

Combo belts (S5 ST & S11)

Pitch 25 mm (0.98 in)

The best of two series –
now in one single belt

Series 5 ST:

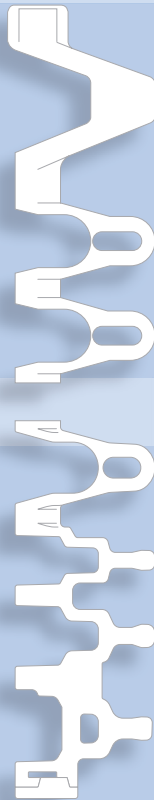


high payload

Series 11:



small curve radius



Siegling Prolink Combo belts combine the strength of the tried-and-tested series 5 ST with the small and innovative curve radius of series 11.

Combo belt characteristics

- high belt pull capacity
- stainless steel hinge pins
- minimum curve radius
- hard-wearing, replaceable caps on the inner belt edges

Combo belt advantages

- high payload
- compact conveyor layout
- long service life



MOVEMENT SYSTEMS

Combo belts (S5 ST & S11)

Side flexing, pitch 25 mm (0.98 in)

25 mm (0.98 in) pitch radius and spiral belt for light and medium-duty food and non-food applications.

Design characteristics

- 45 % open area provides excellent cooling and draining capabilities
- stainless steel hinge pins for high load capacity, lateral stiffness, fewer belt supports and minimum belt lifting in curves
- tight radius belt with minimum turning radius of 1.45 x belt width
- outermost hinge is fixed to the pin to prevent deflection and elimination of potential belt edge catch points
- suitable for both straight and radius conveying
- belt available in both clockwise and counterclockwise configuration

Pitch

25 mm (0.98 in)

Belt width min.

175 mm (6.9 in)

Width increments

In increments of 25 mm (0.98 in)

Hinge pins

5 mm (0.2 in) in stainless steel

Layout requirements


Minimum curve radius = 1.45 x belt width (requires S11 modules with side caps on the inside)

Minimum length of the straight in-feed/out-feed section before and after the curve = 2 x belt width

Belt types


S11/S5 ST-45 GRT CCW

Open (45%) lattice-shaped surface counterclockwise belt travel



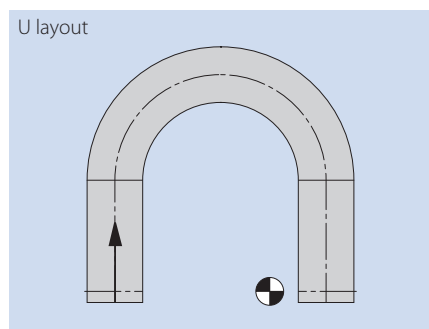
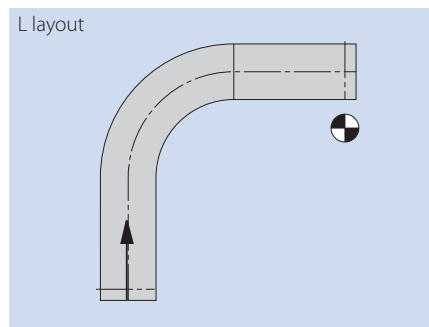
S5 ST/S11-45 GRT CW

Open (45%) lattice-shaped surface clockwise belt travel



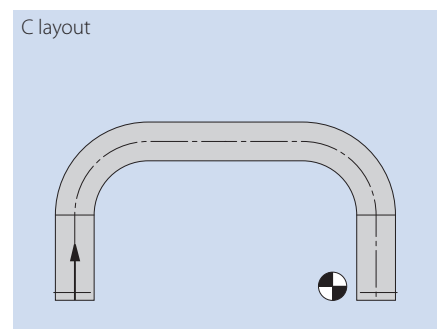
* Values valid for dry applications (RH <50%). Belts in PA material will absorb water in wet environments, causing them to expand and reduce the nominal belt pull capacity.

Materials	Colors	Open area [%]	Allowable belt pull [N/mm (lb/ft)] (Straight)	Allowable belt pull [N (lb)] (Curves)	Weight [kg/m ² (lb/ft ²)]
PP	WT, BL	45	18 (1233)	1200 (270)	10.2 (2.09)
POM-CR	WT, BL	45	25 (1713)	2100 (472)	13.2 (2.70)
PA*	BL	45	20 (1370)	1680 (378)	13.0 (2.66)
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Conveyor layout options

Combo belts will only be used for one-directional layouts (L, U & C).



MOVEMENT SYSTEMS

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Forbo Movement Systems is part of the Forbo Group, a global leader in flooring and movement systems.
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