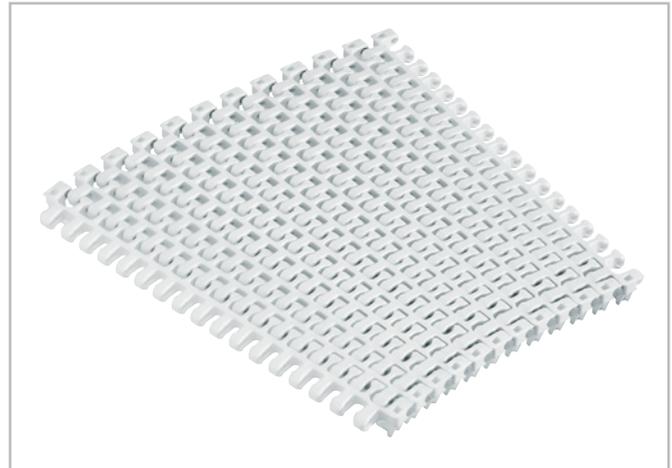


# HabasitLINK® Radius 1" Pitch Belting M2540 Radius Flush Grid 1" MTW



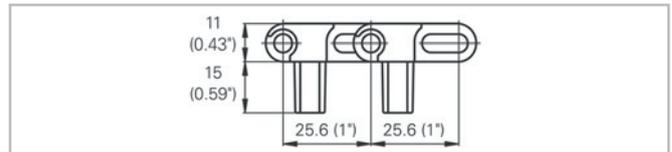
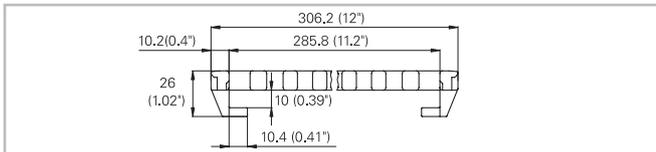
## Description

- Mold to width radius belt 12" (306 mm) wide, for radius and straight conveying
- Collapse factor 2.1
- Hold down device 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

- Flights
- Sideguards
- Lane divider



## Belt data

Belt material		PP		POM	
Rod material		POM		PA	
Nominal tensile strength $F_N$ straight run	N <i>lbf</i>	5810 1307	5810 1307	8260 1858	
Nominal tensile strength $F_N$ in curve <sup>(1)</sup>	N <i>lbf</i>	1000 225	1000 225	1500 338	
Temperature range	°C °F	5 - 93 40 - 200	5 - 105 40 - 220	-40 - 93 -40 - 200	
Belt weight $m_B$	kg/m <sup>2</sup> <i>lb/sqft</i>	4.7 0.96	4.7 0.96	7.0 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 sideguards or hold down devices (minimum)		Backbending radius for elevators with sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250	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	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.

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**Standard belt widths:** The belt is produced as mold to width belt 12" (306 mm) and can also be used as brick-layed in 50 mm (2") increments. Non-standard widths are offered in increments of 16.66 mm (0.66").

**For detailed material properties** refer to the HabasitLINK® Engineering Guidelines or contact your Habasit representative.

**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.

#### **Product liability, application considerations**

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