

Product Data Series M2500

M2510 Flat Top 1"



Main Industry Segments

Food industry: Meat, Poultry, Fish processing, Bakery, Fruit and Vegetables

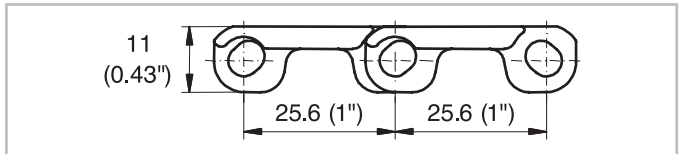
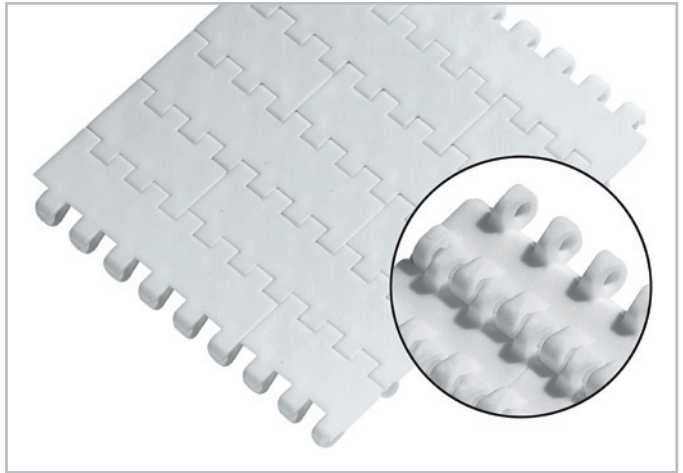
Non-Food industry: Packaging

Description

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

Available accessories

- Flights and Scoops
- Sideguards
- Hold down devices



Belt data

Belt material		PP	PE	POM	
Rod material		PP	PE	PP	PA
Nominal tensile strength	N/m	14000	8000	16000	21900
F_N straight run	lb/ft	959	548	1096	1500
Temperature range	°C	5 - 105	-70 - 65	5 - 90	-40 - 90
	°F	40 - 220	-94 - 150	40 - 195	-40 - 195
Belt weight m_B	kg/m ²	4.9	5.2	7.3	7.3
	lb/sqft	1.00	1.05	1.49	1.49

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)		Backbending radius for elevators with sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	50	2	100	4	150	6	250	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.

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 or contact your Habasit representative.

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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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