

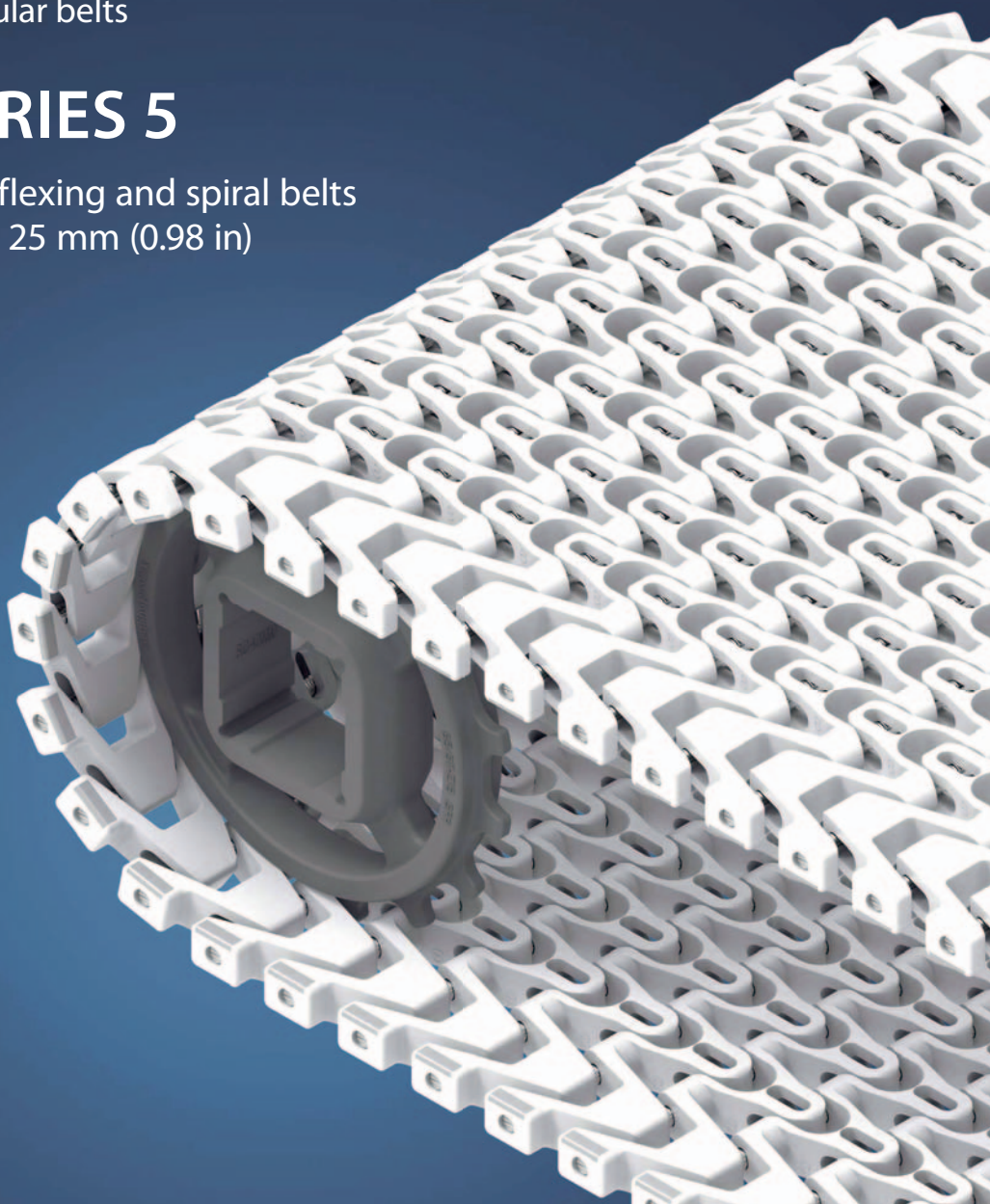
EXCERPT FROM PROLINK ENGINEERING MANUAL

05/20 (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

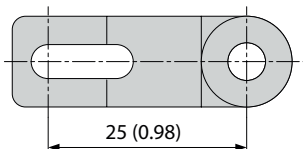
SERIES 5 | OVERVIEW

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



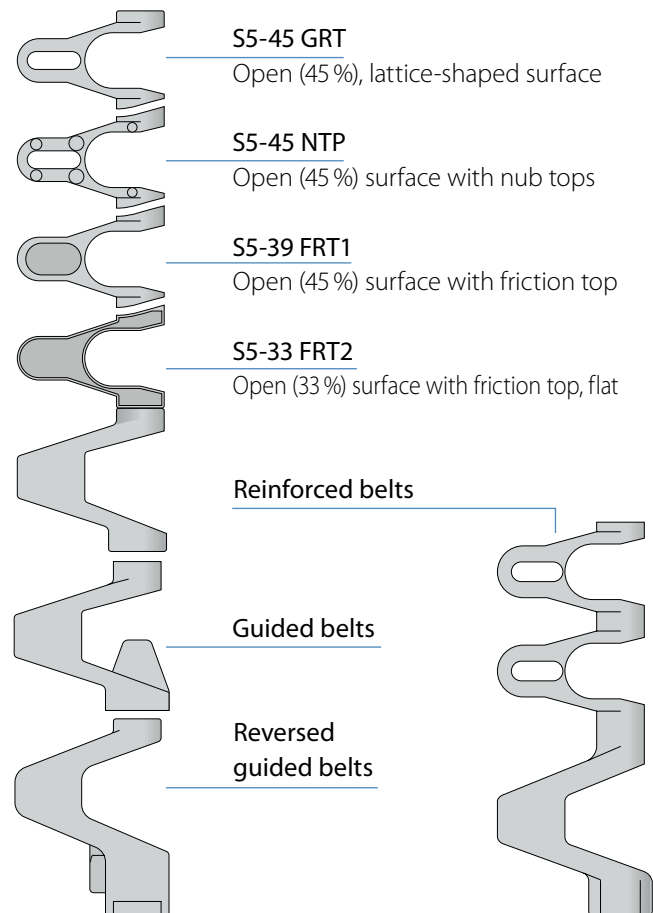
Design characteristics

- 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



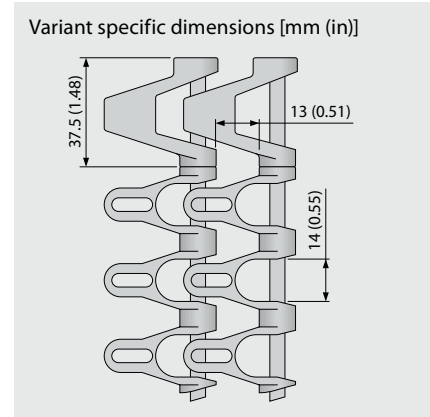
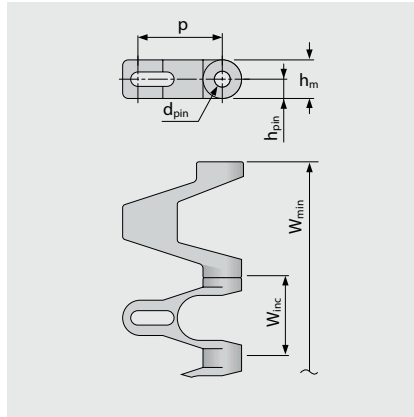
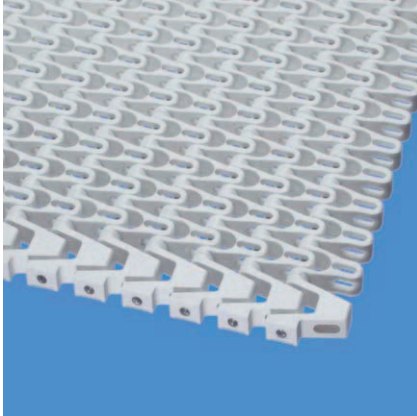
SERIES 5 | BELT TYPES

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/m ²]	[lb/ft ²]	[%]	[°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

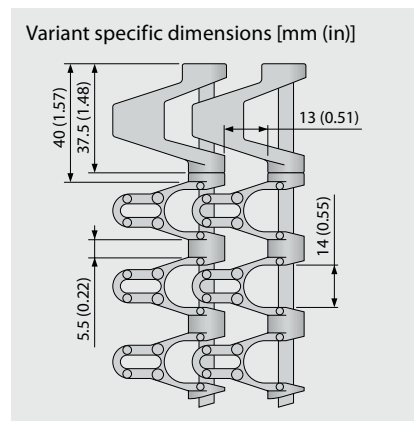
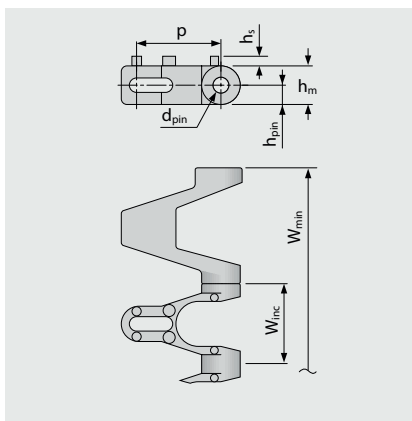
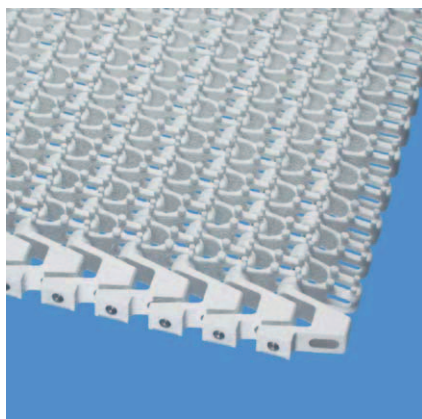
SERIES 5 | BELT TYPES

siegling 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

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⁴⁾ More materials and colors on request



MOVEMENT SYSTEMS

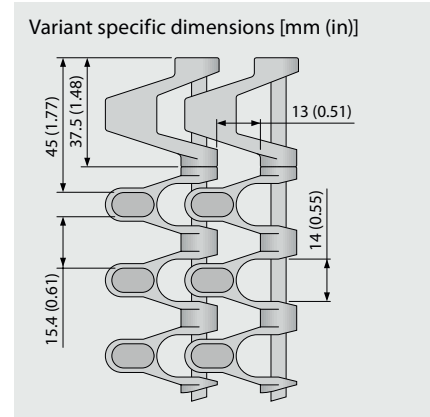
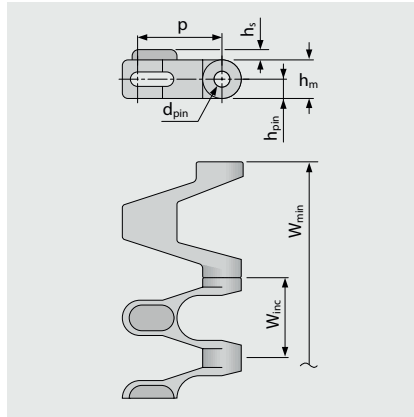
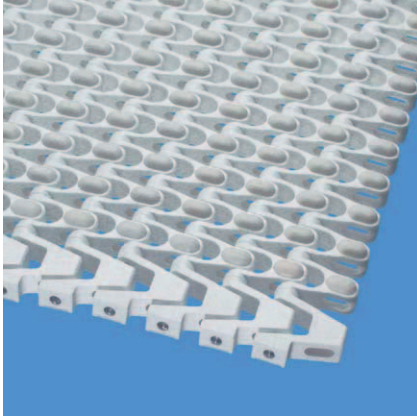
SERIES 5 | BELT TYPES

siebling prolink
modular belts

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

S5-39 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

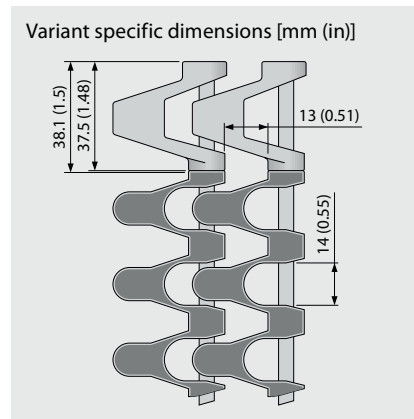
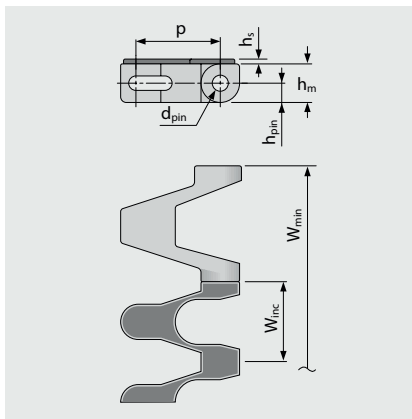
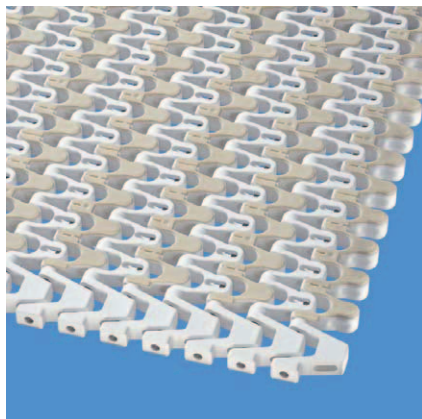
SERIES 5 | BELT TYPES

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

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

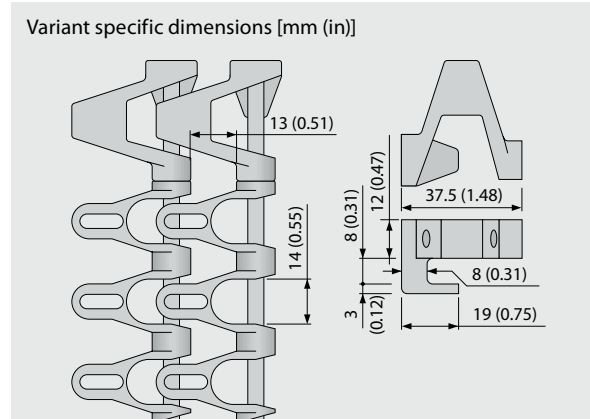
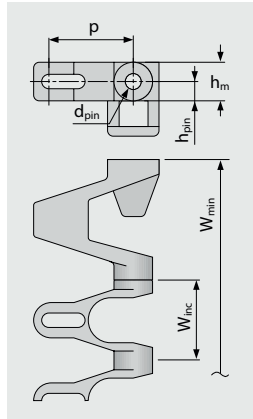
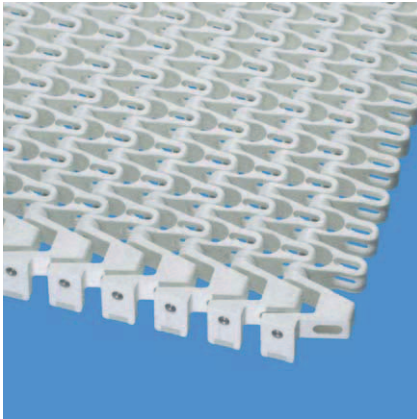
SERIES 5 | BELT TYPES

siebling prolink
modular belts

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

S5-45 GRT 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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MOVEMENT SYSTEMS

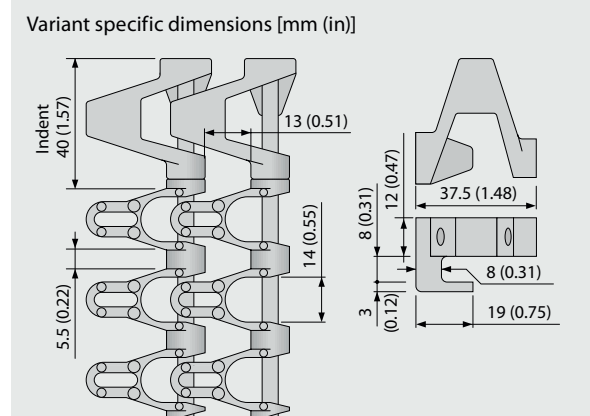
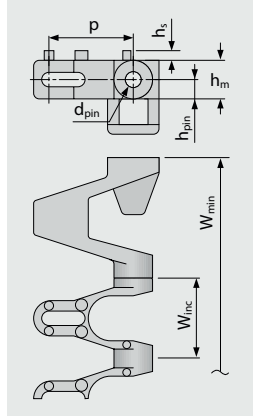
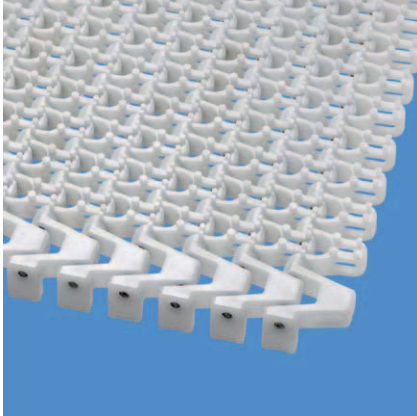
SERIES 5 | BELT TYPES

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/m ²]	[lb/ft ²]	[%]	[°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

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MOVEMENT SYSTEMS

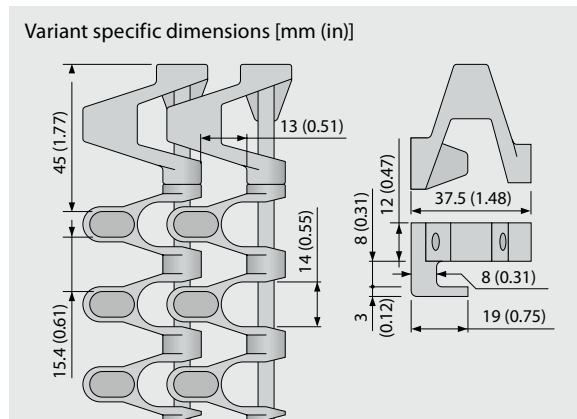
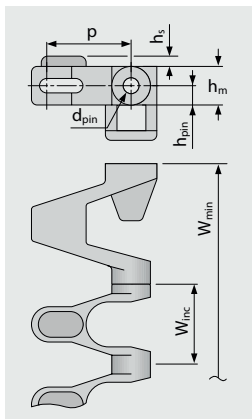
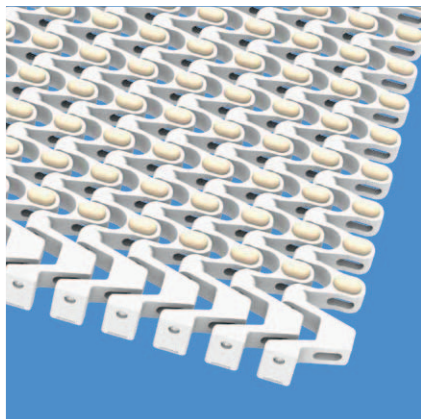
SERIES 5 | BELT TYPES

siebling prolink
modular belts

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

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

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

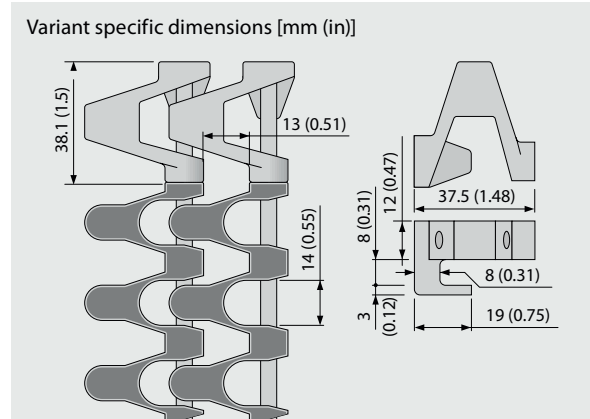
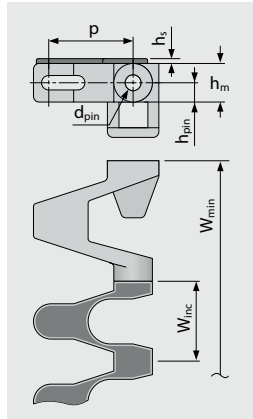
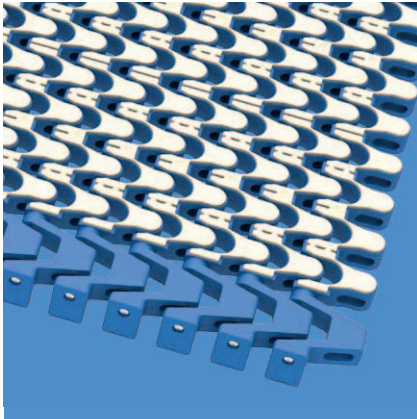
SERIES 5 | BELT TYPES

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) · guided

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

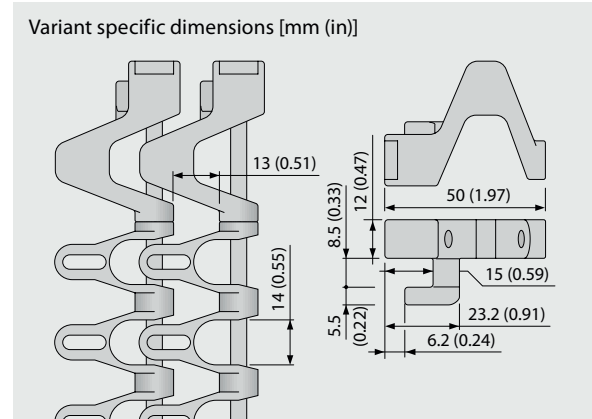
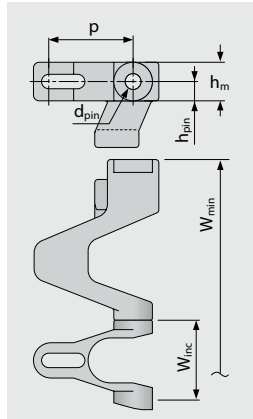
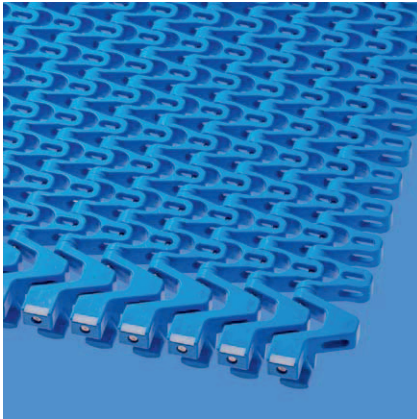
SERIES 5 | BELT TYPES

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

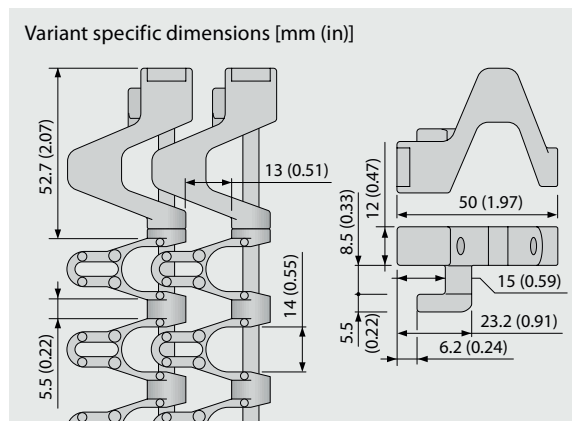
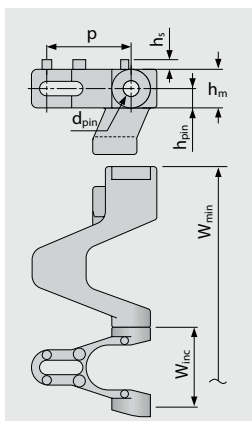
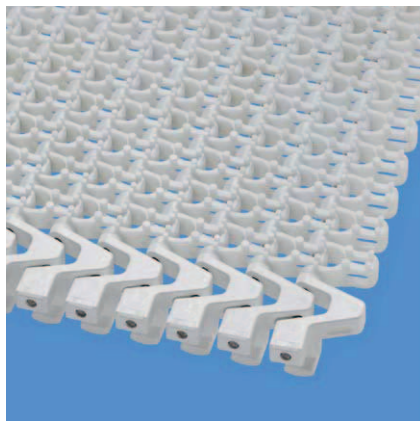
SERIES 5 | BELT TYPES

siegling 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

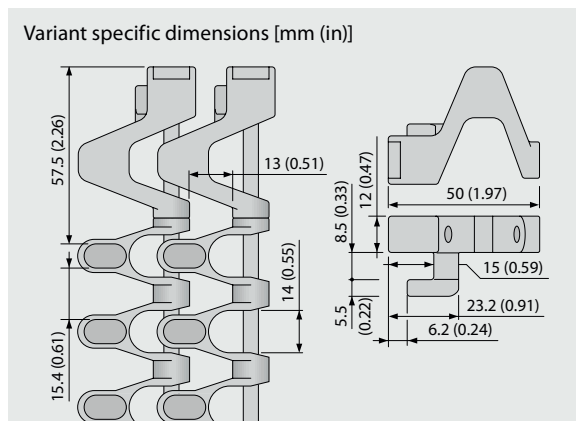
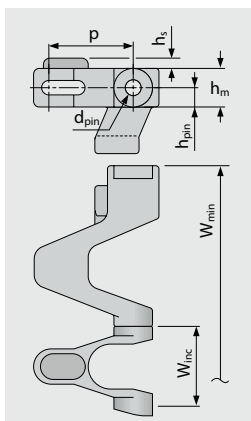
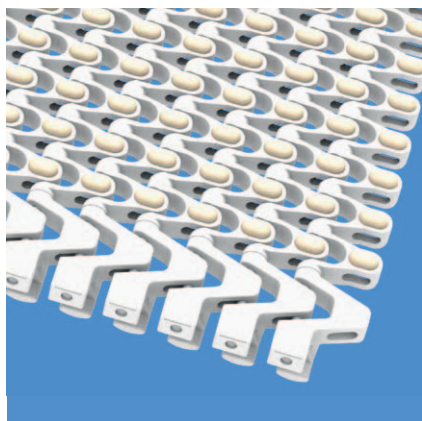
SERIES 5 | BELT TYPES

siebling prolink
modular belts

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

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

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

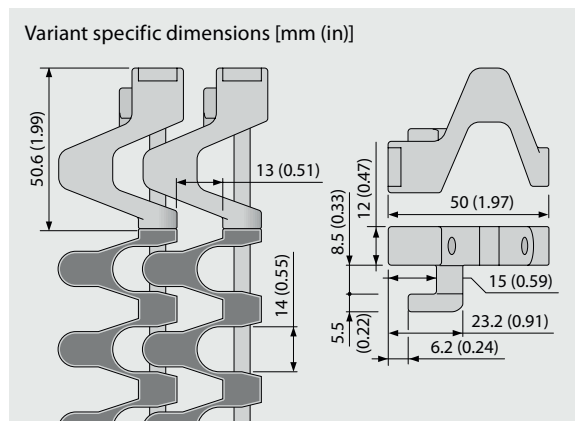
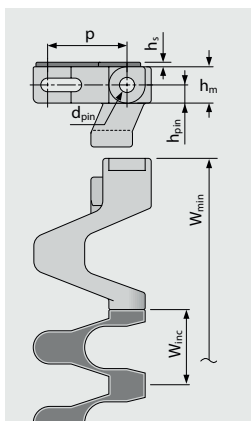
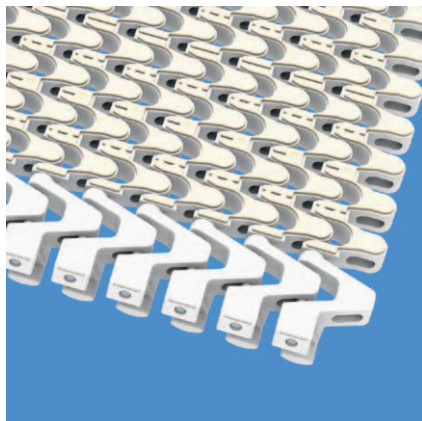
SERIES 5 | BELT TYPES

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) · reverse guided

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

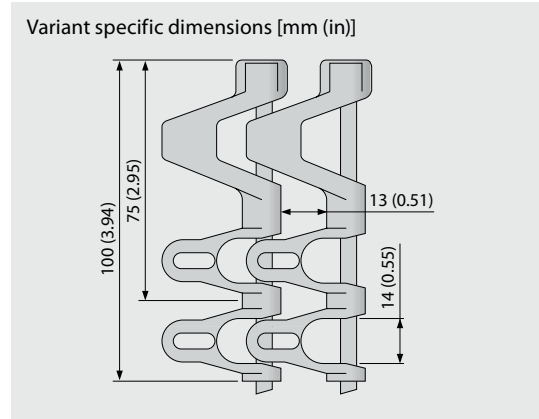
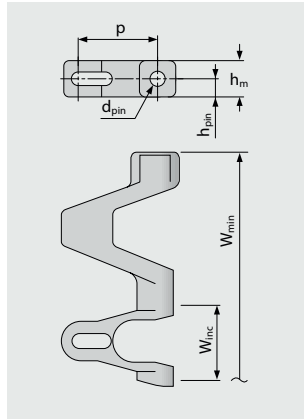
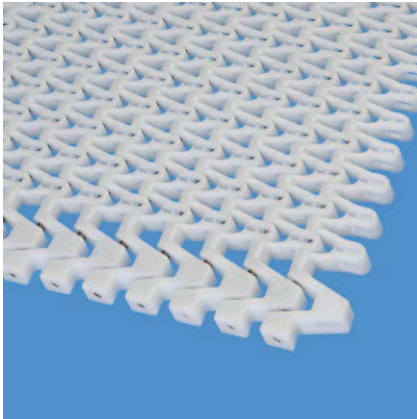
SERIES 5 | BELT TYPES

siebling 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

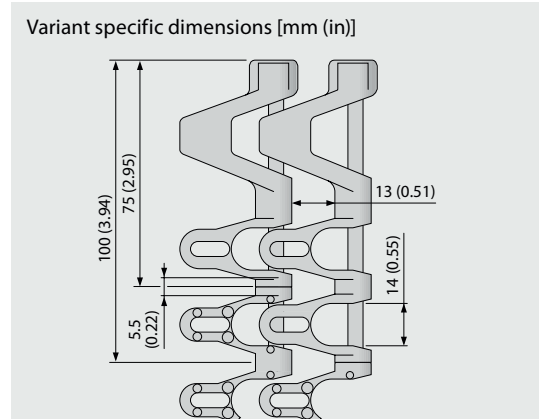
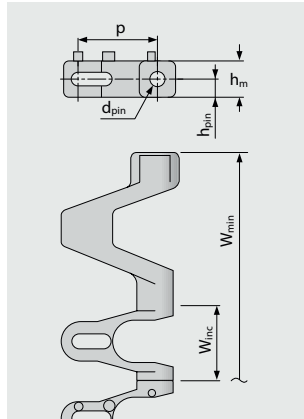
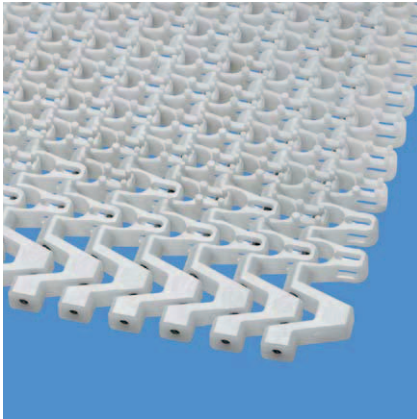
SERIES 5 | BELT TYPES

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/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	●	●

□ 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

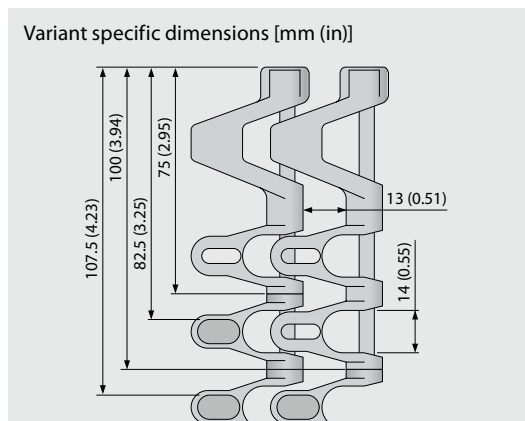
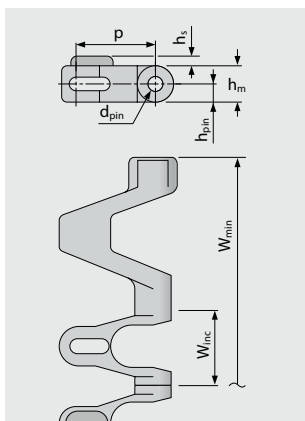
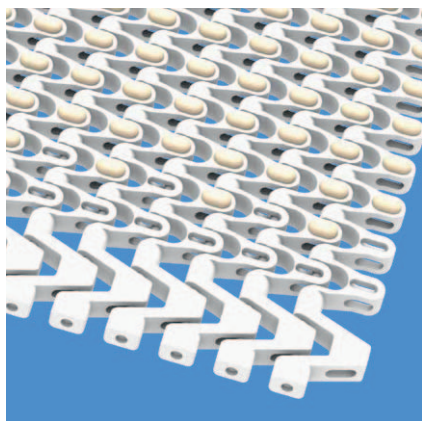
SERIES 5 | BELT TYPES

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) · strong

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

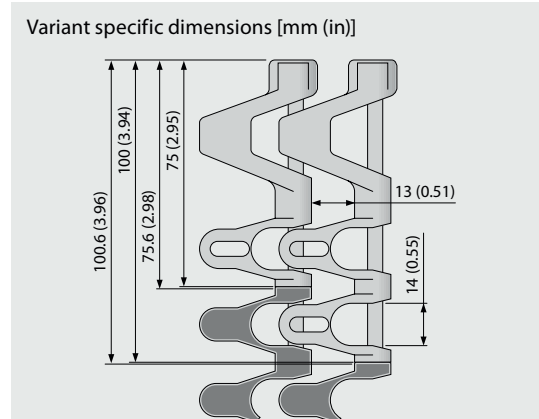
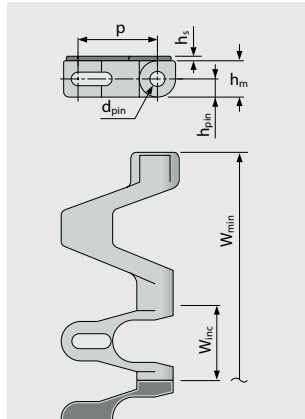
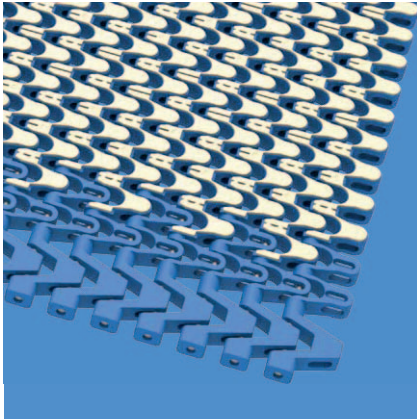
SERIES 5 | BELT TYPES

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

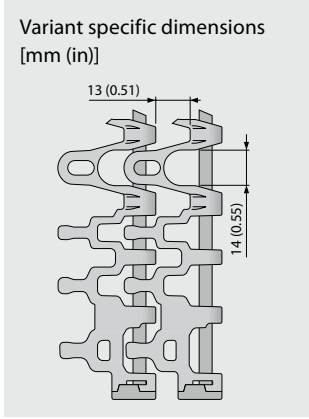
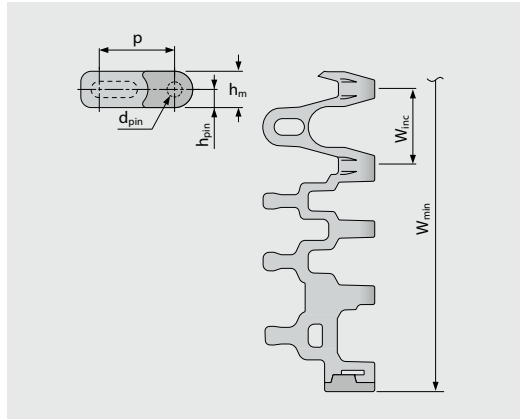
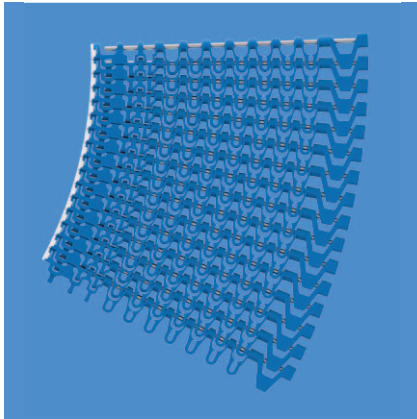
COMBO | BELT TYPES

siebling 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 | BELT TYPES

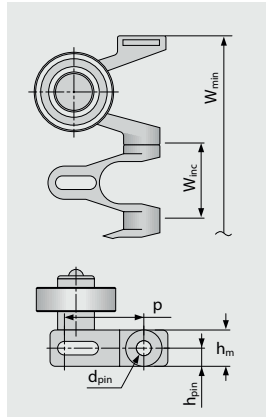
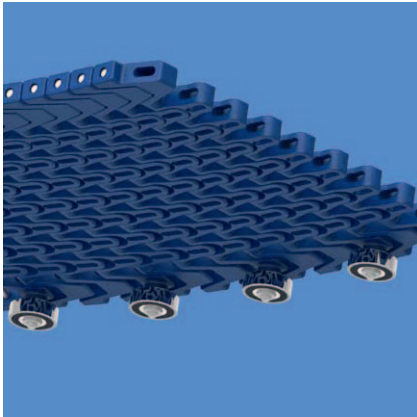
siebling prolink
modular belts

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

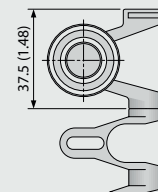
S5-45 GRT BT | 45 % Opening | Bearing Tab Module*

Ball-bearing support to minimize friction force at the belt edge (high speed, reduce dust, save energy)

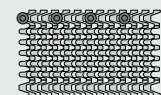
* The modules will be delivered without ball-bearings. Ball-bearing DIN 625-6000 2RS (or similar) could be used.



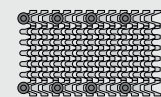
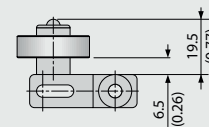
Variant specific dimensions [mm (in)]



Standard configuration:
BT in every 3rd row
(minimum every 2nd row)



CW or CCW



S-Curve

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	DB	SS		25	1713	1800	405	13.0	2.66	0.0	-45/90	-49/194	●	●

** Belt weight: Please calculate 18 g extra for each ball-bearing

Additional information

Compatible belt types: S5-45 GRT / NTP / (FRT1 / FRT2 in PP)

Friction coefficient in curve: 0.04

Standard belt configuration: BT in every 3rd row (min. every 2nd row). CCW and CW → BT on the inside of the curve. S-curve → BT on both sides. Reduced spacing will improve smooth belt running behaviour

Smallest sprocket size: Depends on belt configuration (BT every 2nd row → min. sprocket Z11 – only with RD hub)

■ DB (Dark blue)

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



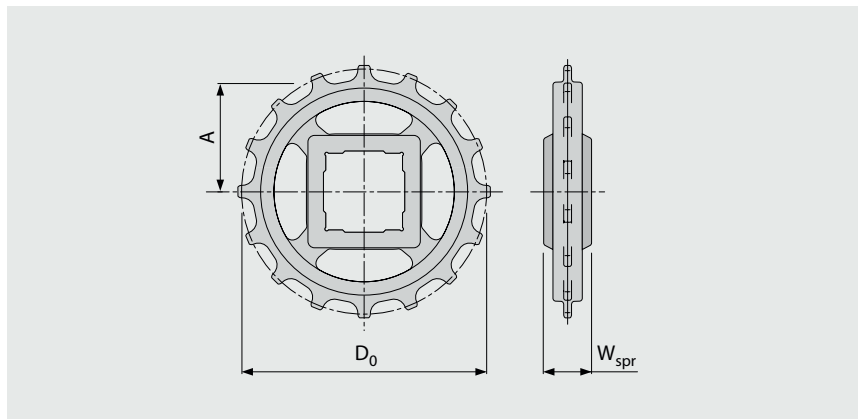
MOVEMENT SYSTEMS

SERIES 5 | SPROCKETS

siegling 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

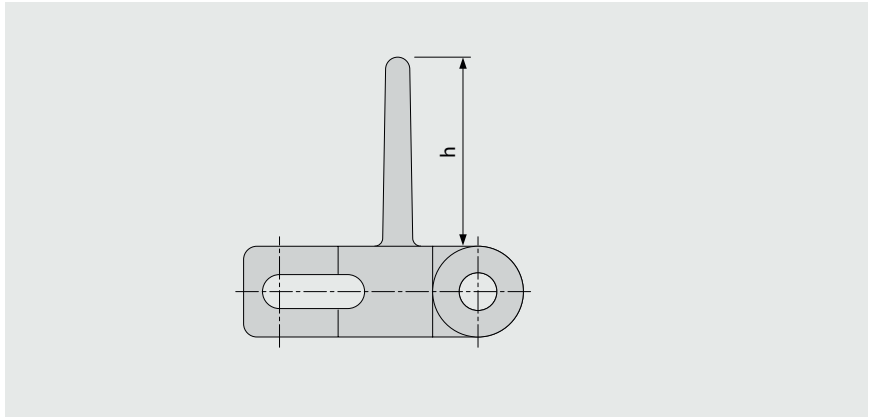
SERIES 5 | PROFILES

siegling prolink
modular belts

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

S5-45 GRT PMC

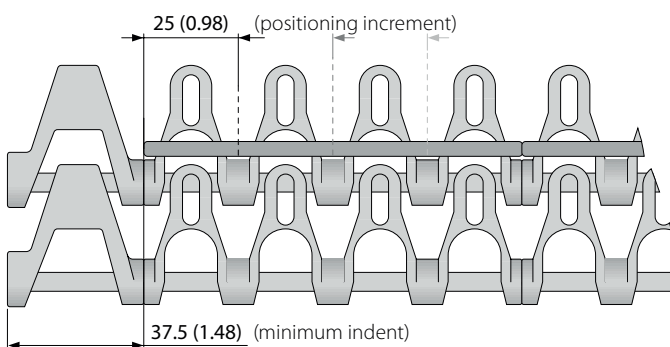
Open version (45 %) base module for drainage



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

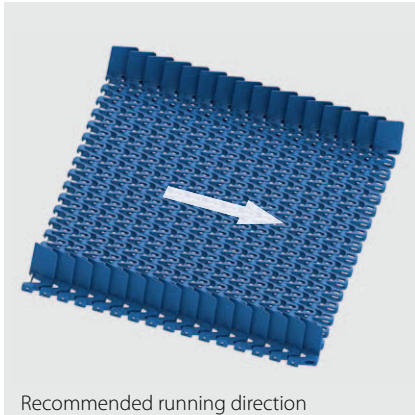
SERIES 5 | SIDE GUARDS

siebling prolink
modular belts

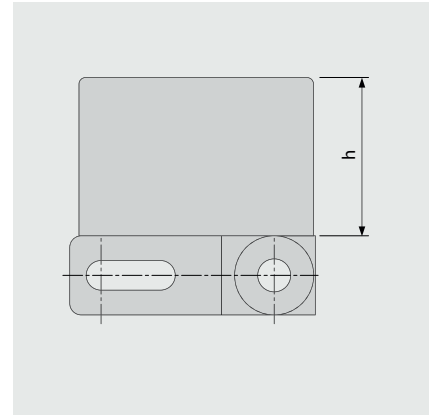
Side flexing and spiral belt | Pitch 25 mm (0.98 in)

S5 SG | Side guards

For retention of bulk products

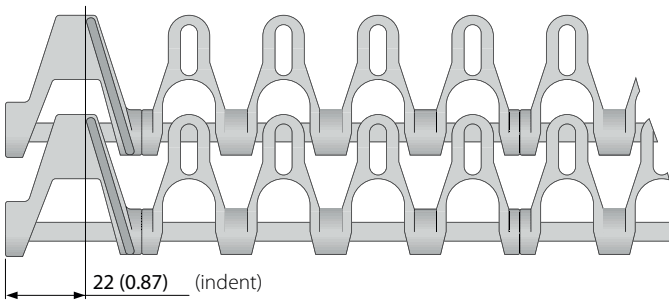


Recommended running direction



Basic data

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



■ BL (Blue), □ WT (White)

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

All imperial dimensions (inches) are rounded off.

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



MOVEMENT SYSTEMS

LEGEND

① Series		④ Type		⑥ Material		⑦ Color*	
S1 ... S15		A90 Angle 90° to conveying direction		PA Polyamide		AT Anthracite	
② Open area/Sprocket size		BPU Bucket profile		PA-HT Polyamide high temperature		BG Beige	
Percentage open area Format: xx E.g. 20 = 20 %		CCW Counter clockwise		PBT Polybutylentere-phthalate		BK Black	
For sprockets: number of teeth Format: "Z"xx E.g. Z12 = 12 teeth		CLP Clip		PE Polyethylene		BL Blue	
③ Surface pattern		CM Center module		PE-MD PE metal detectable		DB Dark blue	
BSL Base module for slider		CW Clockwise		POM Polyoxymethylene (Polyacetal)		GN Green	
CTP Cone top		FPL Finger plate		POM-CR POM cut resistant		LB Light blue	
CUT Curved top		IDL Idler		POM-HC POM highly conductive		LG Light gray	
FLT Flat top (smooth)		PIN Coupling rod		POM-MD POM metal detectable		OR Orange	
FRT-OG Friction top without High Grip insert		PMC Profile module center		POM-PE POM side modules + PE center modules		RE Red	
FRT(X) Friction top (Design X)		PMU Profile module universal		POM-PP POM side modules + PP center modules		TQ Turquoise	
GRT Grid top		PMU lxx Profile module universal with indent xx = indent in mm		PP Polypropylene		TR Transparent	
LRB Lateral rib		RI High Grip insert		PXX-HC Self-extinguishing highly conductive material		UC Uncolored	
MOD Modified module shape		RTR Retaining ring		R1 TPE 80 Shore A, PP		WT White	
NCL No cling		SG Module with sideguard		R2 EPDM 80 Shore A, vulcanized		YL Yellow	
NPY Negative pyramid		SLI Slider		R3 TPE 70 Shore A, POM		⑧ Height/Diameter/ Bore size and style	
NSK Non skid		SML Side module, left		R4 TPE 86 Shore A, PP		Height in mm (in) Format: Hxxx	
NTP Nub top (round studs)		SMR Side module, right		R5 TPE 52 Shore A, PP		Pin diameter in mm (in) Format: Dxxx	
RAT Radius top		SMU Side module, universal/both sides		R6 TPE 63 Shore A, POM		Bore size: SQ (= square) or RD (= round) either in mm or inches Format: SQxxMM or RDxxIN	
RRB Raised rib		SPR Sprocket		R7 TPE 50 Shore A, PP		⑨ Length/Width	
RSA Reduced surface area		TPL Turning panel, left		R8 TPE 55 Shore A, PE		Pins Length in mm (in) Format: Lxxx	
RTP Roller top		TPR Turning panel, right		SER Self-extinguishing TPE		Module width in mm (in) Format: Wxxx	
SRS Slip-resistant surface		UM Universal module		SS Stainless steel			
		⑤ Style		TPC1 Thermoplastic Copolyester			
		BT Bearing tab		-HA Supports the HACCP concept			
		DR Double row sprocket		-HW High Wear resistant material			
		F1, F2, F3 ... Collapse factor modules					
		G Guided					
		GT Guiding tabs					
		HD Hold Down					
		RG Reversed guided					
		SG Side guard					
		SP Split sprocket					
		ST Strong					

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



MOVEMENT SYSTEMS