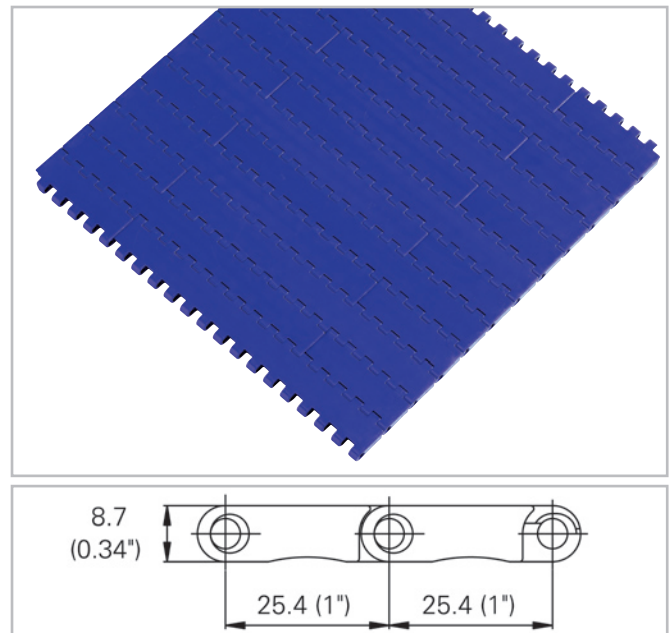


HabasitLINK® Straight 1" Pitch Belting M2470 Flat Top 1"



Description

- Imperial belt width
- 8.7 mm (0.34") thick
- 0% open area
- Closed hinge
- Rod diameter 4.5 mm (0.18")
- Headless Smart Fit rod retention
- Strong closed edges
- Beveled edges for smooth side transfer
- Lug teeth sprockets
- Optimized for 50 mm (2") idle roller diameter, 40 mm (1.6") possible



Belt data

Belt material		PP		POM
Rod material		PP	POM	PA
Nominal tensile strength F'_N	N/m lb/ft	17200 1178	18500 1267	30000 2055
Temperature range	°C °F	5 - 105 40 - 220	5 - 93 40 - 200	-40 - 93 -40 - 200
Belt weight m_B	kg/m² lb/sqft	5.7 1.17	5.7 1.17	8.7 1.79

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)		Backbending radius for elevators without sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	50	2	100	4	150	6

Standard range of belt widths b_0

mm (nom.)	76	152	229	305	381	457	533	610	686	762	838	914	991	etc.
inch (nom.)	3	6	9	12	15	18	21	24	27	30	33	36	39	etc.

Real belt widths are in most cases 0.1% to 0.3% smaller.
Real belt widths for PP are 0.1% to 0.3% wider.

Standard belt widths in increments of 76.2 mm (3"). Non-standard widths are offered in increments of 15.24 mm (0.6"). Smallest possible width 76.2 mm (3").

For detailed material properties refer to the HabasitLINK® Engineering Guidelines or contact your Habasit representative.

The nominal tensile strength is valid for 23 °C (73 °F). The admissible tensile force depends on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

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