

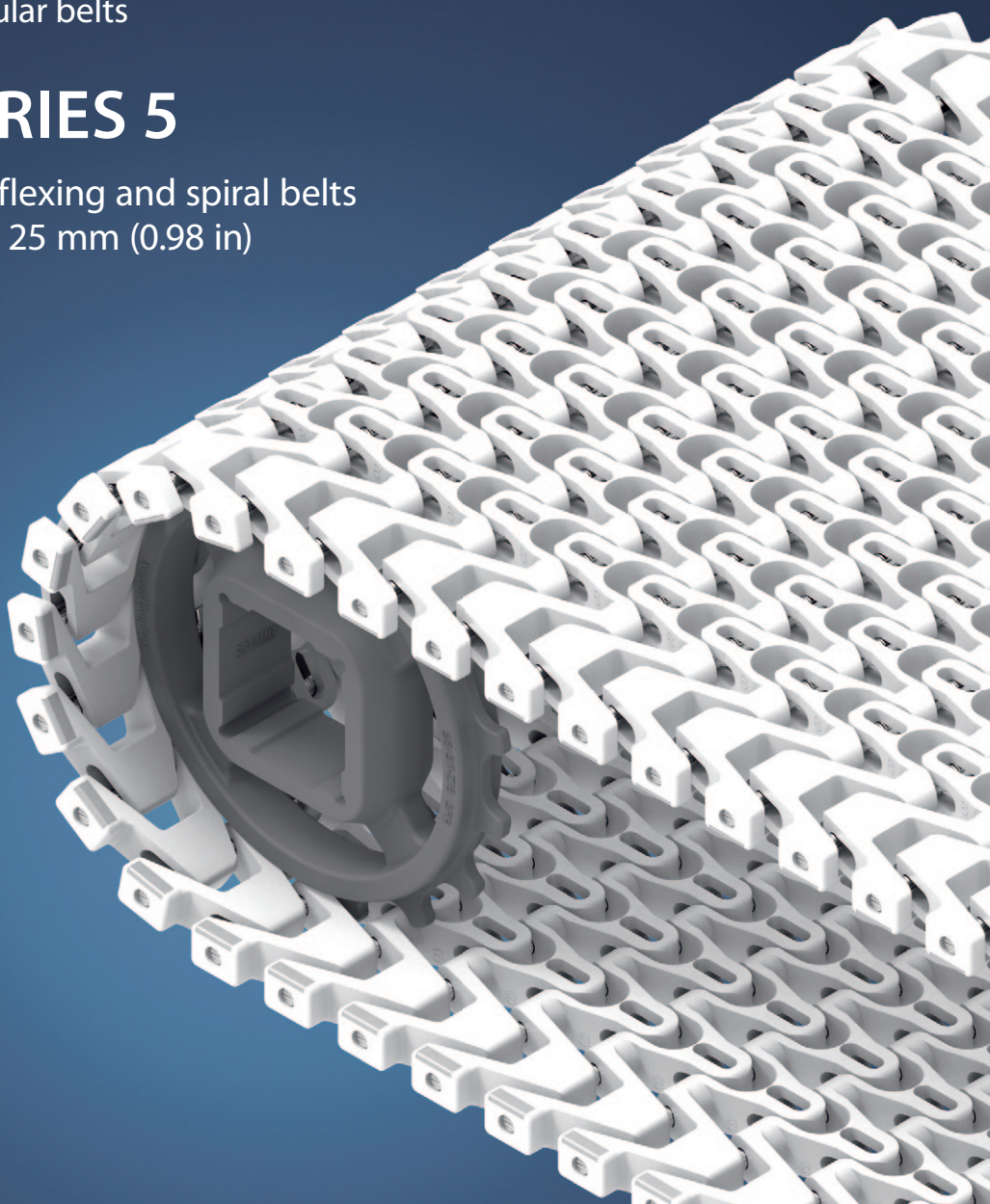
EXCERPT FROM PROLINK ENGINEERING MANUAL

05/19 (Ref-No. 888)

siegling prolink
modular belts

SERIES 5

Side flexing and spiral belts
Pitch 25 mm (0.98 in)



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Ref. no. 888-2_1.2_S5

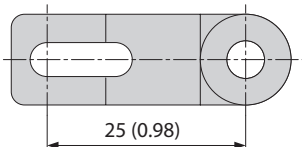
SERIES 5 | OVERVIEW

siegling prolink
modular belts

Side flexing and spiral belts | Pitch 25 mm (0.98 in)

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

Side view scale 1:1



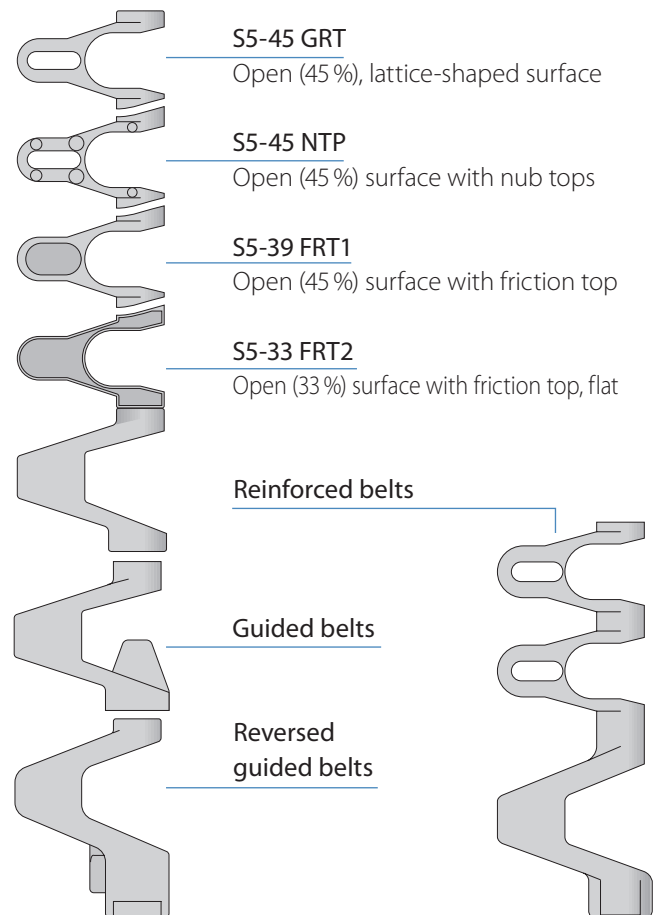
Design characteristics

- Suitable for both straight and radius conveying
- up to 45 % open area for excellent air circulation and drainage
- Stainless steel hinge pins for high load capacity, lateral stiffness, fewer belt supports and minimum belt lifting in curves
- No potential belt edge catch points due to safe fixing of hinge pins

Basic data

Pitch	25 mm (0.98)
Belt width min.	100 mm (3.9 in), 175 mm (6.9 in) for S5 ST
Width increments	25 mm (0.98)
Hinge pins	Stainless steel

Available surface pattern and opening area



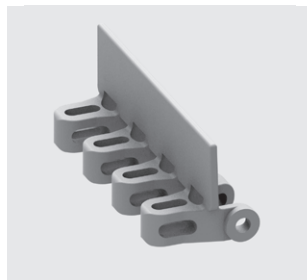
Sprockets

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



Ball-bearing modules

to minimize friction forces at the belt edge



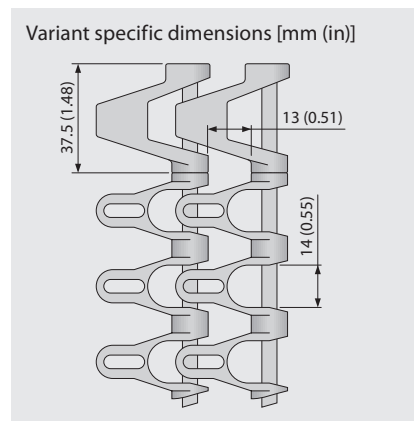
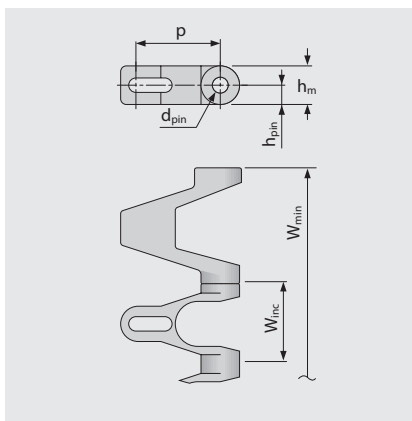
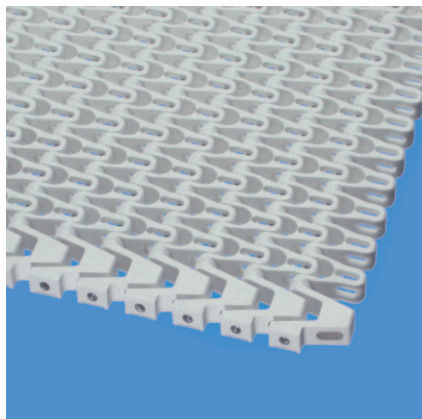
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 GRT | 45 % Opening | Grid top

Open area (45 %) for excellent air circulation and drainage | Contact area 42 % (Largest opening: 14 x 13 mm/0.55 x 0.51 in) | Lattice shaped 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	25.0	5.0	12.0	6.0	0.0	100.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.0	3.94	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PE	WT/DB	SS		10	685	NR	NR	11.0	2.25	0.0	-70/65	-94/149	●	●
PP	WT/DB/BL	SS		18	1233	1000	225	10.0	2.05	0.0	5/100	41/212	●	●
POM-CR	WT/DB/BL	SS		25	1713	1800	405	13.0	2.66	0.0	-45/90	-49/194	●	●

Mold to order belts

PA*	BL	SS		20	1370	1440	324	12.8	2.62	0.0	-40/120	-40/248	●	●
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NR = not recommended

* 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), ■ DB (Dark 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

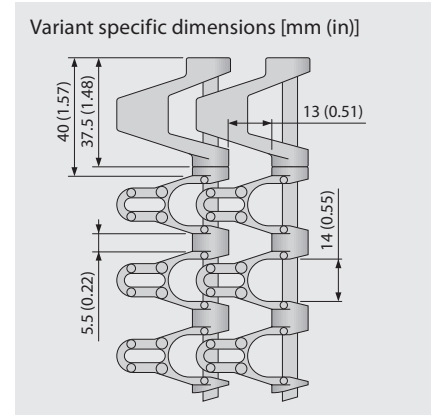
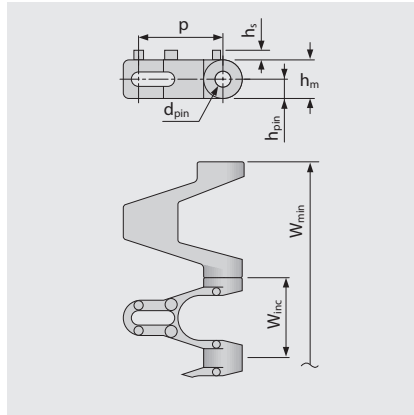
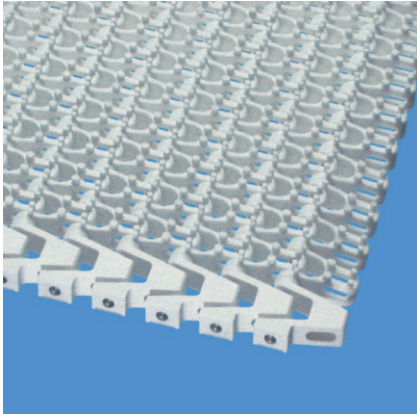
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 NTP | 45 % Opening | Nub top (round studs)

Open area (45 %) for excellent air circulation and drainage | Lattice shaped surface with 3.0 mm (0.12 in) high round studs and 8 % contact area | Side modules without NTP-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	25.0	5.0	12.0	6.0	3.0	100.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.12	3.94	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		18	1233	1000	225	10.1	2.07	0.0	5/100	41/212	●	●
POM-CR	WT	SS		25	1713	1800	405	13.1	2.68	0.0	-45/90	-49/194	●	●

Mold to order belts

PE	WT	SS		10	685	NR	NR	11.2	2.29	0.0	-70/65	-94/149	●	●
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NR = not recommended

☐ 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

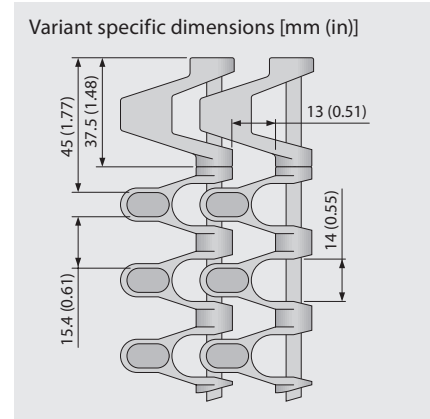
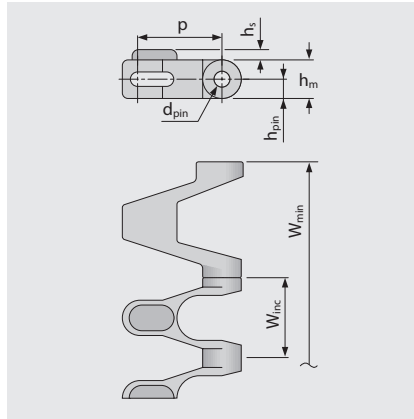
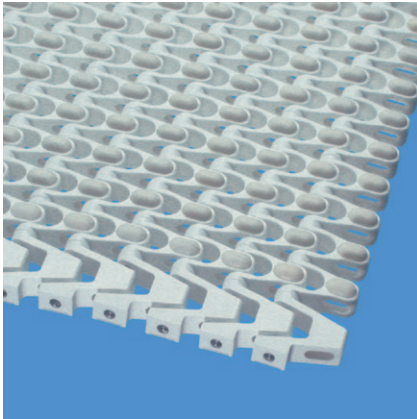
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-39 FRT1 | 39% Opening | Friction top (Design 1)

Excellent air circulation and drainage | Integrated friction pads (raised) increase surface friction and provide gentle grip | Contact area 8% | Side modules without FRT-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	25.0	5.0	12.0	6.0	3.2	100.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.13	3.94	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		R4	BG	18	1233	1000	225	10.2	2.09	0.0	5/100	41/212	●	●

■ BG (Beige), □ 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

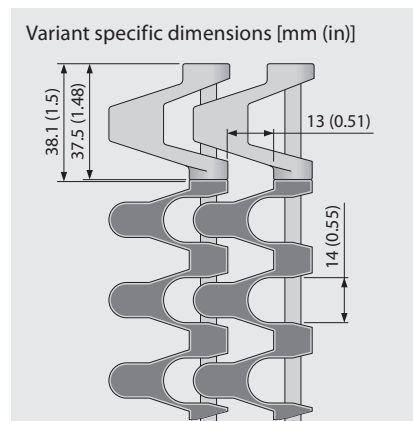
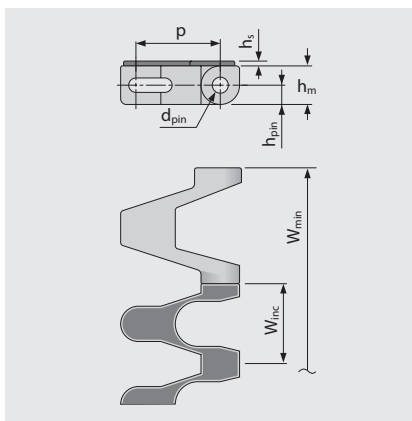
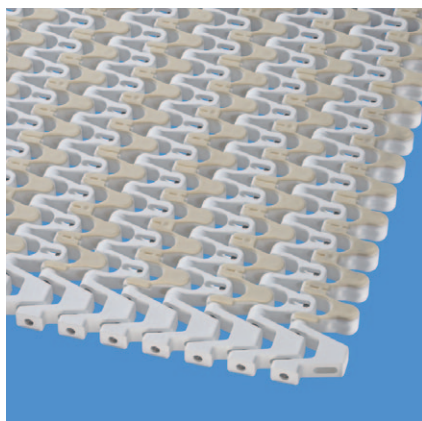
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-33 FRT2 | 33 % Opening | Friction top (Design 2)

Open area (33 % for full FRT2 surface area) for excellent air circulation and drainage | Integrated friction pads (flat) provide gentle grip | Contact area 47 % | Side modules without FRT-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	25.0	5.0	12.0	6.0	1.5	100.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.06	3.94	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		R7	BG	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●
PP	BL	SS		R7	BG	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●
PP	BL	SS		R7	BK	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●

■ BG (Beige), ■ BK (Black), ■ 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⁾ 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

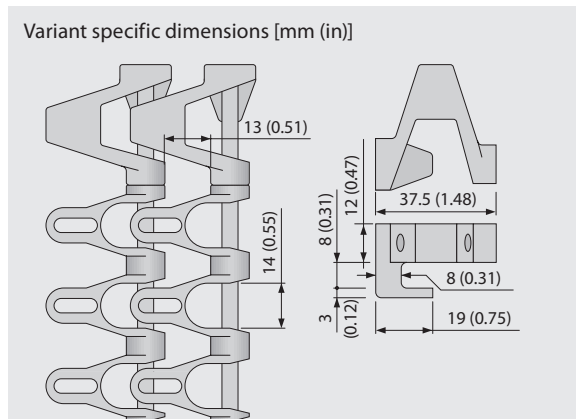
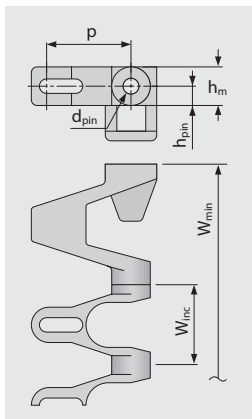
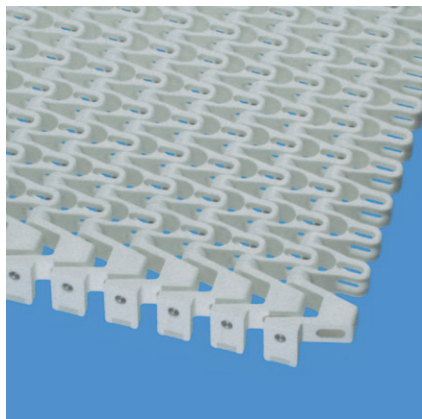
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 GRT G | 45 % Opening | Grid top · guided

Excellent air circulation and drainage | Contact area 42 % (Largest opening: 14 x 13 mm/0.55 x 0.51 in) | Lattice shaped surface and Hold Down Tabs | Allows utilisation of the entire belt width



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	25.0	5.0	12.0	6.0	0.0	100.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.0	3.94	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR	WT	SS		25	1713	1800	405	13.0	2.66	0.0	-45/90	-49/194	●	●
POM-CR	BL	SS		25	1713	1800	405	13.0	2.66	0.0	-45/90	-49/194	●	●
POM-CR	DB	SS		25	1713	1800	405	13.0	2.66	0.0	-45/90	-49/194	●	●
PP	WT	SS		18	1233	1000	225	10.0	2.05	0.0	5/100	41/212	●	●

Mold to order belts

PE	WT	SS		10	685	NR	NR	11.0	2.25	0.0	-70/65	-94/149	●	●
PA*	BL	SS		20	1370	1440	324	12.8	2.62	0.0	-40/120	-40/248	●	●

NR = not recommended

* 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), ■ DB (Dark 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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⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

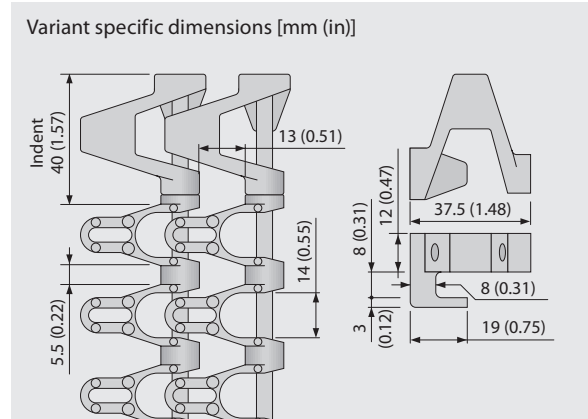
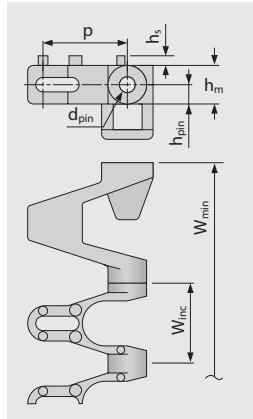
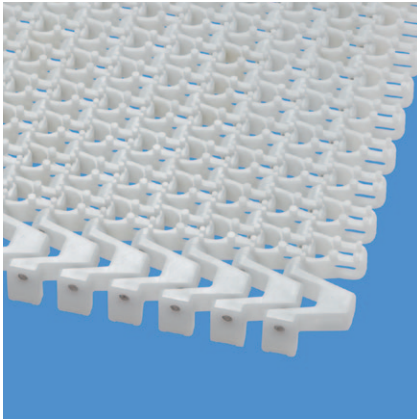
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 NTP G | 45 % Opening | Nub top (round studs) · guided

Open area (45 %) for excellent air circulation and drainage | Lattice shaped surface with 3.0 mm (0.12 in) high round studs
and 8 % contact area | Side modules without NTP-surface | Allows utilisation of the entire belt width



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	25.0	5.0	12.0	6.0	3.0	100.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.12	3.94	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR	WT	SS		25	1713	1800	405	13.2	2.70	0.0	-45/90	-49/194	●	●
PP	WT	SS		18	1233	1000	225	10.2	2.09	0.0	5/100	41/212	●	●

□ 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

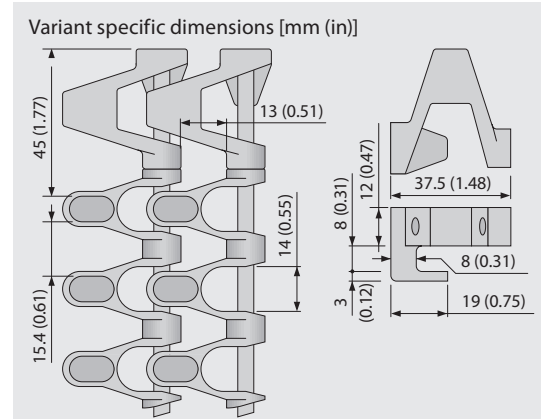
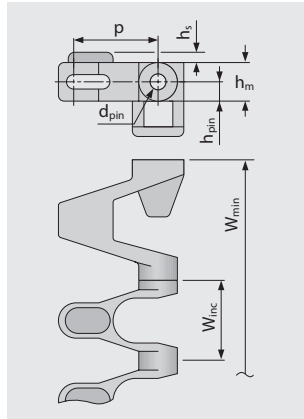
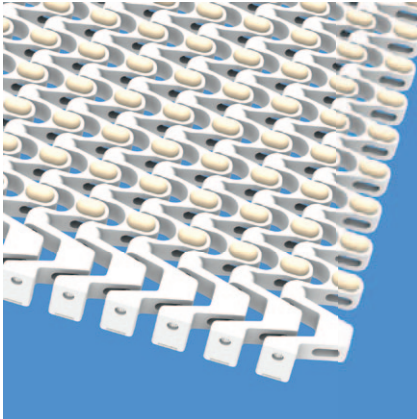
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-39 FRT1 G | 39% Opening | Friction top (Design 1)

Excellent air circulation and drainage | Integrated friction pads (raised) increase surface friction and provide gentle grip | Allows utilisation of the entire belt width | Side modules without FRT-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	25.0	5.0	12.0	6.0	3.2	100.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.13	3.94	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		R4	BG	18	1233	1000	225	10.2	2.09	0.0	5/100	41/212	●	●

■ BG (Beige), □ 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

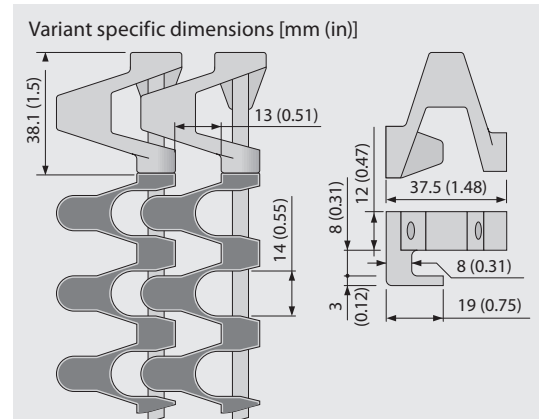
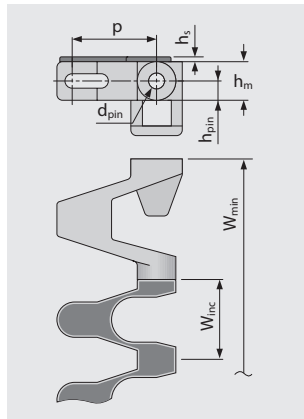
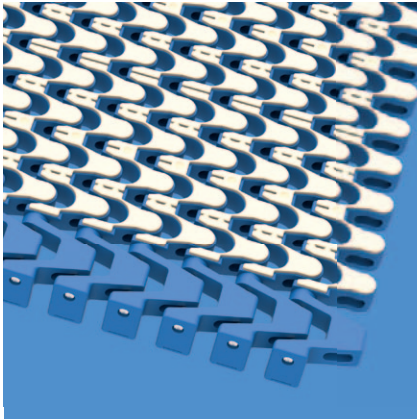
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-33 FRT2 G | 33 % Opening | Friction top (Design 2)

Open area (33 % for full FRT2 surface area) for excellent air circulation and drainage | Contact area 47 % | Integrated friction pads (flat) provide gentle grip | Allows utilisation of the entire belt width | Side modules without FRT-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	25.0	5.0	12.0	6.0	1.5	100.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.06	3.94	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		R7	BG	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●
PP	BL	SS		R7	BG	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●
PP	BL	SS		R7	BK	18	1233	1000	225	11.4	2.33	0.0	5/100	41/212	●	●

■ BG (Beige), ■ BK (Black), ■ 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

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

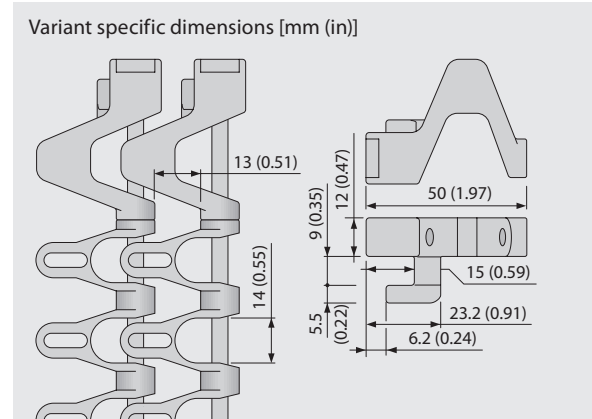
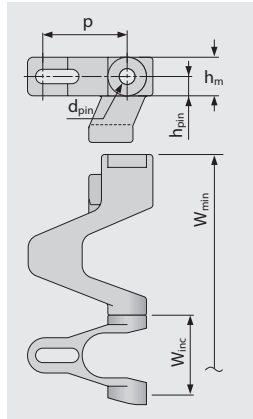
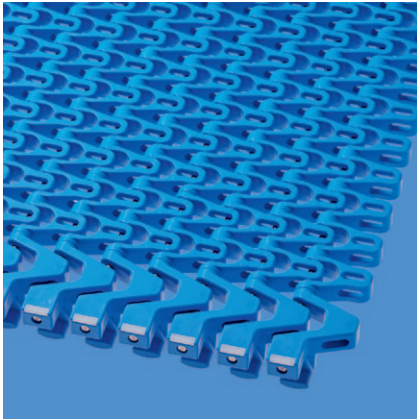
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 GRT RG | 45 % Opening | Grid top · reverse guided

Excellent air circulation and drainage | Lattice shaped surface and reversed Hold Down Tabs | Contact area 42 % (Largest opening: 14 x 13 mm/0.55 x 0.51 in) | Smooth surface | Allows utilisation of the entire belt width



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	25.0	5.0	12.0	6.0	0.0	125.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.0	4.92	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 500 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR	BL	SS		25	1713	2100	472	13.0	2.66	0.0	-45/90	-49/194	●	●

Mold to order belts

PE	WT	SS		10	685	NR	NR	11.0	2.25	0.0	-70/65	-94/149	●	●
PP	WT	SS		18	1233	1200	270	10.0	2.05	0.0	5/100	41/212	●	●

NR = not recommended

■ 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

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

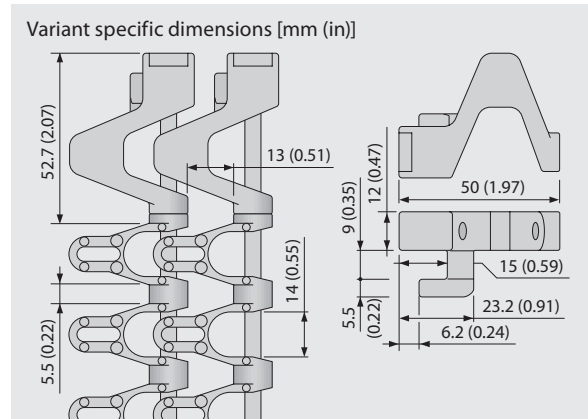
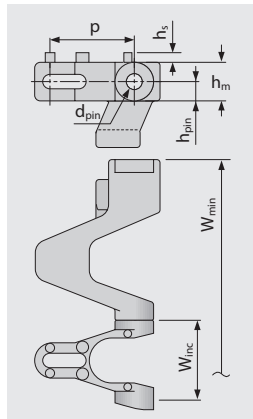
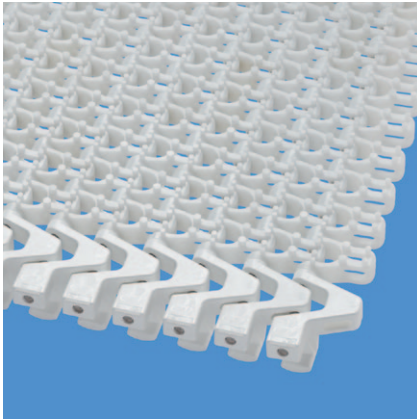
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 NTP RG | 45 % Opening | Nub top (round studs) · reverse guided

Excellent air circulation and drainage | With round studs for increased grip (8% contact area) | Allows utilisation of the entire belt width | Side modules only available without NTP-pattern



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	25.0	5.0	12.0	6.0	3.0	125.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.12	4.92	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 500 mm. Please see page III-19

Mold to order belts⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR	WT	SS		25	1713	2100	472	13.2	2.7	0.0	-45/90	-49/194	●	●

□ 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

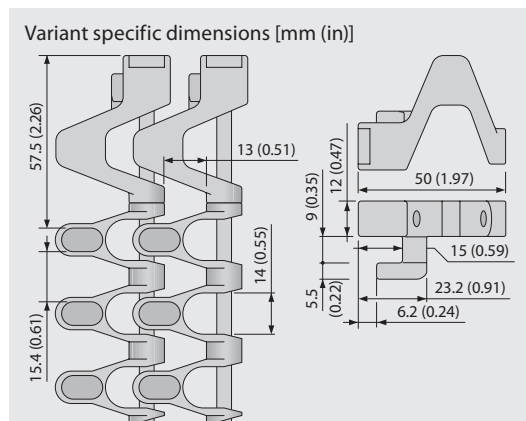
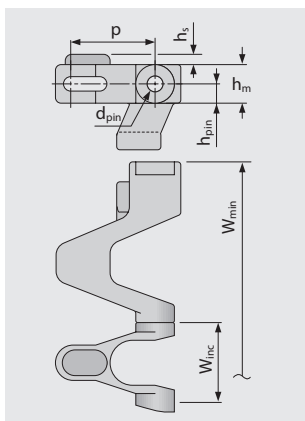
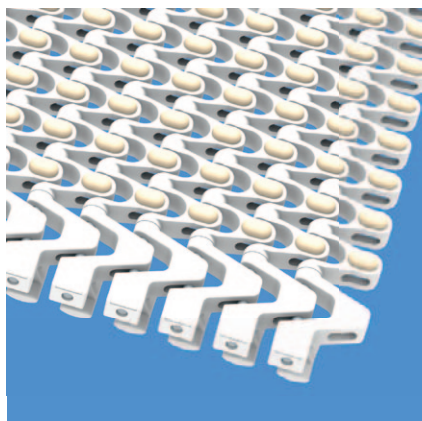
SERIES 5 | BELT TYPES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-39 FRT1 RG | 39% Opening | Friction top (Design 1)

Excellent air circulation and drainage | Integrated friction pads (raised) increase surface friction and provide gentle grip | Allows utilisation of the entire belt width | Side modules without FRT-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	25.0	5.0	12.0	6.0	3.2	125.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.13	4.92	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 500 mm. Please see page III-19

Mold to order belts⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR-PP	WT	SS		R4	BG	18	1233	2100	472	10.2	2.09	0.0	-45/90	-49/194	●	●

■ BG (Beige), □ 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

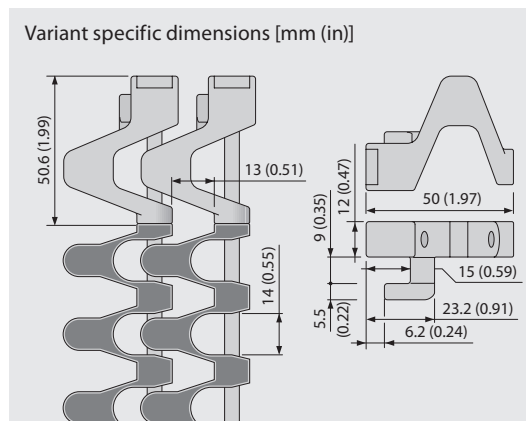
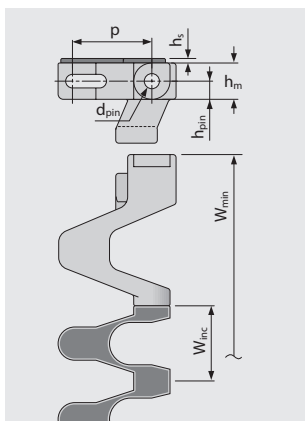
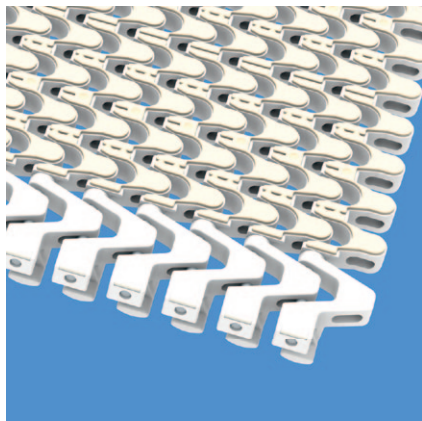
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-33 FRT2 RG | 33 % Opening | Friction top (Design 2)

Open area (33 % for full FRT2 surface area) for excellent air circulation and drainage | Contact area 47 % | Integrated friction pads (flat) provide gentle grip | Allows utilisation of the entire belt width | Side modules without FRT-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	25.0	5.0	12.0	6.0	1.5	125.0	25.0	±0.3	2 x W _B	50.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.06	4.92	0.98	±0.3	2 x W _B	1.97	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 500 mm. Please see page III-19

Mold to order belts⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
POM-CR-PP	BL	SS		R7	BG	18	1233	2100	472	11.4	2.33	0.0	-45/90	-49/194	●	●
POM-CR-PP	WT	SS		R7	BG	18	1233	2100	472	11.4	2.33	0.0	-45/90	-49/194	●	●
POM-CR-PP	BL	SS		R7	BK	18	1233	2100	472	11.4	2.33	0.0	-45/90	-49/194	●	●

■ BG (Beige), ■ BK (Black), ■ 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

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

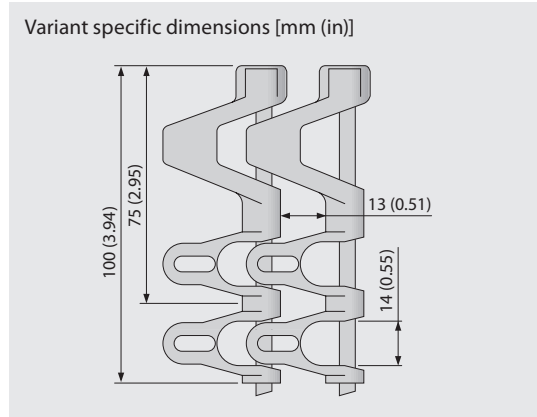
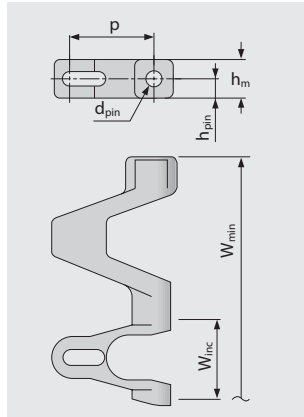
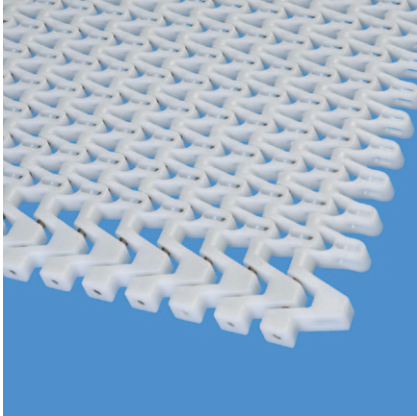
SERIES 5 | BELT TYPES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 GRT ST | 45 % Opening | Grid top · strong

Excellent air circulation and drainage | Lattice shaped surface | Version with reinforced brick-laid side modules (75 mm/2.9 in and 100 mm/3.9 in) increases belt pull capacity



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	25.0	5.0	12.0	6.0	0.0	175.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.0	6.89	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		18	1233	1200	270	10.2	2.09	0.0	5/100	41/212	●	●
PP	DB	SS		18	1233	1200	270	10.2	2.09	0.0	5/100	41/212	●	●
PP	BL	SS		18	1233	1200	270	10.2	2.09	0.0	5/100	41/212	●	●
POM-CR	WT	SS		25	1713	2100	472	13.2	2.7	0.0	-45/90	-49/194	●	●
POM-CR	DB	SS		25	1713	2100	472	13.2	2.7	0.0	-45/90	-49/194	●	●
POM-CR	BL	SS		25	1713	2100	472	13.2	2.7	0.0	-45/90	-49/194	●	●

Mold to order belts														
PE	WT	SS		10	685	NR	NR	11.1	2.27	0.0	-70/65	-94/149	●	●
PA*	BL	SS		20	1370	1680	378	13.0	2.66	0.0	-40/120	-40/248	●	●

NR = not recommended

* 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), ■ DB (Dark 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

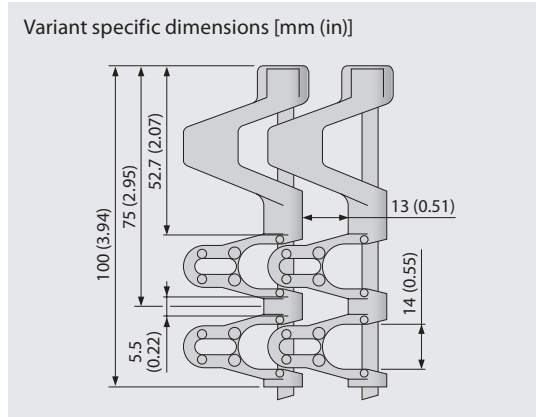
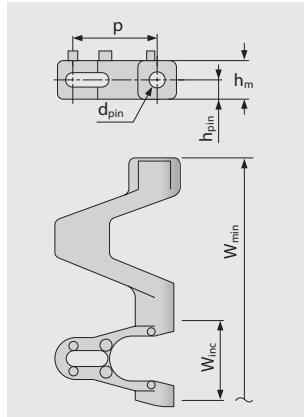
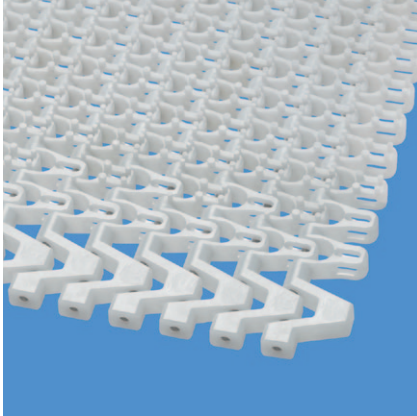
SERIES 5 | BELT TYPES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 NTP ST | 45 % Opening | Nub top (round studs) · strong

Excellent air circulation and drainage | With round studs for increased grip (8 % contact area) | Version with reinforced brick-laid side modules increases belt pull capacity | Side modules only available without NTP-pattern



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	25.0	5.0	12.0	6.0	3.0	175.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.12	6.89	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m²]	[lb/ft²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		18	1233	1200	270	10.2	2.09	0.0	5/100	41/212	●	●

□ 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

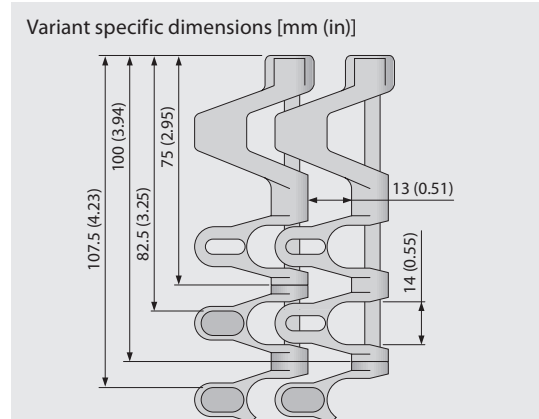
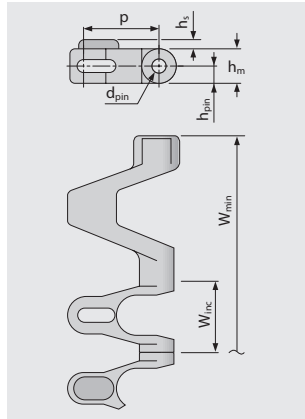
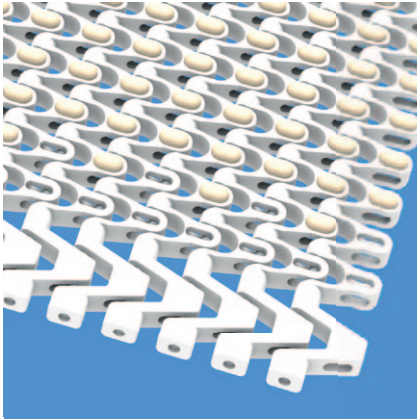
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-39 FRT1 ST | 39% Opening | Friction top (Design 1)

Excellent air circulation and drainage | Integrated friction pads (raised) increase surface friction and provide gentle grip | Reinforced side modules increase belt pull capacity | Side modules without FRT-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	25.0	5.0	12.0	6.0	3.2	175.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.13	6.89	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		R4	BG	18	1233	1200	270	10.2	2.09	0.0	5/100	41/212	●	●

■ BG (Beige), □ 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

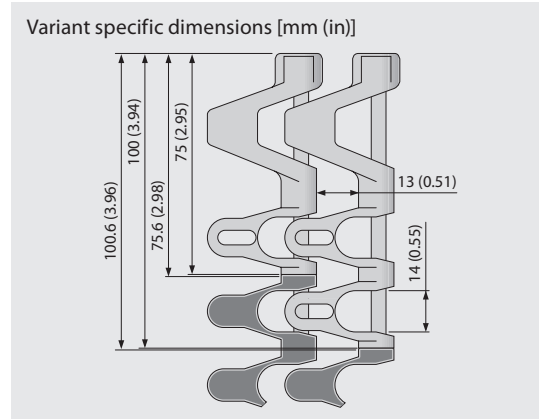
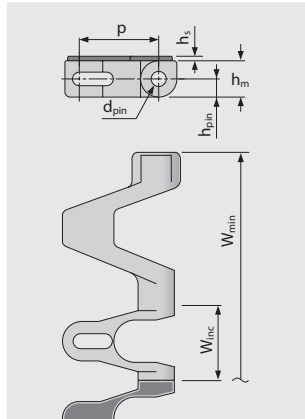
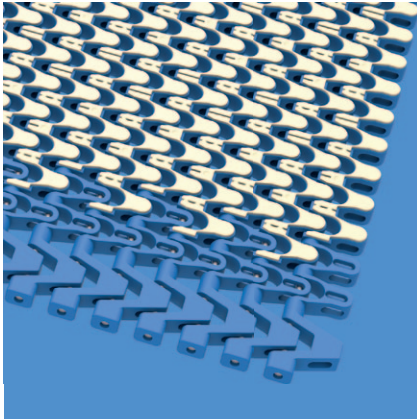
SERIES 5 | BELT TYPES

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-33 FRT2 ST | 33 % Opening | Friction top (Design 2) · strong

Open area (33 % for full FRT2 surface area) for excellent air circulation and drainage | Contact area 47 % | Lattice shaped surface | Version with reinforced brick-laid side modules increases belt pull capacity



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	25.0	5.0	12.0	6.0	1.5	175.0	25.0	±0.3	2 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.06	6.89	0.98	±0.3	2 x W _B	0.98	1.97	2.95	0.98

r1: Smaller factors apply for W_B < 300 mm. Please see page III-19

Available standard materials⁴⁾

Belt		Pin		Rubber		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	BL	SS		R7	BG	18	1233	1200	270	11.4	2.33	0.0	5/100	41/212	●	●
PP	WT	SS		R7	BG	18	1233	1200	270	11.4	2.33	0.0	5/100	41/212	●	●
PP	BL	SS		R7	BK	18	1233	1200	270	11.4	2.33	0.0	5/100	41/212	●	●

Comment: ST types combinable with standard center curve modules, NTP, FRT.

ST types not combinable with Guided (G), Side Guards (SG) or Bearing Tab (BT). Please contact us should you require small curve radii.

■ BG (Beige), □ 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

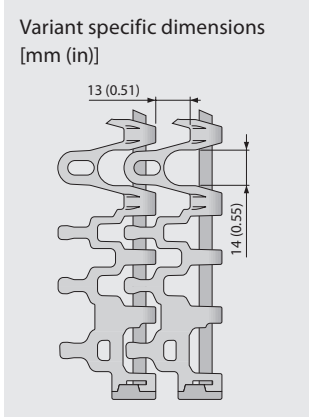
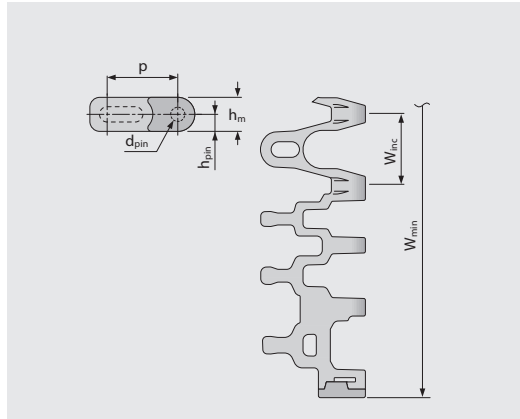
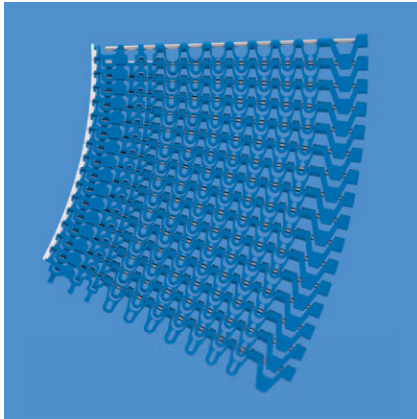
COMBO | BELT TYPES

siegling prolink
modular belts

Side flexing belt | Pitch 25 mm (0.98 in)

S5 ST/S11-45 GRT CW | 45 % Opening | Grid top | Clockwise or right hand curve

Combination of high belt pull capacity and small radii in one directional curve layouts | Excellent air circulation and drainage | 42 % contact area (Largest opening: 14 x 13 mm/0.55 x 0.51 in) | Lattice shaped surface | SS pins for high stiffness



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	25.0	5.0	12.0	6.0	0.0	175.0	25.0	±0.3	1.45 x W _B	25.0	50.0	75.0	25.0
inch	0.98	0.2	0.47	0.24	0.0	6.89	0.98	±0.3	1.45 x W _B	0.98	1.97	2.95	0.98

r1: Higher factor for W_B > 1000 mm of 1.55 applies

Available standard materials⁴⁾

Belt		Pin		Nominal belt pull, straight		Nominal belt pull, curve		Weight		Width deviation	Temperature		Certificates	
Material	Color	Material	Color	[N/mm]	[lb/ft]	[N]	[lb]	[kg/m ²]	[lb/ft ²]	[%]	[°C]	[°F]	FDA ²⁾	EU ³⁾
PP	WT	SS		18	1233	1200	270	10.2	2.09	0.2	5/100	41/212	●	●
PP	BL	SS		18	1233	1200	270	10.2	2.09	0.2	5/100	41/212	●	●
POM-CR	WT	SS		25	1713	2100	472	13.2	2.70	0.0	-45/90	-49/194	●	●
POM-CR	BL	SS		25	1713	2100	472	13.2	2.70	0.0	-45/90	-49/194	●	●
PA*	BL	SS		20	1370	1680	378	13.0	2.66	0.6	-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

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



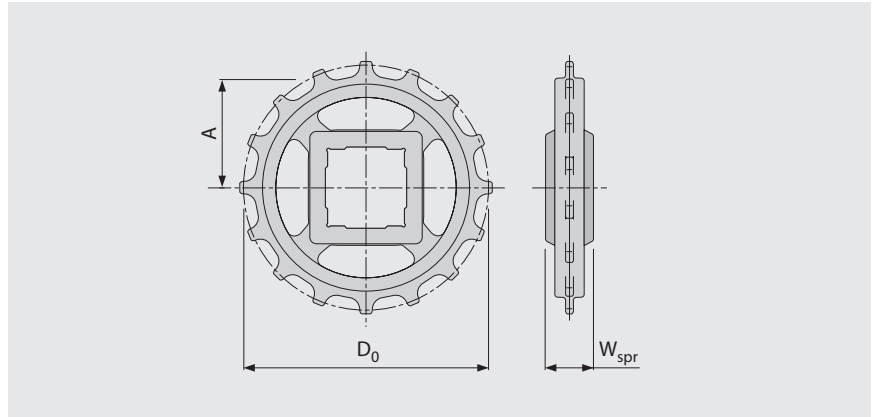
MOVEMENT SYSTEMS

SERIES 5 | SPROCKETS

siebling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5 SPR | Sprockets



Main dimensions

Sprocket size (Number of teeth)		Z6	Z9	Z11	Z12	Z16	Z18	Z20
W_{spr}	mm	24.0	24.0	24.0	24.0	24.0	24.0	24.0
	inch	0.94	0.94	0.94	0.94	0.94	0.94	0.94
D_0	mm	49.6	72.6	88.0	95.8	127.2	142.8	158.5
	inch	1.95	2.86	3.46	3.77	5.01	5.62	6.24
A_{max}	mm	18.8	30.3	38.0	41.9	57.6	65.4	73.3
	inch	0.74	1.19	1.50	1.65	2.27	2.57	2.89
A_{min}	mm	16.3	28.5	36.5	40.5	56.5	64.4	72.4
	inch	0.64	1.12	1.44	1.59	2.22	2.54	2.85

Shaft bores (● = Round, ■ = Square; Gray: not possible with S5 RG and G belts)

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.



MOVEMENT SYSTEMS

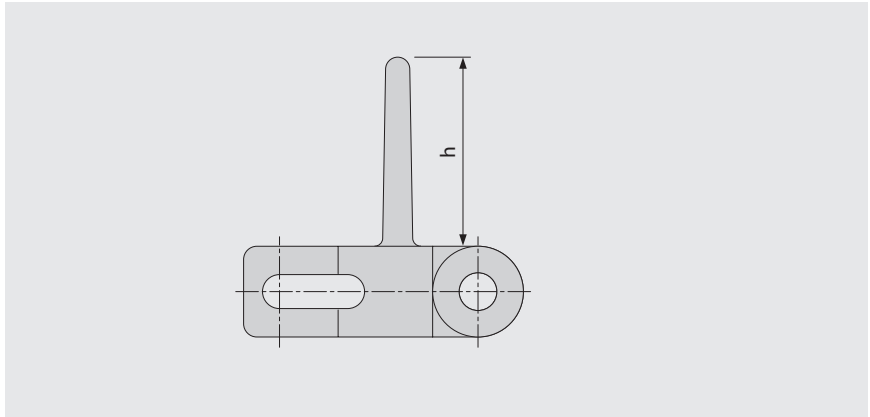
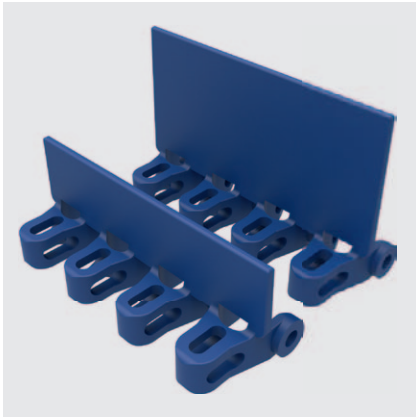
SERIES 5 | PROFILES

siegling prolink
modular belts

Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5-45 GRT PMC

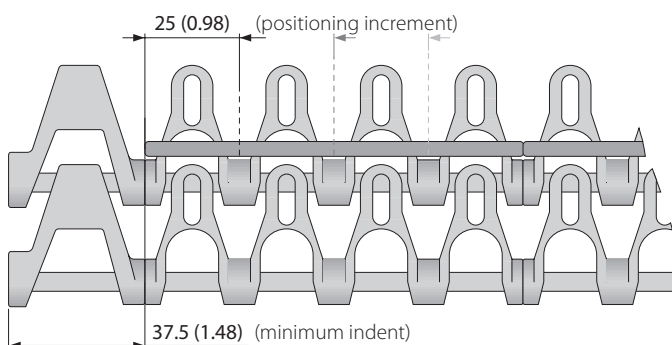
Open version (45 %) base module for drainage



Basic data

Material	Color	Height (h)	
		25 mm 1 inch	50 mm 2 inch
PE	WT	●	●
POM	BL	●	●
POM	DB	●	●
POM	UC	●	●
POM	WT	●	●
PP	DB	●	●
PP	WT	●	●

Molded width: 100 mm (3.9 in)



PMC also available
for G, RG, ST types.

G = Indent 37.5 (1.48)

RG = Indent 50 (1.97)

ST = Indent 75 (2.95)

■ BL (Blue), ■ DB (Dark 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.

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



MOVEMENT SYSTEMS

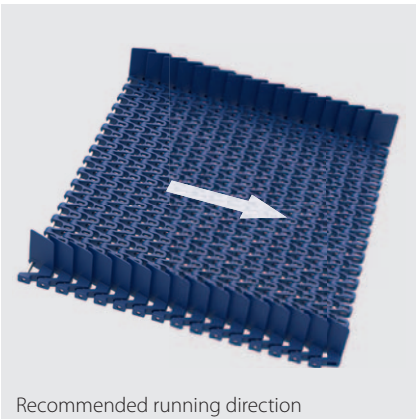
SERIES 5 | SIDE GUARDS

siegling prolink
modular belts

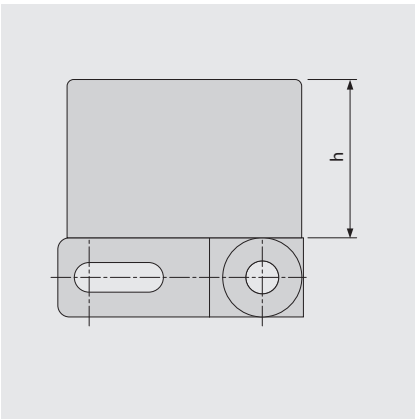
Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5 SG | Side guards

For retention of bulk products

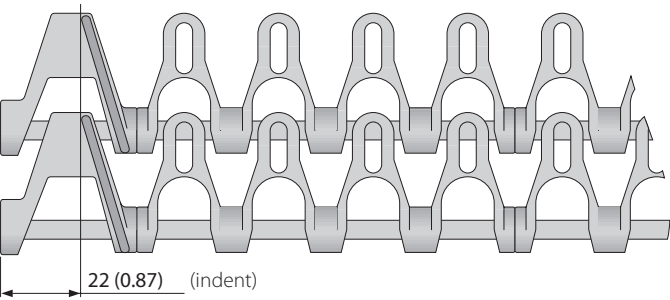


Recommended running direction



Basic data

Material	Color	Height (h)	
		25 mm 1 inch	50 mm 2 inch
POM-CR	BL		●
POM-CR	UC	●	●



■ BL (Blue), □ UC (Uncolored)

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.

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 Themoplastic 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