

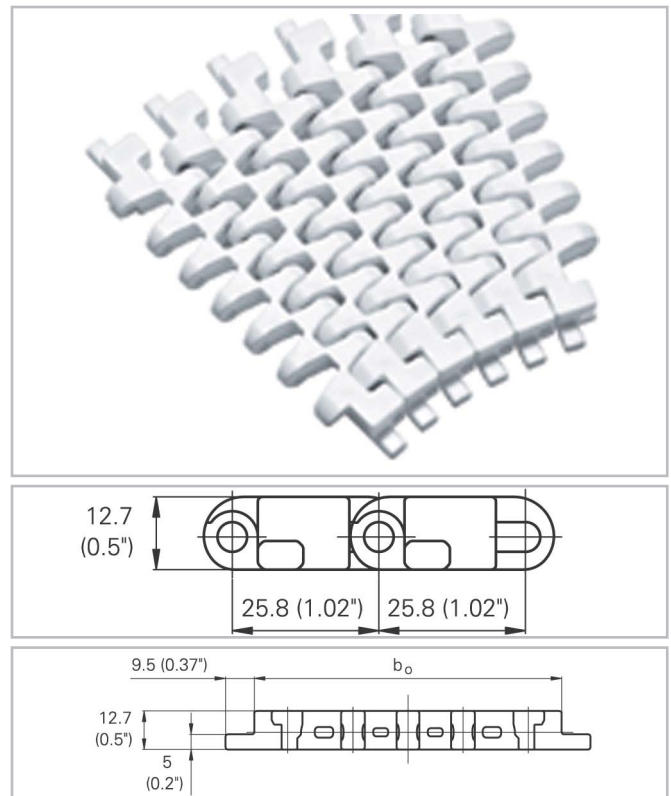
# HabasitLINK®

## M2544 Tight Radius 1" MTW



### Description

- Mold to width radius belt
- For radius and straight conveying, ideal for applications with limited space
- Collapse factor:
  - M2544K04: 1.25
  - M2544K06: 1.32
- Open area: 38 % (M2544K04), 32 % (M2544K06)
- Open contact area: 64 %
- largest opening (belt edge):
  - 4" width: 7.6 mm x 14.5 mm (0.30" x 0.57")
  - 6" width: 10.0 mm x 12.8 mm (0.38" x 0.50")
- largest opening (middle of belt) for 4" and 6":
  - 7.6 mm x 10.6 mm (0.30" x 0.39")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (0.2")



### Belt data

	Nominal belt width $b_0$		Belt material	Rod material	Nominal tensile strength $F_N$ straight run		Nominal tensile strength $F_N$ in curve <sup>(1)</sup>		Belt weight $m_B$	
	mm	inch			N	lbf	N	lbf	kg/m	lb/ft
M2544K04	101.4	4.0	POM	PA	1500	338	1000	225	0.87	0.58
M2544K04	101.4	4.0	PP	PA	1200	270	600	135	0.60	0.40
M2544K04	101.4	4.0	PP	POM	1200	270	600	135	0.60	0.40
M2544K06	152.2	6.0	POM	PA	2500	563	1000	225	1.29	0.87
M2544K06	152.2	6.0	PP	PA	1800	404	600	135	0.87	0.58
M2544K06	152.2	6.0	PP	POM	1800	404	600	135	0.87	0.58

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)		Backbending radius for elevators without sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	50	2	100	4	150	6

### Temperature range

Module material	Rod material	Temperature range	
POM	PA	-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

**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.

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