

Product Data Series M2500

M2520 Flat Top 1"



Main Industry Segments

Food industry: Poultry (Packaging), Fish processing (Packaging), Bakery, Fruit and Vegetables

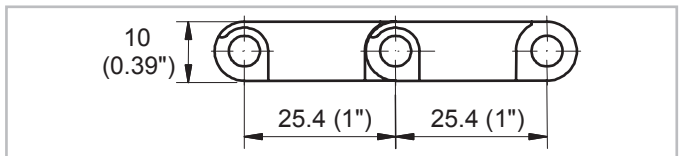
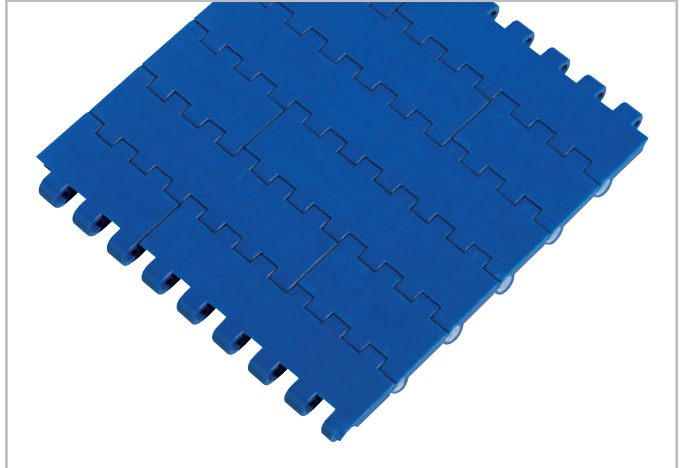
Non-Food industry: Packaging, Automotive, Tire Manufacturing, Corrugated, Beverages / Bottling, Can Manufacturing

Description

- 0% open area
- High lateral stiffness
- Food approved materials
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

Available accessories

- Flights and Scoops
- Sideguards
- Hold down devices
- GripTop modules



Belt data

Belt material		PP		PE	POM	
Rod material		PP	POM	PE	PP	PA
Nominal tensile strength	N/m	18000	18000	9000	21500	32000
F'_N straight run	lb/ft	1233	1233	616	1473	2192
Temperature range	°C	5 - 105	5 - 90	-70 - 65	5 - 90	-40 - 90
	°F	40 - 220	40 - 195	-94 - 150	40 - 195	-40 - 195
Belt weight m_b	kg/m ²	5.5	5.5	5.8	8.4	8.4
	lb/sqft	1.13	1.13	1.19	1.71	1.71

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% wider.

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.

Belt data for special belt materials

Belt material		PBT +FR		PA +GF	ST	PA +HT
Rod material		PP	PA	ST		
Sprocket material ⁽¹⁾		Standard		ST		
Belt width		Standard		see table		
Flammability classification UL 94 ⁽²⁾		V0		HB	V0	HB
Flammability classification ISO 340 ⁽²⁾		yes		no	no	
Nominal tensile strength	N/m	16000	15000	24000	12000	24000
F _N straight run	lb/ft	1027	959	1644	822	1644
Temperature range	°C	5 - 105	-40 - 130	0 - 145	0 - 200	0 - 170
	°F	40 - 220	-40 - 266	32 - 293	32 - 392	32 - 338
Temperature maximum (short-term)	°C		150	175	240	200
	°F		302	347	464	392
Belt weight m _B	kg/m ²	8.9	8.9	9.0	10.8	9.0
	lb/sqft	1.82	1.82	1.85	2.21	1.85

Belt width for Polyamide +GF, Polyamide +HT and Super High Temperature material (ST)

mm (nom.)	50.8	101.7	152.5	203.3	254.2	305.0	355.8	406.7	457.5	508.3	559.2	610.0	etc.
inch (nom.)	2.00	4.00	6.00	8.00	10.01	12.01	14.01	16.01	18.01	20.01	22.02	24.02	etc.

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