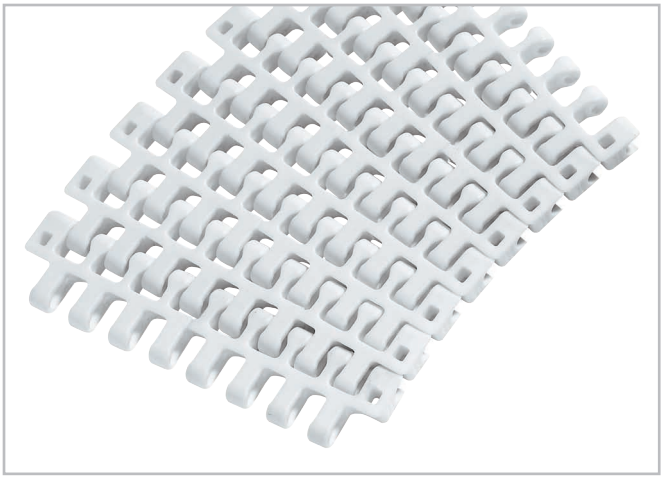
HabasitLINK®
M2540 Radius Flush Grid 1"

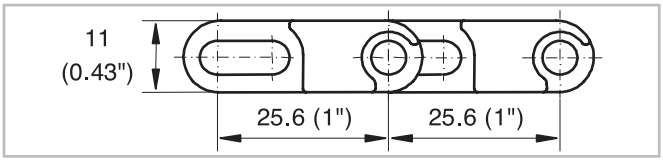
Description

- For radius and straight conveying (collapse factor 2.2)
- 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")

Available accessories

- Flights
- Sideguards
- Hold down devices
- GripTop modules
- Lane divider





Belt data

Belt material		PP		POM	PA +US	PA
Rod material		POM	PA			
Nominal tensile strength F'_N straight run	N/m *lb/ft*	19000 *1300*	19000 *1300*	27000 *1850*	25000 *1713*	25000 *1713*
Nominal tensile strength F_N in curve [1]	N *lbf*	1000 *225*	1000 *225*	1500 *338*	1300 *293*	1300 *293*
Temperature range	°C *°F*	5 - 93 40 - *200*	5 - 105 40 - *220*	-40 - 93 -40 - *200*	-46 - 116 -50 - *240*	-46 - 130 -50 - *266*
Temperature maximum (short-term)	°C *°F*				135 *275*	160 *320*
Belt weight m_B	kg/m² *lb/sqft*	4.7 *0.96*	4.7 *0.96*	7.0 *1.44*	6.0 *1.23*	6.0 *1.23*

[1] For b_0 > 300 mm (12") higher values admissible. Refer to LINK-SeleCalc

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*
40	*1.6*	50	*2*	100	*4*	150	*6*	250	*10*

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

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Standard range of belt widths b_0 and collapse factor Q (R_{min} = Q x b_0)

Belt width mm (nom.)	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Belt width inch (nom.)	*8*	*10*	*12*	*14*	*16*	*18*	*20*	*22*	*24*	*26*	*28*	*30*	*32*	*34*
Coll. fact. Q	2.03	2.07	2.10	2.12	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20
Belt width mm (nom.)	900	950	1000	1050	1100	1150	1200							
Belt width inch (nom.)	*36*	*38*	*40*	*42*	*43*	*45*	*47*							
Coll. fact. Q	2.20	2.20	2.21	2.21	2.21	2.21	2.21							

Belt widths larger than 1200 mm (48") 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 50 mm (2"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25").

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.

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