

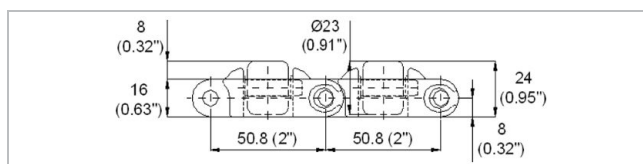
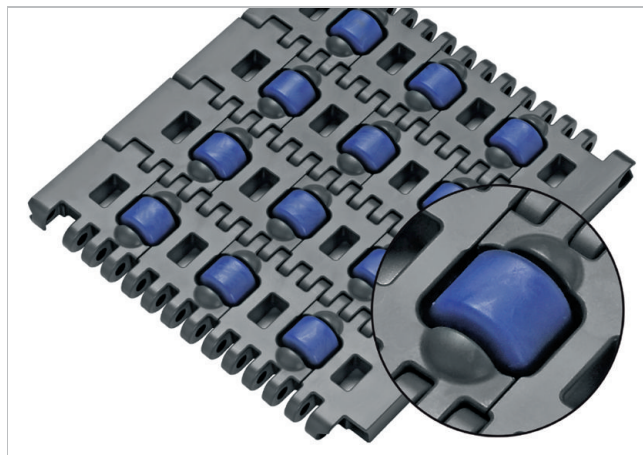
HabasitLINK®

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		POM	PP	
Rod material		PA		POM
Roller material		PA		
Nominal tensile strength F'_N	N/m lb/ft	40000 2740	20000 1370	20000 1370
Temperature range	°C °F	-40 - 93 -40 - 200	5 - 105 40 - 220	5 - 93 40 - 200
Belt weight m_b	kg/m² lb/sqft	18.5 3.79	13.5 2.76	13.5 2.76

Admissible load per roller 2.5 kg (5.5 lb) is equal to 1000 kg/m² (205 lb/ft²)

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 side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch
90	3.50	100	4.00	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.

For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

Standard belt widths in increments of 2.0" (50.8 mm).

For detailed material properties refer to the HabasitLINK® Engineering Guidelines.

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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