

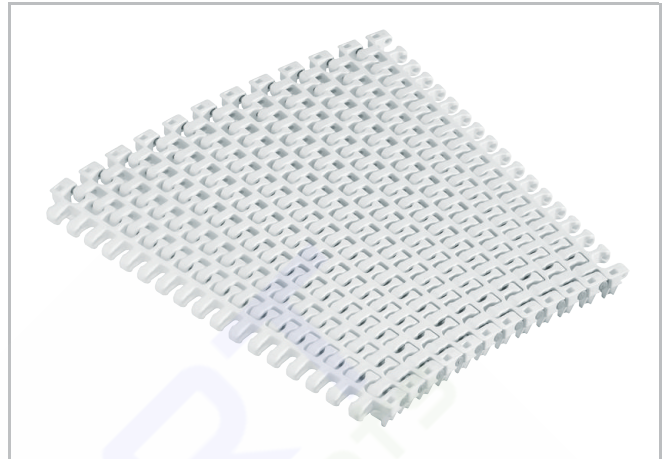
# HabasitLINK®

## M2540 Radius Flush Grid 1" MTW



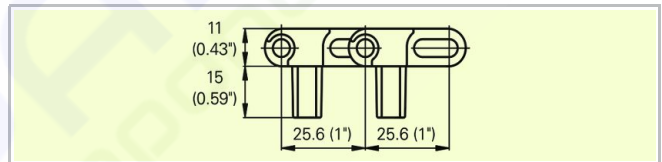
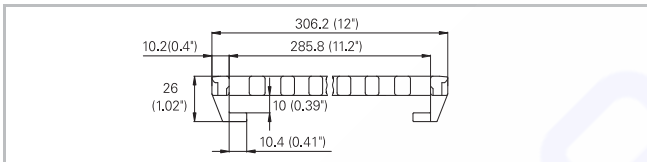
### Description

- Mold to width radius belt 12" (306 mm) wide, for radius and straight conveying
- Collapse factor 2.1
- Hold-down tab on both edges
- 35% open area; 53% open contact area; largest opening 6x12.5 mm (0.24"x0.49")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (0.2")
- Open window sprockets



### Available accessories

- Clip-on side guards
- Lane divider



### Belt data

Belt material		PP		POM
Rod material		POM	PA	
Nominal tensile strength $F_N$ in curve <sup>(1)</sup>	N	1000	1000	1500
	lbf	225	225	338
Temperature range	°C	5 - 93	5 - 105	-40 - 93
	°F	40 - 200	40 - 220	-40 - 200
Belt weight $m_B$	kg/m <sup>2</sup>	4.7	4.7	7.0
	lb/sqft	0.96	0.96	1.44

<sup>(1)</sup> The indicated nominal tensile strength refers to 12" (306 mm) belt width. For  $b_0 > 12$ " higher values admissible, please contact your Habasit representative.

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 side guards or hold down devices (minimum)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250.0	10

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

### Standard range of belt widths $b_0$ and collapse factor $Q$ ( $R_{min} = Q \times b_0$ )

Belt width mm (nom.)	206	256	306 MTW	356	406	456	506	556	606
Belt width inch (nom.)	8	10	12	14	16	18	20	22	24
Collapse factor $Q$	2.03	2.07	2.10	2.12	2.14	2.15	2.16	2.17	2.18

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

For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

For POM material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% for wider belts.

### Standard belt widths: The belt is produced as mold to width belt 12" (306 mm) Non-standard belt widths:

M2540 MTW can also be used as bricklaid in 50 mm (2") increments. Non-standard widths are offered in increments of 16.66 mm (0.66").

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**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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