

HabasitLINK®

M5290 Radius Flush Grid 2"

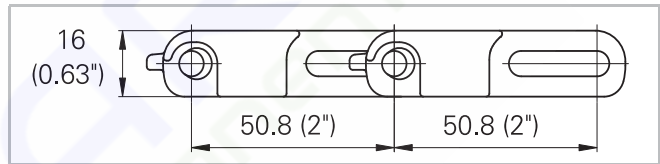
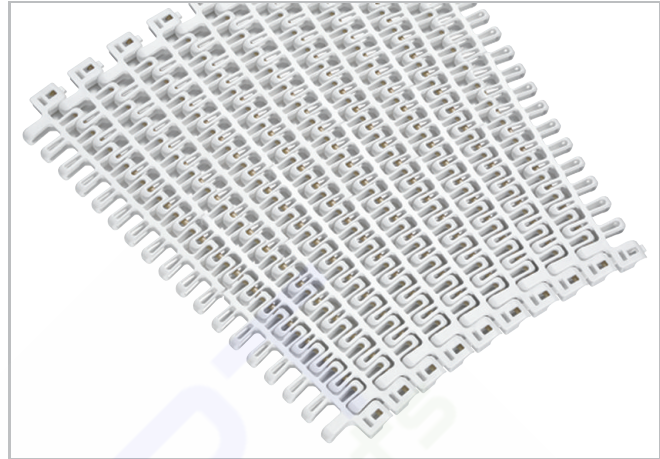


Description

- 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

- Clip-on side guards
- Lane dividers



Belt data

Belt material		POM	PP
Rod material		PA	POM
Nominal tensile strength F'_N straight run	N/m lb/ft	21000 1439	15000 1028
Nominal tensile strength F_N in curve ⁽¹⁾ metric For PDS only	N lbf	3200 720	2330 516
Temperature range	°C	-40 - 93	5 - 93
	°F	-40 - 200	40 - 200
Belt weight m_B	kg/m ²	7.5	5.2
	lb/sqft	1.54	1.07

⁽¹⁾ 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 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
100	4	100	4	150	6	150	6	150.0	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.

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 in increments of 1" (25.4 mm).

For detailed material properties refer to the HabasitLINK® Engineering Guidelines.

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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.

Protection type: IP 1X (DIN EN 60259 / IEC 529)

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