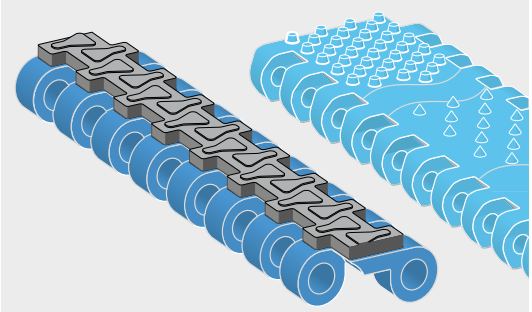


The following surfaces are available:

Open (57%), lattice-shaped surface

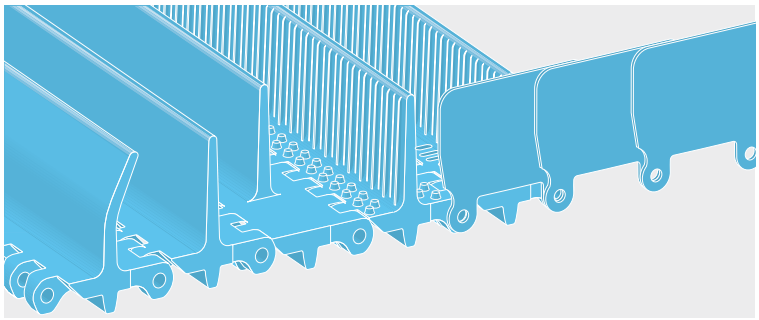
Open (57%), lattice-shaped surface with nub top

Patterns/grips



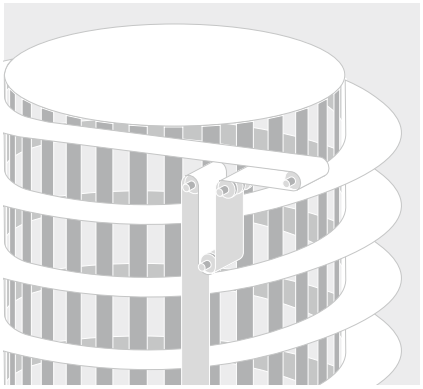
Secure grip is vital during inclined and stop-and-go conveying. Which is why Prolink modules come with patterns and grips to suit the consistency of the product conveyed.
There's a choice of nub tops, pointed studs and Friction Top inserts.

Profiles and side guards



Profile modules enhance inclined and steep conveying of bulk goods and small products. Profiles are available in various shapes and dimensions. Special non-slip finishes (NCL) improve release of moist and sticky products. Side guards at different heights can be applied to contain products at the sides.

Spiral towers

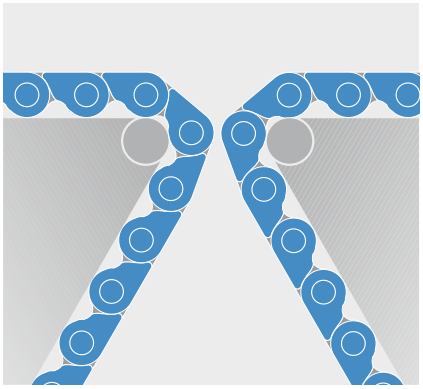


Curved belts with open areas are always used in spiral towers in order to convey baked goods, meat, poultry reliably during cooling, freezing or cooking processes. Special Prolink side modules make sure the system runs very quietly.

Little space required

Prolink combo belts combine the strength of the popular Prolink series 5 ST with the very small curved radius of series 11. Combo belts enable exceptionally space-saving, high-performance conveyor layouts.

Small return radii



Transferring small items from one area to the next is highly critical. Prolink allows return radii of just 3 mm (Series 13).




siegling proposition
timing belts

TIMING BELTS

… face significant challenges in the food industry's demanding hygiene applications. Forbo Movement Systems' innovative food line is the solution you can depend on. Our products meet current FDA and EU requirements, stand apart for their excellent surface quality, and are outstandingly user friendly thanks to their enclosed belt edges and lack of coiling noses. Which makes cleaning child's play.

EU-/FDA-COMPLIANT

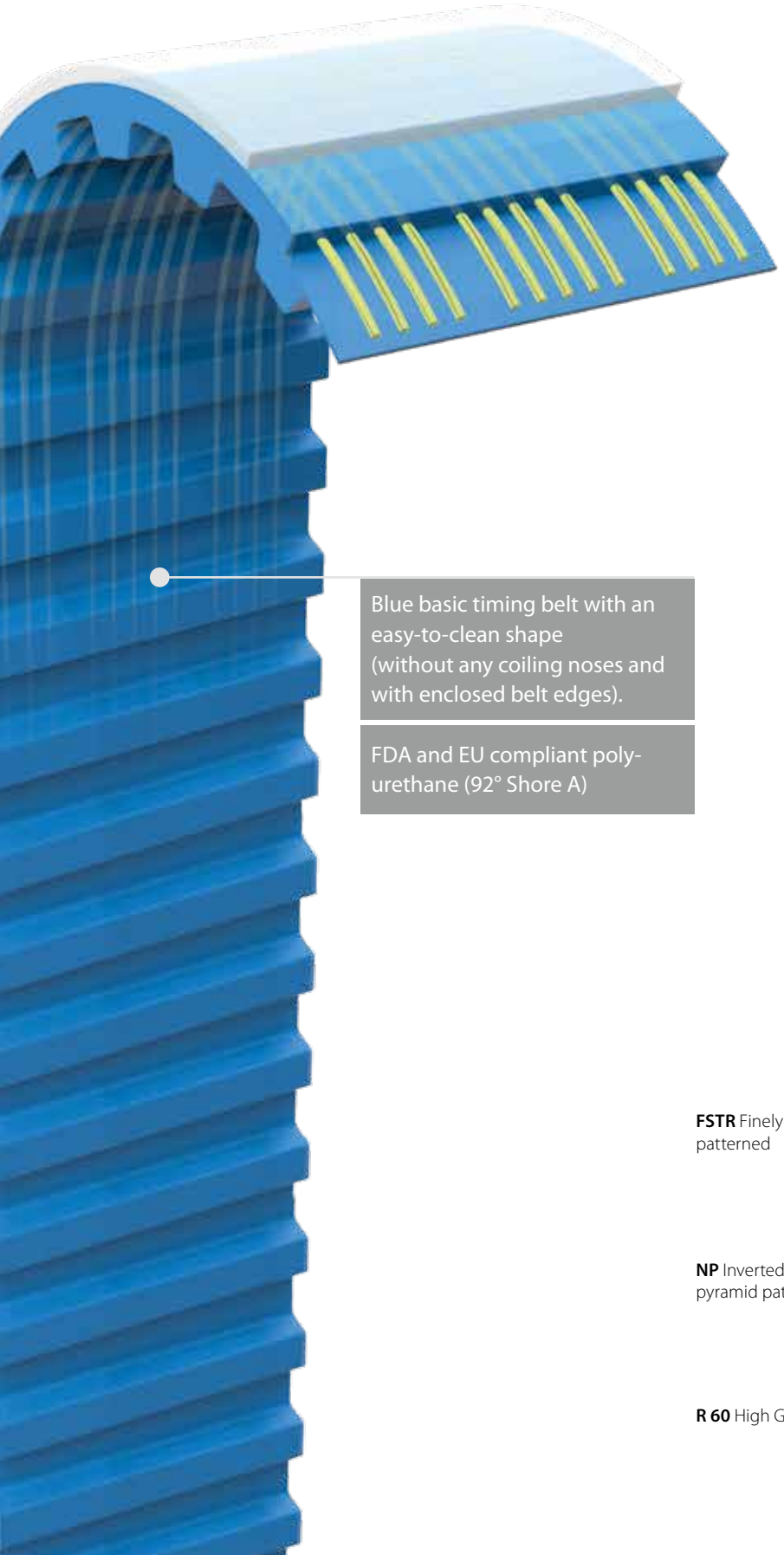
The advantages:

- Made for direct contact with foodstuffs
- No hidden contamination, fully enclosed tension members facilitate cleaning, first-class surface quality and no coiling noses
- A range of designs, profiles, coatings and patterns on the backs make them perfect for lots of applications

Further info

Further info

SIEGLING PROPOSITION FOOD LINE
FIRST-CLASS FOOD SAFETY



Blue basic timing belt with an easy-to-clean shape (without any coiling noses and with enclosed belt edges).

FDA and EU compliant polyurethane (92° Shore A)

Coated timing belts

The coated timing belts from the Proposition Food Line meet the FDA and EU's stringent regulations. Compliance was confirmed by an independent test lab.

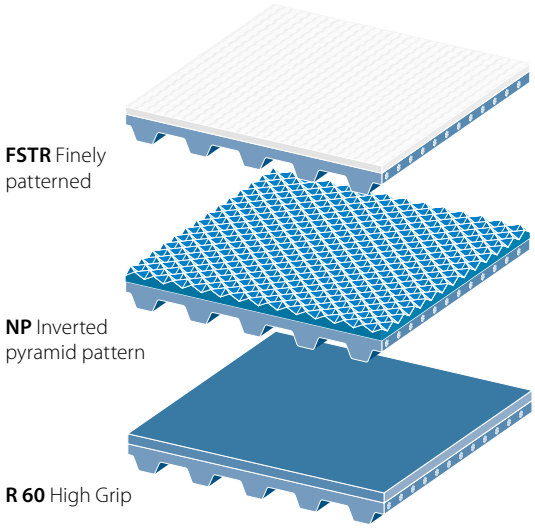
Tooth profiles and coatings can be combined with each other as required.

Typical applications

- Spreading belts
- Feeder belts for packaging machinery
- Packaging machinery
- General food conveying

Tooth profiles and surface patterns

Tooth profiles available: T5, T10, AT10



Blue timing belt with pattern on the back and an easy-to-clean shape (without any coiling noses and with enclosed belt edges).

FDA and EU compliant polyurethane (84° Shore A)

Homogenous timing belts

To meet rigorous hygiene requirements, we make tooth profiles and patterns on the backs in one single process. The result is a homogenous product that prevents any concealed contamination. Diverse patterns on the backs enable a range of efficient process steps.

Typical applications

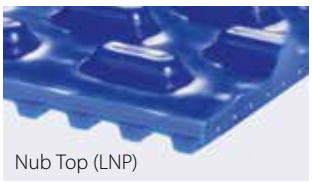
- General food conveying e. g. meat, sausages, cheese, and baked goods
- Tying sausages
- Take-off belts
- In slicers, e. g. for sausages, cheese, and filleted fish

Tooth profiles and surface patterns

Tooth profiles available: T5, T10

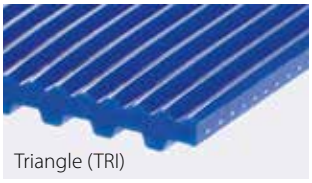
Cone Top (CTP)

Truncated cone (FCTP)

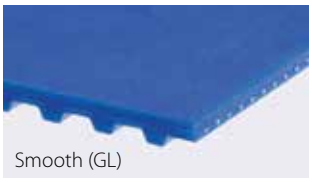


Nub Top (LNP)

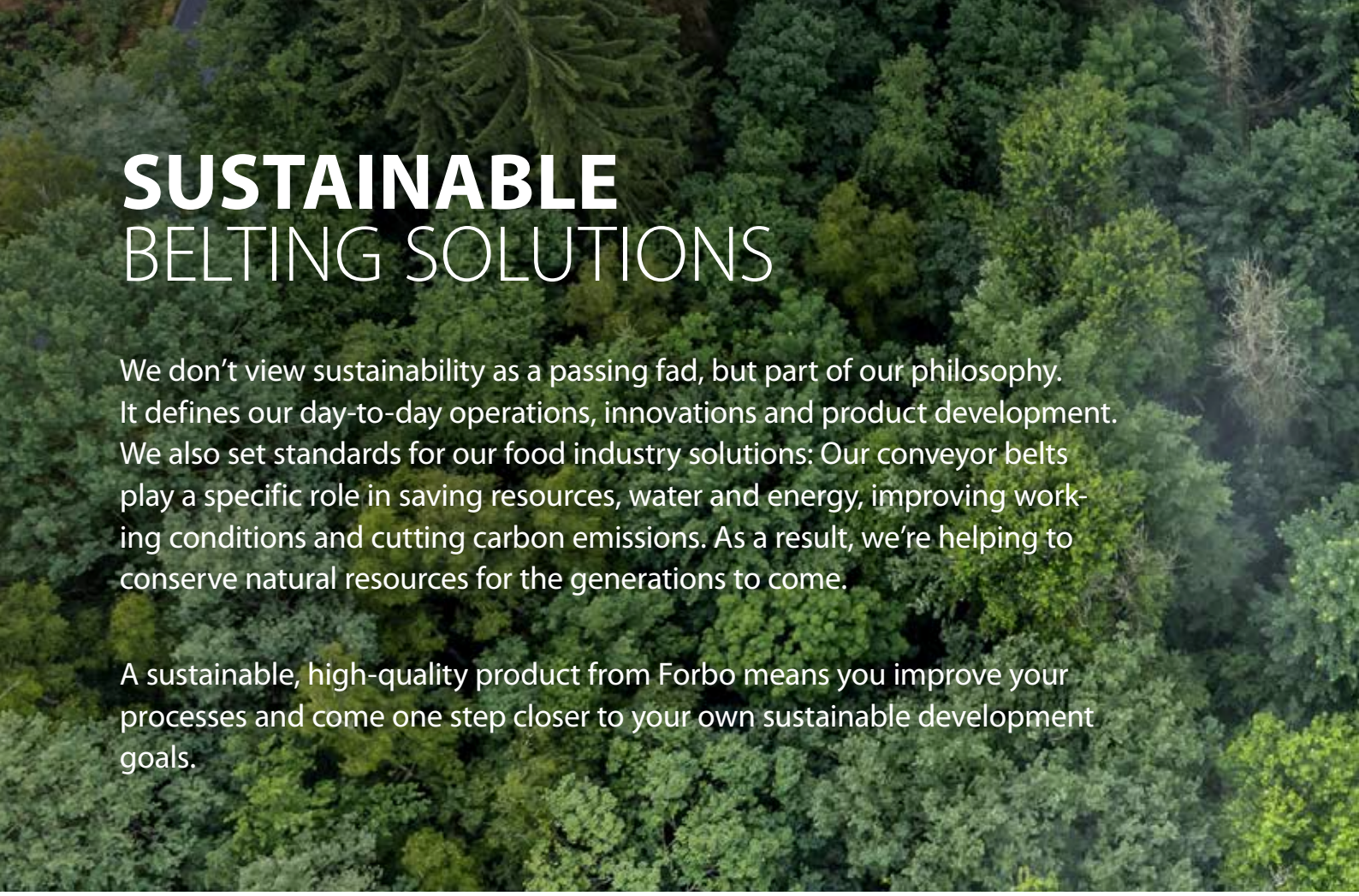
Longitudinal groove (LG)



Triangle (TRI)



Smooth (GL)



SUSTAINABLE BELTING SOLUTIONS

We don't view sustainability as a passing fad, but part of our philosophy. It defines our day-to-day operations, innovations and product development. We also set standards for our food industry solutions: Our conveyor belts play a specific role in saving resources, water and energy, improving working conditions and cutting carbon emissions. As a result, we're helping to conserve natural resources for the generations to come.

A sustainable, high-quality product from Forbo means you improve your processes and come one step closer to your own sustainable development goals.

Saving resources

Energy-efficient and water-saving cleaning
Particularly in the food industry, water and energy requirements for cleaning conveyor and processing belts are enormous. The characteristics of our custom-developed Forbo belts help to cut this consumption and save costs – without any compromises on hygiene or performance.

Excellent release properties: The belts' release properties play a key role in the time and effort required for cleaning them. If nothing sticks to the belt, it doesn't need to be removed later on. Diverse easy-release surface patterns minimize the cleaning needed for Forbo belts. This saves water, detergents and energy.

High-quality surfaces and belt designs: Easy-to-clean surfaces and geometries, as well as closed belt designs, can cut the water required for cleaning significantly.

Improving working conditions

Blue belts are easier to see and less tiring for eyes
In addition to lots of practical production-related aspects, blue belts are also very ergonomic and improve working conditions, e.g. when visual inspections are conducted. Which is why Forbo Movement Systems has diverse blue belts in all the relevant product groups. Compared with white belts, blue ones are kinder to eyes because they produce less glare. They improve powers of concentration and minimize any unpleasant afterimage effect. This occurs when the eye is subjected to a strong stimulus and then looks at a neutral area.

Safe processes with finger protection
When we developed our Prolink series 15 for the food industry, our main focus was your workforce's safety. The series' modular belts were designed so that, despite a large open area of 47%, fingers couldn't get stuck.

Further info

Sustainable Solutions

Saving raw materials

Transilon ECOFIBER:
Tension member fabric made of recycled PET
With tension members made exclusively of recycled yarn, these belts save valuable raw materials. At the same time, the power consumed to make them, and therefore carbon emissions, are much lower.

The yarns are made of recycled polyester (rPET) and turned into first-class tension member fabric for fabric-based conveyor belts. In terms of quality and service lives, belts made in this way are just as good as standard ones. But their carbon footprint is way lower.

Further info

Recycling materials
We're continuously striving to reduce material waste and recycle valuable raw materials. Our production processes have been focusing on both aspects for a long time. Production waste made of one-type materials that results from plastic modular belts and polyurethane is specifically returned to our production processes. All in the name of more efficient resource usage and sustainable production.

Quality and service for material friendly belt operations
Our conveyor belts are impressive for their long service lives and outstanding performance. Which pays dividends in terms of your running costs and the environment. They are an environmentally friendly and efficient alternative to other types of conveying. Their durability means that fewer materials require replacing. As a result, materials and energy used in production are spread out over a longer usage period. Superior belt quality and extensive service offerings from our highly trained teams cut the running costs of your conveyor. Raw materials and carbon emissions are saved and unscheduled downtime prevented. Less downtime, less effort, more sustainability.

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

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