

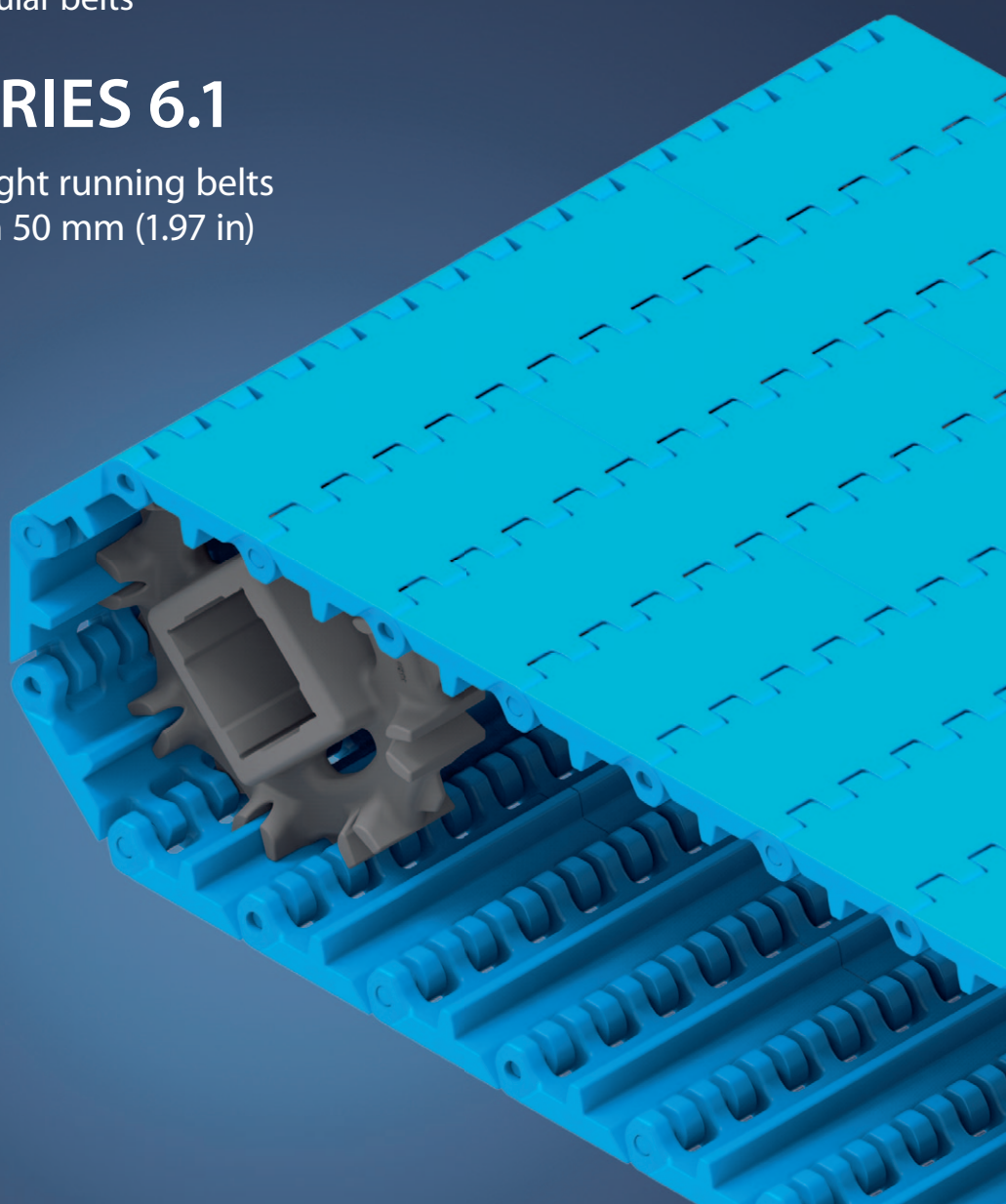
EXCERPT FROM PROLINK ENGINEERING MANUAL

05/19 (Ref-No. 888)

siegling prolink
modular belts

SERIES 6.1

Straight running belts
Pitch 50 mm (1.97 in)



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Ref. no. 888-2_1.2_S6.1

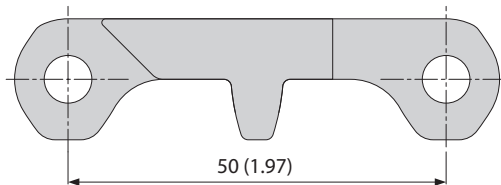
SERIES 6.1 | OVERVIEW

siebling prolink
modular belts

Straight running belts | Pitch 50 mm (1.97 in)

Belts for medium to heavy-duty, hygiene-critical applications

Side view scale 1:1



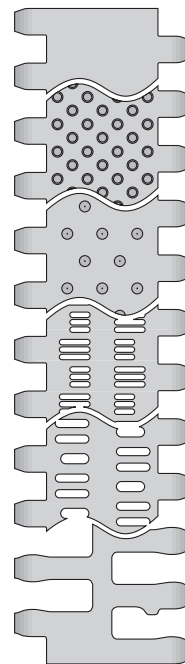
Design characteristics

- 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 (depending on material)
- Special sprocket design with enhanced tooth engagement for excellent force transmission

Basic data

Pitch	50 mm (1.97 in)
Belt width min.	40 mm (1.57 in)
Width increments	20 mm (0.8 in)
Hinge pins	Made of plastic (PE, PP, POM-MD, PBT)

Available surface pattern and opening area



S6.1-0 FLT

Closed, smooth surface

S6.1-0 NTP

Closed surface and round studs

S6.1-0 CTP

Closed surface and pointed studs

S6.1-21 FLT

Open (21 %), smooth surface

S6.1-23 FLT

Open (23 %), smooth surface

S6.1-36 FLT

Open (36 %), smooth surface



Certified

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

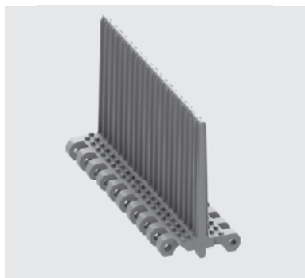
Sprockets

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



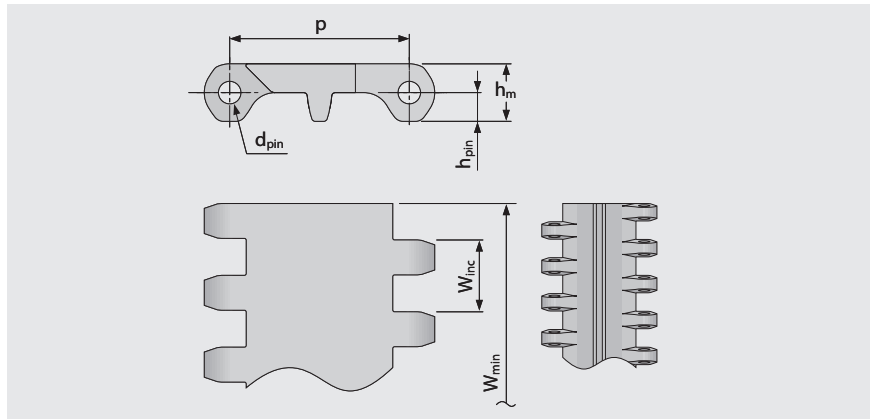
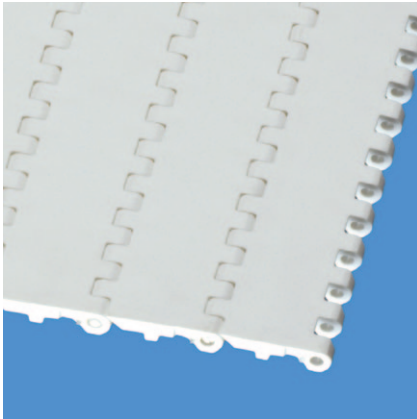
SERIES 6.1 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-0 FLT | 0 % Opening | Flat top

Closed, smooth surface | Flat top surface | Easy-to-clean



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	50.0	6.0	16.0	8.0	0.0	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.0	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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/LB	13	891	9.4	1.93	-0.65	-70/65	-94/149	●	●
POM	WT/LB	PBT	UC/LB	30	2056	13.4	2.74	-0.65	-45/90	-49/194	●	●
POM-CR	WT/LB	PBT	UC/LB	30	2056	13.4	2.74	-0.65	-45/90	-49/194	●	●
PP	WT/LB	PP	WT/LB	18	1233	8.3	1.7	-0.0	5/100	41/212	●	●
PE-MD	BL	POM-MD	BL	13	891	9.8	2.01	-0.65	-70/65	-94/149	●	●
POM-MD	BL	POM-MD	BL	30	2056	13.7	2.81	-0.65	-45/65	-49/149	●	●
PP-MD	BL	PP-MD	BL	18	1233	9.0	1.84	-0.0	5/100	41/212	●	●

Mold to order belts

PA*	BL	PBT	UC	30	2056	12.9	2.64	-0.0	-40/120	-40/248	●	●
TPC1	LB	PBT	UC	13	891	11.6	2.38	-0.65	-25/80	-13/176	●	●

Mold to width available in: 100 mm (3.94 in), 140 mm (5.51 in), 200 mm (7.87 in), 220 mm (8.66 in), 400 mm (15.75 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

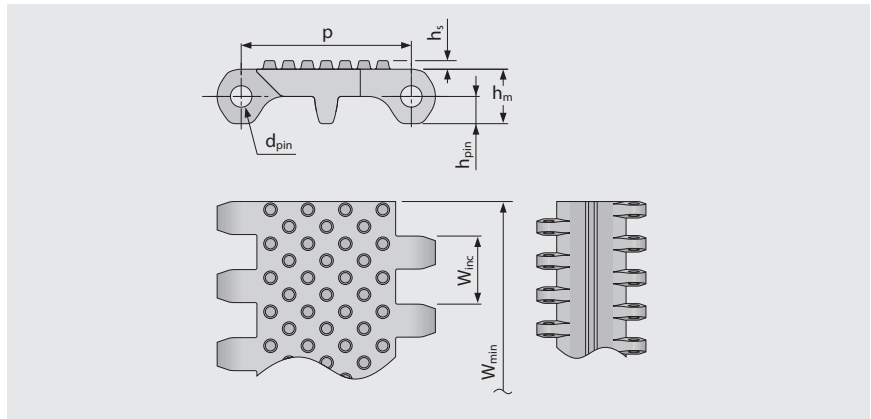
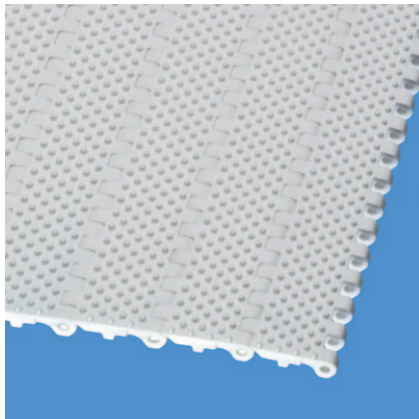
SERIES 6.1 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-0 NTP | 0% Opening | Nub top (round studs)

Closed surface and round studs | 6% contact area | Nub top surface for good release of wet and sticky products | Easy-to-clean



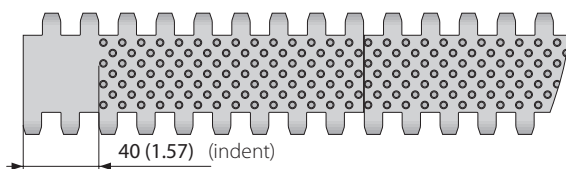
Belt dimensions

	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	50.0	6.0	16.0	8.0	2.5	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.1	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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	13	891	9.6	1.97	-0.65	-70/65	-94/149	●	●
PE	LB	PE	LB	13	891	9.6	1.97	-0.65	-70/65	-94/149	●	●
POM	LB	PBT	LB	30	2056	13.7	2.81	-0.65	-45/90	-49/194	●	●

Mold to order belts												
PP		PP		18	1233	8.4	1.72	0.0	5/100	41/212	–	–



Also available with
molded indent
40 mm (1.57 in)

Mold to width available in: 100 mm (3.94 in),
200 mm (7.87 in), 400 mm (15.75 in)

■ 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

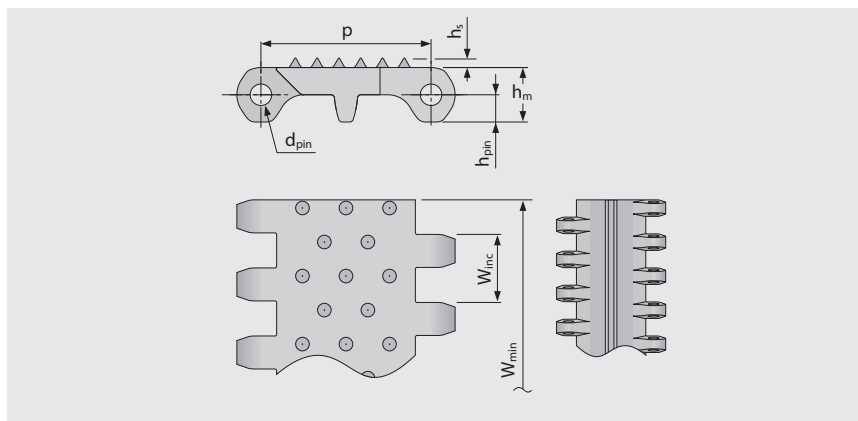
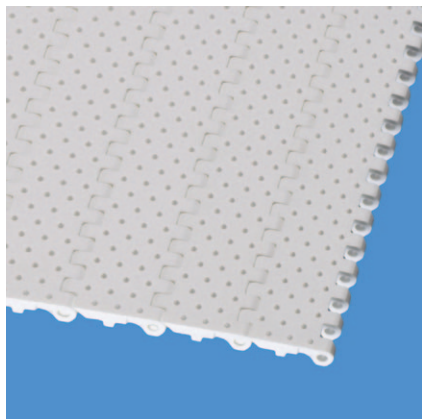
SERIES 6.1 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-0 CTP | 0% Opening | Cone top (pointed studs)

Closed surface and pointed studs | Cone top surface pattern for superior grip | Easy-to-clean



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	50.0	6.0	16.0	8.0	2.8	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.11	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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⁾
POM	WT	PBT	UC	30	2056	13.5	2.77	-0.65	-45/90	-49/194	●	●

Mold to order belts												
PE		PE		13	891	9.5	1.95	-0.65	-70/65	-94/149	–	–

Mold to width available in: 400 mm (15.75 in)

□ 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

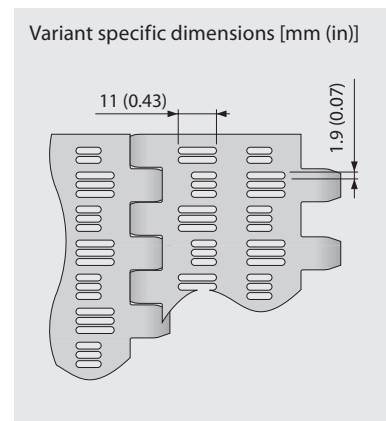
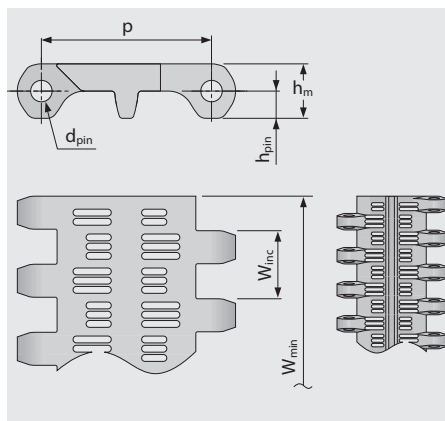
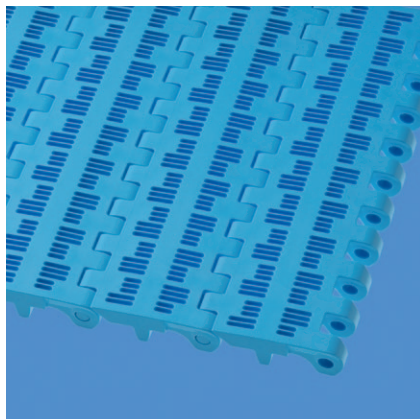
SERIES 6.1 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-21 FLT | 21 % Opening | Flat top

Open area (21 %) for excellent air circulation and drainage | 72% contact area (Largest opening: 1.9 x 11 mm/0.07 x 0.43 in) | Smooth surface | Easy-to-clean



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	50.0	6.0	16.0	8.0	0.0	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.0	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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	13	891	7.8	1.6	-0.5	-70/65	-94/149	●	●
PE	LB	PE	LB	13	891	7.8	1.6	-0.5	-70/65	-94/149	●	●
POM	WT	PBT	UC	30	2056	10.8	2.21	-0.5	-45/90	-49/194	●	●
POM	LB	PBT	LB	30	2056	10.8	2.21	-0.5	-45/90	-49/194	●	●
PP	WT	PP	WT	18	1233	6.7	1.37	0.0	5/100	41/212	●	●
PP	LB	PP	LB	18	1233	6.7	1.37	0.0	5/100	41/212	●	●

Mold to width available in: 100 mm (3.94 in), 200 mm (7.87 in), 400 mm (15.75 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

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⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

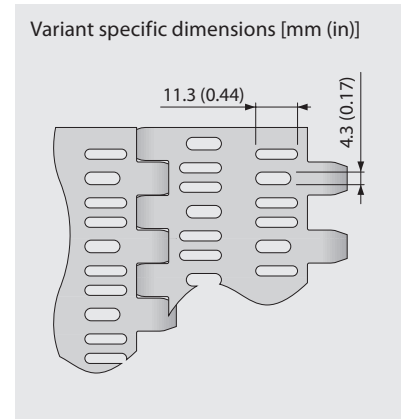
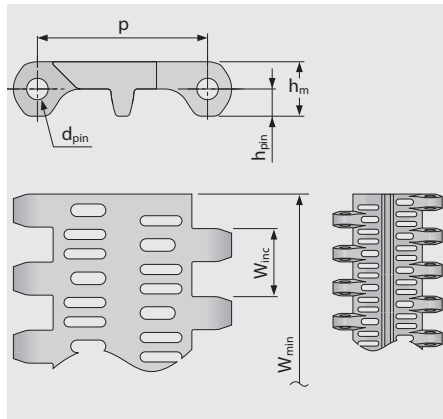
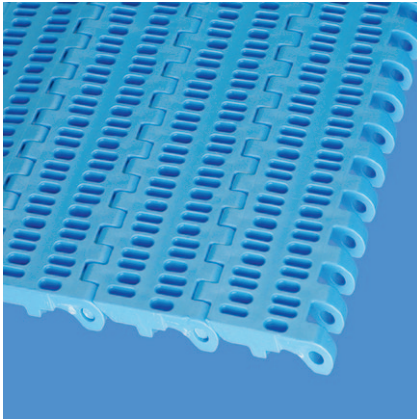
SERIES 6.1 | BELT TYPES

siegling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-23 FLT | 23 % Opening | Flat top

Open area (23 %) for excellent air circulation and drainage | 71 % contact area (Largest opening: 4.3 x 9.3 mm/0.17 x 0.37 in)
Smooth surface | Easy-to-clean



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	50.0	6.0	16.0	8.0	0.0	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.0	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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	13	891	8.2	1.68	-0.5	-70/65	-94/149	●	●
PE	LB	PE	LB	13	891	8.2	1.68	-0.5	-70/65	-94/149	●	●
POM	WT	PBT	UC	30	2056	11.3	2.31	-0.5	-45/90	-49/194	●	●
POM	LB	PBT	LB	30	2056	11.3	2.31	-0.5	-45/90	-49/194	●	●
PP	WT	PP	WT	18	1233	7.0	1.43	0.0	5/100	41/212	●	●
PP	LB	PP	LB	18	1233	7.0	1.43	0.0	5/100	41/212	●	●

Mold to order belts												
PE-MD	BL	POM-MD	BL	13	891	8.9	1.82	-0.5	-70/65	-94/149	●	●
POM-CR		PBT		30	2056	11.3	2.31	-0.5	-45/90	-49/194	–	–
PE-I	UC	PE	WT	13	891	8.2	1.68	-0.5	-70/65	-94/149	●	●

Mold to width available in: 100 mm (3.94 in), 200 mm (7.87 in), 400 mm (15.75 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⁾ Complies with (EU) 10/2011 and (EC) 1935/2004 regulations regarding the raw materials used and the migration thresholds

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MOVEMENT SYSTEMS

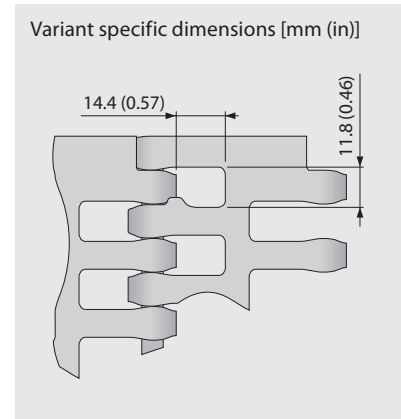
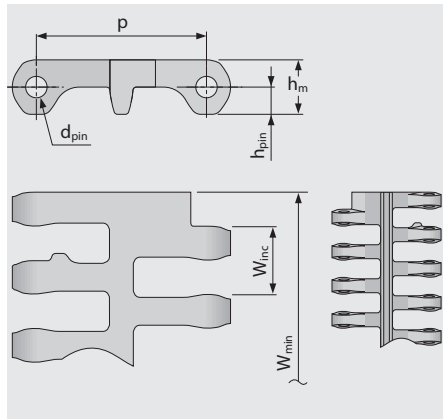
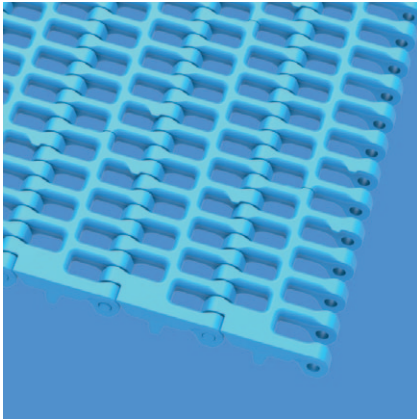
SERIES 6.1 | BELT TYPES

siebling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1-36 FLT | 36 % Opening | Flat top

Open area (36 %) for excellent air circulation and drainage | 35 % contact area (Largest opening: 11.8 x 15.2 mm/0.46 x 0.6 in)
Smooth surface | Easy-to-clean



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	50.0	6.0	16.0	8.0	0.0	40.0	20.0	±0.2	–	50.0	100.0	150.0	50.0
inch	1.97	0.24	0.63	0.31	0.0	1.57	0.79	±0.2	–	1.97	3.94	5.91	1.97

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	13	891	6.2	1.27	-0.5	-70/65	-94/149	●	●
PE	LB	PE	LB	13	891	6.2	1.27	-0.5	-70/65	-94/149	●	●
POM	WT	PBT	UC	30	2056	9.0	1.84	-0.5	-45/90	-49/194	●	●
POM	LB	PBT	LB	30	2056	9.0	1.84	-0.5	-45/90	-49/194	●	●
PP	WT	PP	WT	18	1233	5.9	1.21	0.0	5/100	41/212	●	●
PP	LB	PP	LB	18	1233	5.9	1.21	0.0	5/100	41/212	●	●

Mold to order belts												
PP-MD	BL	PP-MD	BL	18	1233	6.4	1.31	0.0	5/100	41/212	●	●
PE-MD	BL	POM-MD	BL	13	891	6.7	1.37	-0.5	-70/65	-94/149	●	●
POM-MD	BL	POM-MD	BL	30	2056	9.2	1.88	-0.5	-45/90	-49/194	●	●

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

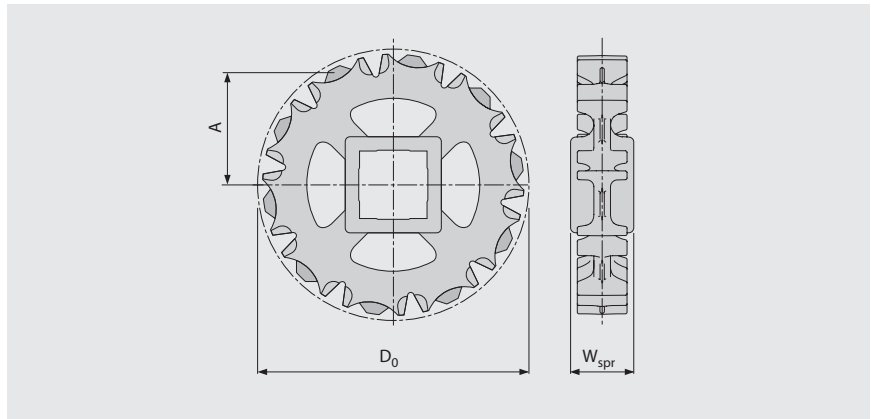
SERIES 6.1 | SPROCKETS

siegling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1 SPR | Sprockets

Special easy-to-clean sprocket with enhanced tooth engagement for excellent force transmission



Main dimensions

Sprocket size (Number of teeth)		Z6	Z8	Z10	Z12	Z16
W _{spr}	mm	40.0	40.0	40.0	40.0	40.0
	inch	1.57	1.57	1.57	1.57	1.57
D ₀	mm	101.6	132.9	163.5	195.3	257.8
	inch	4.00	5.23	6.44	7.69	10.15
A _{max}	mm	41.6	57.8	73.3	89.3	120.7
	inch	1.64	2.28	2.89	3.52	4.75
A _{min}	mm	36.0	53.4	69.7	86.3	118.4
	inch	1.42	2.10	2.74	3.40	4.66

Shaft bores (● = Round, ■ = Square)

30	mm	●	●	●		
40	mm	■	■	■	■	■
60	mm			■	■	■
1	inch	●	●	●		
1.25	inch		●	●		
1.44	inch			●		
1.5	inch	■	■	■	●/■	■
2	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

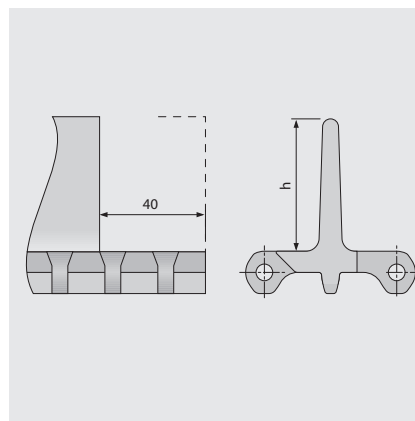
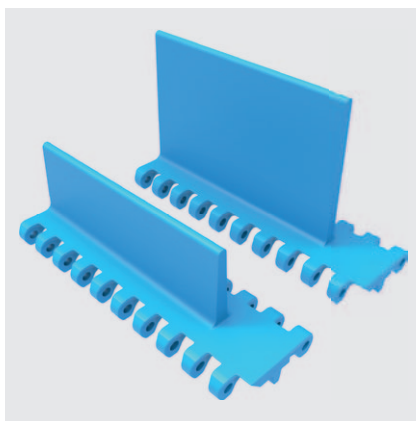
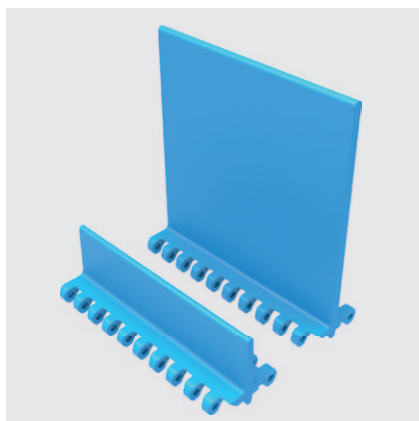
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siegling prolink
modular belts

S6.1-0 FLT PMU/S6.1-0 FLT PMU I40

Flat top surface for dry products

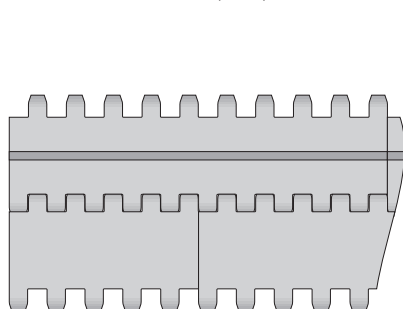


Basic data

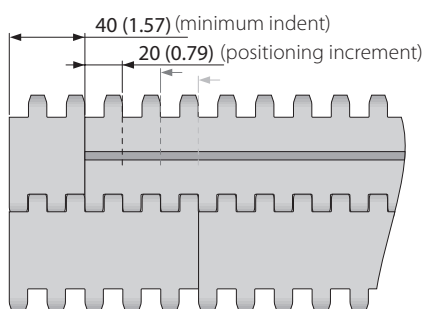
Material	Color	Height (h)		
		50 mm 2 inch	100 mm 4 inch	150 mm 6 inch
PE	LB/WT	●/▲	●/▲	●
POM-CR	LB		●	
POM	LB/WT	●/▲	●/▲	●
POM-MD	BL	●	●	●
PP	LB/WT	●/▲	●/▲	●
PP-MD	BL		●	

● = no indent, ▲ = with indent 40 mm

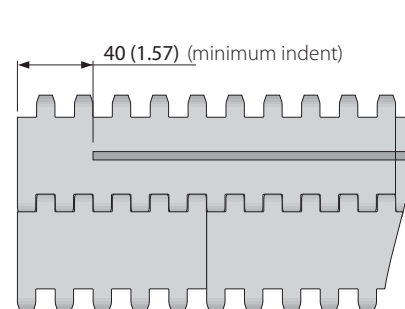
Molded width: 200 mm (7.9 in)



Standard configuration S6.1-0 FLT PMU



Indent configuration S6.1-0 FLT PMU



Standard configuration S6.1-0 FLT PMU I40

■ 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

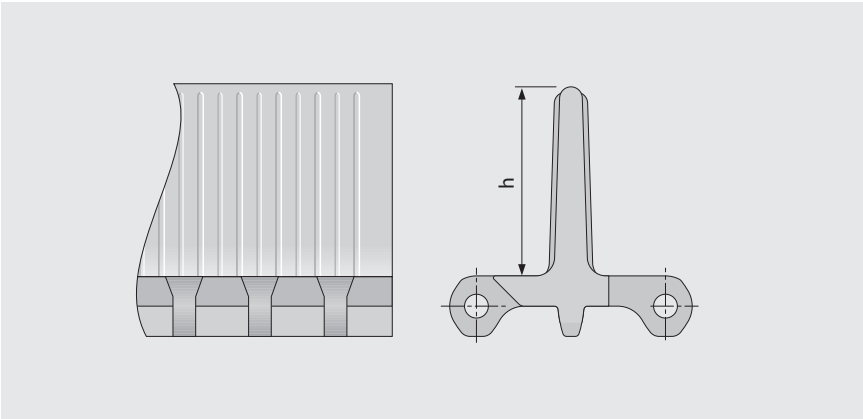
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siegling prolink
modular belts

S6.1-0 NCL PMU

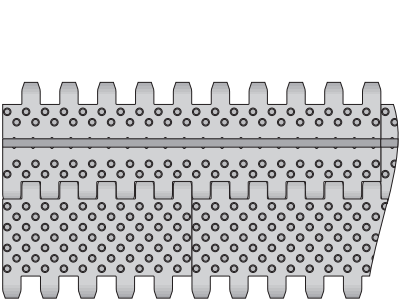
No cling surface with nub top base to improve release of wet and sticky products



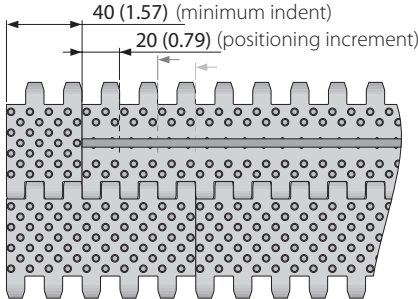
Basic data

Material	Color	Height (h)
		100 mm 4 inch
PE	LB	●
PE	WT	●

Molded width: 200 mm (7.9 in)



Standard configuration S6.1-0 NCL PMU



Indent configuration S6.1-0 NCL PMU

■ 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.

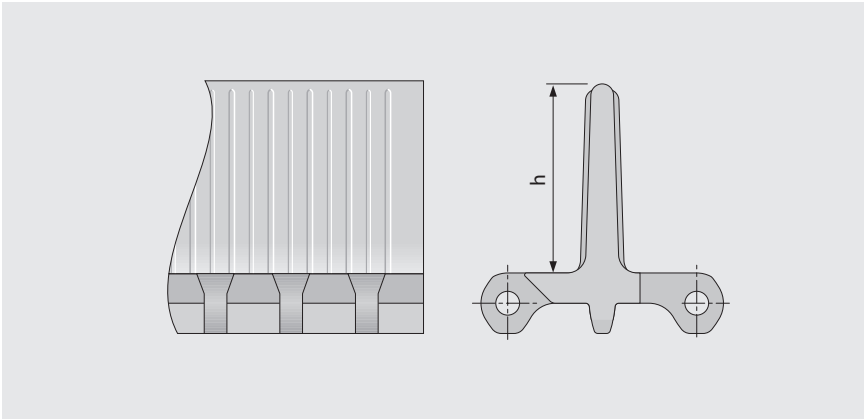
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siegling prolink
modular belts

S6.1-23 NCL PMU

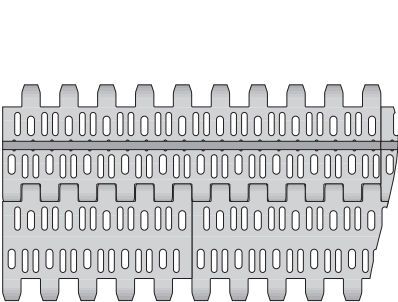
No cling surface with open area base (23%) to improve release of wet and sticky products



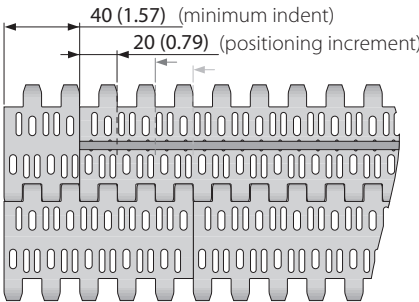
Basic data

Material	Color	Height (h)
		100 mm 4 inch
PE	LB	●
PE	WT	●
PP	LB	●
PP	WT	●

Molded width: 200 mm (7.9 in)



Standard configuration S6.1-23 NCL PMU



Indent configuration S6.1-23 NCL PMU

■ 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.

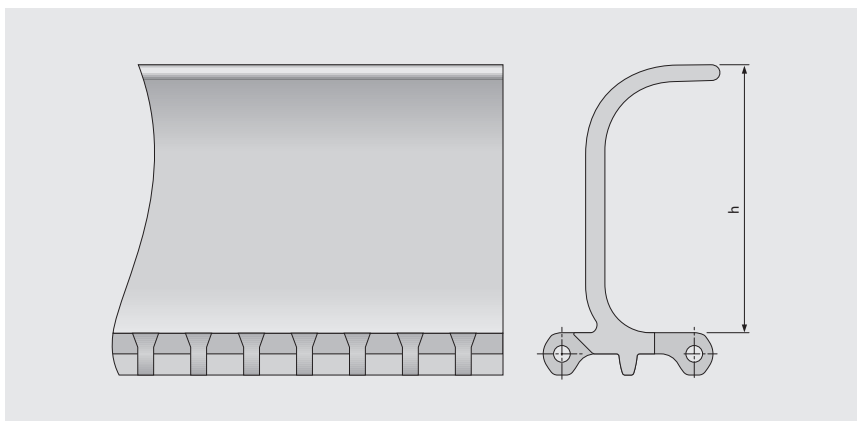
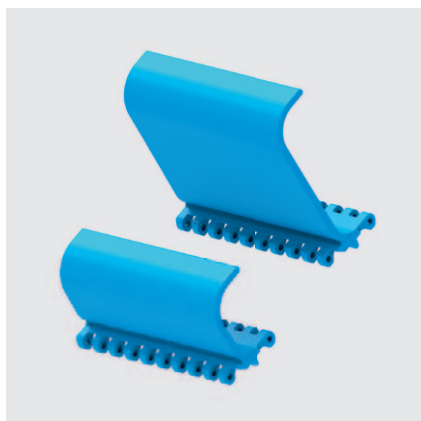
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siebling prolink
modular belts

S6.1-0 FLT PSU-0

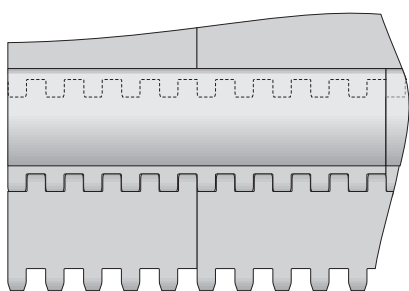
Scooped profiles with flat top surface for elevating of dry products



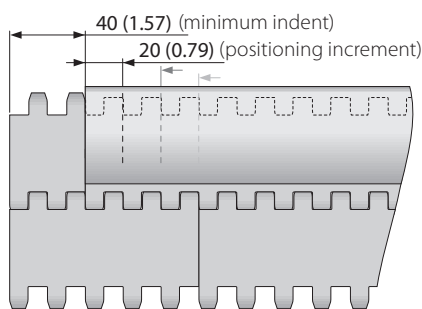
Basic data

Material	Color	Height (h)		
		76 mm 3 inch	102 mm 4 inch	152 mm 6 inch
PE	LB	●	●	●
PE	WT	●	●	●
POM	LB	●	●	●
POM	WT	●	●	●
PP	LB	●	●	●
PP	WT	●	●	●
PP-MD	BL		●	●

Molded width: 200 mm (7.9 in)



Standard configuration S6.1-0 FLT PSU-0



Indent configuration S6.1-0 FLT PSU-0

■ 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

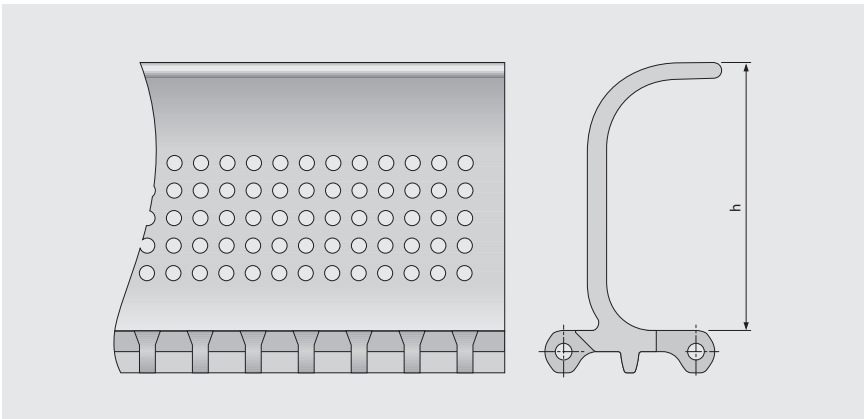
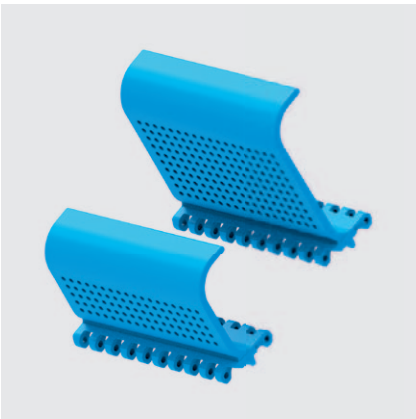
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siegling prolink
modular belts

S6.1-0 FLT PSU-16

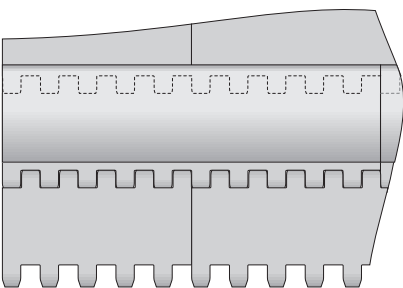
Perforated scooped profiles with open area (16%) for drainage while elevating products



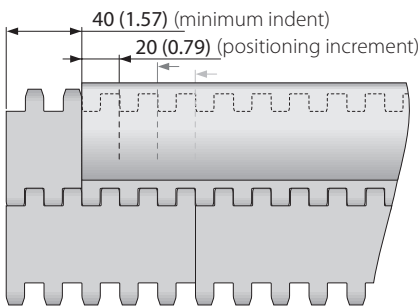
Basic data

Material	Color	Height (h)	
		102 mm 4 inch	152 mm 6 inch
PE	LB	●	●
PE	WT	●	●
POM	LB	●	●
POM	WT	●	●
PP	LB	●	●
PP	WT	●	●

Molded width: 200 mm (7.9 in)



Standard configuration S6.1-0 FLT PSU-16



Indent configuration S6.1-0 FLT PSU-16

■ 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.

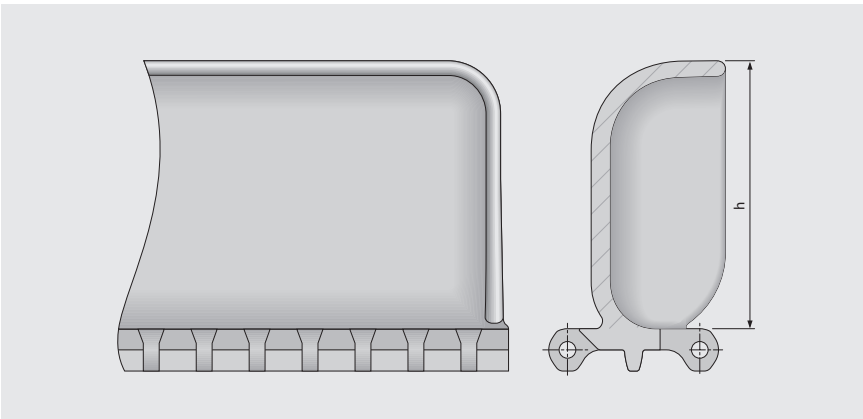
SERIES 6.1 | PROFILES

Straight running belt | Pitch 50 mm (1.97 in)

siegling prolink
modular belts

S6.1-0 FLT BPU

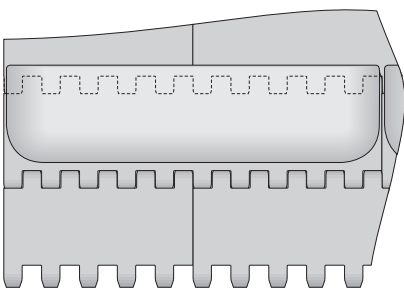
Bucket Profiles for contained conveying of bulk products up steep inclines



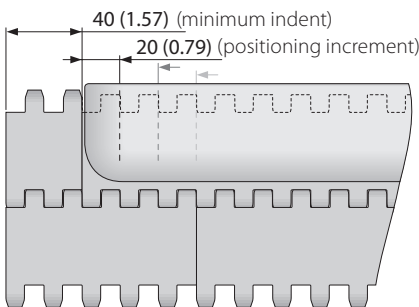
Basic data

Material	Color	Height (h)	
		102 mm 4 inch	152 mm 6 inch
PE	LB	●	●
PE	WT	●	●
POM	LB	●	●
POM	WT	●	●
PP	LB	●	●
PP	WT	●	●

Molded width: 200 mm (7.9 in)



Standard configuration S6.1-0 FLT BPU



Indent configuration S6.1-0 FLT BPU

■ 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.

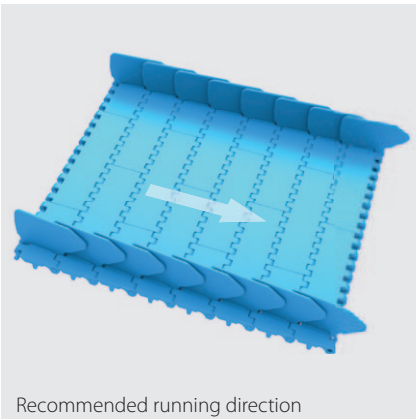
SERIES 6.1 | SIDE GUARDS

siegling prolink
modular belts

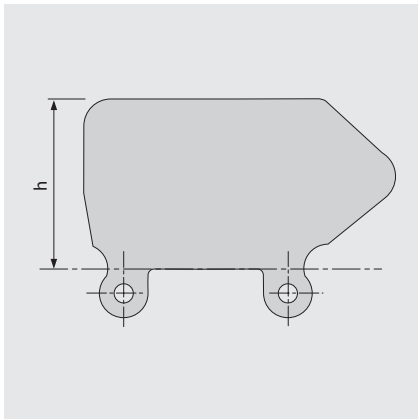
Straight running belt | Pitch 50 mm (1.97 in)

S6.1 SG | Side guards

For retention of bulk products

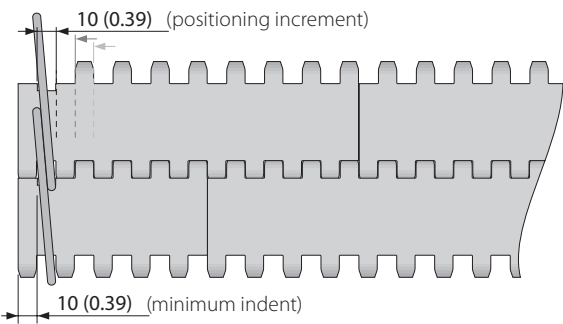


Recommended running direction



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.

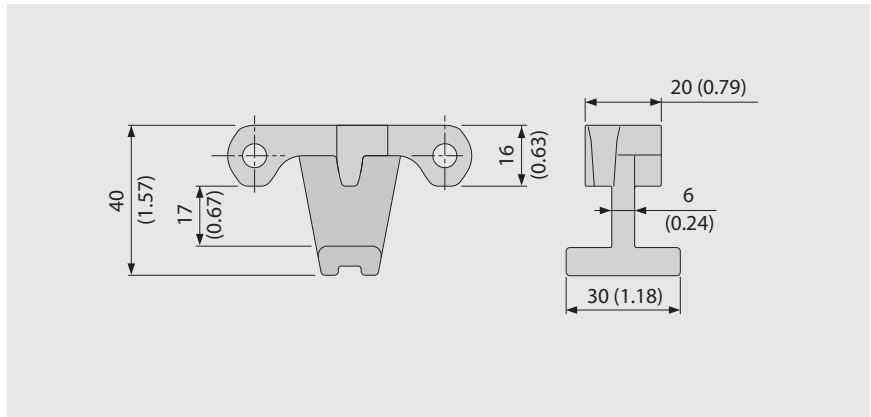
SERIES 6.1 | HOLD DOWN TABS

siegling prolink
modular belts

Straight running belt | Pitch 50 mm (1.97 in)

S6.1 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

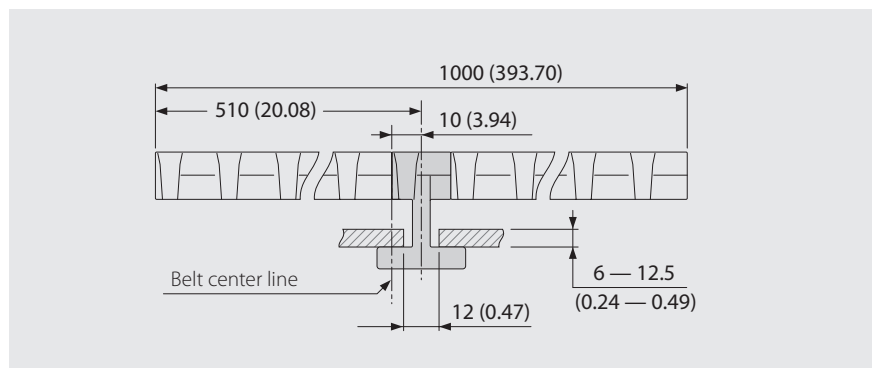


Basic data

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	20	0.75	15	0.5
Z8	50	1.75	40	1.5
Z10	80	3.0	60	2.5
Z12	110	4.25	85	3.25
Z16	170	6.5	130	5.25

■ 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

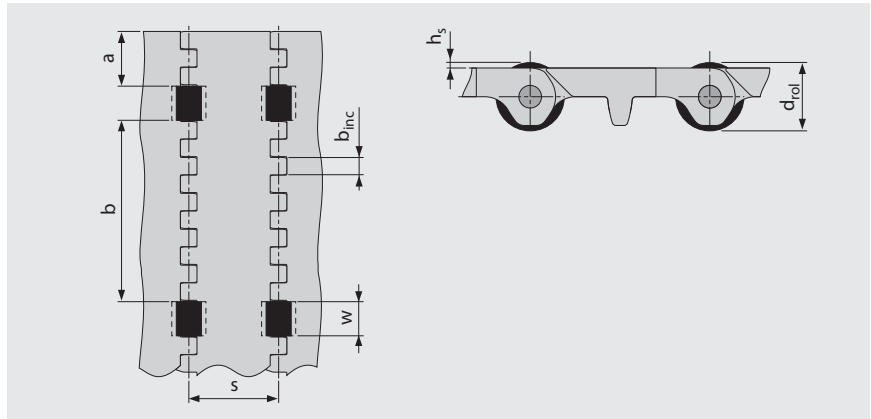
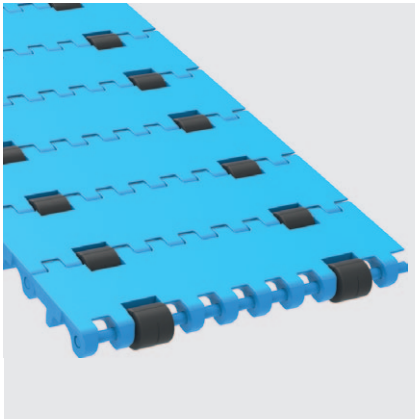
SERIES 6.1 | PRR

Straight running belt | Pitch 50 mm (1.97 in)

siebling prolink
modular belts

S6.1 PRR | Pin Retained Rollers

For applications where low back pressure accumulation or product separation is required



- For low back pressure wearstrips are to be positioned between the rollers
- For product separation the wearstrips are to be positioned below the rollers
- For all materials and surfaces
- Rollers available in POM BK

Dimensions

w	20 (0.79)	Roller cut out width (roller width 19 mm (0.75 in))
h_s	2 (0.08)	Height of rollers above surface
d_{rol}	20 (0.79)	Roller diameter
a	30 (1.2)	Minimum indent
b	100 (3.9)	Standard distance between rollers across belt width
b_{inc}	10 (0.39)	Roller distance increment
s	50 (2.0)	Standard roller spacing in travel direction (every pitch)
n_{rol}	Number of rollers across belt width	
W_B	Belt width	

Allowable belt pull

To determine admissible belt pull calculate effective belt width $W_{B,ef}$ by

$$W_{B,ef} = W_B - (w \times n_{rol})$$

Example:

$$W_B = 200 \text{ mm (7.87 in); } A = 20 \text{ mm (0.79 in); } l = 2$$

$$W_{B,ef} = 200 - (2 \times 20) = 160 \text{ mm}$$

$$W_{B,ef} = 7.87 - (2 \times 0.79) = 6.29 \text{ in}$$

Note sprocket must not be placed inline with rollers.

Coefficient of friction between belt and conveyed product in accumulation mode $\mu_{acc} = 0.04$, i.e. the accumulation pressure is approx. 4% of the weight of the backed up product.

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		BL Blue	
Percentage open area		CM Center module		PBT Polybutylentere-phthalate		BG Beige	
Format: xx		SML Side module, left		PE Polyethylene		BK Black	
E.g. 20 = 20 %		SMR Side module, right		PE-MD PE metal detectable		DB Dark blue	
For sprockets: number of teeth		SMU Side module, universal/both sides		POM Polyoxymethylene (Polyacetal)		GN Green	
Format: "Z"xx		UM Universal module		POM-CR POM cut resistant		LB Light blue	
E.g. Z12 = 12 teeth		PMC Profile module center		POM-HC POM highly conductive		LG Light gray	
③ Surface pattern		PMU Profile module universal		POM-MD POM metal detectable		OR Orange	
BSL Base module for slider		PMU lxx Profile module universal with indent xx = indent in mm		PP Polypropylene		RE Red	
CTP Cone top		CLP Clip		PXX-HC Self-extinguishing highly conductive material		TR Transparent	
FLT Flat top (smooth)		IDL Idler		POM-PE POM side modules + PE center modules		TQ Turquoise	
FRT(X) Friction top (Design X)		RI High Grip insert		POM-PP POM side modules + PP center modules		UC Uncolored	
FRT-OG FRT without High Grip insert		SG Module with sideguard		R1 TPE 80 Shore A, PP		WT White	
GRT Grid top		PIN Coupling rod		R2 EPDM 80 Shore A, vulcanized		YL Yellow	
LRB Lateral rib		FPL Finger plate		R3 TPE 70 Shore A, PP		⑧ Height/Diameter/ Bore size and style	
MOD Modified module shape		SLI Slider		R4 TPE 86 Shore A, PP		Height in mm	
NCL No cling		SPR Sprocket		R5 TPE 52 Shore A, PP		Format: Hxxx	
NPY Negative pyramid		RTR Retaining ring		R6 TPE 63 Shore A, POM		Pin diameter in mm	
NSK Non skid		TPL Turning panel, left		R7 TPE 50 Shore A, PP		Format: Dxxx	
NTP Nub top (round studs)		TPR Turning panel, right		R8 TPE 55 Shore A, PE		Bore size: SQ (= square) or RD (= round)	
RAT Radius top		CW Clockwise		SER Self-extinguishing TPE		either in mm or inches	
RSA Reduced surface area		CCW Counterclockwise		SS Stainless steel		Format: SQxxMM or RDxxIN	
RTP Roller top		⑤ Style		TPC1 Thermoplastic Copolyester		⑨ Length/Width	
RRB Raised rib		BT Bearing tap		-HA Supports the HACCP concept		Pins Length in mm	
SRS Slip-resistant surface		G Guided		-HW High Wear resistant material		Format: Lxxx	
		GT Guiding tabs				Module width in mm	
		RG Reversed guided				Format: Wxxx	
		SG Side guard					
		ST Strong (S5)					
		DR Double row sprocket					
		SP Split sprocket					
		F1, F2, F3 ... Collapse factor modules					
		HD Hold Down					

* 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