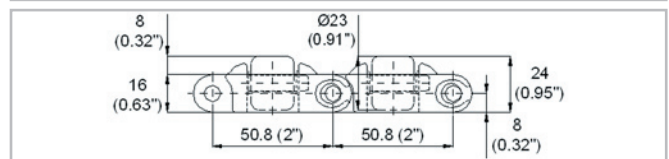
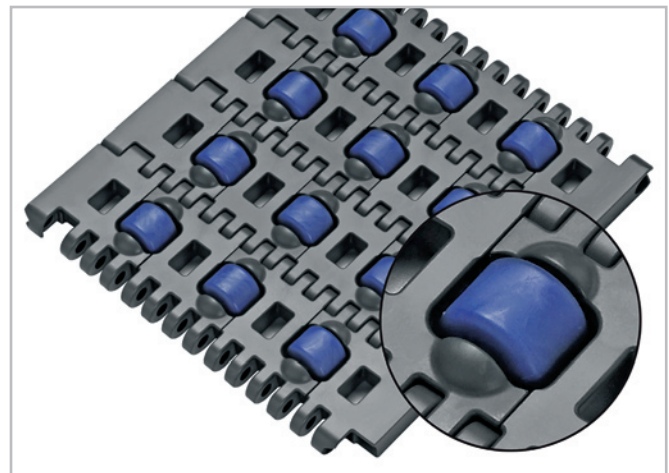


# HabasiLINK® Straight 2" Pitch Belting M5182 Roller Top - 90° 2"



## Description

- Designed for easy 90° transfer
- Imperial belt width
- Large robust roller with diameter 23 mm (0.9")
- Roller distance 50 mm (2")
- Smart-Fit rod retention
- Rod diameter 7 mm (0.27")
- Closed hinge
- Indent 50 mm (2")
- Lug teeth sprockets



## Belt data

Belt material		PP		POM	
Rod material		POM		PA	
Roller material		PA		POM	
Nominal tensile strength $F'_N$	N/m	20000	20000	40000	40000
straight run	lb/ft	1370	1370	2740	2740
Temperature range	°C	5 - 93	5 - 105	-40 - 93	-40 - 93
	°F	40 - 200	40 - 220	-40 - 200	-40 - 200
Belt weight $m_B$	kg/m <sup>2</sup>	13.5	13.5	18.5	18.5
	lb/sqft	2.76	2.76	3.79	3.79

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
90	3.5	100	4	150	6	150	6

## Standard range of belt widths $b_0$

mm (nom.)	152	203	254	305	356	406	457	508	559	610	660	711	762	etc.
inch (nom.)	6	8	10	12	14	16	18	20	22	24	26	28	30	etc.

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

**Standard belt widths** in increments of 2.0" (50.8 mm). Cut width: Standard belt width - 0.5" (- 12.7 mm).

**For detailed material properties** refer to the HabasiLINK® Engineering Guidelines or contact your Habasi 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 HabasiLINK® Engineering Guidelines.

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