

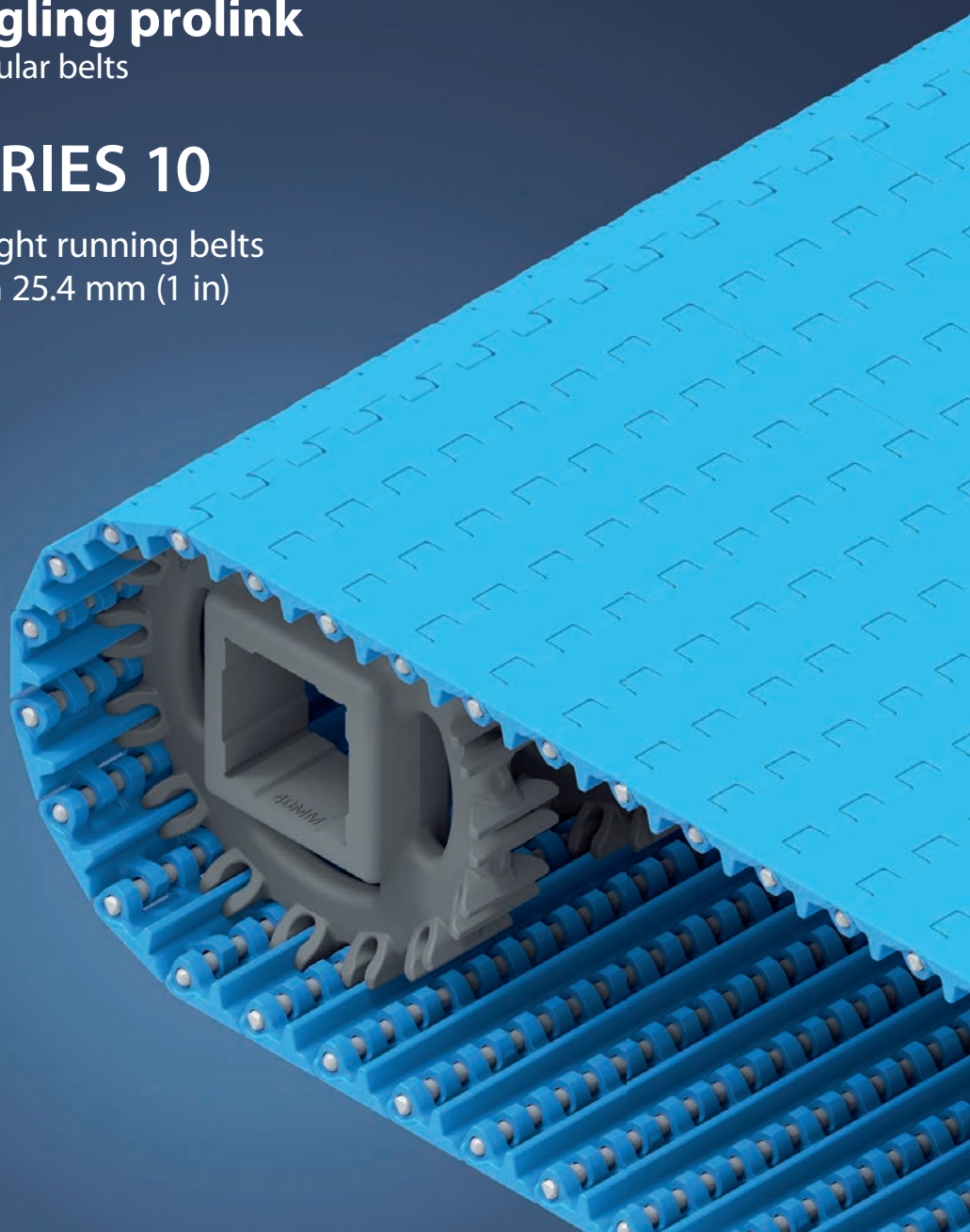
EXCERPT FROM PROLINK ENGINEERING MANUAL

01/24 (Ref-No. 888)

siegling prolink
modular belts

SERIES 10

Straight running belts
Pitch 25.4 mm (1 in)



Forbo Siegling GmbH
Lilienthalstraße 6/8, D-30179 Hannover
Phone +49 511 6704 0
www.forbo-siegling.com, siegling@forbo.com

Ref. no. 888-2_1.2_S10

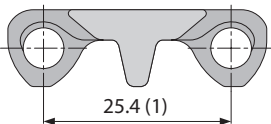
SERIES 10 | OVERVIEW

siebling prolink
modular belts

Straight running belts | Pitch 25.4 mm (1 in)

Belts for light to medium-duty hygiene-critical applications

Side view scale 1:1



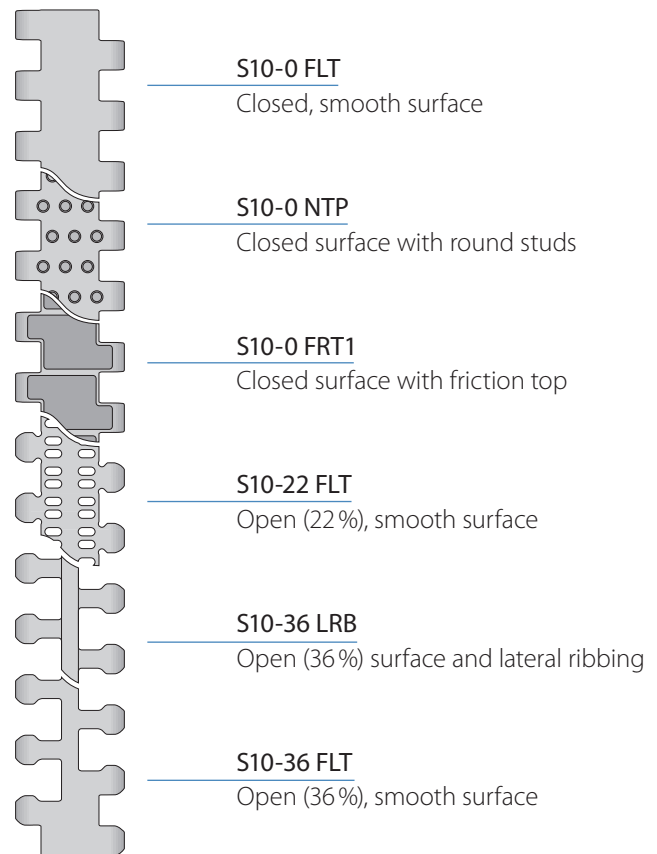
Design characteristics

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

Basic data

Pitch	25.4 mm (1 in)
Belt width min.	38.1 mm (1.5 in)
Width increments	19.05 mm (0.75 in)
Hinge pins	5 mm (0.2 in) made of plastic (PBT, PP, PE, PP-MD, POM-MD). One-piece up to a belt width of 1200 mm (47 in).

Available surface pattern and opening area



Certified

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

Sprockets

in different sizes with round or square bore



Profiles

in different heights and designs for inclines



Side guards

in different heights for retention of bulk products



Hold Down Tabs

Hold Down Tabs for additional guiding



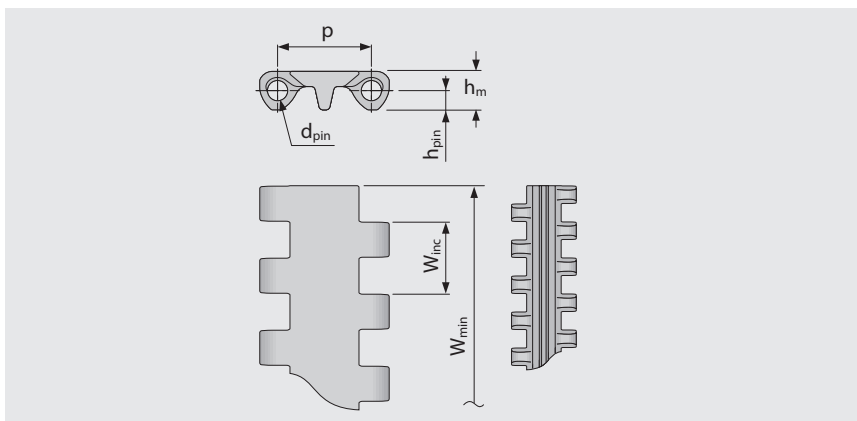
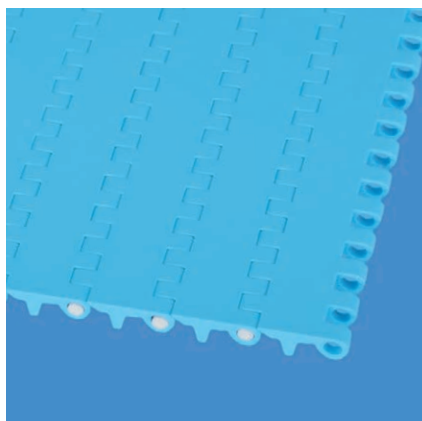
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-0 FLT | 0% Opening | Flat top

Closed, smooth surface | Flat top surface



Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	0.0	38.1	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.0	1.5	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials ³⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates ²⁾		
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU	MHLW
PE	WT/LB	PE	WT	6	411	5.4	1.11	0.0	-70/65	-94/149	●	●	●
PE-MD	BL	POM-MD	BL	6	411	5.9	1.21	0.0	-70/65	-94/149	●	●	●
PP	WT/LB	PP	WT	8	548	5.1	1.04	0.26	5/100	41/212	●	●	●
PP-MD	BL	PP-MD	BL	8	548	5.3	1.09	0.26	5/100	41/212	●	●	●
POM	WT/LB	PBT	UC	20	1370	8.0	1.64	0.0	-45/90	-49/194	●	●	●
POM-MD	BL	POM-MD	BL	20	1370	8.3	1.7	0.0	-45/90	-49/194	●	●	●
Mold to order belts													
TPC1	LB	PBT	UC	6	411	7.1	1.45	-0.13	-25/80	-13/176	●	●	●
PA*	BL	PBT	UC	17	1165	6.7	1.37	0.74	-40/120	-40/248	●	●	●
PP-SW	BL	PP-SW	BL	6	411	5.1	1.04	0.26	5/100	41/212	●	●	●

Mold to width available in: 76 mm (3.0 in), 152 mm (6.0 in), 229 mm (9.0 in)

* Values valid for dry applications (RH <50%). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

■ BL (Blue), ■ LB (Light blue), □ UC (Uncolored), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see ProLink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

²⁾ Complies with FDA 21 CFR | Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds | Complies with Japanese MHLW Notification 370

● = available | – = not available | empty cells = not tested

³⁾ More materials and colors on request



MOVEMENT SYSTEMS

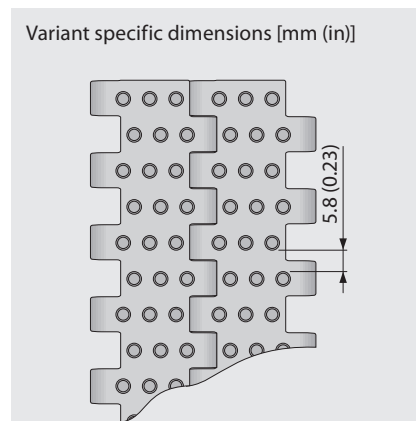
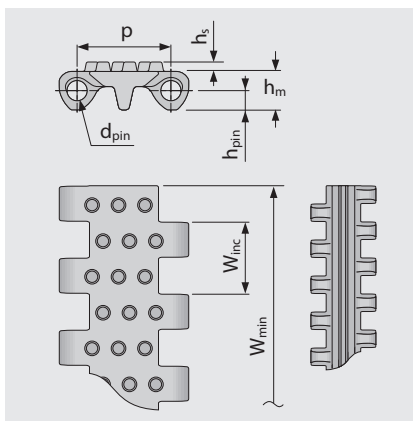
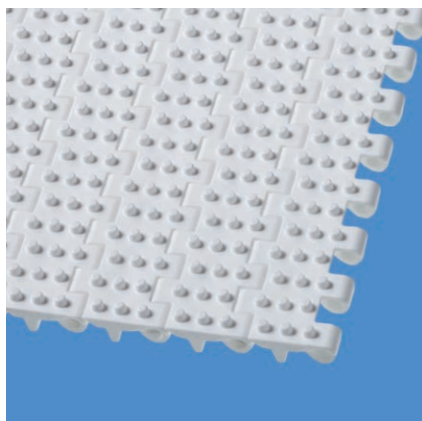
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-0 NTP | 0% Opening | Nub top (round studs)

Closed surface with round studs 9% contact area | Version available without round studs at the side (38 mm indent)

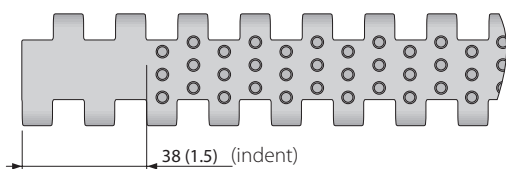


Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	2.5	38.1	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.1	1.5	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials ³⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates ²⁾		
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU	MHLW
PE	WT	PE	WT	6	411	5.5	1.13	0.0	-70/65	-94/149	●	●	●
PE	LB	PE	WT	6	411	5.5	1.13	0.0	-70/65	-94/149	●	●	●
POM	WT	PBT	UC	20	1370	8.2	1.68	0.0	-45/90	-49/194	●	●	
POM	LB	PBT	UC	20	1370	8.2	1.68	0.0	-45/90	-49/194	●	●	
PP-MD	BL	PP-MD	BL	8	548	5.4	1.11	0.26	5/100	41/212	●	●	
PE-MD	BL	POM-MD	BL	6	411	6.5	1.33	0.0	-70/65	-94/149	●	●	



Also available with
molded indent
38 mm (1.5 in)

Mold to width available in: 229 mm (9.0 in)

■ BL (Blue), ■ LB (Light blue), □ UC (Uncolored), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

²⁾ Complies with FDA 21 CFR | Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds | Complies with Japanese MHLW Notification 370

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³⁾ More materials and colors on request



MOVEMENT SYSTEMS

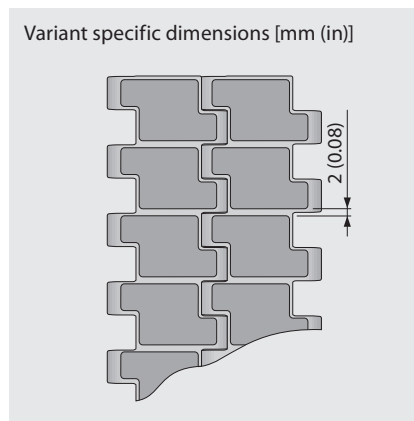
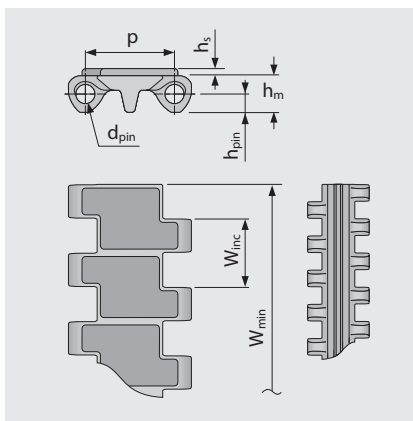
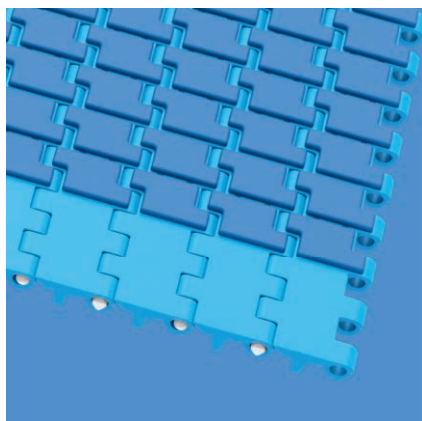
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-0 FRT1 | 0 % Opening | Friction top (Design 1)

Closed surface with flat integrated friction pads (FRT1) for high grip | 67 % contact area | Version available without FRT1 structure at the side (38 mm indent)



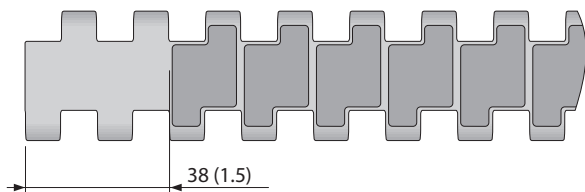
Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	2.0	38.1	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.08	1.5	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials ³⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Weight		Width deviation [%]	Temperature		Certificates ²⁾		
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]		[°C]	[°F]	FDA	EU	MHLW
PP	WT	PP	WT	R7	BG	8	548	6.3	1.29	0.26	5/100	41/212	●	●	
PP	LB	PP	WT	R7	BK	8	548	6.3	1.29	0.26	5/100	41/212	●	●	
PP	LB	PP	WT	R7	BL	8	548	6.3	1.29	0.26	5/100	41/212	●	●	

Mold to width available in: 229 mm (9.0 in)



Also available with
molded indent
38 mm (1.5 in)

■ BG (Beige), ■ BL (Blue), ■ BK (Black), ■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

²⁾ Complies with FDA 21 CFR | Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds | Complies with Japanese MHLW Notification 370

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³⁾ More materials and colors on request



MOVEMENT SYSTEMS

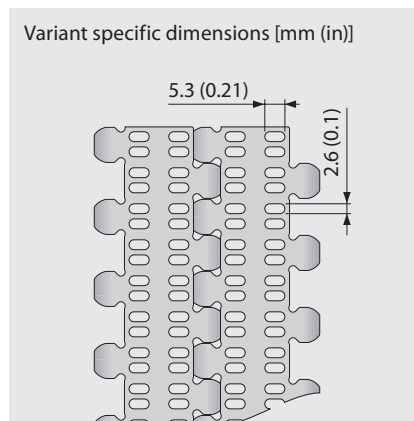
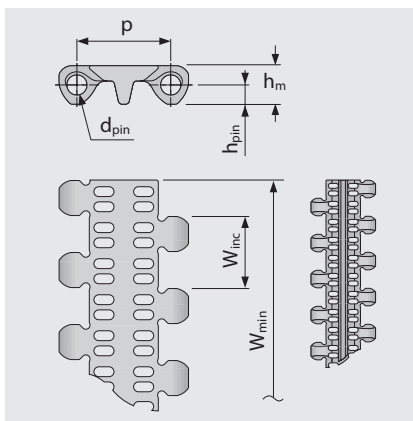
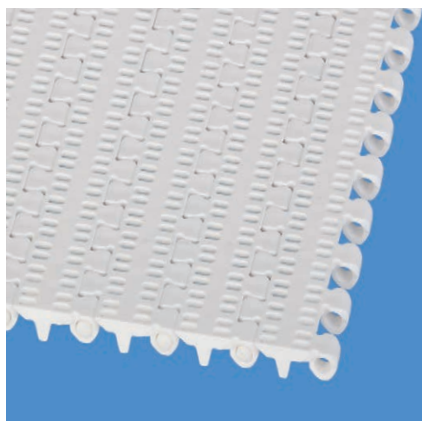
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-22 FLT | 22 % Opening | Flat top

Open area (22 %) for excellent air circulation and drainage | Smooth surface | 70 % contact area (Largest opening: 2.6 x 5.3 mm/0.10 x 0.21 in)



Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	0.0	38.1	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.0	1.5	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates ²⁾		
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU	MHLW
PE	WT	PE	WT	3	206	4.7	0.96	0.0	-70/65	-94/149	●	●	●
PE	LB	PE	WT	3	206	4.7	0.96	0.0	-70/65	-94/149	●	●	●
PP	WT	PP	WT	5	343	4.3	0.88	0.26	5/100	41/212	●	●	●
PP	LB	PP	WT	5	343	4.3	0.88	0.26	5/100	41/212	●	●	●
POM	WT	PBT	UC	11	754	6.7	1.37	0.0	-45/90	-49/194	●	●	
POM	LB	PBT	UC	11	754	6.7	1.37	0.0	-45/90	-49/194	●	●	
PP-MD	BL	PP-MD	BL	5	343	4.9	1.0	0.0	5/100	41/212	●	●	

Mold to order belts

PE-MD	BL	POM-MD	BL	3	206	5.1	1.04	0.0	-70/65	-94/149	●	●	
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Mold to width available in: 76 mm (3.0 in), 229 mm (9.0 in)

■ BL (Blue), ■ LB (Light blue), □ UC (Uncolored), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

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³⁾ More materials and colors on request



MOVEMENT SYSTEMS

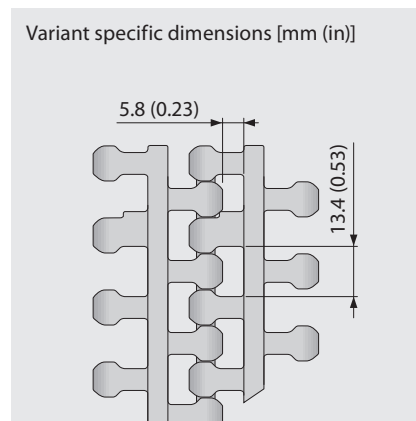
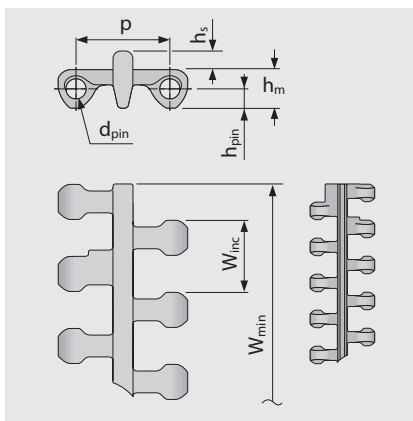
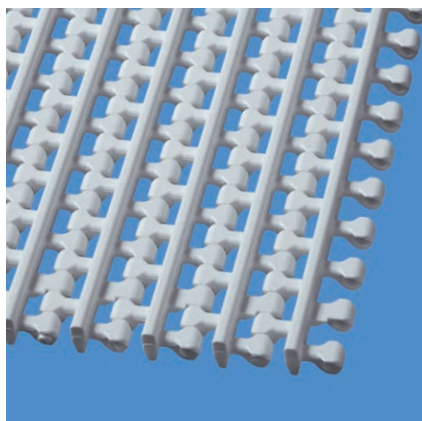
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-36 LRB | 36 % Opening | Lateral rib

Open area (36 %) for excellent air circulation and drainage | Lateral ribbing 12% contact area (Largest opening: 5.8 x 13.4 mm/ 0.23 x 0.53 in) | open area lateral rib version for small inclines and gentle conveying of delicate products



Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	4.9	38.1	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.19	1.5	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates ²⁾		
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU	MHLW
PE	WT	PE	WT	4	274	5.8	1.19	0.0	-70/65	-94/149	●	●	●
PE	LB	PE	WT	4	274	5.8	1.19	0.0	-70/65	-94/149	●	●	●
PP	WT	PP	WT	6	411	4.9	1.0	0.26	5/100	41/212	●	●	●
PP	LB	PP	WT	6	411	4.9	1.0	0.26	5/100	41/212	●	●	●
POM	WT	PBT	UC	13	891	7.6	1.56	0.0	-45/90	-49/194	●	●	
POM	LB	PBT	UC	13	891	7.6	1.56	0.0	-45/90	-49/194	●	●	

Mold to width available in: 229 mm (9.0 in)

■ LB (Light blue), ■ UC (Uncolored), ■ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

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MOVEMENT SYSTEMS

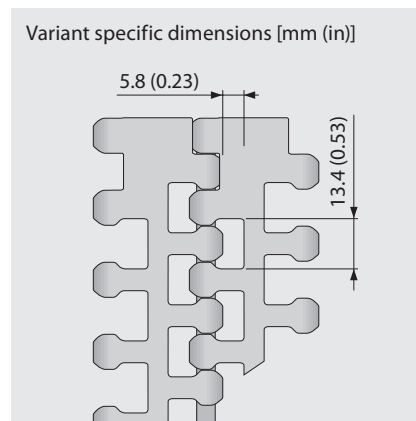
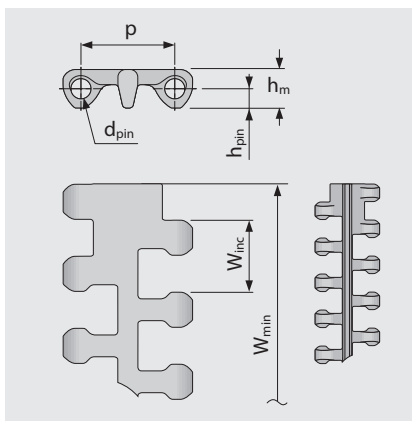
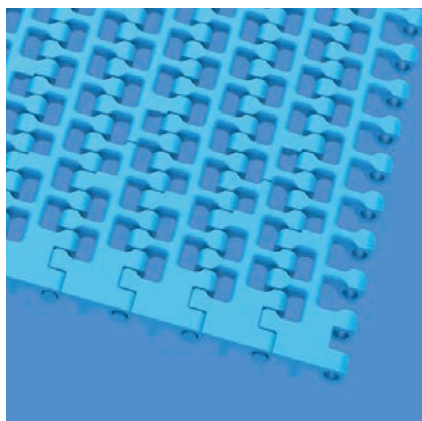
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-36 FLT | 36 % Opening | Flat top

Open area (36 %) for excellent air circulation and drainage | Smooth surface | 44 % contact area (Largest opening: 5.8 x 13.4 mm/0.23 x 0.53 in)



Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness	Pin position	Height	Width min.	Width Increment	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	5.0	10.2	5.1	0.0	95.3	19.1	±0.2	–	25.4	50.8	76.2	25.4
inch	1.0	0.2	0.4	0.2	0.0	3.75	0.75	±0.2	–	1.0	2.0	3.0	1.0

Available standard materials ³⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates ²⁾		
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU	MHLW
PE	WT/LB	PE	WT	4	274	4.3	0.88	0.0	-70/65	-94/149	●	●	●
PP	WT/LB	PP	WT	6	411	4.0	0.82	0.26	5/100	41/212	●	●	●
PP-MD	BL	PP-MD	BL	6	411	4.4	0.9	0.26	5/100	41/212	●	●	
POM	WT/LB	PBT	UC	13	891	6.2	1.27	0.0	-45/90	-49/194	●	●	
PA*	BL	PBT	UC	13	891	6.0	1.23	0.74	-40/120	-40/248	●	●	

Mold to order belts													
POM-MD	BL	POM-MD	BL	13	891	6.6	1.35	0.0	-45/90	-49/194	●	●	

* Values valid for dry applications (RH <50 %). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

Attention! Due to the very large surface openings, personnel must be instructed not to place their fingers in or on this belt.

■ BL (Blue), ■ LB (Light blue), □ UC (Uncolored), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".
All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

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MOVEMENT SYSTEMS

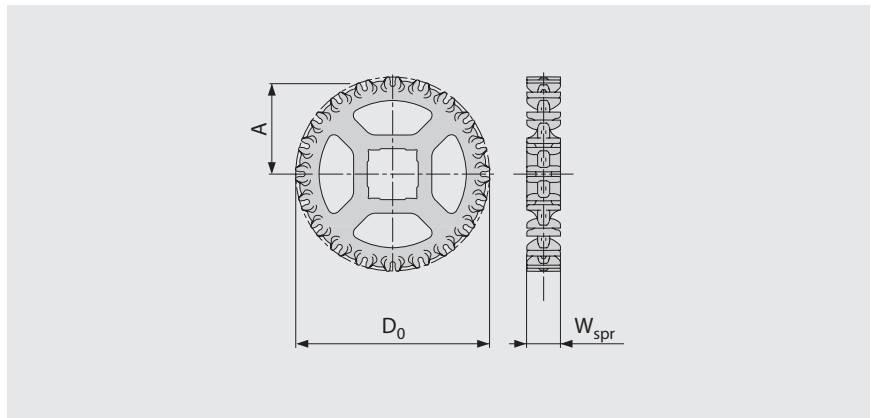
SERIES 10 | SPROCKETS

siegling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10 SPR | Sprockets

Optimal design of sprocket teeth and tracking fins provides superior sprocket engagement, safe belt tracking and an easy-to-clean sprocket



Main dimensions

Sprocket size (Number of teeth)		Z6	Z8	Z10	Z12	Z15	Z16	Z18	Z20
W _{spr}	mm	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
	inch	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
D ₀	mm	51.4	66.8	82.4	98.2	122.4	130.4	146.4	162.5
	inch	2.02	2.63	3.24	3.87	4.82	5.13	5.76	6.40
A _{max}	mm	19.8	27.9	35.9	43.9	56.0	60.0	68.1	76.1
	inch	0.78	1.10	1.41	1.73	2.20	2.36	2.68	3.00
A _{min}	mm	17.2	25.8	34.1	42.4	54.8	58.9	67.0	75.2
	inch	0.68	1.02	1.34	1.67	2.16	2.32	2.64	2.96

Shaft bores (● = Round, ■ = Square)

25	mm	●	●/■	■					
30	mm			●	●	●	●	●	●
40	mm			●/■	●/■	●/■	■	■	●/■
60	mm								■
1	inch	●	●/■	●/■	●	●	●	●	●
1.25	inch			●	●	●	●	●	●
1.44	inch				●	●			●
1.5	inch			■	■	■	■	■	■
2.5	inch								■

Material: PA, Color: LG

■ LG (Light gray)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

For detailed sprocket and shaft dimensions see appendix 6.3

Number of sprockets (sprocket spacing distance) see chapter 3.2



MOVEMENT SYSTEMS

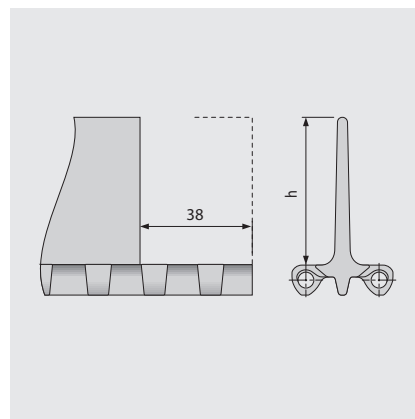
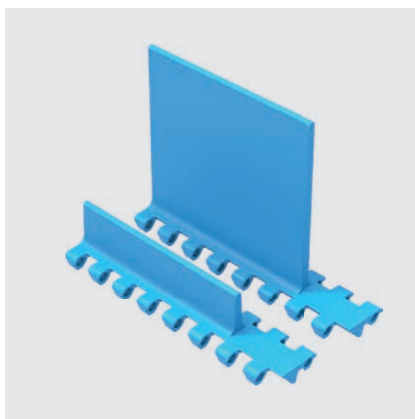
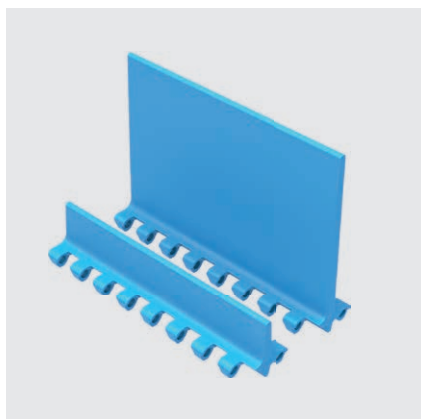
SERIES 10 | PROFILES

Straight running belt | Pitch 25.4 mm (1 in)

siegling prolink
modular belts

S10-0 FLT PMU/S10-0 FLT PMU I38

Flat top surface for dry products

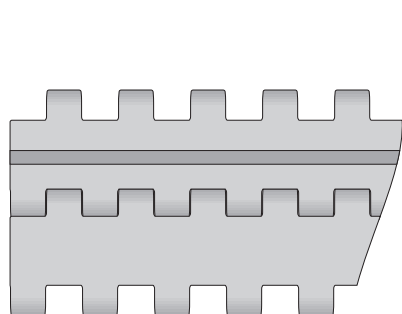


Basic data

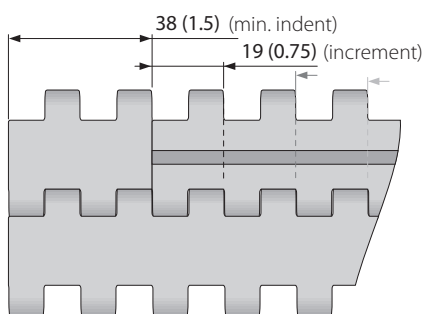
Material	Color	Height (h)	
		25 mm 1 inch	100 mm 4 inch
PE	LB	●/▲	●/▲
PE	WT	●/▲	●/▲
POM	LB	●/▲	●/▲
POM	WT	●/▲	●/▲
PP	LB	●/▲	●/▲
PP	WT	●/▲	●/▲

● = no indent, ▲ = with indent 38 mm

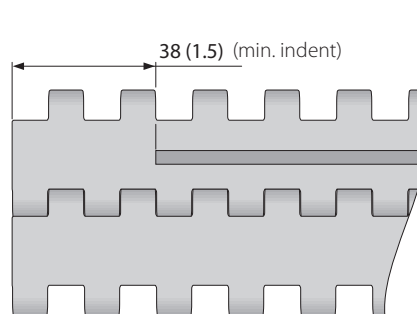
Molded width: 152 mm (6.0 in)



Standard configuration S10-0 FLT PMU



Indent configuration S10-0 FLT PMU



Standard configuration S10-0 FLT PMU I38

■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

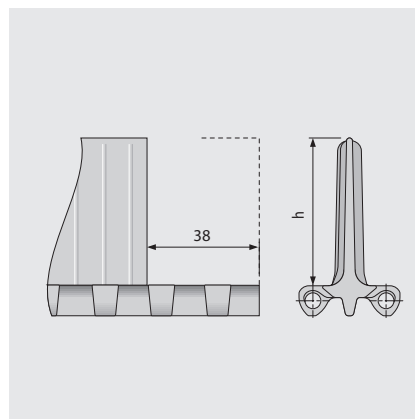
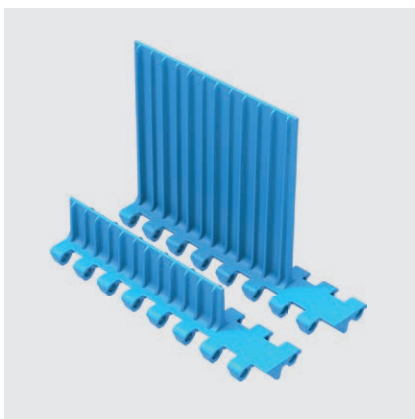
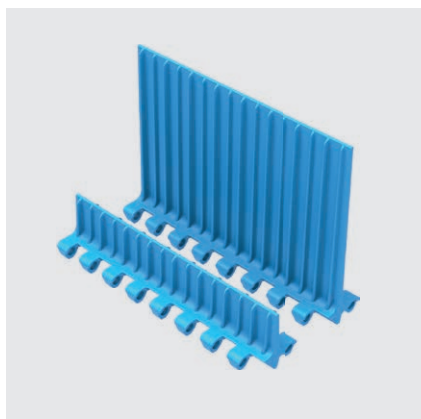
SERIES 10 | PROFILES

Straight running belt | Pitch 25.4 mm (1 in)

siegling prolink
modular belts

S10-0 NCL PMU/S10-0 NCL PMU I38

No cling surface to improve release of wet and sticky products

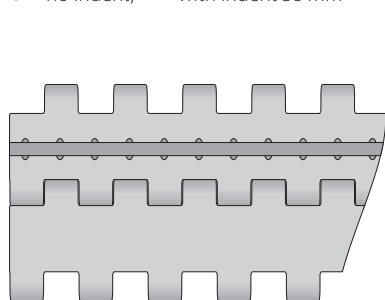


Basic data

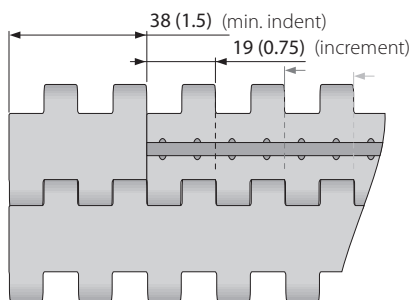
Material	Color	Height (h)	
		25 mm 1 inch	100 mm 4 inch
PE	LB	●/▲	●/▲
PE	WT	●/▲	●/▲
PE-MD	BL	●/▲	●
POM	LB	●/▲	●/▲
POM	WT	●/▲	●/▲
POM-MD	BL	●/▲	●/▲
PP	LB	●/▲	●/▲
PP	WT	●/▲	●/▲

● = no indent, ▲ = with indent 38 mm

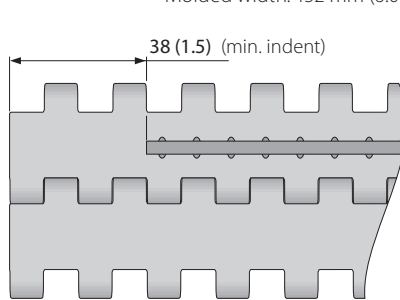
Molded width: 152 mm (6.0 in)



Standard configuration S10-0 NCL PMU



Indent configuration S10-0 NCL PMU



Standard configuration S10-0 NCL PMU I38

■ BL (Blue), ■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

SERIES 10 | SIDE GUARDS

Straight running belt | Pitch 25.4 mm (1 in)

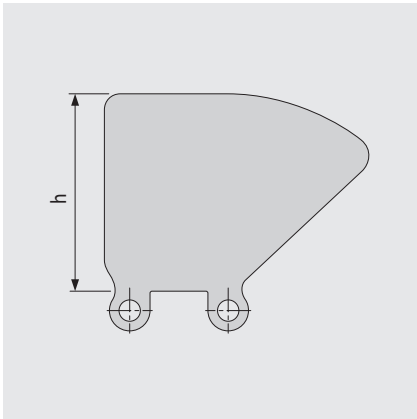
siegling prolink
modular belts

S10 SG | Side guards

For retention of bulk products

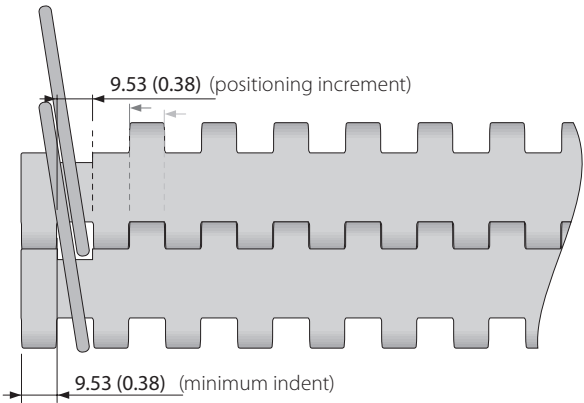


Recommended running direction



Basic data

Material	Color	Height (h)			
		25 mm 1 inch	50 mm 2 inch	75 mm 3 inch	100 mm 4 inch
PE	LB	●	●	●	●
PE	WT	●	●	●	●
PE-MD	BL	●	●		
PP	LB	●	●	●	●
PP	WT	●	●	●	●



■ BL (Blue), ■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".
All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.

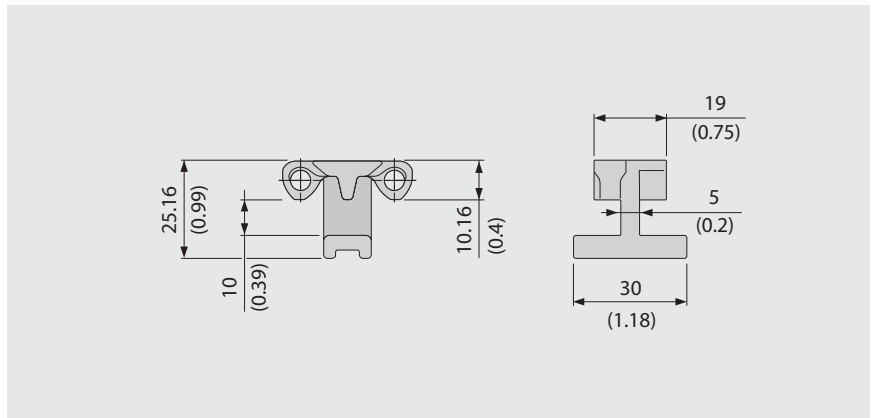
SERIES 10 | HOLD DOWN TABS

siegling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10 HDT | Hold Down Tabs

Used on wider belts to prevent lift an swan neck conveyors | To improve strength, stability and cleanability they are moulded on a narrow module

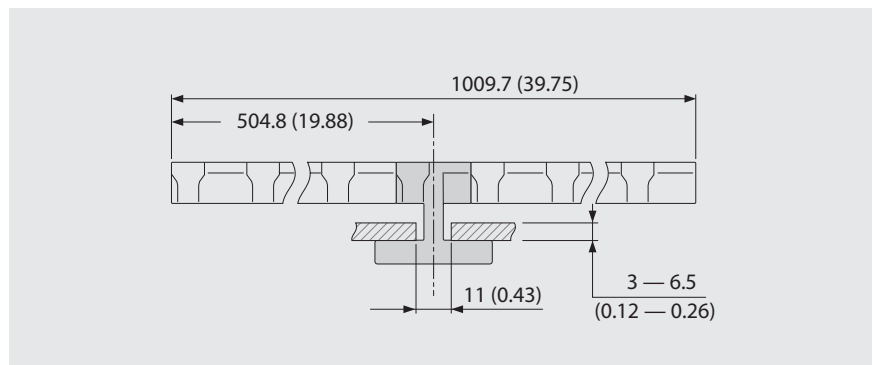


Basic data

Material	Color
POM	LB
	WT

Using Hold Down Tabs results in constraints with regards to sprocket and shaft size to ensure sufficient clearance to the shaft (see also chapter 3.3 hold down tabs).

Example



Sprocket options using HDT

Sprocket size (Number of teeth)	Maximum bore round		Maximum bore square	
	[mm]	[inch]	[mm]	[inch]
Z6	NR	NR	NR	NR
Z8	15	0.75	15	0.5
Z10	35	1.25	25	1.0
Z12	50	1.75	35	1.5
Z15	70	2.75	55	2.0
Z16	80	3.0	60	2.25
Z18	95	3.5	70	2.75
Z20	110	4.25	85	3.25

■ LB (Light blue), □ WT (White)

All measurements and tolerances apply at 21 °C; for temperature deviations please see Prolink manual chapter 4.4 "Temperature influence".

All imperial dimensions (inches) are rounded off.

Note: Use of accessory in a belt may impact on the minimum design radii. Please see chapter 6.3 for further information.



MOVEMENT SYSTEMS

LEGEND

① Series
S1 ... S18

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
BSL Base module for slider
CTP Cone top
CUT Curved top
FLT Flat top (smooth)
FRT-OG Friction top without High Grip insert
FRT(X) Friction top (Design X)
GRT Grid top
HDK High Deck
LRB Lateral rib
MOD Modified module shape
NCL No cling
NPY Negative pyramid
NSK Non skid
NSK2 Non skid, nonwoven variant
NTP Nub top (round studs)
PRR Pin Retained Rollers
RAT Radius top
RRB Raised rib
RSA Reduced surface area
RTP Roller top
SRS Slip-resistant surface

④ Type
BPU Bucket profile
CAP Pin lock & belt edge sealing
CCW Counter clockwise
CLP Clip
CM Center module
CW Clockwise
FPL Finger plate
HDT Hold Down Tab
IDL Idler
PIN Coupling rod
PMC Profile module center
PMU Profile module universal
PSP ProSnap
RI High Grip insert
RTR Retaining ring
SG Module with sideguard
SLI Slider
SML Side module, left
SMR Side module, right
SMU Side module, universal/both sides
SPR Sprocket
TPL Turning panel, left
TPR Turning panel, right
UM Universal module
WSC Wheel Stopper Center
WSS Wheel Stopper Side

⑤ Style
1.7 1.7 collapse factor
2.2 2.2 collapse factor
2.2 G 2.2 collapse factor, guided
A90 Angle 90° to conveying direction
BT Bearing tab
DR Double row sprocket
F1, F2, F3 ... Collapse factor modules
G Guided
GT Guiding tabs
HD Hold Down
Ixx xx = indent in mm
RG Reversed guided
SG Side guard
SP Split sprocket
ST Strong

⑥ Material
PA Polyamide
PA-HT Polyamide high temperature
PBT Polybutylentere-phthalate
PE Polyethylene
PE-I PE impact resistant
PE-MD PE metal detectable
PLX Wear & impact improved polymer
POM Polyoxymethylene (Polyacetal)
POM-CR POM cut resistant
POM-HC POM highly conductive
POM-MD POM metal detectable
POM-PE POM side modules + PE center modules
POM-PP POM side modules + PP center modules
PP Polypropylene
PP-MD PP metal detectable
PP-SW PP steam and hot water resistant
PXX-HC Self-extinguishing highly conductive material
R1 TPE 80 Shore A, PP
R2 EPDM 80 Shore A, vulcanized
R3 TPE 70 Shore A, POM
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
TPC1 Thermoplastic Copolyester
-HA Supports the HACCP concept
-HW High Wear resistant material

⑦ Color*
AT Anthracite
BG Beige
BK Black
BL Blue
DB Dark blue
GN Green
LB Light blue
LG Light gray
OR Orange
RE Red
TQ Turquoise
UC Uncolored
WT White
YL Yellow

⑧ Height/Diameter/Bore size and style
Height in mm (in) Format: Hxxx
Pin diameter in mm (in) 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 (in) Format: Lxxx
Module width in mm (in) Format: Wxxx

* For each series' standard colors please refer to the table of materials for each belt (chapter 1.2). A number of other colors are available on request. Colors can vary from the original due to the print, production processes or material used.