

# HabasitLINK®

## M2670 Flat Top Heavy Duty 1" MTW



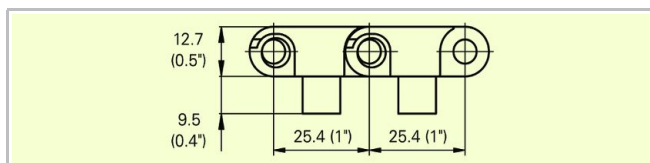
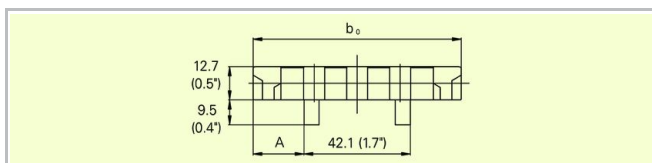
### Description

- Mold to width heavy duty belt
- Imperial widths
- 12.7 mm (0.5") thick
- High strength and stiffness
- 0% open area
- Closed hinge
- Rod diameter 6 mm (0.22")
- Smart Fit rod retention
- Double row solid and split sprockets
- Two versions:
  - M2670Kxx (modules without tabs),
  - M2670Kxx-T2 (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
M2670K03-T2	83	3.3	20.1	0.80	POM	PA	3200	720	1.16	0.78
M2670K03-T2	83	3.3	20.1	0.80	POM	PBT	2200	495	1.16	0.78
M2670K03-T2	83	3.3	20.1	0.80	PP	PA	1800	405	0.81	0.54
M2670K03-T2	83	3.3	20.1	0.80	PP	POM	1800	405	0.81	0.54
M2670K03-T2	83	3.3	20.1	0.80	PP	PP	1700	383	0.81	0.54
M2670K04-T2	114	4.5	36.0	1.40	POM	PA	4500	1013	1.62	1.09
M2670K04-T2	114	4.5	36.0	1.40	POM	PBT	3400	765	3.62	1.09
M2670K04-T2	114	4.5	36.0	1.40	PP	PA	2600	585	1.13	0.76
M2670K04-T2	114	4.5	36.0	1.40	PP	POM	2600	585	1.13	0.76
M2670K04-T2	114	4.5	36.0	1.40	PP	PP	2300	518	1.13	0.76
M2670K06-T2	152	6.0	55.1	2.20	POM	PA	6100	1372	2.21	1.49
M2670K06-T2	152	6.0	55.1	2.20	POM	PBT	4600	1035	2.21	1.49
M2670K06-T2	152	6.0	55.1	2.20	PP	PA	3800	855	1.54	1.03
M2670K06-T2	152	6.0	55.1	2.20	PP	POM	3800	855	1.54	1.03
M2670K06-T2	152	6.0	55.1	2.20	PP	PP	3200	720	1.54	1.03
M2670K07-T2	191	7.5	74.1	2.90	POM	PA	8000	1800	2.67	1.79
M2670K07-T2	191	7.5	74.1	2.90	POM	PBT	5700	1283	2.67	1.79
M2670K07-T2	191	7.5	74.1	2.90	PP	PA	5000	1125	1.86	1.25
M2670K07-T2	191	7.5	74.1	2.90	PP	POM	5000	1125	1.86	1.25
M2670K07-T2	191	7.5	74.1	2.90	PP	PP	4800	1080	1.86	1.25

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.

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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
PP	PA	+5 °C to +105 °C	+40 °F to +220 °F
PP	POM	+5 °C to +93 °C	+40 °F to +200 °F
PP	PP	+5 °C to +105 °C	+40 °F to +220 °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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