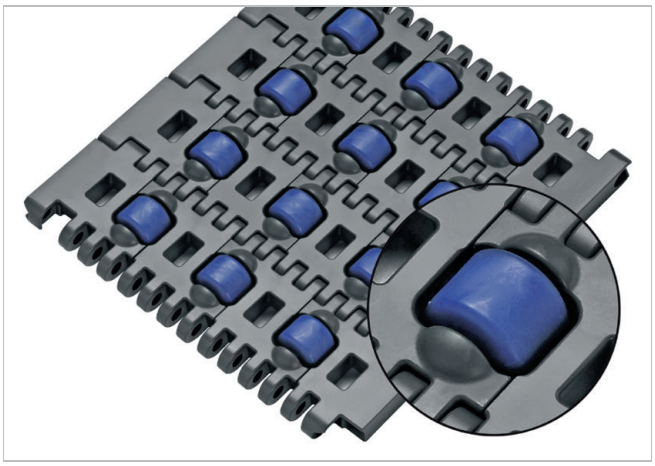
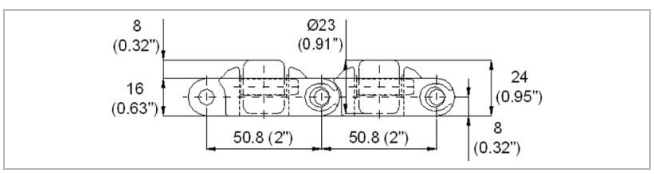
HabasitLINK®
M5182 Roller Top - 90° 2"

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 straight run	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). Cut width: Standard belt width - 0.5" (- 12.7 mm) and -1" (-25.4 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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