

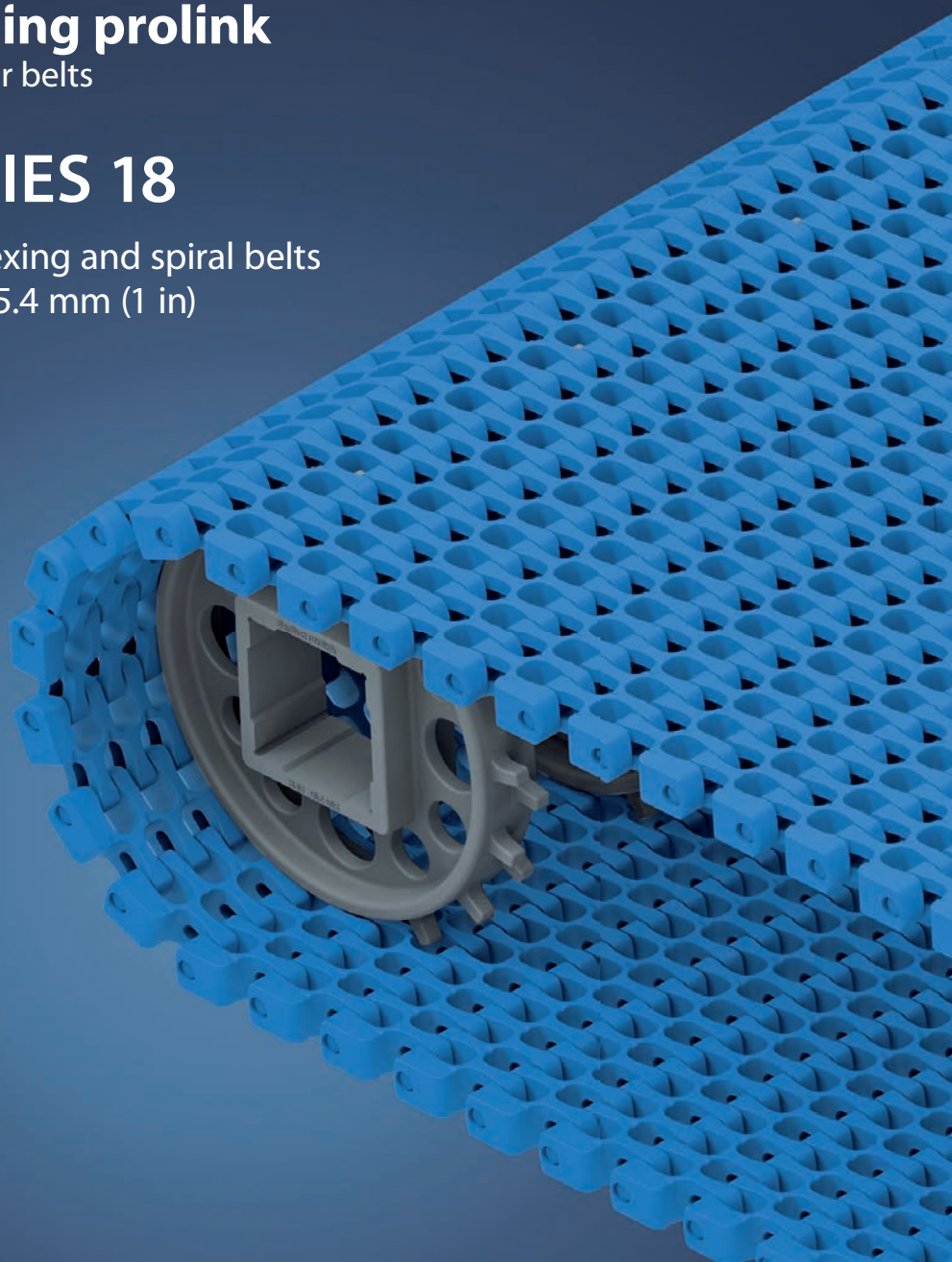
EXCERPT FROM PROLINK ENGINEERING MANUAL

01/24 (Ref-No. 888)

siegling prolink
modular belts

SERIES 18

Side flexing and spiral 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_S18

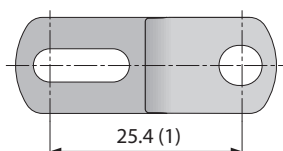
SERIES 18 | OVERVIEW

siegling prolink
modular belts

Side flexing and spiral belts | Pitch 25.4 mm (1 in)

Belts for light to medium-duty food and non-food applications

Side view scale 1:1



Design characteristics

- All plastic light weight belt suitable for both straight and radius conveying
- 44% open area for excellent air circulation and drainage
- Narrow grid structure of the belt ensures secure handling of even small products
- High curve belt pull capacity offering improved capacity and reliability
- Easy to clean and suitable for conveying of food including direct food contact
- Superior lateral stiffness and rigidity for an all plastic belt

Basic data

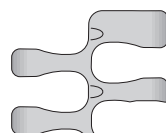
Pitch	25.4 mm (1 in)
Belt width min.	149.4 mm (5.88 in)
Belt width max.	1219 mm (48 in)
Width increments	12.7 mm (0.5 in)
Hinge pins	4.2 mm (0.17 in) made of plastic (PLX, PP). One-piece up to a belt width of 1219 mm (48 in).

Sprockets

in different sizes with round or square bore

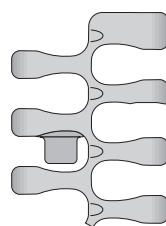


Available surface pattern and opening area



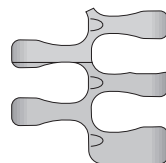
S18-44 GRT 2.2

Open (44%), lattice-shaped surface



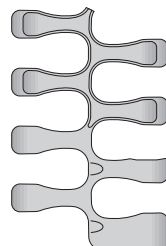
S18-44 GRT 2.2 G

Open (44%), lattice-shaped surface and Hold Down Tabs



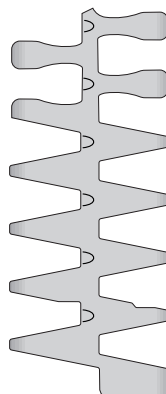
S18-44 HDK 2.2

Open (44%), lattice-shaped surface and High Deck



S18-44 FRT1 2.2

Open (44%), surface with friction top



S18-44 GRT 1.7

Open (44%), lattice-shaped surface

S18-44 GRT 2.2/1.7 CW S18-44 GRT 1.7/2.2 CCW

Open (44%), lattice-shaped surface
CW = Clockwise (right hand curve)
CCW = Counter Clockwise (left hand curve)
(picture shows CCW)



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Sydney/NSW (Australia), Pinghu (China), Shizuoka (Japan),
Tlalnepantla (Mexico)

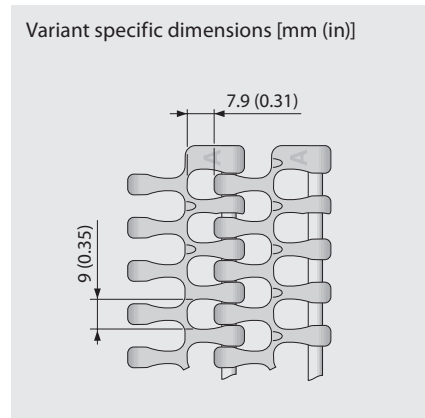
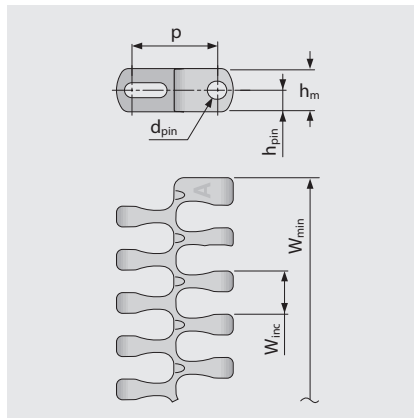
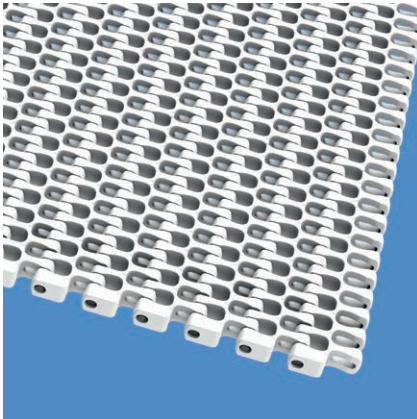
SERIES 18 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 2.2$

S18-44 GRT 2.2 | 44 % Opening | Grid top

Open area (44%) for excellent air circulation and drainage | 42% contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface | Collapse factor (C_c) = 2.2



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	4.2	12.7	6.4	0.0	149.4	12.7	±0.2	2.2 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.0	5.88	0.5	±0.2	2.2 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●

Mold to order belts

PA*	BL	PLX	BL	25	1713	1500	337	6.9	1.41	0.85	-40/120	-40/248	●	●
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* 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), □ 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

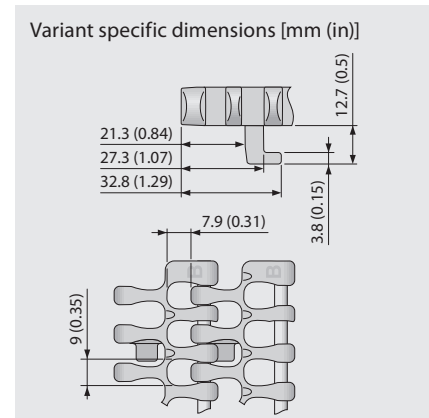
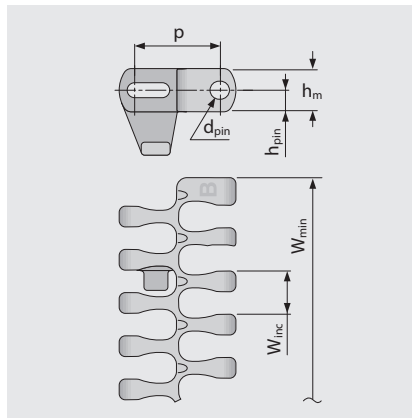
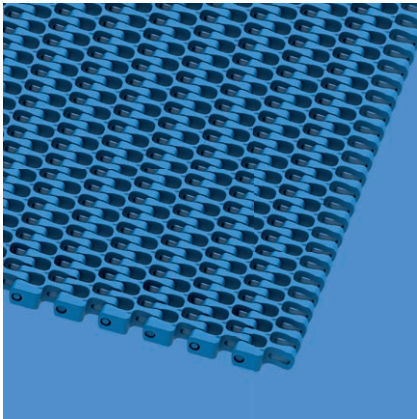
SERIES 18 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 2.2$

S18-44 GRT 2.2 G | 44 % Opening | Grid top · guided

Open area (44%) for excellent air circulation and drainage | 42% contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface and Hold Down Tabs | Allows utilization of the entire belt width | Collapse factor (C_c) = 2.2



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	4.2	12.7	6.4	0.0	149.4	12.7	±0.2	2.2 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.0	5.88	0.5	±0.2	2.2 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve**		Weight		Width deviation	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●

Mold to order belts														
PA*	BL	PLX	BL	25	1713	1500	337	6.9	1.41	0.85	-40/120	-40/248	●	●

* 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.

** will be reduced by G-tab guiding (see chapter 3.3 conveyor layouts)

■ 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.

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
Attention: Restrictions on sprocket size and corresponding shaft options – please check sprocket data sheet

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

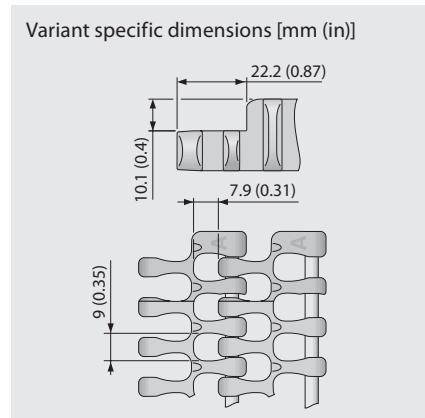
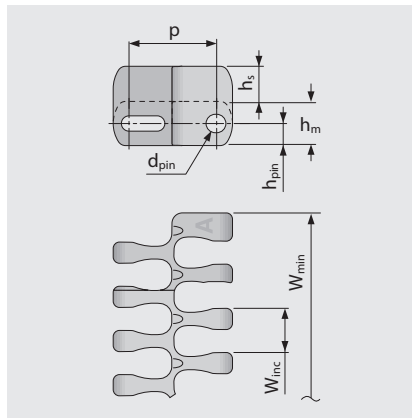
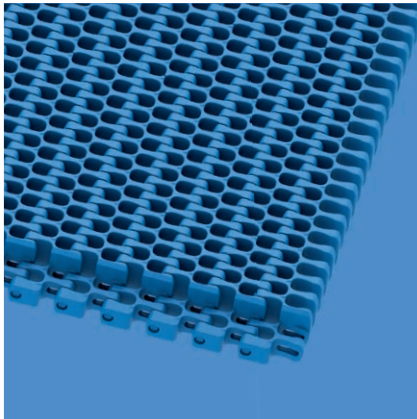
SERIES 18 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 2.2$

S18-44 HDK 2.2 | 44% Opening | High Deck

Open area (44%) for excellent air circulation and drainage | 42% contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface | Collapse factor (C_c) = 2.2 | Allows utilization of the entire belt width and beyond



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	4.2	12.7	6.4	10.1	149.4	12.7	±0.2	2.2 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.4	5.88	0.5	±0.2	2.2 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation [%]	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]		[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	30	2056	1600	360	15.5	3.17	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	15.5	3.17	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	10.3	2.11	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	10.3	2.11	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	800	180	10.2	2.09	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	800	180	10.2	2.09	0.5	5/100	41/212	●	●
PA*	BL	PLX	BL	25	1713	1500	337	12.6	2.58	0.85	-40/120	-40/248	●	●

* 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), □ 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

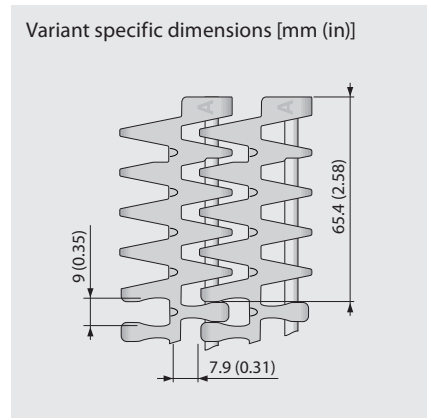
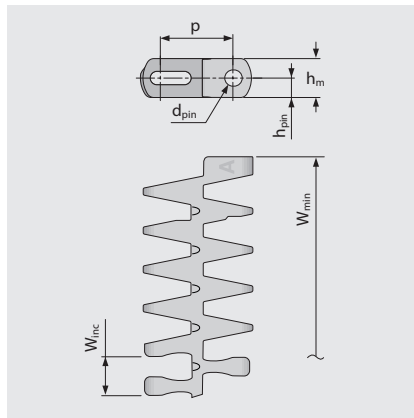
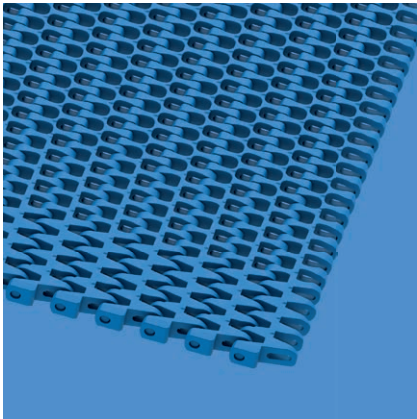
SERIES 18 | BELT TYPES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 1.7$

S18-44 GRT 1.7 | 44 % Opening | Grid top

Open area (44%) for excellent air circulation and drainage | 42% contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface | Collapse factor (C_c) = 1.7



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	4.2	12.7	6.4	0.0	174.8	12.7	±0.2	1.7 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.0	6.88	0.5	±0.2	1.7 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, belt width curve < 403 mm (15.88 in)		Nominal belt pull, belt width curve ≥ 403 mm (15.88 in)		Weight		Width deviation	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	25	1713	700	157	900	202	8.4	1.72	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	25	1713	700	157	900	202	8.4	1.72	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	400	90	700	157	5.8	1.19	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	400	90	700	157	5.8	1.19	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	400	90	600	135	5.5	1.13	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	400	90	600	135	5.5	1.13	0.5	5/100	41/212	●	●

■ 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.

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

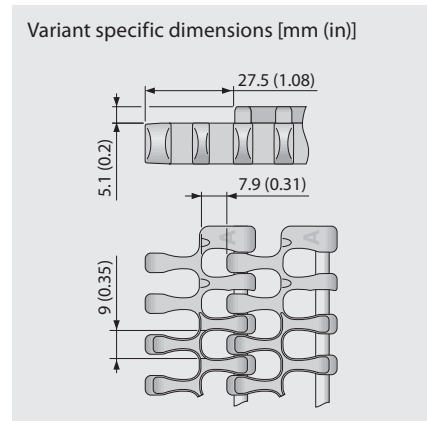
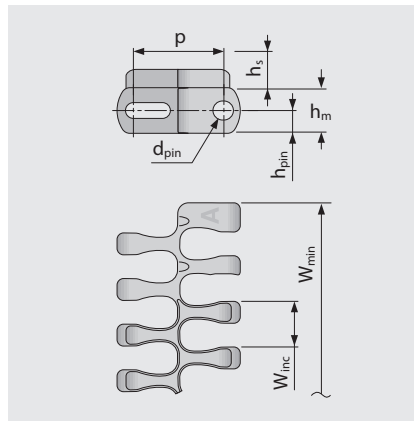
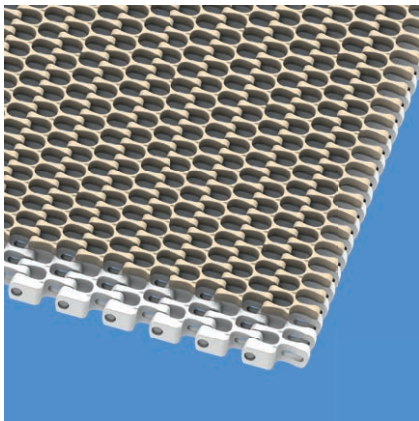
SERIES 18 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 2.2$

S18-44 FRT1 2.2 | 44 % Opening | Friction top (Design 1)

Open area (44%) with integrated friction pads (FRT1) for high grip | 42% contact area (Largest opening: 9 x 7.9 mm / 0.35 x 0.31 in) | Standard version without FRT-pads on belt edge (27.5 mm/1.08 in indent) | Collapse factor (C_c) = 2.2



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	4.2	12.7	6.4	5.1	149.4	12.7	±0.2	2.2 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.20	5.88	0.5	±0.2	2.2 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates ²⁾	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA	EU
PP	BL	PLX	BL	R7	BL	18	1233	1000	225	8.80	1.80	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	R7	BG	18	1233	1000	225	8.80	1.80	0.5	5/100	41/212	●	●
PP	BL	PP	WT	R7	BL	16	1096	600	135	8.60	1.76	0.5	5/100	41/212	●	●
PP	WT	PP	WT	R7	BG	16	1096	600	135	8.60	1.76	0.5	5/100	41/212	●	●

■ BG (Beige), ■ 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.

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

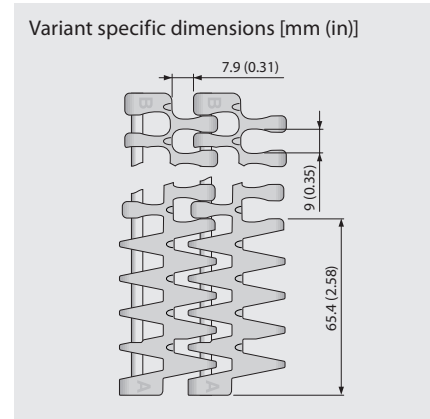
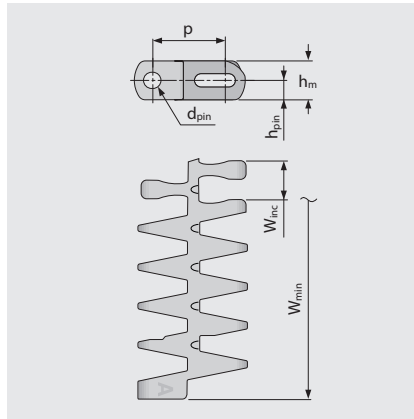
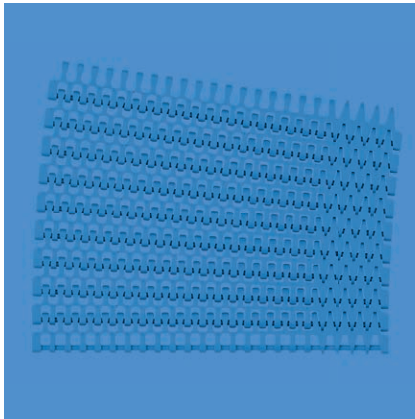
S18 COMBO | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 1.7$

S18-44 GRT 2.2/1.7 CW | 44 % Opening | Grid top | Clockwise or right hand curve

Combination of high belt pull capacity and small radii in one directional curve layouts | Open area (44 %) for excellent air circulation and drainage | 42 % contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface | Collapse factor (C_c) = 1.7



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	4.2	12.7	6.4	0.0	149.4	12.7	±0.2	1.7 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.0	5.88	0.5	±0.2	1.7 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation [%]	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]		[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●

■ 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.

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

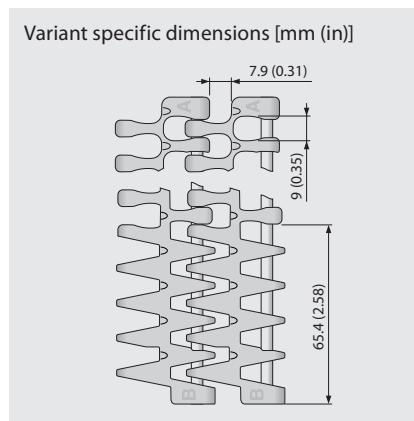
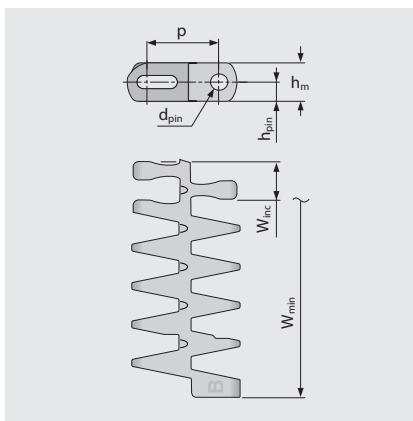
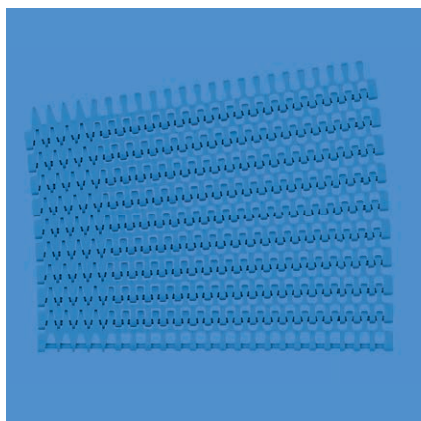
S18 COMBO | BELT TYPES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in) | $C_c = 1.7$

S18-44 GRT 1.7/2.2 CCW | 44% Opening | Grid top | Counter clockwise or left hand curve

Combination of high belt pull capacity and small radii in one directional curve layouts | Open area (44%) for excellent air circulation and drainage | 42% contact area (Largest opening: 9 x 7.9 mm/0.35 x 0.31 in) | Lattice-shape surface | Collapse factor (C_c) = 1.7



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	4.2	12.7	6.4	0.0	149.4	12.7	±0.2	1.7 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.0	5.88	0.5	±0.2	1.7 x W _B	1.0	2.0	3.0	1.0

W_B = Belt width, further information regarding r1 see page III-20

Available standard materials³⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates ²⁾	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA	EU
POM-CR	BL	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	8.4	1.72	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	5.8	1.19	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	600	135	5.5	1.13	0.5	5/100	41/212	●	●

■ 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.

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

³⁾ More materials and colors on request



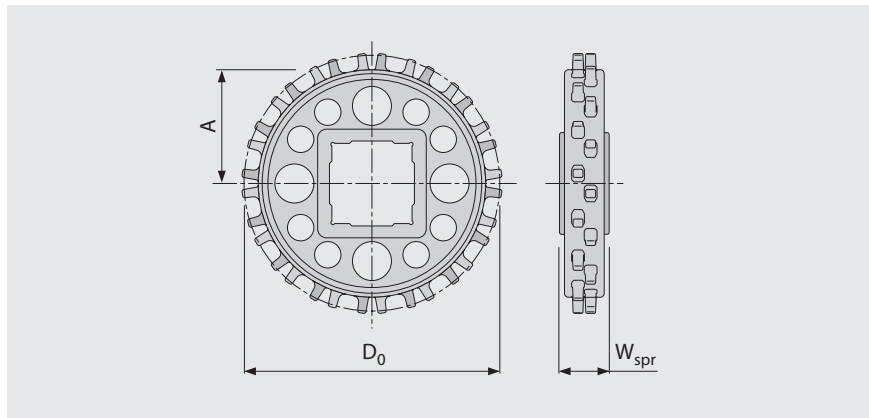
MOVEMENT SYSTEMS

SERIES 18 | SPROCKETS

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25.4 mm (1 in)

S18 SPR | Sprockets



Main dimensions

Sprocket size (Number of teeth)		Z6	Z9	Z12	Z16	Z20
W _{spr}	mm	20.0	25.0	25.0	25.0	25.0
	inch	0.79	0.98	0.98	0.98	0.98
D ₀	mm	50.6	74.1	97.9	129.9	162.0
	inch	1.99	2.92	3.85	5.11	6.38
A _{max}	mm	19.2	30.9	42.8	58.8	75.0
	inch	0.76	1.22	1.69	2.31	2.95
A _{min}	mm	16.6	29.0	41.3	57.7	74.1
	inch	0.65	1.14	1.63	2.27	2.92

Shaft bores (● = Round, ■ = Square; ○/□ = not possible with G tab belts)

20	mm	○				
25	mm		●/■	●	●	●
30	mm			●	●	●
40	mm			●/■	●/■	●/■
0.75	inch	○				
1	inch		●/■	●	●	●
1.25	inch			●	●	●
1.5	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

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.