

# Product Data Series M2500

## M2520 Flat Top 1"



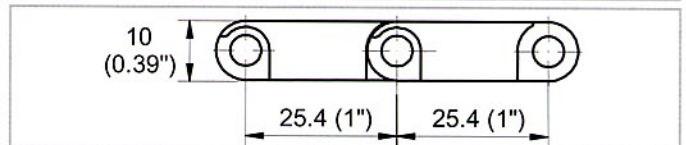
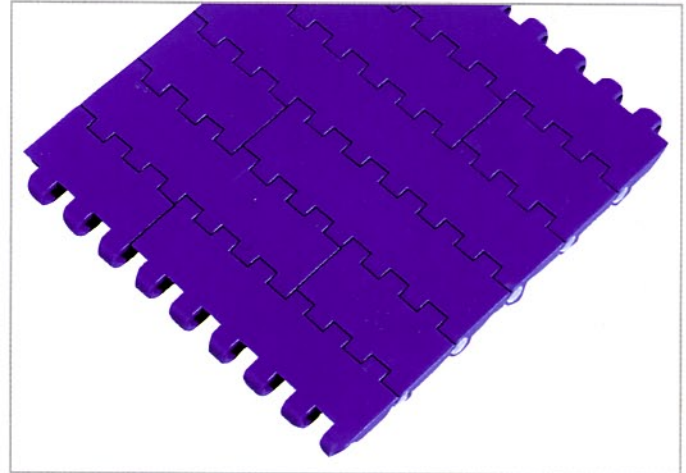
HabasitLINK®  
Engineering Guidelines  
Edition Q104 - 41

### Description

- 0% open area
- High lateral stiffness
- Food approved materials see pages 9-11
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

### Available accessories

- Flights
- Sideguards
- Hold down device



### Belt data

Belt material		Polypropylene		Polyethylene	Polyacetal	
Standard rod material		PP	POM	PE	PP	PA
Nominal tensile strength [F <sub>N</sub> ]	N/m	14'000	18'000	9'000	18'000	26'000
	lb/ft	959	1'233	616	1'233	1'781
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 <sub>B</sub> ]	kg/m <sup>2</sup>	6.2	6.2	6.5	9.4	9.4
	lb/sqft	1.27	1.27	1.34	1.93	1.93
Coefficient of friction belt to support [μ <sub>s</sub> ]	• UHMW PE	0.13	0.13	0.25	0.10	0.10
	• HDPE	0.11	0.11	–	0.08	0.08
	• PA6, PA66	0.30	0.30	0.23	0.20	0.20
	• Lubricated PA	0.13	0.13	0.12	0.11	0.11
	• Steel	0.25	0.25	0.14	0.14	0.14
Coefficient of friction belt to goods [μ <sub>r</sub> ]	• Glass	0.19	0.19	0.10	0.15	0.15
	• Steel	0.32	0.32	0.13	0.20	0.20
	• Plastic (PET)	0.17	0.17	0.10	0.18	0.18
	• Cardboard	0.22	0.22	0.15	0.20	0.20

### Standard range of belt widths

mm	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.

**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 material selection** refer to detailed material properties pages 9-11 and for colors see table page 22.

**Coefficient of friction:** The indicated values are valid for dry and clean conditions only. Under dirty conditions this factor may be 2 to 3 times higher.

**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force is dependent 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, page 118.