

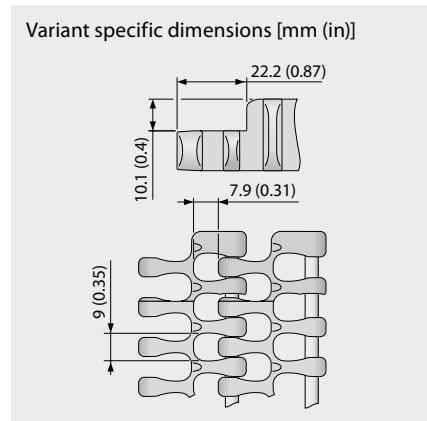
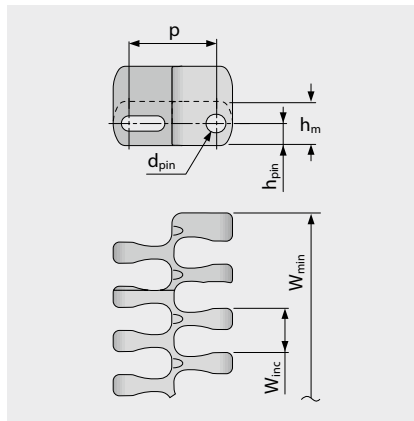
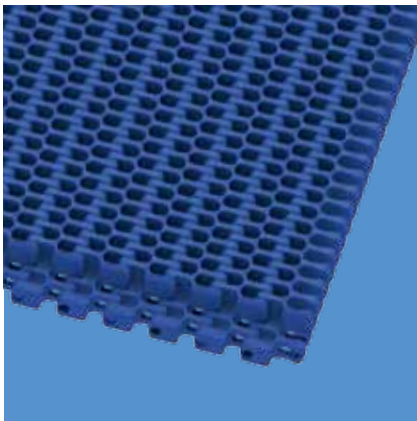
SERIES 18 | BELT TYPES

siebling prolink
modular belts

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

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

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



Belt dimensions

	p	d _{pin}	h _m	h _{pin}	h _s	W _{min}	W _{inc}	W _{tol}	Minimum flex radii ¹⁾				
	Pitch	Pin Ø	Thickness [mm]	Pin position [mm]	Height [mm]	Width min. [mm]	Width Increment [mm]	Width tolerance [%]	r1 C _c x W _B	r2	r3	r4	r5
mm	25.4	4.2	12.7	6.4	10.1	149.4	12.7	±0.2	2.2 x W _B	25.4	50.8	76.2	25.4
inch	1.0	0.17	0.5	0.25	0.4	5.88	0.5	±0.2	2.2 x W _B	1.0	2.0	3.0	1.0

r1: Smaller factors apply for W_B < 610 mm. Please see page III-20

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	PLX	BL	30	2056	1600	360	15.5	3.17	-0.1	-45/90	-49/194	●	●
POM-CR	WT	PLX	BL	30	2056	1600	360	15.5	3.17	-0.1	-45/90	-49/194	●	●
PP	BL	PLX	BL	18	1233	1000	225	10.3	2.11	0.5	5/100	41/212	●	●
PP	WT	PLX	BL	18	1233	1000	225	10.3	2.11	0.5	5/100	41/212	●	●
PP	BL	PP	WT	16	1096	800	180	10.2	2.09	0.5	5/100	41/212	●	●
PP	WT	PP	WT	16	1096	800	180	10.2	2.09	0.5	5/100	41/212	●	●
PA*	BL	PLX	BL	25	1713	1500	337	12.6	2.58	0.85	-40/120	-40/248	●	●

* Values valid for dry applications (RH < 50%). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

■ BL (Blue), □ WT (White)

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

All imperial dimensions (inches) are rounded off.

¹⁾ Flex radii: r1 = side flex, r2 = front flex on roller, r3 = back flex on load bearing roller, r4 = back flex on Hold Down shoe, r5 = back flex on roller

²⁾ Complies with FDA 21 CFR

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