Product Range

siegling prolink

modular belts

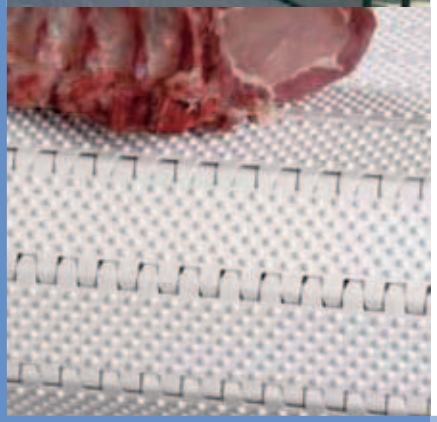
Siegling – total belting solutions

Forbo MOVEMENT SYSTEMS

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 hygiene-sensitive areas, like meat processing: Siegling Prolink modular belts are easy to clean.

Siegling Prolink modular belts

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

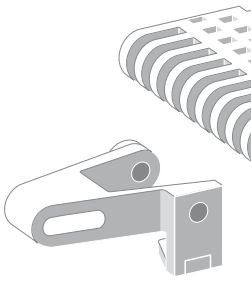
Modular belts are robust and durable. They handle conveying and processing tasks, not possible with conventional belting material.

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.

Content

MOVEMENT SYSTEMS

The Siegling Prolink system: Every belt's a specialist



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

Modular variety in ten series

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.

Choose from ten belt series available in more than 40 belt types, designed for a range of conveying and processing jobs and for handling lightweight to heavy-duty loads.

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

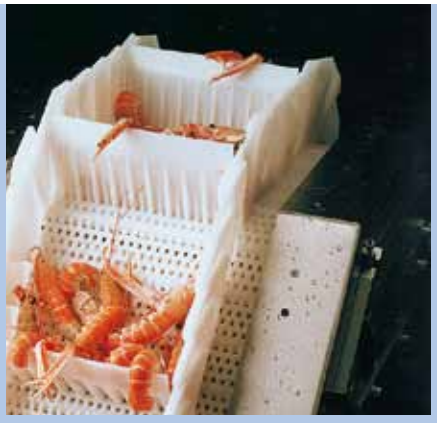
This means:

- 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.



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.

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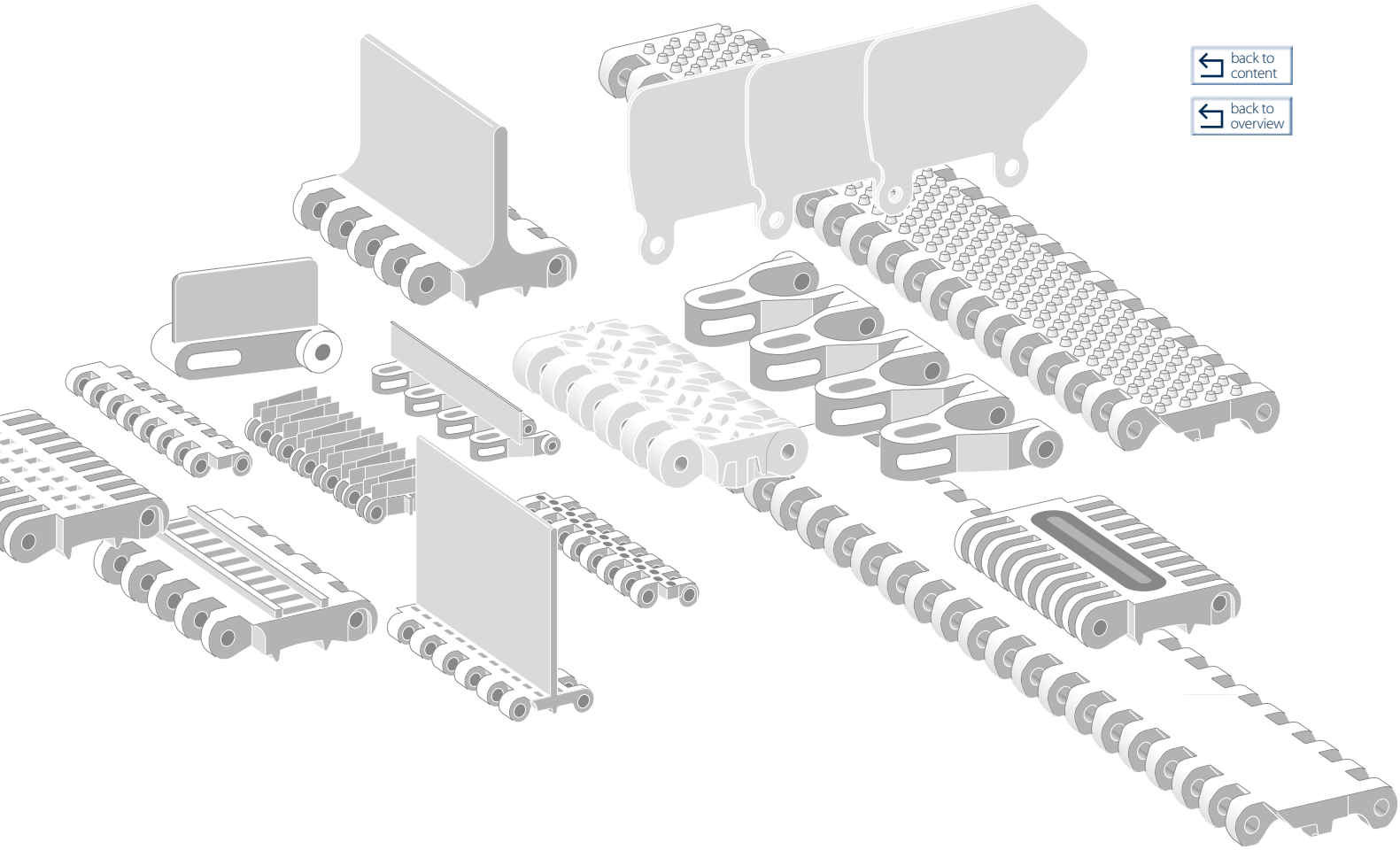

Functional details

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 fold-out 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 Linear modules

		Belt types	
Series 1 Pitch 50 mm (2 in)* Details	**Medium to heavy-duty belt for industrial conveying applications.**	**S1-0 FLT** **S1-18 FLT** **S1-0 NSK** **S1-0 FRT**	Closed, smooth surface Open, smooth surface Closed, anti-skid pattern Closed, friction top
Series 2 Pitch 25 mm (1 in)* Details	**Light-duty belt for food and container handling and for light industrial applications.**	**S2-0 FLT** **S2-12 FLT** **S2-57 GRT** **S2-57 RRB** **S2-0 FRT**	Closed, smooth surface Open, smooth surface Large open area, lattice-shaped surface Large open area, raised ribs for transfer processes Closed, friction top
Series 3 Pitch 50 mm (2 in)* Details	**Medium-duty belt for food and non-food applications. Easy-to-clean, open-hinge design.**	**S3-0 FLT** **S3-16 FLT** **S3-0 LRB** **S3-16 LRB**	Closed, smooth surface Open, smooth surface Closed, with lateral ribbing Open, with lateral ribbing
Series 4.1 Pitch 14 mm (0.55 in)* Details	**Light to medium-duty belt for food and non-food applications. Small pitch allows tight product transfers, including nose bars.**	**S4.1-0 FLT** **S4.1-0 NPY** **S4.1-0 FRT1** **S4.1-21 FLT** **S4.1-21 NTP**	Closed, smooth surface Closed surface, with inverted pyramid pattern Closed, friction top Open, smooth surface Open, with round studs
NSF Certified **Series 6.1** Pitch 50 mm (2 in)* Details	**Medium-duty belt designed specifically for demanding applications in meat, poultry and seafood processing, including cutting, de-boning and skinning lines. Easy-to-clean, open hinge design.**	**S6.1-0 FLT** **S6.1-0 NTP** **S6.1-0 CTP** **S6.1-23 FLT**	Closed, smooth surface Closed, with round studs Closed, with pointed studs Open, smooth surface
Series 7 Pitch 40 mm (1.6 in)* Details	**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.**	**S7-0 FLT** **S7-6 FLT** **S7-0 NSK** **S7-6 NSK** **S7-0 FRT**	Closed, smooth surface Open, smooth surface Closed, anti-skid pattern Open, anti-skid pattern Closed, friction top

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	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]***	Pitch [mm (in)]*	Belt width min. [mm (in)]*	Width increments [mm (in)]*
 S1-0 FLT	PE, PP, POM, POM-HC	AT, WT	18 to 40 (1233 to 2740)	50 (2)	50 (2) For belts with FRT pattern 250 (9.8)	10 (0.4)
 S2-0 FLT	PE, PP, POM, PA 6.6-HT	BL, WT	3 to 7 (206 to 480)	25 (1)	50 (2) For belts with FRT pattern 100 (3.9)	16.66 (0.7)
 S3-0 FLT	PE, PP, POM	WT	6 to 16 (411 to 1096)	50 (2)	40 (1.6)	20 (0.8)
 S4.1-0 FLT	PE, PE (R8), PP, PP (R7), POM, POM (R6)	BL, BL (BK), WT, WT (BK)	3 to 10 (206 to 685)	14 (0.55)	25 (1)	12.5 (0.5)
 S6.1-0 FLT	PE, PP, POM, POM-CR	LB, WT	13 to 30 (891 to 2055)	50 (2)	40 (1.6)	20 (0.8)
 S7-0 FLT	PE, PP, POM, POM-HC, PXX-HC	AT	Plastic pins 18 to 50 (1233 to 3425) Stainless steel pins 40 to 60 (2740 to 4110)	40 (1.6)	40 (1.6) For belts with FRT pattern 360 (14.2)	20 (0.8)

More types on the following double page.

* 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.

Overview Siegling Prolink Linear modules

		Belt types	
Series 8 Pitch 25.4 mm (1 in) Details	**Medium to heavy-duty belt for industrial applications.**	**S8-0 FLT** **S8-0 NSK** **S8-25 RAT** **S8-0 FRT1**	Closed, smooth surface Closed, anti-skid pattern Open surface with rounded contact surfaces Closed, friction top
NSF Certified **Series 10** Pitch 25.4 mm (1 in) Details	**Light to medium-duty belt for products in hygiene-sensitive applications.**	**S10-0 FLT** **S10-22 FLT**	Closed, smooth surface Open, smooth surface

Overview Siegling Prolink Curved modules

		Belt types	
Series 5 Pitch 25 mm (1 in)* Details	**Medium-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile curved belt with large open area.**	**S5-45 GRT** **S5-45 GRT G** **S5-45 NTP** **S5-45 FRT** **S5-45 GRT ST**	Lattice shaped, large open area Guided side module Very large open area, lattice shaped with round studs With friction top Reinforced type
Series 9 Pitch 50 mm (2 in)* Details	**Heavy-duty radius and spiral belt with stainless steel hinge pins. Exceptionally strong and versatile curved belt with large open area.**	**S9-57 GRT** **S9-57 GRT G** **S9-57 NTP** **S9-57 GRT F2, F3, F4, F5, F6, F7, F8**	Lattice shaped, large open area Guided side module Very large open area, lattice shaped with round studs Enhanced to handle large curve radii

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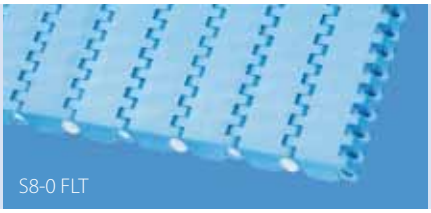
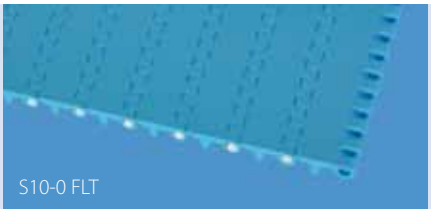
	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]***	Pitch [mm (in)]	Belt width min. [mm (in)]	Width increments [mm (in)]
 S8-0 FLT	PP, PP (R7), POM, POM (R6), POM-CR, PXX-HC	AT, BL, BL (BK), BK, LG, LG (BK), WT	20 to 40 (1370 to 2740)	25.4 (1)	38.1 (1.5)	12.7 (0.5)
 S10-0 FLT	PE, PP, POM	LB, WT	3 to 20 (206 to 1370)	25.4 (1)	38.1 (1.5)	19.05 (0.75)

	Materials**	Colours (standard)**	Allowable belt pull [N/mm (lb/ft)]*** (Straight)	Allowable belt pull [N (lb)]*** (Curves)	Pitch [mm (in)]*	Belt width min. [mm (in)]*	Width increments [mm (in)]*	Technical notes
 S5-45 GRT	PE, PP, POM	DB, WT	10 to 25 (685 to 1713)	1000 to 2100 (225 to 473)	25 (1)	100 (3.9)	25 (1)	Min. curve radius = 2 x belt width, min. length of the straight in-feed/out-feed section in front of/after curve = 2 x belt width.
 S9-57 GRT	PE, PP, POM	LG, WT	12 to 30 (822 to 2055)	1600 to 2800 (360 to 630)	50 (2)	100 (3.9)	50 (2)	Min. curve radius = 1.8 x belt width, min. length of the straight in-feed/out-feed section in front of/after curve = 2 x belt width.

* 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.

Overview of areas used

	Fruit and vegetables									Baked goods									
	Cleaning	Draining	Elevators	Sorting	Standard conveying	Deep freezing	Palletizing/de-palletizing	Container conveying	Sterilising/cooling	Emptying moulds	Cleaning tunnels	Spirals	Cooling/freezing	Standard conveying	Decorating/glazing	Metal detectors	Conveying sheets/moulds	Laminating	Packaging
Series 1																			
S1-0 FLT	●		●	●	●					●	●						●		●
S1-18 FLT		●	●		●	●					●								
S1-0 NSK																			
S1-0 FRT																			
Series 2																			
S2-0 FLT				●	●									●	●		●	●	●
S2-12 FLT																			
S2-57 GRT	●	●				●			●				●			●		●	
S2-57 RRB						●	●	●	●				●			●			
S2-0 FRT							●	●											
Series 3																			
S3-0 FLT			●	●	●		●	●		●				●	●		●		●
S3-16 FLT	●	●	●		●	●			●		●								
S3-0 LRB																			
S3-16 LRB																			
Series 4.1																			
S4.1-0 FLT													●	●	●	●		●	●
S4.1-0 NPY													●	●		●		●	
S4.1-0 FRT1			●				●							●					●
S4.1-21 FLT													●	●	●	●		●	●
S4.1-21 NTP		●	●																
Series 5																			
S5-45 GRT	●	●			●	●			●	●	●		●	●		●	●		
S5-45 GRT G	●	●			●	●			●	●	●	●	●	●		●	●		
S5-45 NTP																			
S5-45 FRT																			
S5-45 GRT ST	●	●			●	●			●	●	●	●	●	●		●	●		
Series 6.1																			
S6.1-0 FLT		●	●			●				●				●		●			●
S6.1-0 NTP																			
S6.1-0 CTP																			
S6.1-23 FLT	●	●	●		●	●			●		●		●	●					
Series 7																			
S7-0 FLT																			
S7-6 FLT																			
S7-0 NSK																			
S7-6 NSK																			
S7-0 FRT																			
Series 8																			
S8-0 FLT					●		●	●		●							●		●
S8-0 NSK																			
S8-25 RAT							●	●									●		
S8-0 FRT1			●				●							●					●
Series 9																			
S9-57 GRT	●	●				●			●		●		●	●			●		
S9-57 GRT G	●	●				●			●		●	●	●	●			●		
S9-57 NTP																			
S9-57 GRT F2, F3, F4, F5, F6, F7, F8												●							
Series 10																			
S10-0 FLT			●	●	●								●	●	●	●			
S10-22 FLT	●	●	●		●						●		●			●			

	Meat and poultry							Fish							Automotive/ tyre industry				Logistics			Other applications									
	Cutting/jointing	Trimming	Cooling/freezing	Standard conveying	Elevators	Metal detectors	Packaging	Elevators	Draining	Inspection benches	Standard conveying	Freezing/decorating	Metal detectors	Packaging	Vehicle conveying	Tire conveying	Skid conveying	Worker belts	General logistics	Package sorting	Airports	Textiles industry	Glass industry	Deep freezing/freezing towers	Dairy products	Conveying people	Ski lift/access belts	Unit goods	Palette conveyors	Paper	Corrugated cardboard
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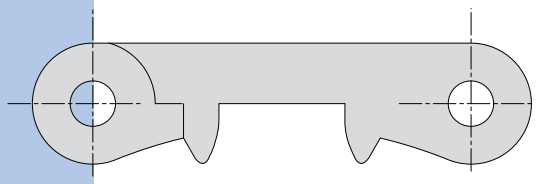
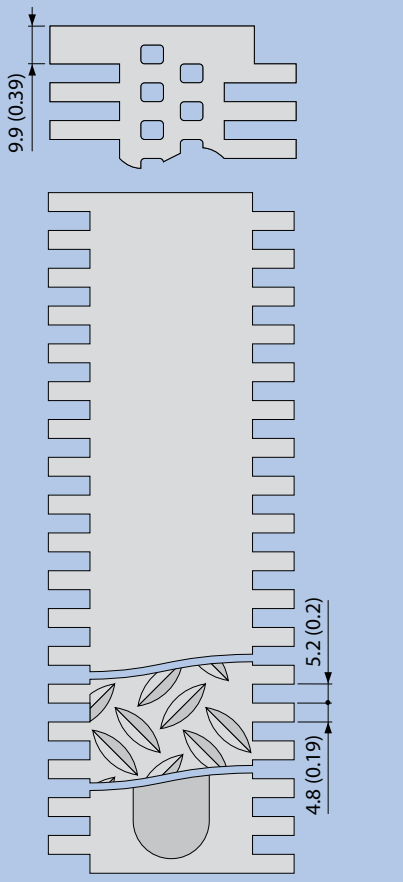
Siegling Prolink

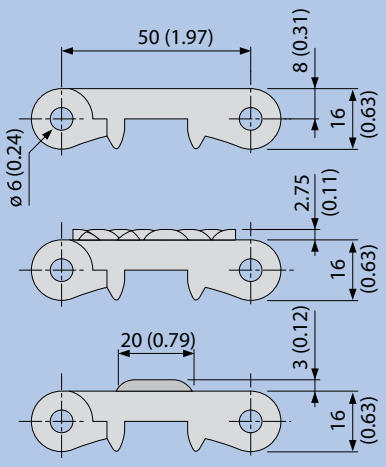
Series 1

Linear modules, pitch 50 mm (2 in)



Scale 1:1





Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

Design characteristics

- Medium to heavy-duty belt for industrial conveying applications.
- Durable construction.
- Used in non-food applications such as package and parcel handling, worker belts for the automotive industry, ski lift belts, etc.

Belt types

S1-0 FLT

Closed, smooth surface

S1-18 FLT

Open, smooth surface

S1-0 NSK

Closed surface and anti-skid pattern

S1-0 FRT

Closed surface and friction top

Pitch
50 mm (2 in)

Belt width min.
50 mm (2 in)
250 mm (9.8 in) for belts with FRT-pattern (side modules only available without FRT-pattern).

Width increments
In increments of 10 mm (0.4 in).

Hinge pins
Made of plastic, (PE, PP, POM), as a special type made of stainless steel.

Certification
For certification see fold-out page.

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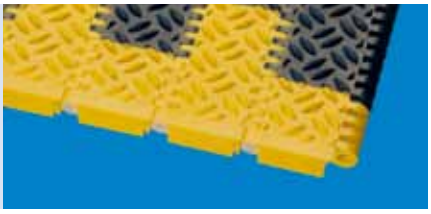
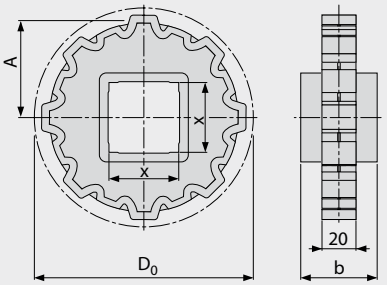
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT	0	18 (1233)	10.1 (2.1)
	PP	WT	0	30 (2055)	9.4 (1.9)
	POM	WT/AT	0	40 (2740)	14.4 (3.0)
	PE	WT	18	18 (1233)	8.8 (1.8)
	PP	WT	18	30 (2055)	8.2 (1.7)
	POM	WT	18	40 (2740)	12.7 (2.6)
	PE		0	18 (1233)	11.2 (2.3)
	PP		0	30 (2055)	10.4 (2.1)
	POM	AT	0	40 (2740)	16.0 (3.3)
	POM-HC	AT	0	40 (2740)	16.0 (3.3)
	PE		0	18 (1233)	10.1 (2.1)
	PP		0	30 (2055)	9.4 (1.9)
	POM	WT	0	40 (2740)	14.4 (3.0)

Sprockets



Sprocket size		Z6	Z8	Z10	Z12	Z16
b	[mm]	40	40	40	40	40
	[in]	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
D_0	[mm]	100	131	162	193	256
	[in]	(3.9)	(5.2)	(6.4)	(7.6)	(10.0)
A	[mm]	42	57	73	89	120
	[in]	(1.7)	(2.2)	(2.9)	(3.5)	(4.7)
x	**[mm] (sprocket bore metric)**					
	30	●	●	●		
	40	■	■	■	■	■
	60		■	■	■	■
	80				■	■
x	**[in] (sprocket bore imperial)**					
	1		●	●		
	1.5	■	■	■	■	
	2.5				■	■

● Sprocket bore round
■ Sprocket bore square

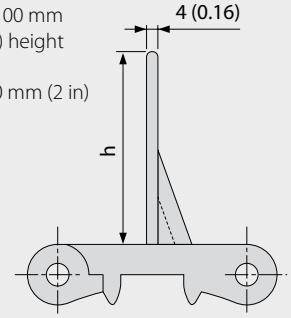
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

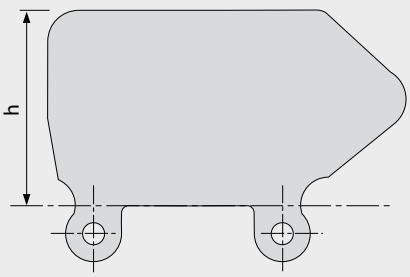
Profile and side guard designs

Profiles
25, 50, 75, 100 mm (1, 2, 3, 4 in) height

as of h ≥ 50 mm (2 in) also bent



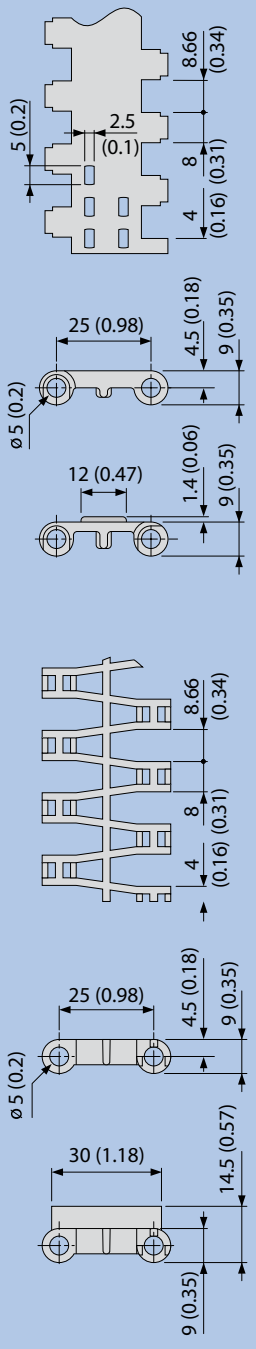
Side guards
25, 50, 75, 100 mm (1, 2, 3, 4 in) height



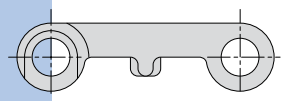
Siegling Prolink

Series 2

Linear modules, pitch 25 mm (1 in)



Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.



Scale 1:1

Design characteristics

- Light-duty belt for food and container handling and for light industrial applications.
- Easy-to clean, open-hinge design.
- Available in several styles with large open area, making it an excellent choice for draining, cooling and drying applications.
- Used in food and non-food applications where product drainage or drying is needed, e.g. light container handling, in-feed and discharge belts for packaging and automation equipment, metal detectors, confectionery, fruit and vegetable processing, etc.

Pitch
25 mm (1 in)

Belt width min.
50 mm (2 in)
100 mm (3.9 in) for belts with FRT-pattern.

Width increments
In increments of 16.66 mm (0.7 in).

Hinge pins
Made of plastic (PE, PP, POM).

Certification
For certification see fold-out page.

Drum motor
Power transmission using drum motors with rubber coating and profiles applied is possible. Please enquire.

Belt types

S2-0 FLT

Closed, smooth surface

S2-12 FLT

Smooth surface with open area

S2-57 GRT

Very permeable surface with lattice pattern

S2-57 RRB

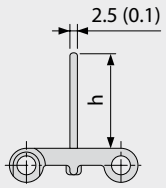
Very permeable surface
with raised lattice pattern

S2-0 FRT

Closed surface with friction top

Profile and side guard designs/ accessories

Profiles
25, 50 mm (1, 2 in) height



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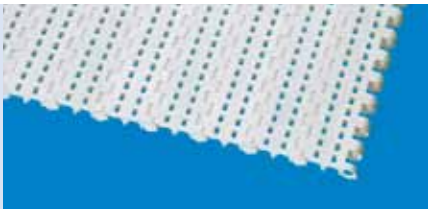
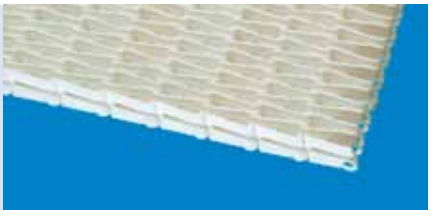
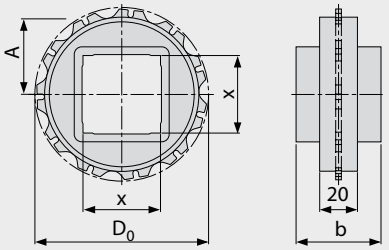
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT	0	3 (206)	3.9 (0.8)
	PP	WT/BL	0	5 (343)	3.7 (0.8)
	POM	WT/BL	0	7 (480)	5.7 (1.2)
	PE	WT	12	3 (206)	3.7 (0.8)
	PP	WT/BL	12	5 (343)	3.5 (0.7)
	POM		12	7 (480)	5.4 (1.1)
	PE	WT	57	3 (206)	3.4 (0.7)
	PP	WT/BL	57	5 (343)	3.3 (0.7)
	POM	WT/BL	57	7 (480)	4.8 (1.0)
	PA 6.6-HT		57	5 (343)	4.0 (0.8)
	PE		57	3 (206)	4.3 (0.9)
	PP	WT	57	5 (343)	4.2 (0.9)
	POM		57	7 (480)	6.2 (1.3)
	POM		0	7 (480)	5.7 (1.2)

Sprockets



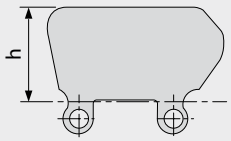
Sprocket size		Z6	Z11	Z19	Z20
b	[mm]	25	40	40	40
	[in]	(1.0)	(1.6)	(1.6)	(1.6)
D_0	[mm]	51	90	154	161
	[in]	(2.0)	(3.5)	(6.1)	(6.3)
A	[mm]	21	40	72	76
	[in]	(0.8)	(1.6)	(2.8)	(3.0)
x	**[mm] (sprocket bore metric)**				
	25	●/■			
	30		●		
	40		■	■	■
	60			■	
	80			■	
x	**[in] (sprocket bore imperial)**				
	3/4	●			
	1		●/■		
	1.5		■	■	
	2.5			■	

● Sprocket bore round
■ Sprocket bore square

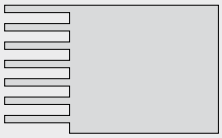
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

Side guards
25, 50 mm (1, 2 in) height



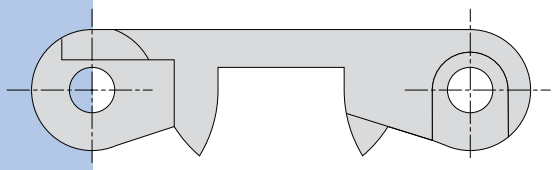
Finger plates
in POM for type S2 RRB



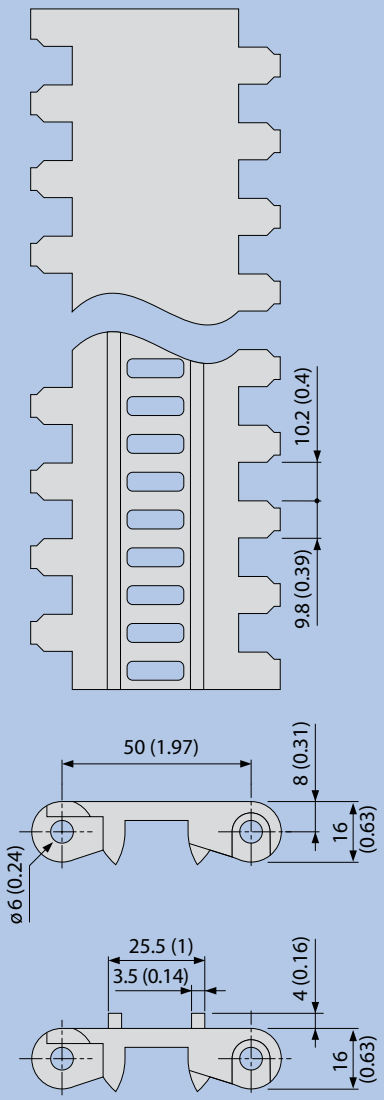
Siegling Prolink

Series 3

Linear modules, pitch 50 mm (2 in)



Scale 1:1



Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

Design characteristics

- Medium-duty belt for food industry applications.
- Easy-to clean, open-hinge design.
- Used in food and non-food applications, such as accumulation belts, fruit and vegetable processing, baking, etc.

Pitch
50 mm (2 in)

Belt width min.
40 mm (1.6 in)

Width increments
In increments of 20 mm (0.8 in).

Hinge pins
Made of plastic (PE, PP, POM), as a special type made also in blue or stainless steel.

Certification
For certification see fold-out page.

Drum motor
Power transmission using drum motors with rubber coating and profiles applied is possible. Please enquire.

Belt types

S3-0 FLT

Closed, smooth surface

S3-16 FLT

Smooth surface with open area

S3-0 LRB

Closed surface with lateral ribs for better grip in inclined conveying

S3-16 LRB

Open area and lateral ribbing for better grip in inclined conveying

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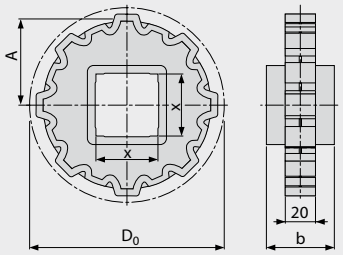
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT	0	6 (411)	7.5 (1.5)
	PP	WT	0	12 (822)	7.1 (1.5)
	POM		0	16 (1096)	10.1 (2.1)
	PE	WT	16	6 (411)	7.3 (1.5)
	PP		16	12 (822)	6.5 (1.3)
	POM		16	16 (1096)	9.5 (1.9)
	PE		0	6 (411)	7.6 (1.6)
	PP		0	12 (822)	7.2 (1.5)
	POM		0	16 (1096)	10.3 (2.1)
	PE		16	6 (411)	7.4 (1.5)
	PP		16	12 (822)	6.6 (1.4)
	POM		16	16 (1096)	9.7 (2.0)

Sprockets



Sprocket size		Z6	Z8	Z10	Z12	Z16
b	[mm]	40	40	40	40	40
	[in]	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
D_0	[mm]	100	131	162	193	256
	[in]	(3.9)	(5.2)	(6.4)	(7.6)	(10.0)
A	[mm]	42	57	73	89	120
	[in]	(1.7)	(2.2)	(2.9)	(3.5)	(4.7)
x	**[mm] (sprocket bore metric)**					
	30	●	●	●		
	40	■	■	■	■	■
	60		■	■	■	■
	80				■	■
x	**[in] (sprocket bore imperial)**					
	1		●	●		
	1.5	■	■	■	■	
	2.5				■	■

● Sprocket bore round
■ Sprocket bore square

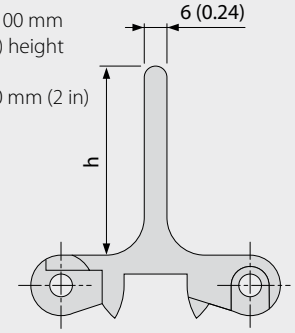
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

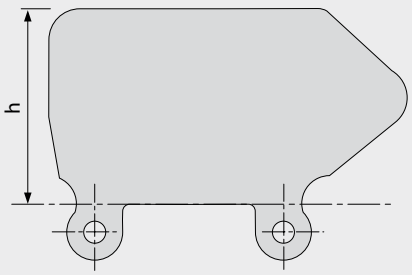
Profile and side guard designs

Profiles
25, 50, 75, 100 mm (1, 2, 3, 4 in) height

as of h ≥ 50 mm (2 in) also bent



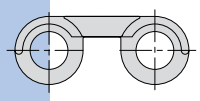
Side guards
25, 50, 75, 100 mm (1, 2, 3, 4 in) height



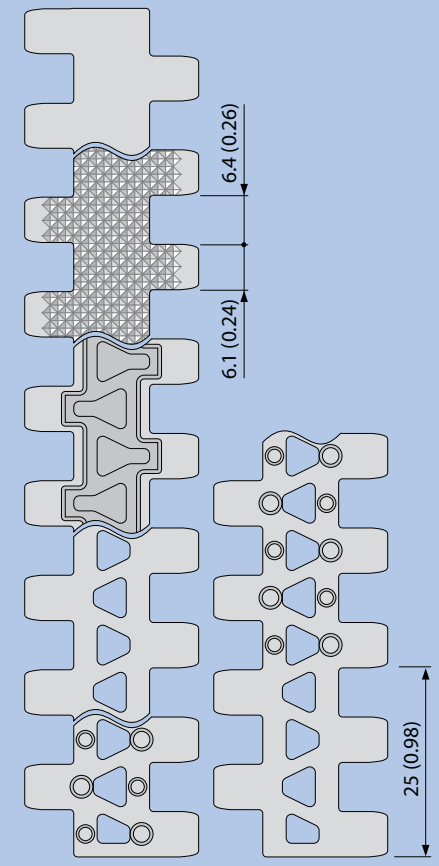
Siegling Prolink

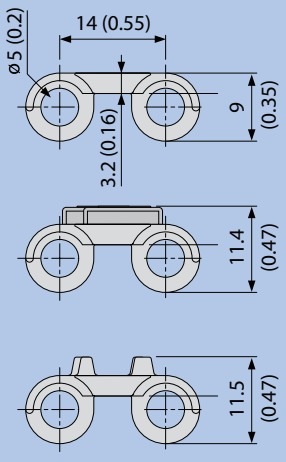
Series 4.1

Linear modules, pitch 14 mm (0.55 in)*



Scale 1:1





Key dimensions in mm and inches (in), scale 1:2.
* All imperial dimensions (inches) are rounded off.

14 mm (0.55 in) pitch straight running belt for light and medium-duty food and non-food applications.

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

Special features

- inverted pyramid pattern provides superb release characteristics when conveying wet or sticky products
- friction top with slightly elevated triangular shapes to reduce contact area/increase contact pressure to optimise grip and to channel dirt away from the friction surface
- large open area for excellent air circulation and drainage
- nub top surface for good release of wet and sticky products

Pitch
14 mm (0.55 in)

Belt width min.
25 mm (1 in)

Width increments
In increments of 12.5 mm (0.5 in).

Hinge pins
5 mm (0.2 in) pins made of plastic (PE, PP, PBT).

Certification
For certification see fold-out page.

Belt types

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, smooth surface

S4.1-21 NTP

Open surface with round studs
Version available without round studs at the side (25 mm indent)

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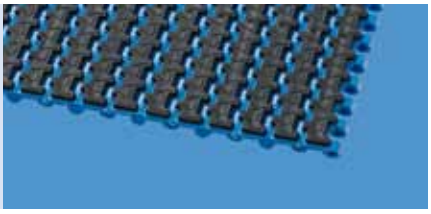
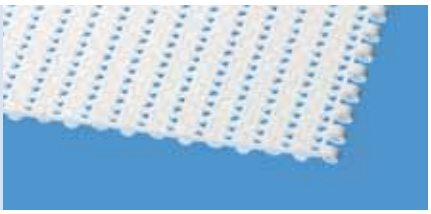
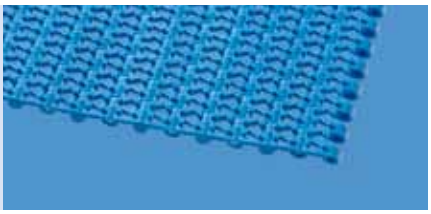
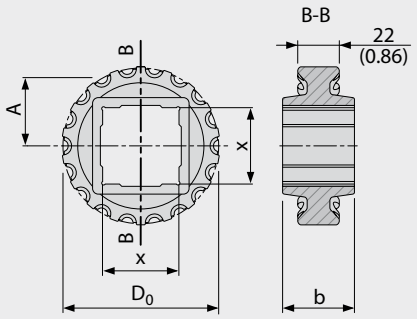
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT	0	3 (206)	5.1 (1.0)
	PP	WT/BL	0	5 (343)	4.6 (0.9)
	POM	WT/BL	0	10 (685)	7.1 (1.5)
	PE	BL	0	3 (206)	5.1 (1.0)
	PP	BL	0	5 (343)	4.6 (0.9)
	POM	BL	0	10 (685)	7.1 (1.5)
	PE (R8)	WT (BG)	0	3 (206)	6.1 (1.2)
	PP (R7)	BL (BK) WT (BG)	0	5 (343)	5.9 (1.2)
	POM (R6)	BL (BK)	0	10 (685)	8.5 (1.7)
	PE	WT	21	3 (206)	4.5 (0.9)
	PP	WT/BL	21	5 (343)	4.1 (0.8)
	POM	WT/BL	21	10 (685)	6.5 (1.3)
	PE	BL	21	3 (206)	4.6 (0.9)
	PP	WT	21	5 (343)	4.2 (0.9)
	POM	BL	21	10 (685)	6.6 (1.3)

Sprockets



Sprocket size		Z10	Z12	Z18	Z26	Z35
b	[mm]	25	25	38	38	38
	[in]	(1.0)	(1.0)	(1.5)	(1.5)	(1.5)
D_0	[mm]	46	55	82	119	160
	[in]	(1.8)	(2.2)	(3.2)	(4.7)	(6.3)
A	[mm]	19	23	37	55	76
	[in]	(0.7)	(0.9)	(1.5)	(2.2)	(3.0)
x	**[mm] (sprocket bore metric)**					
	20	●/■				
	25		■	■		●
	30					●
	40			■	■	■
	60				■	■
x	**[in] (sprocket bore imperial)**					
	3/4	●				
	1		■	●		●
	1.25			●		●
	1.5			■	■	■
	2.5				■	■

● Sprocket bore round
■ Sprocket bore square

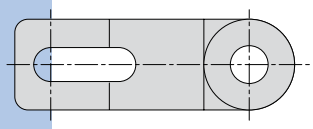
b Sprocket width
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

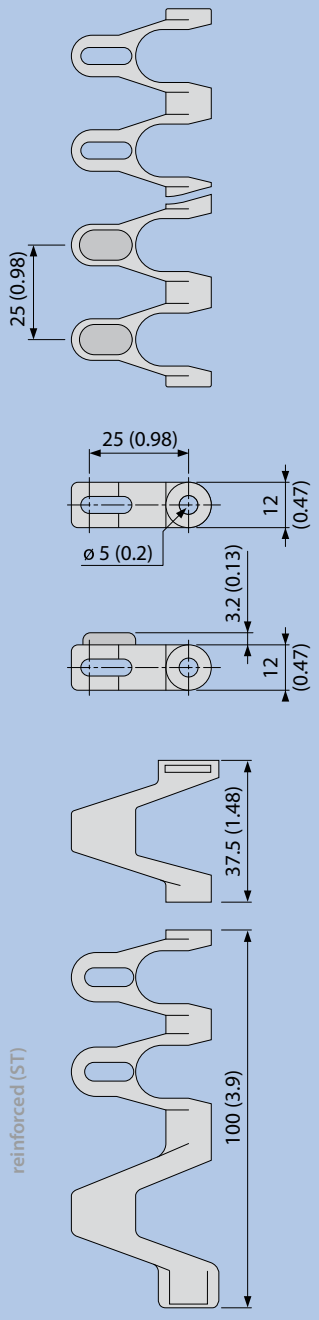
Siegling Prolink

Series 5

Curved modules, pitch 25 mm (1 in)



Scale 1:1



Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

Design characteristics

- Curved and spiral belt with stainless steel hinge pins for conveying medium-weight goods. Exceptionally strong and permeable.
- Minimum turning radius of 2 x belt width.
- Large open area provides excellent product drying and cooling capability.
- Used for spiral cooling towers, spiral freezers and radius conveyors in food industries such as baking, meat and poultry processing and processed foods.

Pitch
25 mm (1 in)

Belt width min.
100 mm (3.9 in), 175 mm (6.9 in) for S5 ST (side modules only available without FRT- and without NTP-pattern).

Width increments
In increments of 25 mm (1 in).

Hinge pins
Stainless steel (plastic pins can also be used for straight conveyors).

Certification
For certification see fold-out page.

Technical notes
Minimum curve radius = 2 x belt width.
Minimum length of the straight in-feed/out-feed section before and after the curve = 2 x belt width.

Comments
ST types combinable with standard centre curve modules, NTP, FRT.
ST types not combinable with Guided (G), Side Guards (SG) or Bearing Tab (BT).

Please contact us should you require small curve radii.

Belt types

S5-45 GRT

Lattice-shaped surface with large open area

S5-45 GRT G

Lattice-shaped surface with large open area and hold-down tabs

S5-45 NTP

Particularly permeable, lattice-shaped surface with 1.7 mm/0.07 in high round studs

S5-45 FRT

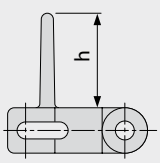
Very permeable, lattice-shaped surface with friction top

S5-45 GRT ST

Reinforced version of series 5. Wide outer modules (75 mm/2.9 in and 100 mm/3.9 in) ensure extra belt stability and better transmission of force in curves

Profile and side guard designs/ special modules

Profiles
25, 50 mm (1, 2 in) height



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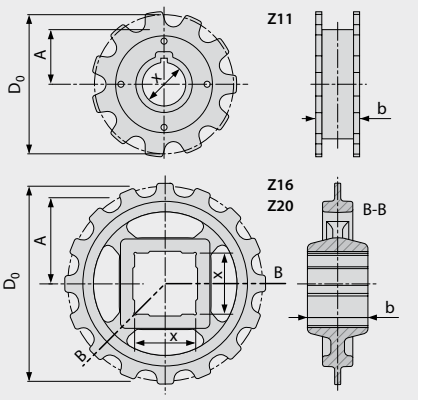
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Straight)	Allowable belt pull [N (lb)] (Curves)	Weight [kg/m² (lb/ft²)] (Stainles steel pins)
	PE		45	10 (685)	–	11 (2.3)
	PP	WT/DB	45	18 (1233)	1000 (225)	10 (2.1)
	POM	WT/DB	45	25 (1713)	1800 (405)	13 (2.7)
	PE		45	10 (685)	–	11 (2.3)
	PP	WT/DB	45	18 (1233)	1000 (225)	10 (2.1)
	POM	WT/DB	45	25 (1713)	1800 (405)	13 (2.7)
	PE		45	10 (685)	–	11.2 (2.3)
	PP		45	18 (1233)	1000 (225)	10.1 (2.1)
	POM		45	25 (1713)	1800 (405)	13.2 (2.7)
	PP		45	18 (1233)	1000 (225)	10.2 (2.1)
	PE		47	10 (685)	–	11.1 (2.3)
	PP	WT/DB	47	18 (1233)	1200 (270)	10.2 (2.1)
	POM	WT/DB	47	25 (1713)	2100 (473)	13.2 (2.7)

Sprockets



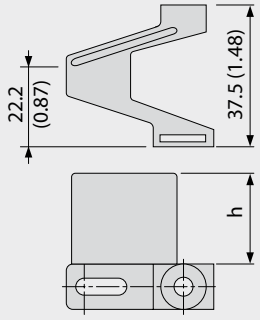
Sprocket size		Z11 DR	Z16	Z20
b	[mm]	29	40	40
	[in]	(1.1)	(1.6)	(1.6)
D_0	[mm]	89	129	161
	[in]	(3.5)	(5.1)	(6.3)
A	[mm]	38	58	78
	[in]	(1.5)	(2.3)	(3.1)
x	**[mm] (sprocket bore metric)**			
	25	●		
	30	●	●	●
	40	■	■	■
x	**[in] (sprocket bore imperial)**			
	1		●	●
	1.5	■	■	■

● Sprocket bore round
■ Sprocket bore square

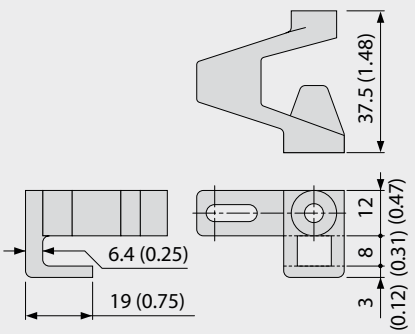
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support
DR Double row sprocket

The abbreviations and type key are explained on the fold-out page at the back.

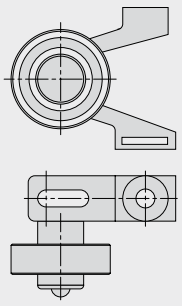
Side guards
25, 50 mm (1, 2 in) height



Guided version (G)



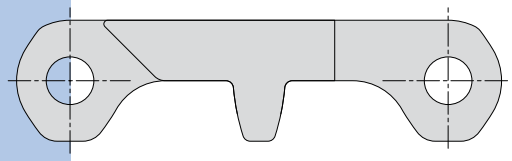
Ball-bearing (BT) module



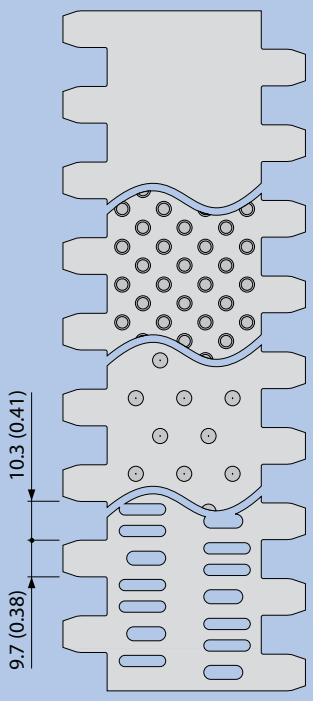
Siegling Prolink

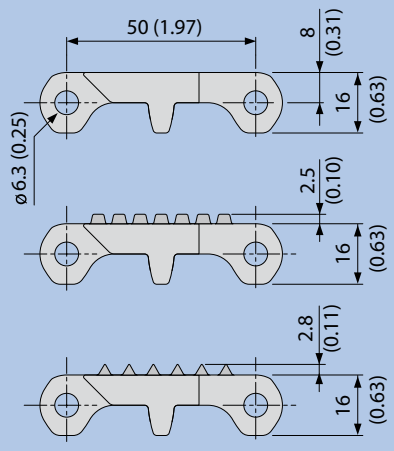
Series 6.1

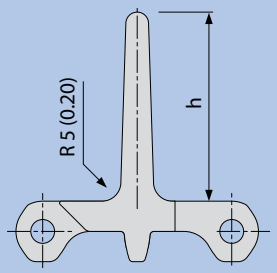
Linear modules, pitch 50 mm (2 in)*



Scale 1:1







Key dimensions in mm and inches (in), scale 1:2.
* All imperial dimensions (inches) are rounded off.

50 mm (2 in) pitch straight running belt for medium and heavy-duty, hygiene-critical applications.

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
- special sprocket design with enhanced tooth engagement for excellent force transmission

Special features

- open area for excellent air circulation and drainage
- special surface pattern for superior grip
- nub top surface for good release of wet and sticky products
- profiles with flat top surface for dry products
- profiles with no-cling surface to improve release of wet and sticky products
- side guards for retention of bulk products

Pitch
50 mm (2 in)

Belt width min.
40 mm (1.6 in)

Width increments
In increments of 20 mm (0.8 in)

Hinge pins
Made of plastic (PE, PP, PBT).

Certification
For certification see fold-out page.

Drum motor
Power transmission using drum motors with rubber coating and profiles applied is possible. Please enquire.

Belt types

S6.1-0 FLT

Easy-to-clean belt with closed, smooth surface

S6.1-0 NTP

Easy-to-clean belt with closed surface and round studs

S6.1-0 CTP

Easy-to-clean belt with closed surface and pointed studs

S6.1-23 FLT

Easy-to-clean belt with open, smooth surface

Also available in POM-CR for extra puncture/cut resistance

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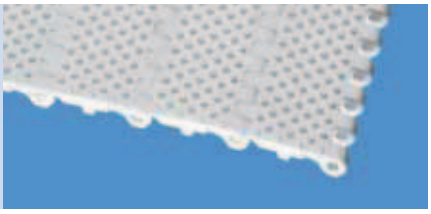
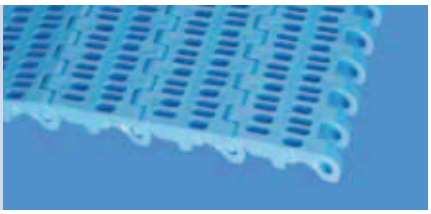
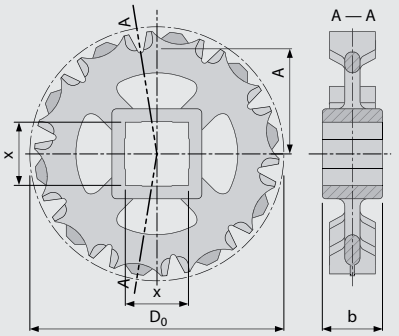
	Materials*	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT/LB	0	13 (891)	9.4 (1.9)
	PP	WT/LB	0	18 (1233)	8.3 (1.7)
	POM	WT/LB	0	30 (2055)	13.4 (2.7)
	POM-CR	WT	0	30 (2055)	13.4 (2.7)
	PE	WT	0	13 (891)	9.6 (2.0)
	POM		0	30 (2055)	13.7 (2.8)
	PE		0	13 (891)	9.5 (1.9)
	POM	WT	0	30 (2055)	13.5 (2.8)
	PE	WT/LB	23	13 (891)	8.2 (1.7)
	PP	WT/LB	23	18 (1233)	7.0 (1.4)
	POM		23	30 (2055)	11.3 (2.3)

* Apart from the standard materials modules are also available in POM-MD upon request.

Sprockets



Sprocket size		Z6	Z8	Z10	Z12
b	[mm]	38	38	38	38
	[in]	(1.5)	(1.5)	(1.5)	(1.5)
D_0	[mm]	101	132	163	195
	[in]	(4.0)	(5.2)	(6.4)	(7.7)
A	[mm]	42	58	74	89
	[in]	(1.7)	(2.3)	(2.9)	(3.5)
x	**[mm] (sprocket bore metric)**				
	30	●	●	●	
	40	■	■	■	■
	60			■	■
x	**[in] (sprocket bore imperial)**				
	1	●	●	●	
	1.5	■	■	■	■
	2.5			■	■

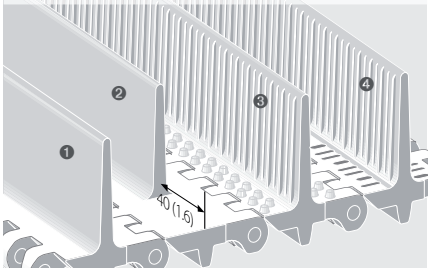
● Sprocket bore round
■ Sprocket bore square

b Sprocket width
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

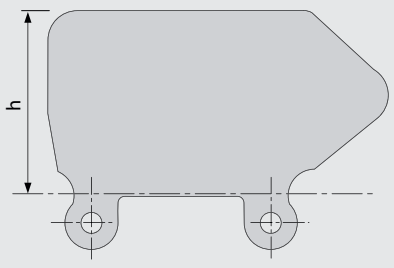
The abbreviations and type key are explained on the fold-out page at the back.

Profile and side guard designs

Surface	Height (h) in mm (in)
❶ Flat top	50, 100, 150, 200 (2, 4, 6, 8)
❷ Flat top w. 40 (1.6) indent	50, 100 (2, 4)
❸ No cling, closed base	100 (4)
❹ No cling, drain base (23%)	100 (4)



Side guards
25, 50, 75, 100 mm (1, 2, 3, 4 in) height



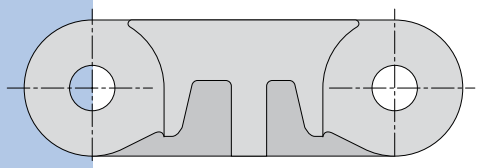
Siegling Prolink Series 6.1 is certified by NSF to NSF/ANSI Standard 14159-3

Certified

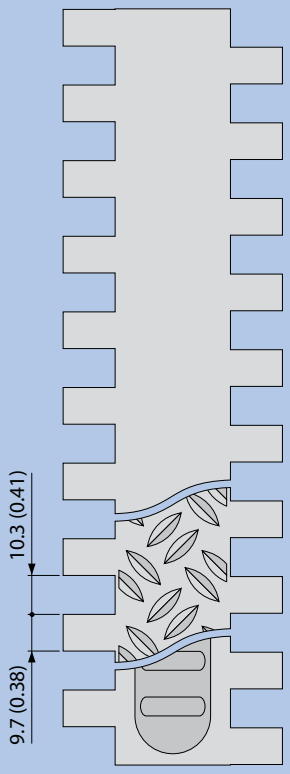
Siegling Prolink

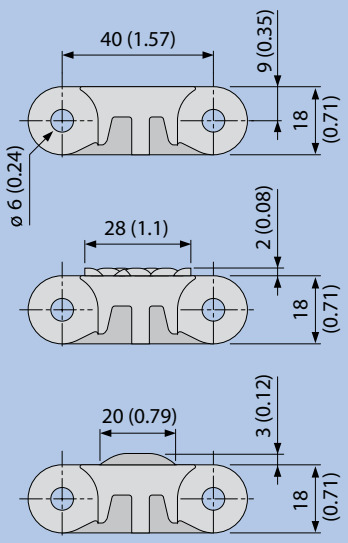
Series 7

Linear modules, pitch 40 mm (1.6 in)



Scale 1:1





Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

Design characteristics

- 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.
- Available in self-extinguishing materials and no-skid surface patterns.

Pitch
40 mm (1.6 in)

Belt width min.
40 mm (1.6 in)
360 mm (14.2 in) for belts with FRT-pattern (side modules only available without FRT-pattern).

Width increments
In increments of 20 mm (0.8 in).

Hinge pins
Made of plastic (PBT) or stainless steel.

Certification
For certification see fold-out page.

Belt types

S7-0 FLT

Closed, smooth surface

S7-6 FLT

Slightly permeable, smooth surface

S7-0 NSK

Closed surface and anti-skid pattern

S7-6 NSK

Slightly permeable, smooth surface
with anti-skid pattern

S7-0 FRT

Closed surface and friction top

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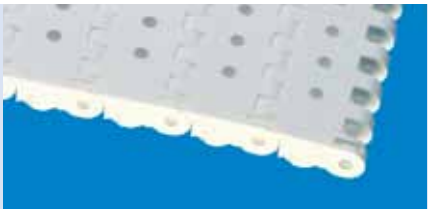
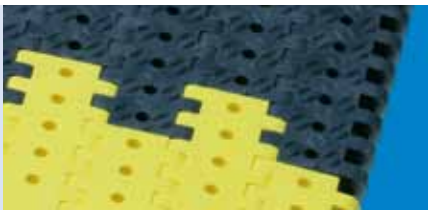
Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Plastic pins)	Allowable belt pull [N/mm (lb/ft)] (Stainless steel pins)	Weight [kg/m² (lb/ft²)] (Plastic pins)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
PE		0	18 (1233)	–	9.7 (2.0)	–
PP		0	30 (2055)	40 (2740)	9.3 (1.9)	14.2 (2.9)
POM	AT	0	50 (3425)	60 (4110)	18.6 (3.8)	23.2 (4.8)
POM-HC	AT	0	50 (3425)	60 (4110)	18.6 (3.8)	23.2 (4.8)
PXX-HC	AT	0	30 (2055)	40 (2740)	9.3 (1.9)	14.2 (2.9)



Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Plastic pins)	Allowable belt pull [N/mm (lb/ft)] (Stainless steel pins)	Weight [kg/m² (lb/ft²)] (Plastic pins)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
PE		6	18 (1233)	–	9.2 (1.9)	–
PP		6	30 (2055)	40 (2740)	8.8 (1.8)	13.7 (2.8)
POM	AT	6	50 (3425)	60 (4110)	17.6 (3.6)	22.2 (4.6)
POM-HC		6	50 (3425)	60 (4110)	17.6 (3.6)	22.2 (4.6)
PXX-HC		6	30 (2055)	40 (2740)	8.8 (1.8)	13.7 (2.8)

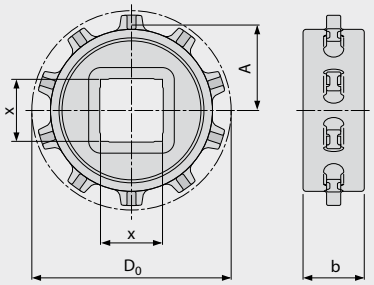
Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Plastic pins)	Allowable belt pull [N/mm (lb/ft)] (Stainless steel pins)	Weight [kg/m² (lb/ft²)] (Plastic pins)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
PP		0	30 (2055)	40 (2740)	9.7 (2.0)	14.6 (3.0)
POM	AT	0	50 (3425)	60 (4110)	19.5 (4.0)	24.1 (4.9)
POM-HC	AT	0	50 (3425)	60 (4110)	19.5 (4.0)	24.1 (4.9)
PXX-HC	AT	0	30 (2055)	40 (2740)	9.7 (2.0)	14.6 (3.0)



Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Plastic pins)	Allowable belt pull [N/mm (lb/ft)] (Stainless steel pins)	Weight [kg/m² (lb/ft²)] (Plastic pins)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
PP		6	30 (2055)	40 (2740)	9.2 (1.9)	14.1 (2.9)
POM	AT	6	50 (3425)	60 (4110)	18.5 (3.8)	23.1 (4.7)
POM-HC	AT	6	50 (3425)	60 (4110)	18.5 (3.8)	23.1 (4.7)
PXX-HC	AT	6	30 (2055)	40 (2740)	9.2 (1.9)	14.1 (2.9)

Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Plastic pins)	Allowable belt pull [N/mm (lb/ft)] (Stainless steel pins)	Weight [kg/m² (lb/ft²)] (Plastic pins)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
PE		0	18 (1233)	–	9.7 (2.0)	–
PP		0	30 (2055)	40 (2740)	9.3 (1.9)	14.2 (2.9)
POM		0	50 (3425)	60 (4110)	18.6 (3.8)	23.2 (4.8)

Sprockets



Sprocket size		Z10	Z16	Z20
b	[mm]	40	40	40
	[in]	(1.6)	(1.6)	(1.6)
D_0	[mm]	130	206	257
	[in]	(5.1)	(8.1)	(10.1)
A	[mm]	56	94	119
	[in]	(2.2)	(3.7)	(4.7)
x	**[mm] (sprocket bore metric)**			
	40	■		
	60		■	■
	80		■	■
	90			■
x	**[in] (sprocket bore imperial)**			
	1.5	■		
	2.5		■	■

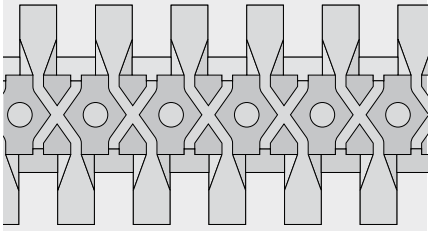
● Sprocket bore round
■ Sprocket bore square

D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

Module design

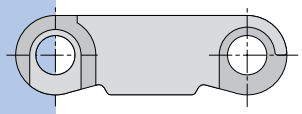
Ribbing (viewed from below)



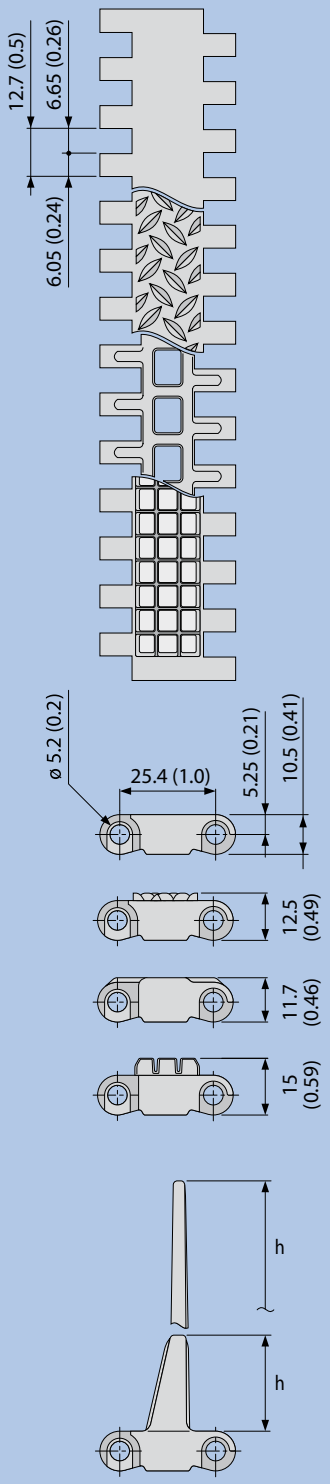
Siegling Prolink

Series 8

Linear modules, pitch 25.4 mm (1 in)



Scale 1:1



Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

25 mm (1 in) pitch straight running belt for medium and heavy-duty applications.

Design characteristics

- closed hinge design provides high belt pull capacity
- rigid module design makes belt suitable for long conveyors
- robust design guarantees superior durability
- closed solid edge design

Special features

- non-skid surface for increased safety when walking on belt
- open version with radius top belt surface ensures minimum product contact and good release characteristics
- friction top with cube-shaped High Grip pads with grooves in-between to improve flexibility and to channel dirt away from the friction surface
- profiles with reinforced base to handle high loads
- side guards for retention of bulk products (for S8-0 FLT only)

Pitch
25.4 mm (1 in)

Belt width min.
38.1 mm (1.5 in)

Width increments
In increments of 12.7 mm (0.5 in)

Hinge pins
Made of plastic (PBT, PP).
One-piece up to a belt width of 914.4 mm (36 in).

Certification
For certification see fold-out page.

Belt types

S8-0 FLT

Closed, smooth surface

S8-0 NSK

Closed surface, with anti-skid pattern

S8-25 RAT

Open surface,
with rounded contact surfaces

S8-0 FRT1

Closed surface with friction top

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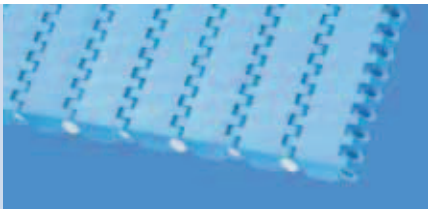
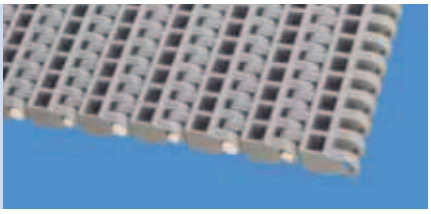
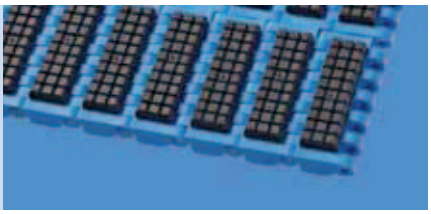
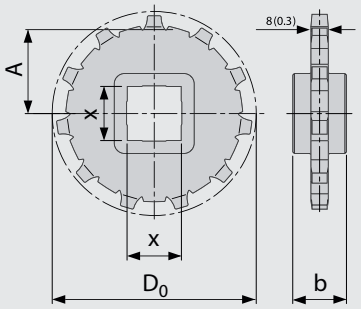
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PP	WT/LG	0	20 (1370)	7.1 (1.5)
	POM	BL	0	40 (2740)	11 (2.3)
	POM-CR	AT	0	40 (2740)	11 (2.3)
	PXX-HC		0	20 (1370)	7.9 (1.6)
	PP	LG	0	20 (1370)	7.1 (1.5)
	POM	BL	0	40 (2740)	11 (2.3)
	PXX-HC	BK	0	20 (1370)	7.9 (1.6)
	PP	LG	25	20 (1370)	6.4 (1.3)
	POM	BL	25	40 (2740)	9.7 (2.0)
	PP (R7)	LG (BK)	0	20 (1370)	12.6 (2.6)
	POM (R6)	BL (BK)	0	40 (2740)	17.7 (3.6)

Sprockets



Sprocket size	Z11	Z12	Z15	Z19
b [mm]	25	25	25	25
[in]	(1)	(1)	(1)	(1)
D_0 [mm]	91.6	99.7	124.1	156.8
[in]	(3.6)	(3.9)	(4.9)	(6.2)
A [mm]	40.6	44.6	56.8	73.2
[in]	(1.6)	(1.8)	(2.2)	(2.9)
x [mm] (sprocket bore metric)				
30	●		●	
40	■	■	■	■
60			■	■
80				■
x [in] (sprocket bore imperial)				
1		●		●
1.25		●		●
1.5	●/■	■	■	■
2.5				■

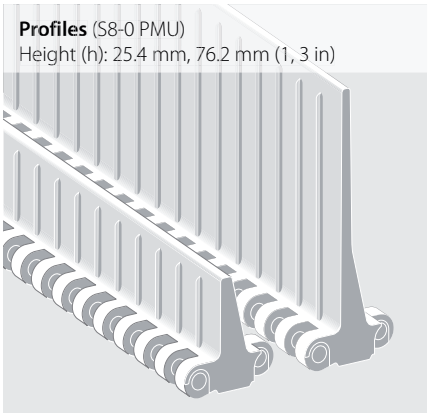
● Sprocket bore round
■ Sprocket bore square

b Sprocket width
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

Profile design

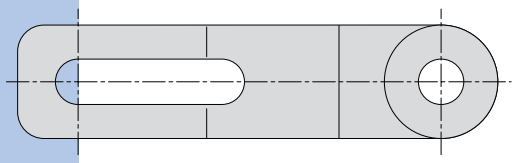
Profiles (S8-0 PMU)
Height (h): 25.4 mm, 76.2 mm (1, 3 in)



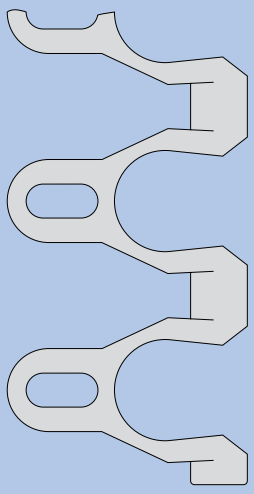
Siegling Prolink

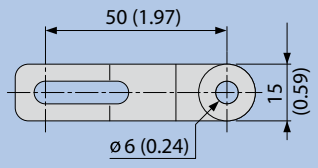
Series 9

Curved modules, pitch 50 mm (2 in)

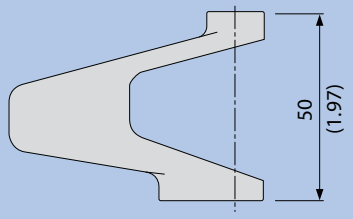


Scale 1:1

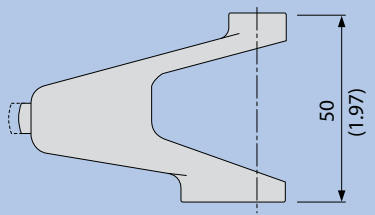




Left side module



Left F2 – F8 module



Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

Design characteristics

- Heavy-duty radius and spiral belt with stainless steel hinge pins. Very strong and versatile.
- Minimum turning radius of 1.8 x belt width.
- Large open area provides excellent product drying and cooling capability.
- Used for spiral cooling towers, spiral freezers and radius conveyors in food industries such as baking, meat and poultry processing and processed foods.

Pitch
50 mm (2 in)

Belt width min.
100 mm (3.9 in)
(side modules only available without NTP-pattern).

Width increments
In increments of 50 mm (2 in).

Hinge pins
Stainless steel (plastic pins can also be used for straight conveyors).

Certification
For certification see fold-out page.

Technical notes
Minimum curve radius = 1.8 x belt width.
Minimum length of the straight in-feed/ out-feed section before and after the curve = 2 x belt width.

Please contact us should you require small curve radii.

Belt types

S9-57 GRT

Smooth surface with large open area

S9-57 GRT G

Smooth surface with large open area and hold-down tabs

S9-57 NTP

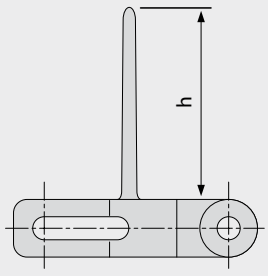
Very permeable, lattice-shaped surface with 1.7 mm/0.07 in high round studs

S9-57 GRT F2, F3, F4, F5, F6, F7, F8

Longer side modules for smoother tracking when turning radius is large

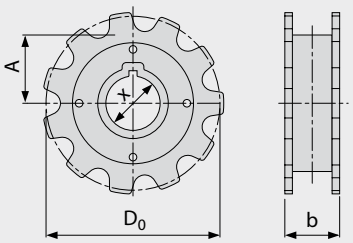
Profile and side guard designs/ special modules

Profiles
25, 50 mm (1, 2 in) height



	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Straight)	Allowable belt pull [N (lb)] (Curves)	Weight [kg/m² (lb/ft²)] (Stainless steel pins)
	PE		57	12 (822)	–	9.5 (1.9)
	PP	WT/LG	57	22 (1507)	1600 (360)	9.3 (1.9)
	POM	WT/LG	57	30 (2055)	2800 (630)	11.5 (2.4)
	PE		57	12 (822)	–	9.5 (1.9)
	PP	WT	57	22 (1507)	1600 (360)	9.3 (1.9)
	POM	WT	57	30 (2055)	2800 (630)	11.5 (2.4)
	PE		57	12 (822)	–	9.7 (2.0)
	PP		57	22 (1507)	1600 (360)	9.4 (1.9)
	POM		57	30 (2055)	2800 (630)	11.7 (2.4)
	PE		57	12 (822)	–	9.5 (1.9)
	PP		57	22 (1507)	1600 (360)	9.3 (1.9)
	POM		57	30 (2055)	2800 (630)	11.5 (2.4)

Sprockets



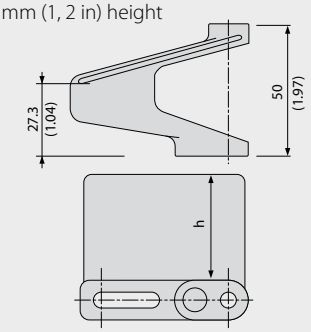
Sprocket size		Z11 DR
b	[mm]	49
	[in]	(1.9)
D_0	[mm]	177
	[in]	(7.0)
A	[mm]	81
	[in]	(3.2)
x	**[mm] (sprocket bore metric)**	
	40	●/■

● Sprocket bore round
■ Sprocket bore square

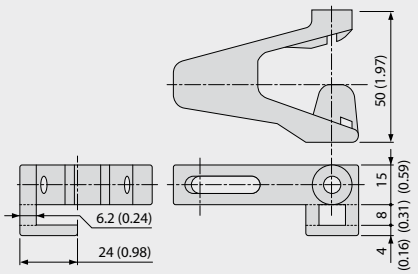
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support
DR Double row sprocket

The abbreviations and type key are explained on the fold-out page at the back.

Side guards
25, 50 mm (1, 2 in) height



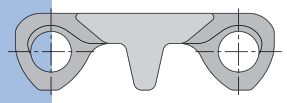
Guided version (G)



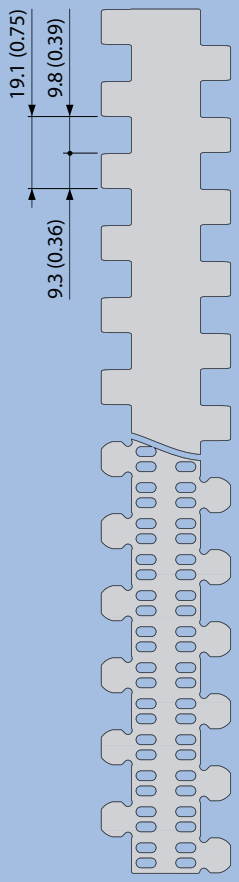
Siegling Prolink

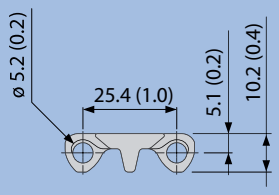
Series 10

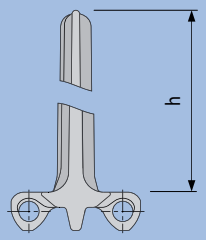
Linear modules, pitch 25.4 mm (1 in)



Scale 1:1







Key dimensions in mm and inches (in), scale 1:2.
All imperial dimensions (inches) are rounded off.

25 mm (1 in) pitch straight running belt for light and medium-duty hygiene-critical applications.

Design characteristics

- small number of eyelets ensures less cleaning
- hinges that open wide, combined with smooth, flat channels on the underside and a continuous drive bar produce an easy-to-clean belt
- robust design guarantees superior durability
- optimal design of sprocket teeth and tracking fins provides superior sprocket engagement, belt tracking and an easy-to-clean sprocket

Special features

- open area for excellent air circulation and drainage
- profiles with no-cling surface to improve release of wet and sticky products
- side guards for retention of bulk products

Pitch
25.4 mm (1 in)

Belt width min.
38.1 mm (1.5 in)

Width increments
In increments of 19.05 mm (0.75 in).

Hinge pins
5 mm (0.2 in) pins made of plastic (PE, PP, PBT).

Certification
For certification see fold-out page.

Drum motor
Power transmission using drum motors with rubber coating and profiles applied is possible. Please enquire.

Belt types

S10-0 FLT

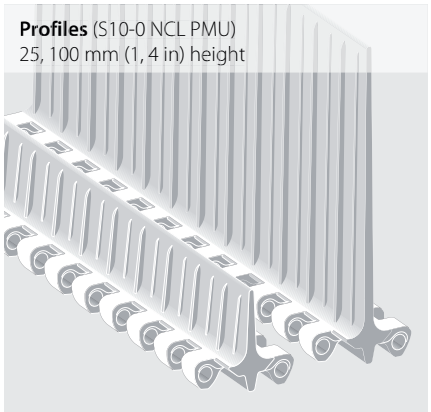
Closed, smooth surface

S10-22 FLT

Open, smooth surface

Profile and side guard designs

Profiles (S10-0 NCL PMU)
25, 100 mm (1, 4 in) height



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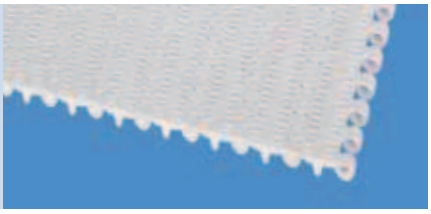
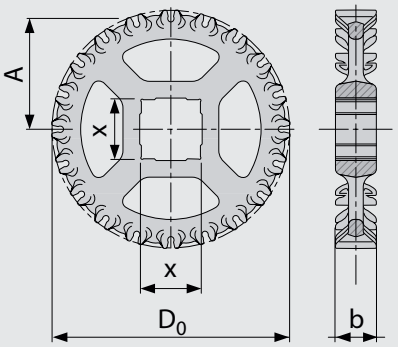
	Materials	Colours	Open area [%]	Allowable belt pull [N/mm (lb/ft)]	Weight [kg/m² (lb/ft²)]
	PE	WT/LB	0	6 (411)	5.4 (1.1)
	PP	WT/LB	0	8 (548)	5.1 (1.0)
	POM	WT/LB	0	20 (1370)	8 (1.6)
	PE	WT/LB	22	3 (206)	4.7 (1.0)
	PP	WT/LB	22	5 (343)	4.3 (0.9)
	POM	WT/LB	22	11 (754)	6.7 (1.4)

Sprockets



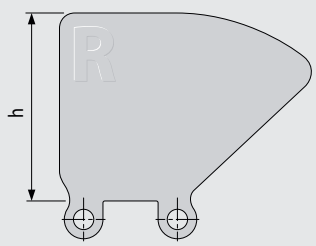
Sprocket size		Z6	Z10	Z12	Z16	Z20
b	[mm]	28	28	28	28	28
	[in]	(1.1)	(1.1)	(1.1)	(1.1)	(1.1)
D_0	[mm]	51	82	98	130	162
	[in]	(2.0)	(3.2)	(3.9)	(5.1)	(6.4)
A	[mm]	20	36	44	60	76
	[in]	(0.8)	(1.4)	(1.7)	(2.4)	(3.0)
x	**[mm] (sprocket bore metric)**					
	25	●				
	40		■	■	■	■
x	**[in] (sprocket bore imperial)**					
	1	●				
	1.5		■	■	■	■

● Sprocket bore round
■ Sprocket bore square

b Sprocket width
D_0 Pitch circle diameter
A Distance centre of sprocket bore/ top edge support

The abbreviations and type key are explained on the fold-out page at the back.

Side guards
25, 50, 75, 100 mm (1, 2, 3, 4 in) height



Siegling Prolink Series 10 is certified by NSF to NSF/ANSI Standard 14159-3

Certified

Type key, legend

Type key*

									Series ①
									Open area/Sprocket size ②
									Surface pattern ③
									Type ④
									Style ⑤
									Material ⑥
									Colour ⑦
									Height/Diameter/Bore size and style ⑧
									Length/Width ⑨
S2	**-**	**Z20**		**SPR**		**POM**	**WT**	**RD1.5IN**	
S4.1	**-**	**0**	**FLT**	**UM**		**POM**	**BL**		**W200**
S5	**-**	**45**	**GRT**	**SML**	**SG**	**POM**	**WT**	**H100**	**W100**

Legend

① Series
S1
S2
S3
S4.1
S5
S6.1
S7
S8
S9
S10

② Open area/Sprocket size
Percentage open area Format: xx E.g. 20 = 20 %
For sprockets: number of teeth Format: "Z"xx E.g. Z12 = 12 teeth

③ Surface pattern		
CTP	=	Cone top
FLT	=	Flat top
FRT1	=	Friction top, Design 1
FRT-OG	=	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
RAT	=	Radius top
RRB	=	Raised rib

④ Type		
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	=	Profile module universal
PMU Ixx	=	Profile module universal with indent xx = indent in mm
CLP	=	Clip
RI	=	High Grip insert
SG	=	Module with sideguard
PIN	=	Coupling rod
FPL	=	Finger plate
SPR	=	Sprocket
RTR	=	Retaining ring
TPL	=	Turning panel, left
TPR	=	Turning panel, right

⑤ Style		
BT	=	Bearing tap
G	=	Guided
SG	=	Side guard
ST	=	Strong (S5)
DR	=	Double row sprocket
SP	=	Split sprocket
F1, F2, F3 …	=	Collapse factor modules

⑥ Material		
PA	=	Polyamide
PA-HT	=	Polyamide high temperature
PBT	=	Polybutylenterephthalate
PE	=	Polyethylene
PE-MD	=	PE metal detectable
POM	=	Polyoxymethylene (Polyacetal)
POM-CR	=	POM cut resistant
POM-HC	=	POM highly conductive
POM-MD	=	POM metal detectable
PP	=	Polypropylene
PP-HC	=	PP highly conductive
PXX	=	Self-extinguishing material
PXX-HC	=	Self-extinguishing highly conductive material
POM-PE	=	POM side modules + PE centre modules
POM-PP	=	POM side modules + PP centre modules
R1	=	TPE 80 Shore A, PP
R2	=	EPDM 80 Shore A, vulcanised
R3	=	TPE 70 Shore A, PP
R4	=	TPE 86 Shore A, PP
R5	=	TPE 52 Shore A, PP
R6	=	TPE 63 Shore A, POM
R7	=	TPE 50 Shore A, PP
R8	=	TPE 55 Shore A, PE
SER	=	Self-extinguishing TPE
SS	=	Stainless steel
HA	=	Supports the HACCP concept

⑦ Colour**		
AT	=	Anthracite
BL	=	Blue
BG	=	Beige
BK	=	Black
DB	=	Dark blue
GN	=	Green
LB	=	Light blue
LG	=	Light grey
OR	=	Orange
RE	=	Red
TR	=	Transparent
WT	=	White
YL	=	Yellow

⑧ Height/Diameter/ Bore size and style
Height in mm Format: Hxxx
Pin diameter in mm Format: Dxxx
Bore size: SQ (= square) or RD (= round) either in mm or inches Format: SQxxMM or RDxxIN

⑨ Length/Width
Pins Length in mm Format: Lxxx
Module width in mm Format: Wxxx

* Not every product requires all characteristics (within the designation).
If there is an irrelevant characteristic, this category will be ignored and replaced by the following one.

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

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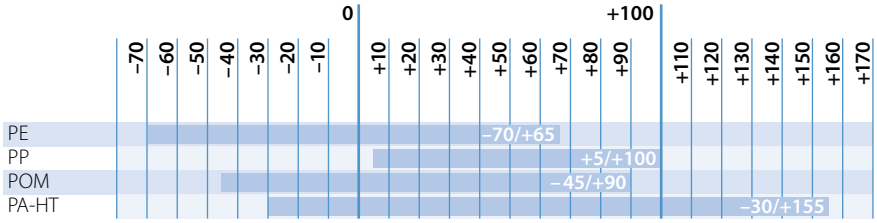
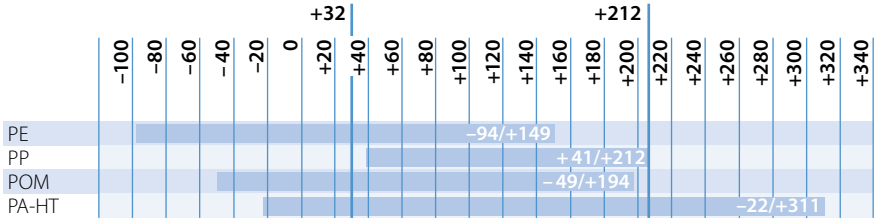
Temperature ranges/HACCP types/ Certificates/materials

Temperature ranges in °C



Temperature ranges in °F



HACCP types

Series 4.1, 6.1 and 10 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

Certificates

FDA/EU

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

NSF

Prolink series 6.1 and 10 are NSF-certified in line with the NSF/ANSI 14159-3 standard.

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).

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 Ω (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-HT (Polyamide high temperature)
– material reinforced with fibre glass
– very high short-term temperature resistance up to 180 °C (356 °F)
– absorbs little water in humid environments
– very stiff
– durable

PXX-HC (self-extinguishing highly conductive material)
– flame retardant in line with DIN EN 13501 (B_{fl}–s1) and DIN 4102 (B1)
– surface resistivity < 10^6 Ω
– specially for use in the automotive industry

PBT (Polybutylenterephthalate)
– good wear resistance
– very good abrasive resistance
– good strength and stiffness

PXX (self-extinguishing material)
– quite strong and stiff
– good dynamic capacity
– highly resistant to acids, alkalis, salts, alcohols

Siegling – total belting solutions

Committed staff, quality-orientated organisation and production processes ensure the constantly high standards of our products and services.
The Forbo Siegling Quality Management System is certified in accordance with DIN EN ISO 9001.

In addition to product quality, environmental protection is an important corporate goal. Early on we also introduced an environmental management system, certified in accordance with ISO 14001.

Forbo Siegling Service – anytime, anywhere

In the company group, Forbo Siegling employs more than 1800 people worldwide. Our production facilities are located in nine countries; you can find companies and agencies with stock and workshops in more than 50 countries. Forbo Siegling service centres provide qualified assistance at more than 300 locations throughout the world.

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MOVEMENT SYSTEMS

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