

benefit!

Information for our customers from the food industry Issue 1/2013



Module designs for the Prolink 4.1 series

Two new mini-pitch designs

Two new innovative products deliver a number of different benefits. Firstly, we've developed a new open module with a nub-top pattern for applications where good grip and superb release characteristics are required – for example in the case of deep-frozen products or meat. Secondly, we've come up with a closed module with rubber-like grips that enables reliable and hygienic inclined conveying of small products.

The former module type in the Siegling Prolink 4.1 series has a special surface design called Nub Top (NTP). As the module has a large open area of 21%, the belts also circulate air well and provide good drainage for foodstuffs.

We also have a module type with 25 mm notches in the pattern at the edges. The-

se types are used as side modules in applications with belt support on the return side, or for belt tracking on swan-neck conveyors to ensure the belts operate smoothly.

The second type of module in the Siegling Prolink 4.1 series has rubber-like grips where only small, raised triangles form the point of contact with the products conveyed (Friction Top = FRT). These mean perfect grip and an easy-to-clean belt.

They also ensure the belt lasts a long time. In addition to belts made with PP or PE as the underlying material, Forbo Siegling also supplies POM belts with FRT surfaces. As a result, a particularly robust and extremely tough type is available.

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In brief

Forbo Siegling at IFFA

We showcased innovative new products at the

IFFA

meat industry's premier international fair in Frankfurt. For example, we presented particularly robust Siegling Transilon processing belts for slicers and new Siegling Prolink surface patterns for excellent grip and good product release at the same time. We also demonstrated our new Prolink Beltfinder app – but more about that on page 4 or online at www.prolink-finder.com.

Module designs for the Prolink 4.1 series

Two new mini-pitch designs

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In this case the grips are made from harder material than in PP and PE modules.



The grips are divided into two, making belt-width increments of 100 mm possible. The FRT modules can be combined with all closed or open types in series 4.1.

The beige FRT type is FDA-compliant. All feedstock used complies with the EU regulations. Therefore, beige S4.1-0 FRT belts can equally be utilised in applica-

Superb grip thanks to the new FRT surface with rubber-like grips.

tions where belts come into direct contact with food.

Reliable product transfer, dependable tracking and excellent cleaning capabilities are what set Siegling Prolink series 4.1 belts with 14 mm pitch apart. The belts can be supplied in different materials and colours.

■ **The benefit:** Nub Top – good grip and good release characteristics. Friction Top – an ideal combination of good grip and durability.

Industry

HALAL and NSF certification

In a globalised world, the demands on our conveyor belts are becoming more and more specific. Which is why Forbo Siegling also offers products with HALAL or NSF certificates.



Halal is an Arabic word and can be translated to mean „permitted“ and „allowed“. It covers all aspects and activities that are approved or authorised according to Islamic law.

Since February 2013, we've been able to issue Halal certificates for the Transilon PVC and PU and POM Prolink product groups.



NSF stands for National Sanitation Foundation. The NSF is an independent, non-profit organisation whose goal is to protect and improve people's health worldwide. Consequently, it develops health and safety standards to protect food, water, health and perishable goods all over the Globe.

Forbo Siegling provides NSF/ANSI Standard 14159-3 certificates for Prolink series 6.1 and Prolink series 10.

■ **The benefit:** A response to special cultural demands and an opportunity to tap into new market potentials – thanks to safe conveying.



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Quartz sand surface pattern

Perfect grip, despite good release

It's not a contradiction in terms – the new Transilon belt type marries first-class product grip with perfect release characteristics.

The E 4/2 U0/U2 QS-HACCP-FF blue FDA belt type has a hard top face with a new quartz sand pattern (QS). These aspects of the product have proved to be superb in pizza manufacture above all. The outstanding grip of the rolled-out, stretched dough on the belt prevents the pieces of dough from contracting and therefore leading to an unwelcome change in their shapes. On the other hand, the pieces of dough easily come off the belt at the transfer point to the oven. Therefore, it's no longer necessary to spray oil to improve dough release – a considerable saving to the manufacturer.

Unwanted soiling is simple to remove and the belt very easy to clean. The

belt has a fray-free fabric design and its blue colour provides a strong contrast to the products conveyed, making it ideal for hygiene-critical applications. The belt can be used in knife-edge applications with a minimum radius of 3 mm.

For heavy-duty applications, such as slicing and cutting out dough, we can also recommend another thicker belt, E 8/2 U0/U5 QS-HACCP FDA in white with high levels of pull. At a minimum radius of 5 mm, this type can be guided rounded a fixed knife edge.

At the same time, flour (traditionally used in dough processing as a release agent) is a risk because of the dust generated. This is not the case with this new belt type. The QS pattern literally clings to the flour, which is less risky for the surrounding

environment and flour consumption drops drastically. All EU and FDA regulations on plastics with direct contact with food are of course complied with.

■ **The benefit:** Dough-based products retain their shape, flour produces less dust.



Box-folding belts

Packaging food safely

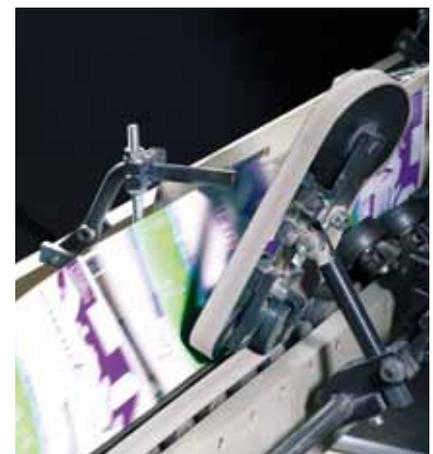
Safe folding processes – four new box-folding belts have a new grey friction layer which is suitable for direct contact with food.

Because the tension member is coated on both sides with a rubber blend, boxes and corrugated cardboard for food packaging can be processed gently without leaving any marks or obvious signs of abrasion.

The folder and carrier belts are EU and FDA compliant and therefore authorised for direct contact with unpackaged foodstuffs.

This is always important when the inside of a box has contact to the belt and subsequently to the unpackaged food. They're not just very stable, but very tough, extremely abrasion resistant and have strong edges. As a result, they have long service lives. Virtually consistent grip is guaranteed over the entire life of the product. The box-folding belts have polyester or polyamide tension members. Therefore, they're a top choice for a wide range of applications.

■ **The benefit:** Stable grip and safe food packaging



Prolink Beltfinder

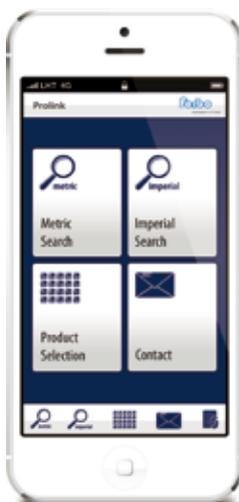
A quick belt recommendation

Really great and really fast – Forbo Siegling’s Prolink Beltfinder app allows mobile-device users to find the right plastic modular belt from the Prolink range for their applications quickly and easily. The free app is smartphone-friendly and tablet-friendly and available on Forbo Siegling’s website at www.prolink-finder.com.

The app allows users to look for modular belts, accessories and sprocket sizes. Search results are linked logically. For example, if the Radius Top belt surface is selected, more searches only reveal materials and colours obtainable with the relevant surface.

The app also lets users look for suitable belts based on the conveyor’s parameters. For example, when the length and width of the belt, conveying speed and capacity are entered, the Prolink Beltfinder displays the recommended belt types. Even if just a few search parameters are submitted, the app offers reliable belt recommenda-

tions quickly. After selecting a belt type, the search query can be sent directly by e-mail to the appropriate contact at Forbo Siegling.



■ **The benefit:** QR code for the first modular belt Beltfinder App for your smartphone or tablet.



In brief

Applications in the food industry are varied and we have the product range to match. We’ve redesigned our website so that you can find information more quickly. In the food section under „Industries and applications“, the many sub-segments in the market and the specific requirements have been changed. Under „Further information“, you can also find important details about special fabrication, customised solutions and specific characteristics.

The fast lane to information:
www.forbo-siegling.com

Request more info

Please tick your requirements and send this section back to us.

- Module types for Prolink series 4.1
- HALAL and NSF certificates
- Quartz sand surface pattern
- Box-folding belts
- Prolink Beltfinder
- General information on the company

- German
- English

First name, surname _____

Company _____

Position _____

Road, number _____

Postcode, place _____

Country _____

Telephone _____

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