

# HabasitLINK® M2510 Flat Top 1"

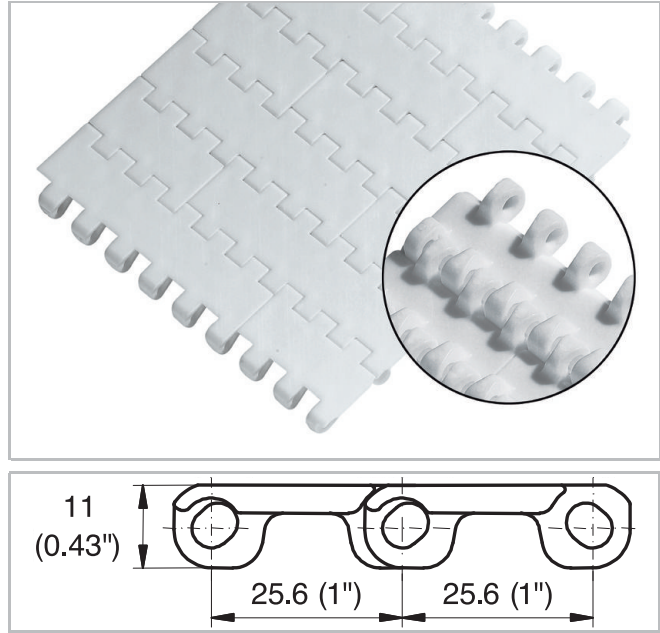


## Description

- 0% open area
- Dynamic open hinge, easy to clean
- Food approved materials available
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

## Available accessories

- Flights and Scoops
- Side guards
- Hold-down devices
- Saniclip



## Belt data

Belt material		PE	POM		PP	PE
Rod material		PE	PA	PP		PA
Nominal tensile strength $F'_N$ straight run	N/m	8000	21900	16000	14000	8000
	lb/ft	548	1500	1096	959	548
Temperature range	°C	-70 - 65	-40 - 93	5 - 93	5 - 105	-46 - 65
	°F	-94 - 150	-40 - 200	40 - 200	40 - 220	-50 - 150
Belt weight $m_B$	kg/m <sup>2</sup>	5.2	7.3	7.3	4.9	5.20
	lb/sqft	1.05	1.49	1.49	1.00	1.05

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)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250.0	10

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

## Standard range of belt widths $b_0$

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	etc.

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

For PE material up to 750 mm (30") -5 mm to -1 mm and -0.75% to -0.35% for wider belts.

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") -4 mm to 0mm and -0.3% to -0.1% for wider belts.

**Standard belt widths** in increments of 50 mm (2"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25"). Non-bricklaid belts 50 mm (2") and 100 mm (4") wide.

**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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