## Product Range




Beans drain through open modules while being conveyed to the next processing step.

Robust Siegling Prolink types keep tyre assembly production going.

It's child's play getting to the top with Siegling Prolink friction top.

Particularly important in hygienesensitive areas, like meat processing: Siegling Prolink modular belts are easy to clean.

## Siegling Prolink modular belts


#### Abstract

Conventional conveyor belts are only suitable for certain conveying and processing jobs because of their design. Which is why Siegling Prolink plastic modular belts are a perfect addition to the Siegling conveyor belt range. Our vast experience in light materials handling is not just a guarantee of excellent product quality, but also of professional support, rapid availability and qualified service.


## Adaptable due to modular design

Siegling Prolink can offer various different module designs, materials and accessories, all combinable with one another. So Siegling Prolink modular belts can be customised to suit the conveying or production job in question. We'll find the right solution, even for highly specialised applications.

Siegling Prolink is used effectively in conveying:

- meat, fish and poultry products
- vegetables
- baked goods of all types
- packages and furniture
- vehicles and skids
- people

Here Siegling Prolink often takes on processing jobs that go above and beyond actual conveying.

## Economical to run

Modular belts are robust and durable. They handle conveying and processing tasks, not possible with conventional belting material.

They can be made endless on the conveyor; if damage occurs individual modules can be quickly exchanged. This minimises down times. Different lengths and widths are possible. Functional modules can be inserted at any time, so even belt properties can be changed whenever required.

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Declaration of compliances/
Certificates/materials

You can find more information on Siegling Prolink modular belts in:
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810-930 Series flyer Siegling Prolink
915 Combo belts (S5 ST \& S11)
201 Series 11/Combo belts Design guidelines and recommendations for use 206 Recommendations for constructing and calculating conveyors Technical information Storage, pre-fitting, fitting and operation
321 Radius belts for spiral conveyors
322 Roller top (Siegling Prolink series 8)
409-411 Pin retained rollers
(Siegling Prolink series 6, 7 and 8)


## The Siegling Prolink system: Every belt's a specialist



Siegling Prolink curved belts are ideal for space-saving drying or freezing.


Siegling Prolink is a tried and tested belt, processing fish and seafood - both on- and offshore.


As worker belts in the automotive industry, Siegling Prolink modules are safe to stand on

By working together closely with users and OEMs, our R \& D department ensures that all types from the Siegling Prolink system are high performers across the board.

Our series include more than 50 types of modules that can handle all sorts of conveying and processing jobs that range from delicate to heavy-duty.

The individual modules are flexibly connected with one another and made endless by inserting hinge pins.

## This means:

- variable widths and lengths
- they are easy to repair
- low stock levels are required

Existing conveyors can easily be converted to Siegling Prolink. Apart from the standard colours, any colours can be supplied on request.

We can send data sheets and further technical information about the individual series on request.

The module types presented are not available in some module/material/colour combinations in the standard version. Just ask us if you require more information.


## Functional details

To turn the belt into a true specialist, profiles, side guards and further accessories, such as modules with different patterns, belong to almost all the series.

Special modules and individual accessories for special applications are also available or can be developed according to your specifications.

Just contact us.

## Numerous materials

Apart from the module's design, selecting the material is another way of customising the belt to suit the conveying and processing task.

All materials have been tried and tested in the most varied of industrial environments and their own exceptional properties mean they can handle a wide range of applications.

The Siegling Prolink series are available in several materials as a standard (see each series for more information.) They can also be made from all the materials shown on the foldout page.

## Special HACCP types

New legal requirements are forcing food manufacturers to adopt increasingly stringent hygiene 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 (see fold-out page).

## Overview Siegling Prolink straight running belts

## Series 1

Pitch 50 mm (2 in)*

Series 2
Pitch 25 mm (1 in)*

Series 3
Pitch 50 mm (2 in)*

## Series 4.1

Pitch $14 \mathrm{~mm}(0.55 \mathrm{in})^{*}$

## Series 6.1

Pitch 50 mm (2 in)*

Series 7
Pitch 40 mm (1.6 in)*

## Series 8

Pitch 25.4 mm (1 in)

## Belt types

Medium to heavy-duty belt for industrial conveying applications.

Light-duty belt for food and container handling and for light industrial applications.

Medium-duty belt for food and non-food applications. Easy-to-clean, open-hinge design.

Light to medium-duty belt for food and non-food applications. Small pitch allows tight product transfers, including nose bars.

Medium-duty belt designed specifically for demanding applications in meat, poultry and seafood processing, including cutting, deboning and skinning lines. Easy-to-clean, open hinge design.

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.

Medium to heavy-duty belt for industrial applications.

| S1-0 FLT | Closed, smooth surface |
| :--- | :--- |
| S1-18 FLT | Open $(18 \%)$, smooth surface |
| S1-0 NSK | Closed, anti-skid pattern |
| S1-0 FRT1 | Closed, friction top |

S2-0 FLT
S2-12 FLT
S2-57 GRT
S2-57 RRB
S2-0 FRT1

Closed, smooth surface
Open ( $12 \%$ ), smooth surface
Open ( $57 \%$ ), grid top surface
Open ( $57 \%$ ), raised ribs
for transfer processes
Closed, friction top

## S3-0 FLT Closed, smooth surface <br> S3-16 FLT Open ( $16 \%$ ), smooth surface <br> S3-0 LRB Closed, with lateral ribbing <br> S3-16 LRB Open ( $16 \%$ ), with lateral ribbing

## S4.1-0 FLT

S4.1-0 NPY
S4.1-0 FRT1
S4.1-21 FLT
S4.1-21 NTP

## Closed, smooth surface

Closed, with inverted pyramid pattern
Closed, friction top
Open ( $21 \%$ ), smooth surface
Open (21\%), with round studs

S6.1-0 FLT
S6.1-0 NTP
S6.1-0 CTP
S6.1-21 FLT
S6.1-23 FLT
S6.1-36 FLT

Closed, smooth surface Closed, with round studs Closed, with pointed studs Open ( $21 \%$ ), smooth surface Open ( $23 \%$ ), smooth surface Open (36\%), smooth surface

## S7-0 FLT

S7-0 SRS
S7-6 FLT
S7-0 NSK
S7-6 NSK
S7-0 FRT1

Closed, smooth surface
Closed, slip-resistant surface
Open (6\%), smooth surface
Closed, anti-skid pattern
Open (6\%), anti-skid pattern
Closed, friction top

[^0]|  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| S1-0 FLT | PE, <br> PP, POM, POM-HC | $\begin{aligned} & \text { AT, } \\ & \text { WT, } \\ & \text { YL } \end{aligned}$ | $\begin{gathered} 18 \text { to } 40 \\ (1233 \text { to } 2740) \end{gathered}$ | $\begin{aligned} & 50 \\ & \text { (2) } \end{aligned}$ | $\begin{aligned} & 50 \\ & \text { (2) } \\ & \text { For belts with } \\ & \text { FRT pattern } \\ & 250 \\ & (9.8) \end{aligned}$ | $\begin{gathered} 10 \\ (0.4) \end{gathered}$ |
|  | $\begin{gathered} \text { PE, } \\ \text { PP, } \\ \text { POM, } \\ \text { PA 6.6-HT } \end{gathered}$ | $\begin{aligned} & \text { BL, } \\ & \text { WT } \end{aligned}$ | $\begin{gathered} 3 \text { to } 7 \\ (206 \text { to } 480) \end{gathered}$ | $\begin{aligned} & 25 \\ & (1) \end{aligned}$ | $\begin{aligned} & 50 \\ & \text { (2) } \\ & \text { For belts with } \\ & \text { FRT pattern } \\ & 100 \\ & (3.9) \end{aligned}$ | $\begin{aligned} & 16.66 \\ & (0.7) \end{aligned}$ |
|  | $\begin{gathered} P E_{,} \\ \text {PP, } \\ \text { POM } \end{gathered}$ | $\begin{aligned} & \mathrm{BL}, \\ & \text { WT } \end{aligned}$ | $\begin{gathered} 6 \text { to } 16 \\ \text { (411 to } 1096 \text { ) } \end{gathered}$ | $\begin{aligned} & 50 \\ & \text { (2) } \end{aligned}$ | $\begin{gathered} 40 \\ (1.6) \end{gathered}$ | $\begin{gathered} 20 \\ (0.8) \end{gathered}$ |
| S4.1-0 FLT | PE, PE-MD, PE (R8), PP, PP (R7), POM, POM-MD, POM (R6), PA-HT | BK, <br> BL, BL (BK), UC, WT, WT (BK) | $\begin{gathered} 3 \text { to } 10 \\ \text { (206 to 685) } \end{gathered}$ | $\begin{gathered} 14 \\ (0.55) \end{gathered}$ | $\begin{aligned} & 25 \\ & \text { (1) } \end{aligned}$ | $\begin{aligned} & 12.5 \\ & (0.5) \end{aligned}$ |
| S6.1-0 FLT | PE, PE-MD, <br> PP, PP-MD, POM, POM-CR, POM-MD, PA | $\begin{aligned} & \mathrm{BL}, \\ & \mathrm{LB}, \\ & \mathrm{WT} \end{aligned}$ | $\begin{gathered} 13 \text { to } 30 \\ \text { (891 to 2055) } \end{gathered}$ | $\begin{aligned} & 50 \\ & \text { (2) } \end{aligned}$ | $\begin{gathered} 40 \\ (1.6) \end{gathered}$ | $\begin{gathered} 20 \\ (0.8) \end{gathered}$ |
|  | $\begin{gathered} \text { PE, } \\ \text { PP, } \\ \text { POM, } \\ \text { POM-HC, } \\ \text { PXX-HC } \end{gathered}$ | $\begin{aligned} & \text { AT, } \\ & B K_{1}, \\ & Y L \end{aligned}$ | Plastic pins 18 to 50 (1233 to 3425 ) Stainless steel pins 30 to 60 (2055 to 4110 ) | $\begin{gathered} 40 \\ (1.6) \end{gathered}$ | $\begin{aligned} & 40 \\ & (1.6) \\ & \text { For belts with } \\ & \text { FRT pattern } \\ & 360 \\ & (14.2) \end{aligned}$ | $\begin{gathered} 20 \\ (0.8) \end{gathered}$ |
|  |  | AT, BL, BL(BK), BK, LG, LG (BK), WT, YL | $\begin{gathered} 20 \text { to } 40 \\ (1370 \text { to } 2740) \end{gathered}$ | $\begin{gathered} 25.4 \\ (1) \end{gathered}$ | $\begin{aligned} & 38.1 \\ & (1.5) \end{aligned}$ | $\begin{aligned} & 12.7 \\ & (0.5) \end{aligned}$ |

## Overview Siegling Prolink straight running belts

## Series 10

Pitch 25.4 mm ( 1 in )

Series 13
Pitch 8 mm ( 0.31 in )

Light to medium-duty belt for products in hygiene-sensitive applications.

Light and medium-duty belt for food and non-food nosebar applications.

## Belt types

## S10-0 FLT Closed, smooth surface

S10-22 FLT Open (22\%), smooth surface
S10-0 NTP Closed, with round studs
S10-36 FLT
S10-36 LRB

Open (36\%), smooth surface
Open (36\%), with lateral ribbing

Closed, smooth surface
Closed, with inverted pyramid pattern

## S13-0 FLT S13-0 NPY

Continued from previous double page.


|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { PE, PE-MD, } \\ \text { PP, PP-MD, } \\ \text { POM, POM-MD, } \\ \text { PA } \end{gathered}$ | BL, <br> LB, <br> WT | $\begin{gathered} 3 \text { to } 20 \\ (206 \text { to } 1370) \end{gathered}$ | $\begin{gathered} 25.4 \\ (1) \end{gathered}$ | $\begin{aligned} & 38.1 \\ & (1.5) \end{aligned}$ | $\begin{aligned} & 19.05 \\ & (0.75) \end{aligned}$ |




* All imperial measurements have been rounded up.
** Not all materials are available in all colours.
*** Depending on type and material.
The abbreviations and type designations are explained on the fold-out page at the back.




## Type key*



## Legend

| (1) Series |  |
| :---: | :---: |
| S1 ... S13 |  |
| (2) Open area/Sprocket size |  |
| For sprockets: number of teeth Format: "Z"xx E.g. $Z 12=12$ teeth |  |
| (3) Surface pattern |  |
| BSL = | = Base module for slider |
| CTP = | $=$ Cone top |
| FLT = | = Flat top (smooth) |
| FRT(X) = | $=$ Friction top (Design X ) |
| FRT-OG = | $\mathbf{G}=$ FRT without High Grip insert |
| GRT $=$ | $=$ Grid top |
| LRB = | $=$ Lateral rib |
| MOD = | $=$ Modified module shape |
| NCL $=$ | $=$ No cling |
| NPY = | $=$ Inverted pyramid |
| NSK = | $=$ Non skid |
| NTP = | $=$ Nub top (round studs) |
| RAT = | $=$ Radius top |
| RTP = | = Roller top |
| RRB = | $=$ Raised rib |
| SRS = | $=$ Slip-resistant surface |


| (4) Type |  |
| :---: | :---: |
| A90 | $\begin{aligned} = & \text { Angle } 90^{\circ} \text { to } \\ & \text { conveying direction } \end{aligned}$ |
| CM | $=$ Centre module |
| SML | $=$ Side module, left |
| SMR | $=$ Side module, right |
| SMU | $=$ Side module, universal/both sides |
| UM | $=$ Universal module |
| PMC | $=$ Profile module centre |
| PMU | $=\text { Profile module }$ universal |
| PMU Ixx | $=$ Profile module universal with indent $\mathrm{xx}=$ indent in mm |
| CLP | $=$ Clip |
| IDL | $=$ Idler |
| RI | $=$ High Grip insert |
| SG | $=$ Module with sideguard |
| PIN | $=$ Coupling rod |
| FPL | $=$ Finger plate |
| SLI | $=$ Slider |
| SPR | $=$ Sprocket |
| RTR | $=$ Retaining ring |
| TPL | $=$ Turning panel, left |
| TPR | $=$ Turning panel, right |
| CW | = Clockwise |
| CCW | $=$ Counterclockwise |


| (5) Style |  |
| :--- | :--- |
| BT | $=$ Bearing tap |
| G | $=$ Guided |
| RG | $=$ Reversed guided |
| SG | $=$ Side guard |
| ST | $=$ Strong (S5) |
| DR | $=$ Double row sprocket |
| SP | $=$ Split sprocket |
| F1, F2, | $=$ Collapse factor |
| F3 ... | modules |
| HD | $=$ Hold Down |



## Temperature ranges in ${ }^{\circ} \mathrm{C}$



## Temperature ranges in ${ }^{\circ} \mathrm{F}$



## HACCP types

Series 4.1, 6.1, 10 and 13 in particular support your HACCP concept with a number of hygiene-friendly characteristics.
These features include:

## Easy-to-clean design

- with wide channels underneath the module


## Excellent resistance to hydrolysis

- resistant to hot water, cleaning agents and disinfectants


## Good release properties

- beneficial when manufacturing adhesive foodstuffs (minimal product wastage)
- product residue is easy to remove
- easy-to-clean hinge design


## Blue a strong colour contrast

- soiling is easier to identify
- suitable for usage in optical sorters
- reduces light reflection, making working conditions better


## Declaration of compliances/ Certificates

## FDA/EU

Siegling Prolink modular belts made of PE, PP, POM and PA 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.

## Halal

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

## Friction top

Siegling Prolink modular belts made of PE with Friction top material R7 and of PP with Friction top material R8 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 with the exception of contact to oily and fatty foodstuff.

## Materials

## PE (Polyethylene)

- very good chemical resistance to acids and alkalis
- very good release properties due to low surface tension
- good friction and abrasion behaviour
- extremely tough
- low specific weight


## PP (Polypropylene)

- standard material for normal conveying applications
- quite strong and stiff
- good dynamic capacity
- highly resistant to acids, alkalis, salts, alcohols
- low specific weight
- no risk of stress cracks forming

POM (Polyoxymethylene/Polyacetal)

- very dimensionally stable
- very strong and stiff
- high chemical resistance to organic solvents
- lower drag
- very durable material
- hard, incision-resistant surface


## POM-CR (POM cut resistant)

- highly resistant to impact and incision
- easy to clean
- minimal ridge formation
- low risk of material delamination

POM-HC (POM highly conductive)

- highly conductive material
- surface resistivity $<10^{6} \Omega$ (according to specification)
- very strong and stiff
- very good friction and abrasion properties

POM-MD (POM metal detectable)

- material easily detected in metal detectors
- very strong and stiff
- very good tribological properties (friction and abrasion levels)


## PA (Polyamide)

- good wear resistance in dry applications
- short-term temperature resistance up to $135^{\circ} \mathrm{C}\left(275^{\circ} \mathrm{F}\right)$
- good fatigue resistance


## PA-HT (Polyamide high temperature)

- material reinforced with fibre glass
- very high short-term temperature resistance up to $180^{\circ} \mathrm{C}\left(356^{\circ} \mathrm{F}\right)$
- absorbs little water in humid environments
- very stiff
- durable

PXX-HC (self-extinguishing highly conductive material)

- flame retardant in line with DIN EN 13501-1 ( $\mathrm{C}_{\mathrm{f}}-\mathrm{S} 1$ and DIN 4102 (B1)
- surface resistivity $<10^{6} \Omega$
- specially for use in the automotive industry


## PBT (Polybutylenterephthalate)

- good wear resistance
- very good abrasive resistance
- good strength and stiffness
- not recommend for use in hot water $>60^{\circ} \mathrm{C}\left(140^{\circ} \mathrm{F}\right)$



## Forbo Siegling service - anytime, anywhere

The Forbo Siegling Group employs more than 2,000 people. Our products are manufactured in nine production facilities across the world. You can find companies and agencies with warehouses and workshops in over 80 countries. Forbo Siegling service points are located in more than 300 places worldwide.


[^0]:    S8-0 FLT
    S8-0 SRS
    S8-0 NSK
    S8-25 RAT

    S8-0 FRT1
    S8-0 RTP A90

