

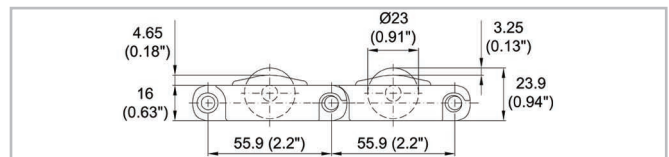
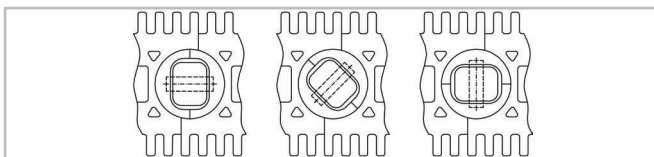
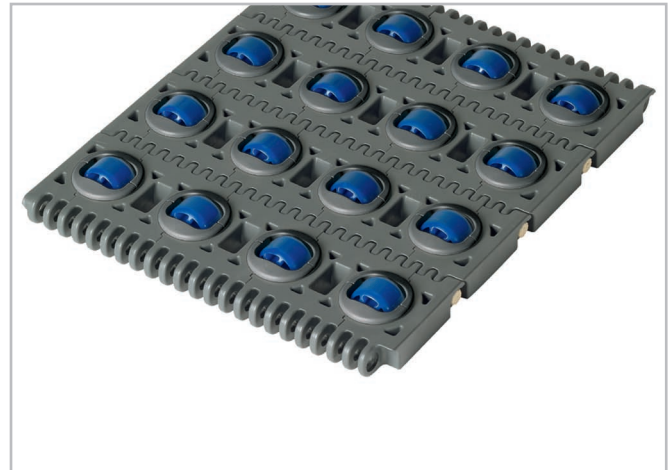
# HabasitLINK®

## M5482 Roller Top 2.2"



### Description

- Designed for 90° transfers, various roller orientations in 15° steps available
- All rollers in one belt must have the same orientation
- Imperial belt width
- Large robust roller with diameter 23 mm (0.9")
- Edge distance to center line of first roller is 25.4 mm (1")
- Minimum free edge 15.5 mm (0.61")
- Roller lateral spacing 50 mm (2")
- 10% open area
- Smart-Fit rod retention
- Rod diameter 6 mm (0.24")
- Strong closed edges
- Lug teeth sprockets



### Belt data

Belt material		PP		POM	
Rod material		PA		POM	
Roller material		POM		PA	
Nominal tensile strength $F'_N$ straight run	N/m	20000	20000	40000	40000
	lb/ft	1370	1370	2740	2740
Temperature range	°C	5 - 93	5 - 93	-40 - 93	-40 - 93
	°F	40 - 200	40 - 200	-40 - 200	-40 - 200
Belt weight $m_B$	kg/m <sup>2</sup>	12.7	12.6	17.2	17.2
	lb/sqft	2.60	2.58	3.52	3.52

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 50.8 mm (2"). Non-standard widths are not offered. Smallest possible width 152.4 mm (6").

**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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