

# HabasitLINK® Radius 2" Pitch Belting M5290 Radius Flush Grid 2"

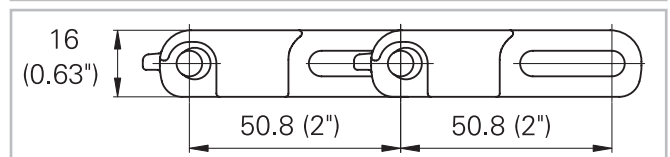
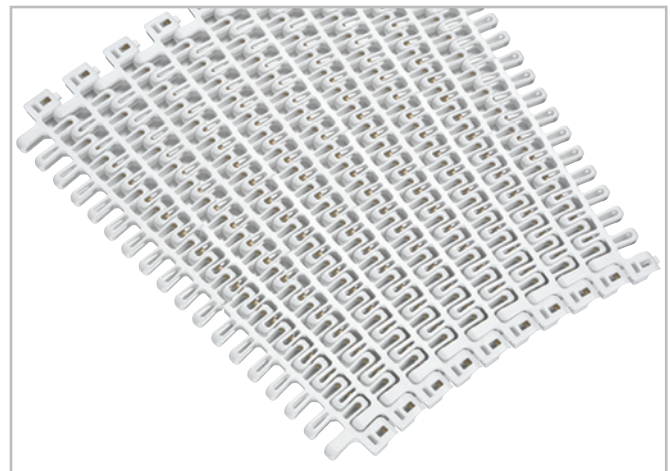


## Description

- For radius and straight conveying, ideal for spiral applications (collapse factor 2.2)
- 55% open area; 85% open contact area; largest opening 15x17 mm (0.6"x0.67")
- Imperial belt width
- Food approved materials available
- Excellent for cooling and draining
- Rod diameter 6 mm (0.24")
- Smart Fit rod retention
- Large distance between wearstrips possible; max. 635 mm (25")
- Min. width 508 mm (20")

## Available accessories

- Sideguards



## Belt data

Belt material		PP	POM +JM
Rod material		POM	PA
Nominal tensile strength $F'_N$ straight run	N/m lb/ft	15000 1028	21000 1439
Nominal tensile strength $F_N$ in curve <sup>(1)</sup>	N lbf	2330 516	2500 562
Temperature range	°C °F	5 - 93 40 - 200	-40 - 93 -40 - 200
Belt weight $m_B$	kg/m <sup>2</sup> lb/sqft	5.2 1.07	8.1 1.66

<sup>(1)</sup> For  $b_0 > 610$  mm (24") higher values are admissible.

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
100	4	100	4	150	6	150	6

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

Belt width mm (nom.)	508	559	610	660	711	762	813	864	914	965	1016	1067	1118	1168
Belt width inch (nom.)	20	22	24	26	28	30	32	34	36	38	40	42	44	46
Collapse factor Q	2.13	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20	2.20	2.20	2.21
Belt width mm (nom.)	1219	1270	1321	1372	1422	1473	1524	1575						
Belt width inch (nom.)	48	50	52	54	56	58	60	62						
Collapse factor Q	2.21	2.21	2.21	2.21	2.22	2.22	2.22	2.22						

Belt widths larger than 1600 mm (63") are not recommended; please contact Habasit.

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

**Standard belt widths** in increments of 1" (25.4 mm).

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**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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