

HabasitLINK® M2470 Flat Top 1" MTW



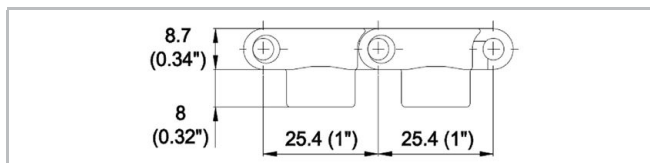
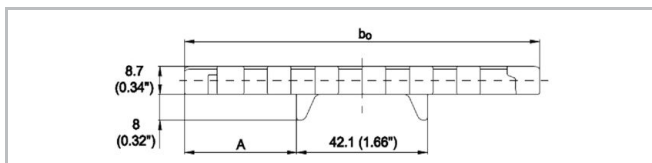
Description

- Mold to width flat top belt
- Imperial widths
- 8.7 mm (0.34") thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 4.5 mm (0.18")
- Headless Smart Fit rod retention
- Strong closed edges
- Beveled edges for smooth side transfer
- Lug teeth sprockets
- Two versions:
 - M2470Kxx (modules without tabs),
 - M2470Kxx-T20 (modules with 2 tabs)



Available accessories

- For standard guiding profiles, refer to the Habiplast® brochure



Belt data

	Nominal belt width b_0		A		Belt material	Rod material	Nominal tensile strength F_N straight run		Belt weight m_B	
	mm	inch	mm	inch			N	lbf	kg/m	lb/ft
M2470K03	83	3.3	20.1	0.80	POM	PP	1300	293	0.72	0.48
M2470K03	83	3.3	20.1	0.80	POM	PBT	1600	360	0.72	0.48
M2470K03	83	3.3	20.1	0.80	POM	PA	1850	416	0.72	0.48
M2470K04	114	4.5	36.0	1.40	POM	PP	1900	428	0.99	0.67
M2470K04	114	4.5	36.0	1.40	POM	PBT	2300	518	0.99	0.67
M2470K04	114	4.5	36.0	1.40	POM	PA	2600	585	0.99	0.67
M2470K06	152	6.0	55.1	2.20	POM	PP	2800	630	1.35	0.91
M2470K06	152	6.0	55.1	2.20	POM	PBT	3400	765	1.35	0.91
M2470K06	152	6.0	55.1	2.20	POM	PA	4300	968	1.35	0.91
M2470K07	190	7.5	74.1	2.90	POM	PP	3600	810	1.66	1.12
M2470K07	190	7.5	74.1	2.90	POM	PBT	4300	968	1.66	1.12
M2470K07	190	7.5	74.1	2.90	POM	PA	5500	1238	1.66	1.12

The belt weights are indicated for belts with tabs, the weight of belts without tabs are lower by circa 0.05 kg/m (0.03 lb/ft).

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

Diameter of idling rollers (minimum)		Diameter of support rollers (minimum)		Diameter for gravity take-up and center drive rollers (minimum)	
mm	inch	mm	inch	mm	inch
50	2	50	2	100	4



Temperature range

Module material	Rod material	Temperature range	
POM	PA	-40 °C to +93 °C	-40 °F to +200 °F
POM	PBT	-40 °C to +93 °C	-40 °F to +200 °F
POM	PP	+5 °C to +93 °C	+40 °F to +200 °F

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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