

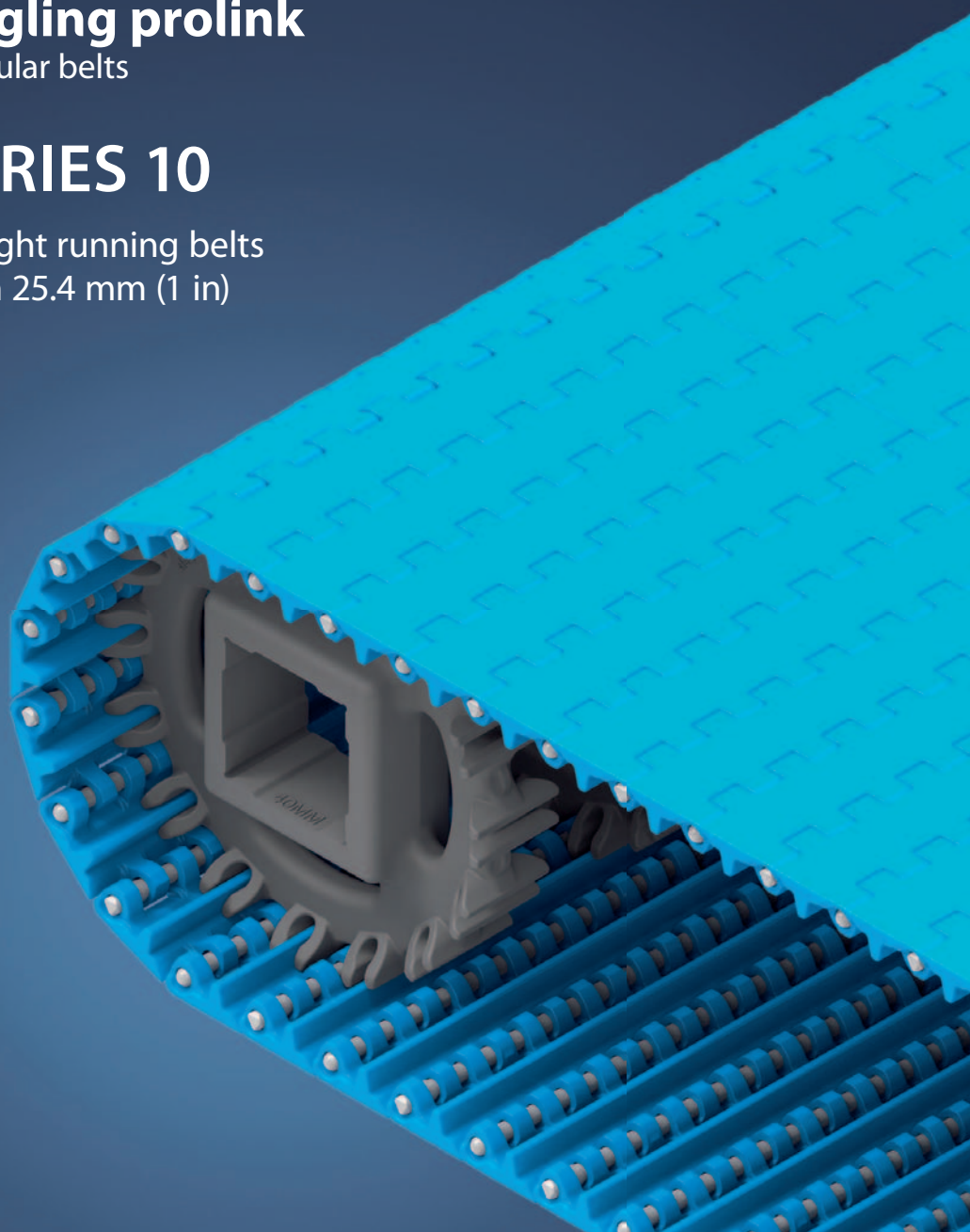
EXCERPT FROM PROLINK ENGINEERING MANUAL

01/20 (Ref-No. 888)

siegling prolink
modular belts

SERIES 10

Straight running belts
Pitch 25.4 mm (1 in)



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Ref. no. 888-2_1.2_S10

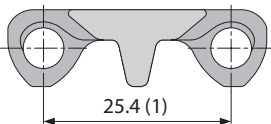
SERIES 10 | OVERVIEW

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

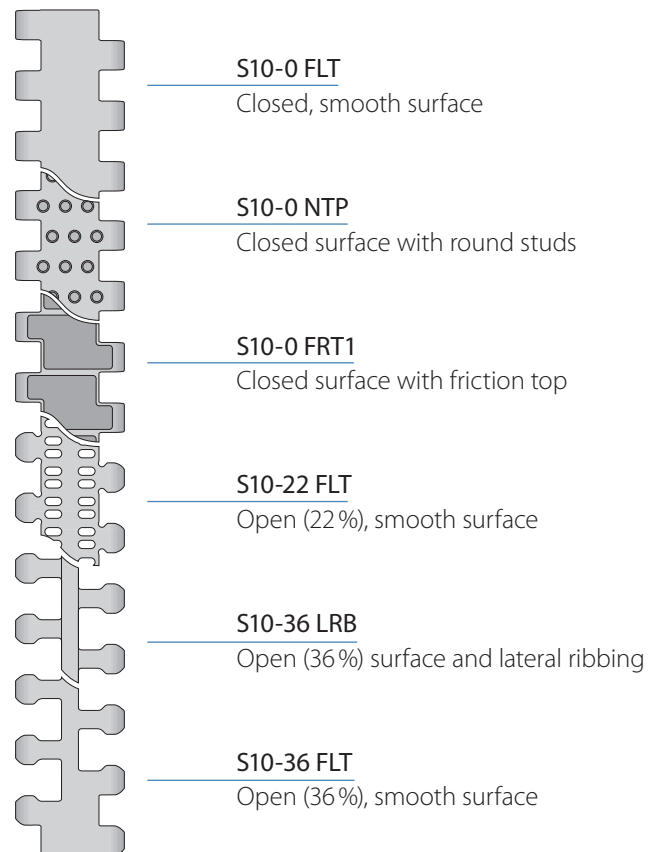
Basic data

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 (PE, PP, PBT)



NSF-compliant from these certified Forbo plants:
Huntersville (USA), Malacky (Slovakia), NSW (Australia),
Tlalnepantla (Mexico), Saint-Petersburg (Russia),
Shizuoka (Japan), Maharashtra (India)

Available surface pattern and opening area



Sprockets

in different sizes with round or square sprocket 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



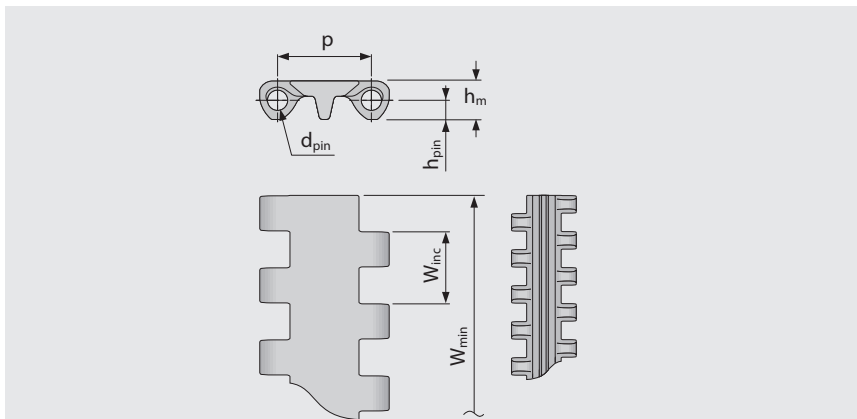
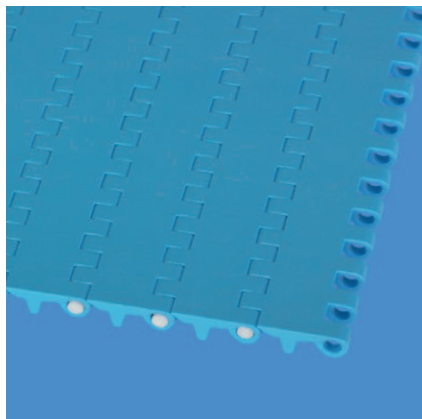
SERIES 10 | BELT TYPES

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 [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation [%]	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]		[°C]	[°F]	FDA ²⁾	EU ³⁾
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	●	●

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

³⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

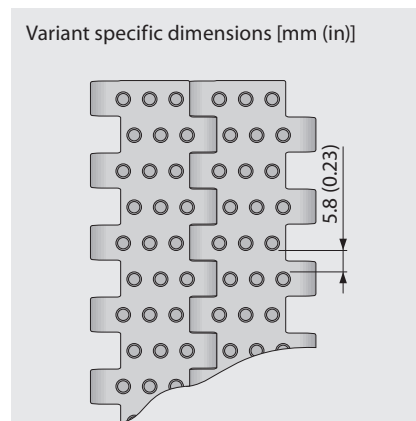
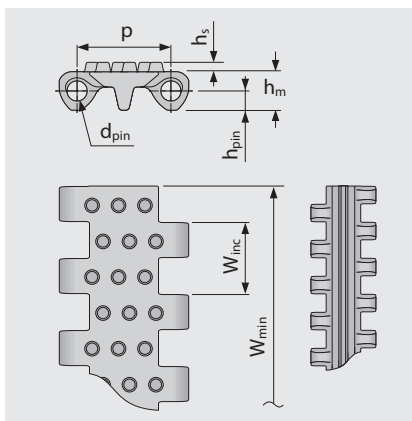
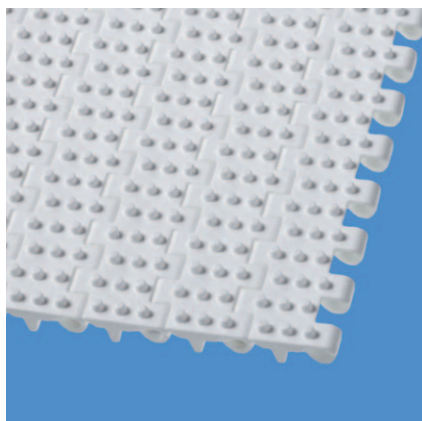
SERIES 10 | BELT TYPES

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)

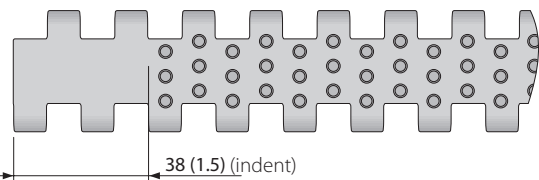


Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation [%]	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]		[°C]	[°F]	FDA ²⁾	EU ³⁾
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

³⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

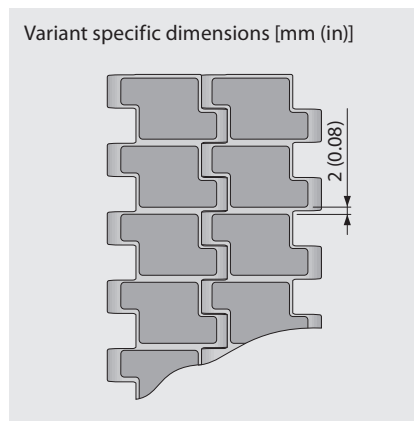
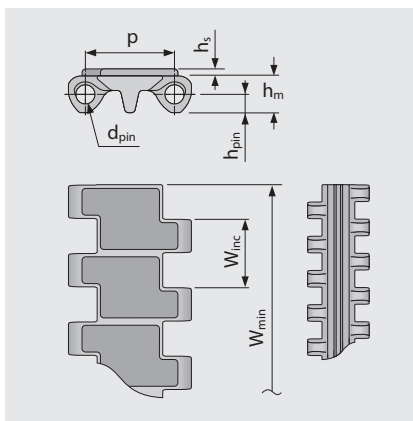
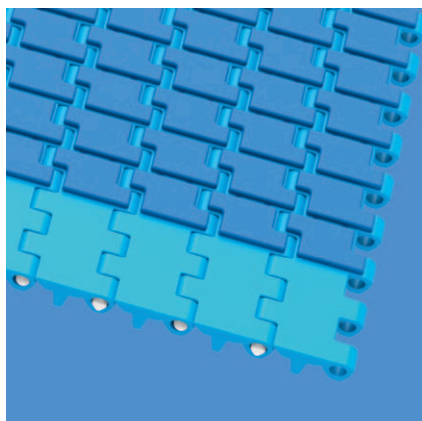
SERIES 10 | BELT TYPES

siegling 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)



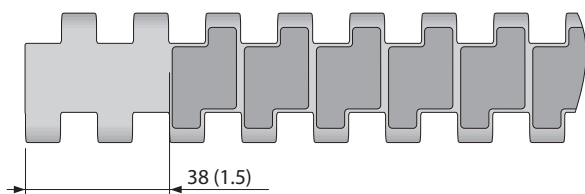
Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
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

³⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

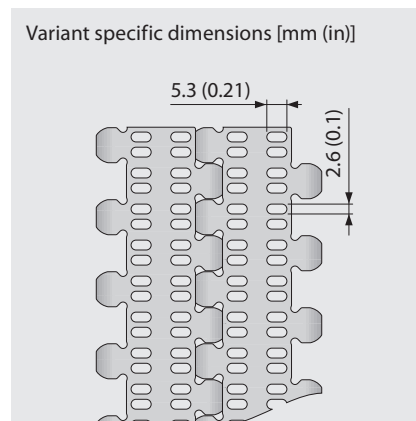
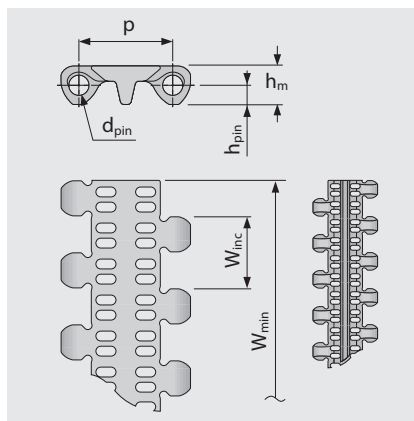
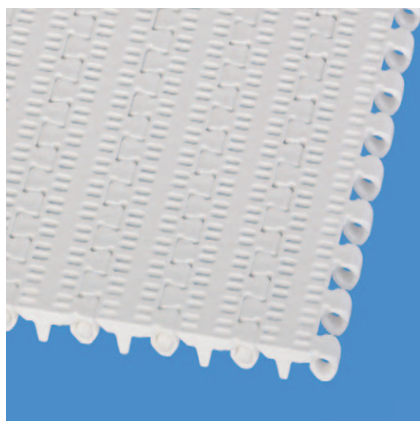
SERIES 10 | BELT TYPES

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 [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation [%]	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]		[°C]	[°F]	FDA ²⁾	EU ³⁾
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	●	●

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

²⁾ Complies with FDA 21 CFR

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⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

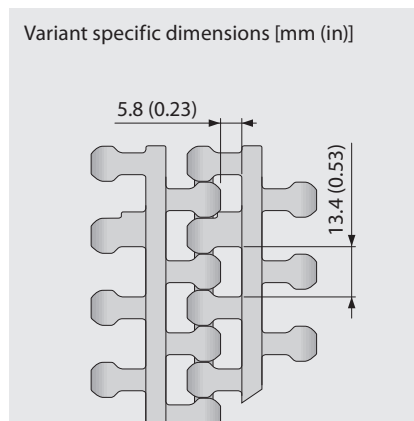
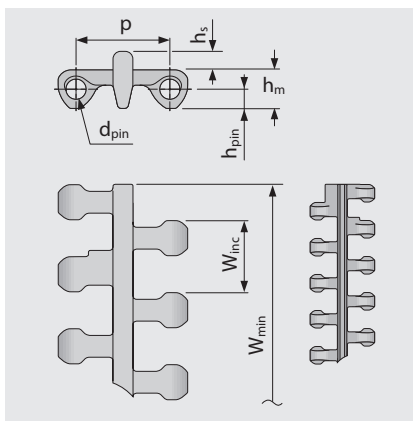
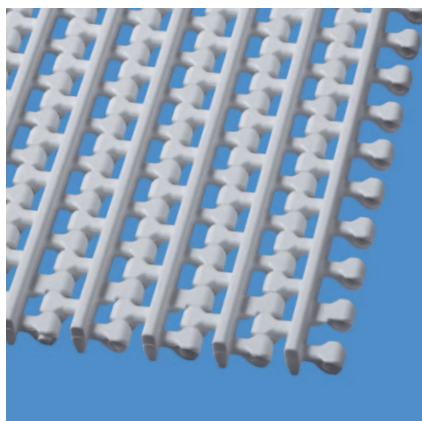
SERIES 10 | BELT TYPES

siegling 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 [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation [%]	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m ²]	[lb/ft ²]		[°C]	[°F]	FDA ²⁾	EU ³⁾
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

²⁾ Complies with FDA 21 CFR

³⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

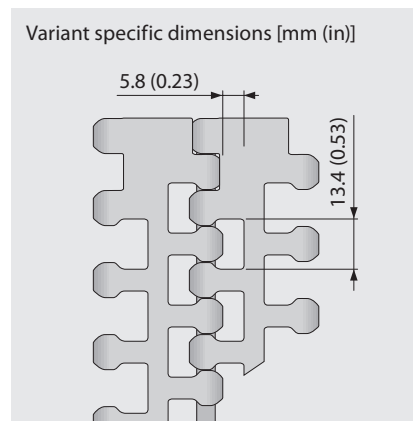
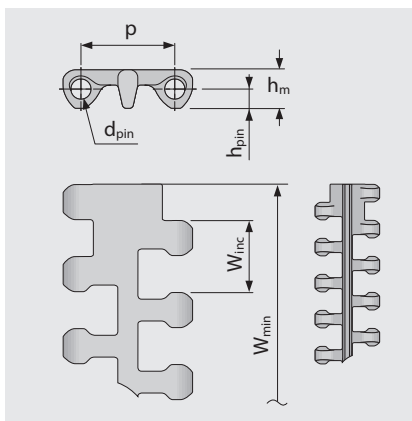
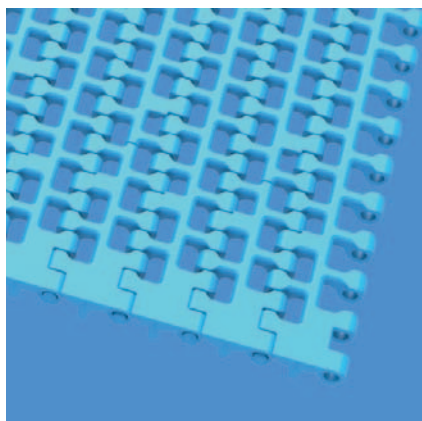
SERIES 10 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 25.4 mm (1 in)

S10-36 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 [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1	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 materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
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

²⁾ Complies with FDA 21 CFR

³⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

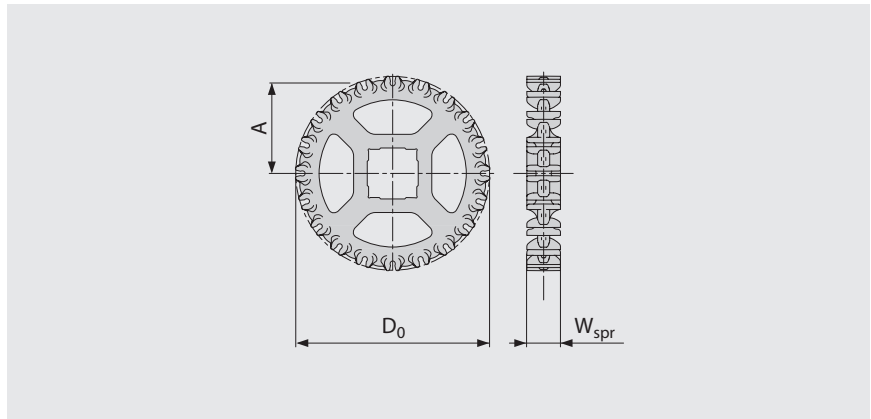
SERIES 10 | SPROCKETS

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.



MOVEMENT SYSTEMS

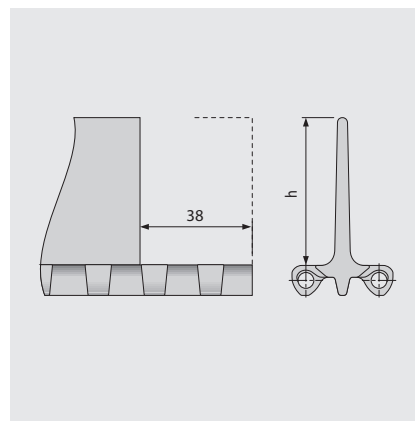
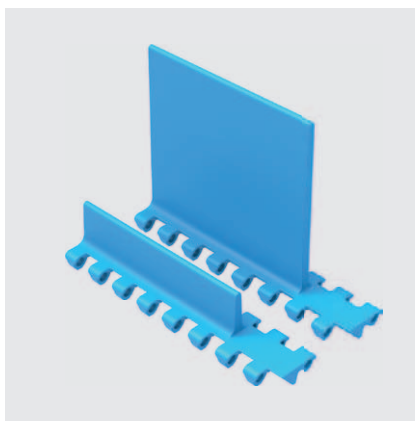
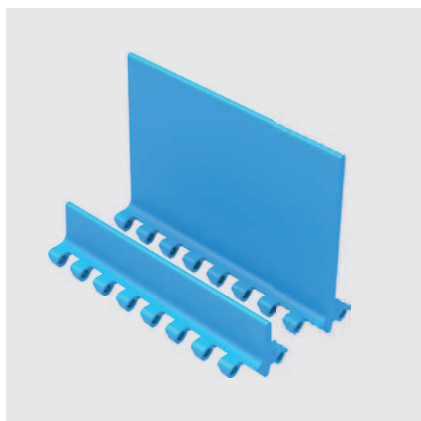
SERIES 10 | PROFILES

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

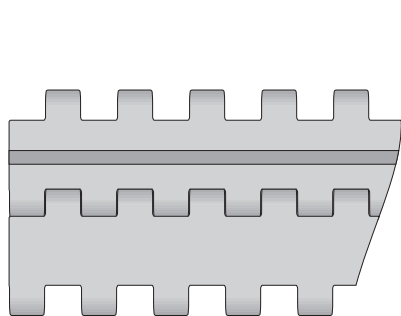


Basic data

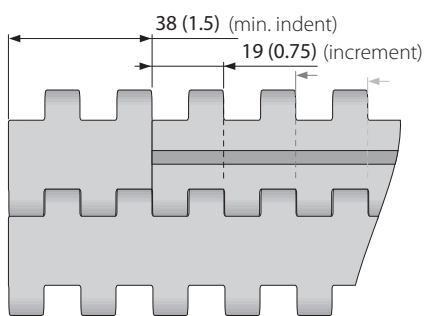
Material	Color	Height (h)	
		25 mm 1 inch	100 mm 4 inch
PE	LB	●/▲	●/▲
PE	WT	●/▲	●/▲
POM	LB	●/▲	●/▲
POM	WT	●/▲	●/▲
PP	LB	●/▲	●/▲
PP	WT	●/▲	●/▲

● = no indent, ▲ = with indent 38 mm

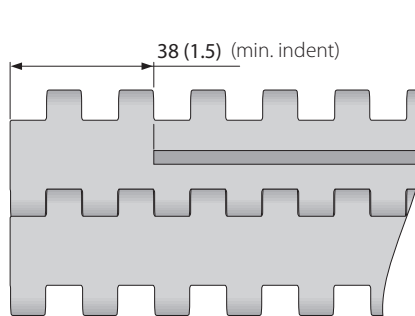
Molded width: 152 mm (6.0 in)



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

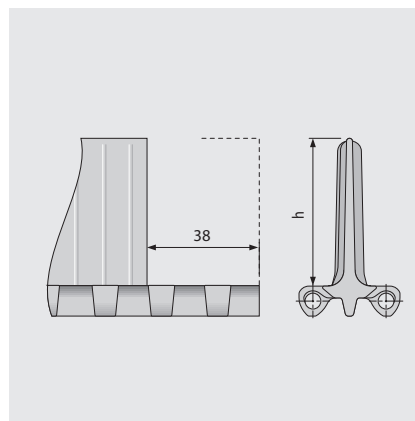
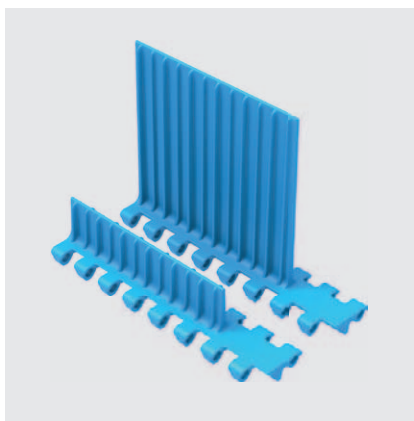
SERIES 10 | PROFILES

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

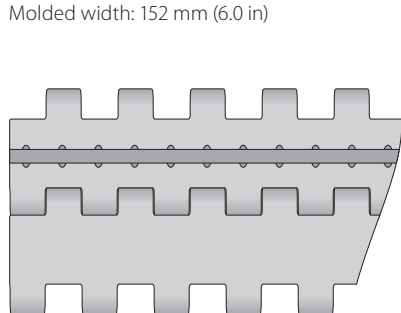


Basic data

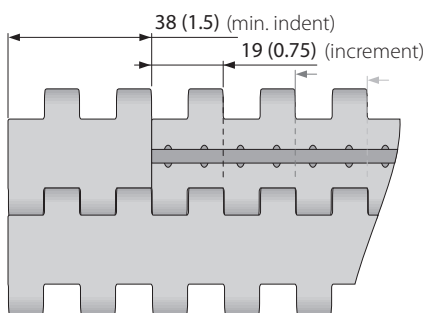
Material	Color	Height (h)	
		25 mm 1 inch	100 mm 4 inch
PE	LB	●/▲	●/▲
PE	WT	●/▲	●/▲
PE-MD	BL	●/▲	●
POM	LB	●/▲	●/▲
POM	WT	●/▲	●/▲
POM-MD	BL	●/▲	●/▲
PP	LB	●/▲	●/▲
PP	WT	●/▲	●/▲

● = no indent, ▲ = with indent 38 mm

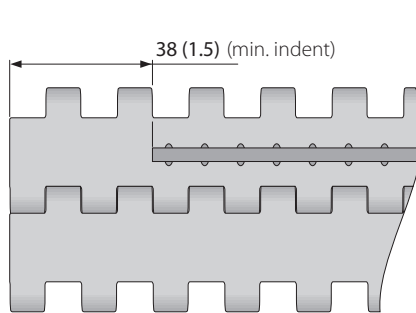
Molded width: 152 mm (6.0 in)



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)

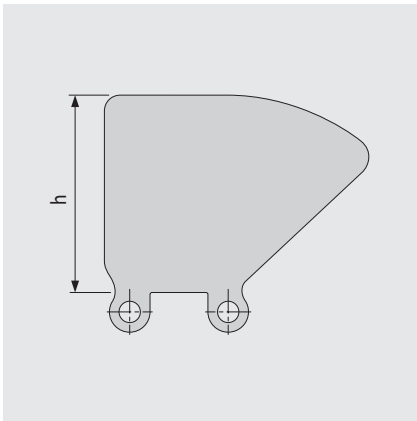
siegling prolink
modular belts

S10 SG | Side guards

For retention of bulk products

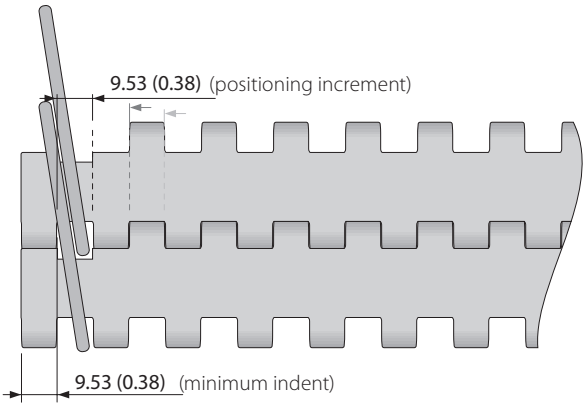


Recommended running direction



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), □ 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.

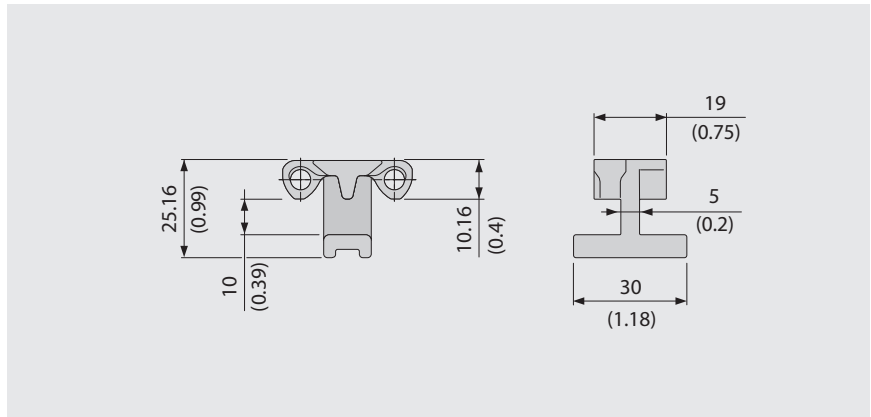
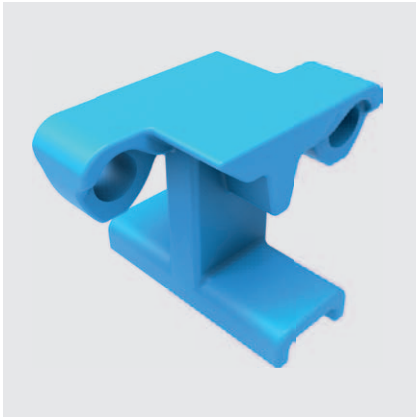
SERIES 10 | HOLD DOWN TABS

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

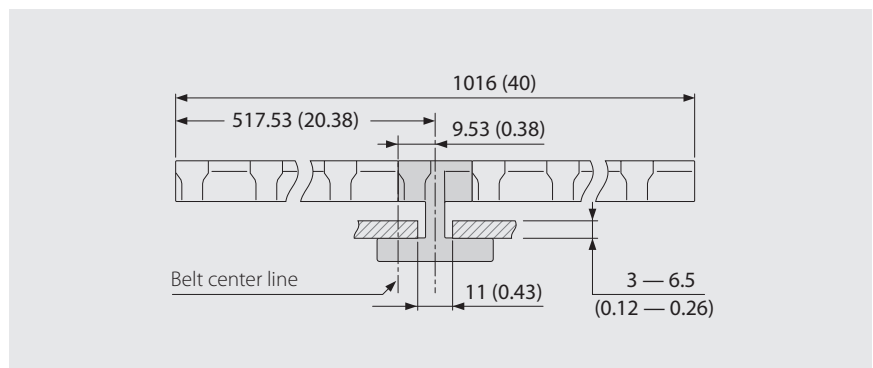


Basic data

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.

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		④ Type		⑥ Material		⑦ Color*	
S1 ... S15		A90 Angle 90° to conveying direction		PA Polyamide		AT Anthracite	
② Open area/Sprocket size		BPU Bucket profile		PA-HT Polyamide high temperature		BG Beige	
Percentage open area		CCW Counter clockwise		PBT Polybutylentere-phthalate		BK Black	
Format: xx		CLP Clip		PE Polyethylene		BL Blue	
E.g. 20 = 20 %		CM Center module		PE-MD PE metal detectable		DB Dark blue	
For sprockets: number of teeth		CW Clockwise		POM Polyoxymethylene (Polyacetal)		GN Green	
Format: "Z"xx		FPL Finger plate		POM-CR POM cut resistant		LB Light blue	
E.g. Z12 = 12 teeth		IDL Idler		POM-HC POM highly conductive		LG Light gray	
③ Surface pattern		PIN Coupling rod		POM-MD POM metal detectable		OR Orange	
BSL Base module for slider		PMC Profile module center		POM-PE POM side modules + PE center modules		RE Red	
CTP Cone top		PMU Profile module universal		POM-PP POM side modules + PP center modules		TQ Turquoise	
CUT Curved top		PMU lxx Profile module universal with indent xx = indent in mm		PP Polypropylene		TR Transparent	
FLT Flat top (smooth)		RI High Grip insert		PXX-HC Self-extinguishing highly conductive material		UC Uncolored	
FRT-OG Friction top without High Grip insert		RTR Retaining ring		R1 TPE 80 Shore A, PP		WT White	
FRT(X) Friction top (Design X)		SG Module with sideguard		R2 EPDM 80 Shore A, vulcanized		YL Yellow	
GRT Grid top		SLI Slider		R3 TPE 70 Shore A, POM		⑧ Height/Diameter/ Bore size and style	
LRB Lateral rib		SML Side module, left		R4 TPE 86 Shore A, PP			
MOD Modified module shape		SMR Side module, right		R5 TPE 52 Shore A, PP			
NCL No cling		SMU Side module, universal/both sides		R6 TPE 63 Shore A, POM		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	
NPY Negative pyramid		SPR Sprocket		R7 TPE 50 Shore A, PP		⑨ Length/Width	
NSK Non skid		TPL Turning panel, left		R8 TPE 55 Shore A, PE			
NTP Nub top (round studs)		TPR Turning panel, right		SER Self-extinguishing TPE			
RAT Radius top		UM Universal module		SS Stainless steel		Pins Length in mm (in) Format: Lxxx Module width in mm (in) Format: Wxxx	
RRB Raised rib		⑤ Style		TPC1 Themoplastic Copolyester			
RSA Reduced surface area		BT Bearing tab		-HA Supports the HACCP concept			
RTP Roller top		DR Double row sprocket		-HW High Wear resistant material			
SRS Slip-resistant surface		F1, F2, F3 ... Collapse factor modules					
		G Guided					
		GT Guiding tabs					
		HD Hold Down					
		RG Reversed guided					
		SG Side guard					
		SP Split sprocket					
		ST Strong					

* 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.



MOVEMENT SYSTEMS