

HabasitLINK® Radius 1" Pitch Belting M2544 Tight Radius 1"

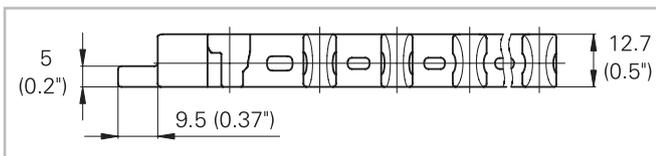
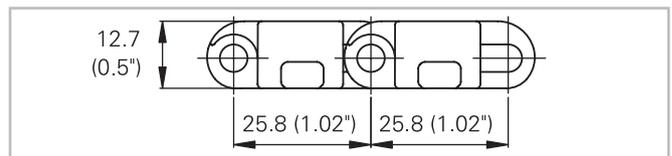
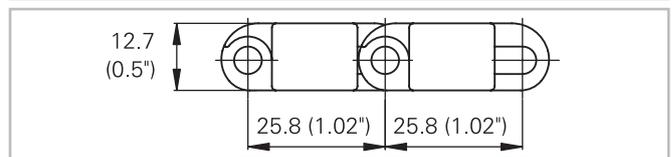


Description

- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm (0.26"x0.47")
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm (0.2")

Contact Habasit for accessories

- GripTop modules
- Lane divider
- Side tabs
- Sideguards



Belt data

Belt material		PP		POM	POM +JM
Rod material		POM		PA	
Nominal tensile strength F'_N straight run	N/m	14000	14000	20000	20000
	lb/ft	959	959	1370	1370
Nominal tensile strength F_N in curve ⁽¹⁾	N	600	600	1100	1100
	lbf	135	135	247	247
Temperature range	°C	5 - 93	5 - 105	-40 - 93	-40 - 93
	°F	40 - 200	40 - 220	-40 - 200	-40 - 200
Belt weight m_B	kg/m ²	5.8	5.8	8.4	8.4
	lb/sqft	1.19	1.19	1.72	1.72

⁽¹⁾ For $b_0 > 600$ mm (23.6") 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)	
mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	50	2	100	4	150	6

HabasisLINK® Radius 1" Pitch Belting M2544 Tight Radius 1"



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

Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
Belt width inch (nom.)	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
Coll. fact. Q	1.43	1.47	1.50	1.52	1.54	1.55	1.56	1.57	1.58	1.58	1.59	1.61	1.62	1.63	1.64
Belt width mm (nom.)	1000	1050	1100	1150	1200										
Belt width inch (nom.)	40	42	44	46	48										
Coll. fact. Q	1.65	1.66	1.66	1.70	1.71										

Belt widths larger than 1200 mm (48") are not recommended. *Please contact Habasis.*
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 200 mm (7.9").

For detailed material properties refer to the HabasisLINK® Engineering Guidelines or contact your Habasis 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 HabasisLINK® Engineering Guidelines.

Product liability, application considerations

If the proper selection and application of Habasis products are not recommended by an authorized Habasis sales specialist, the selection and application of Habasis products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice.

BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIS'S AND ITS AFFILIATED COMPANIES CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.