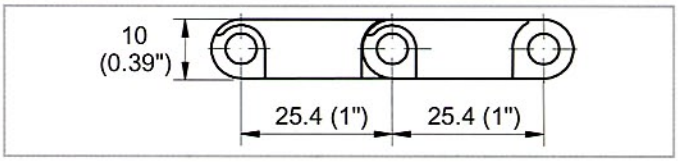
Product Data Series M2500
M2533 Flush Grid 1"

Description

- 35% open area; 60% open contact area; largest opening 5.5x7 mm *(0.22"x0.28")*
- Excellent for cooling and draining
- Open hinge
- Superior cleanability
- 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		Polyamide +US	Polyamide
Standard rod material		PP	PE	PP	PA	PA	PA
Nominal tensile strength [F'_N]	N/m *lb/ft*	13'000 *890*	8'000 *548*	18'000 *1'232*	22'000 *1'507*	20'000 *1'370*	20'000 *1'370*
Temperature range	°C short-term °F *short-term*	5 – 105 *40 – 220*	-70 – 65 *-94 – 150*	5 – 90 *40 – 195*	-40 – 90 *-40 – 195*	-46 – 116 +135 *-50 – 240* *+275*	-46 – 130 +160 *-50 – 266* *+ 320*
Belt weight [m_B]	kg/m² *lb/sqft*	4.6 *0.94*	5.1 *1.04*	7.1 *1.45*	7.1 *1.45*	5.6 *1.15*	5.6 *1.15*
Coefficient of friction belt to support [μ_G]	• UHMW PE	0.13	0.25	0.10	0.10	0.14	0.14
	• HDPE	0.11	–	0.08	0.08	0.14	0.14
	• PA6, PA66	0.30	0.23	0.20	0.20	–	–
	• Lubricated PA	0.13	0.12	0.11	0.11	0.13	0.13
	• Steel	0.25	0.14	0.14	0.14	0.19	0.19
Coefficient of friction belt to goods [μ_P]	• Glass	0.19	0.10	0.15	0.15	0.17	0.17
	• Steel	0.32	0.13	0.20	0.20	0.19	0.19
	• Plastic (PET)	0.17	0.10	0.18	0.18	0.12	0.12
	• Cardboard	0.22	0.15	0.20	0.20	0.17	0.17

Standard range of belt widths

mm	150	200	250	300	350	400	450	500	550	600	650	700	750	800	etc.
inch (nom.)	*6*	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*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")*.

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.