HabasitLINK® M2544 Tight Radius GripTop 1"

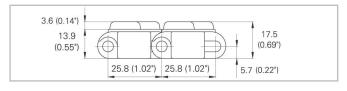


Description

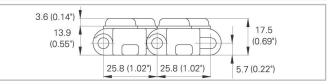
- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm (0.26"x0.47")
- Excellent for cooling and draining
- Abrasion resistant GripTop, high friction
- Food approved materials available
- Rod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

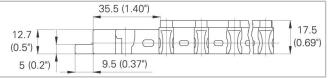
Contact Habasit for accessories

- Adjustable radius plugs available: sizes 1.9, 2.2 and 3.0 turning radius
- Side tabs
- Sideguards









Belt data

Belt material		PP						
GripTop material		TPE						
Rod material		POM	PA					
Nominal tensile strength F' _N straight run	N/m	14000	1400					
	lb/ft	<i>959</i>	<i>959</i>					
Nominal tensile strength F_N in curve $^{(1)}$	N	600	600					
	Ibf	<i>135</i>	<i>135</i>					
Temperature range	°C	5 - 60	5 - 60					
	°F	40 - <i>140</i>	40 - <i>140</i>					
Belt weight m _B	kg/m²	7.2	7.2					
	<i>lb/sqft</i>	1.47	1.47					

	Diameter of idling rollers Diameter of support rol (minimum) (minimum)				vity take-up and ve rollers mum)	Backbending radius for eleva- tors without sideguards or hold down devices (minimum)			
mm	inch	mm	inch	mm	inch	mm	inch		
40	1.6	50	2	100	4	150	6		

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

		- 0					1111111							
250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
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
1.65	1.69	1.73	1.75	1.77	1.78	1.79	1.81	1.81	1.82	1.83	1.83	1.84	1.84	1.85
1.93	1.98	2.02	2.05	2.07	2.09	2.10	2.11	2.12	2.13	2.14	2.14	2.15	2.15	2.16
2.71	2.78	2.83	2.87	2.90	2.92	2.94	2.95	2.97	2.98	2.99	3.00	3.01	3.01	3.02
1000	1050	1100	1150	1200										
40	42	44	46	48										
1.65	1.66	1.66	1.70	1.71										
1.85	1.86	1.86	1.86	1.86										
2.16	2.17	2.17	2.18	2.18										
3.02	3.03	3.03	3.04	3.04										
	10 1.43 1.65 1.93 2.71 1000 40 1.65 1.85 2.16	10 12 1.43 1.47 1.65 1.69 1.93 1.98 2.71 2.78 1000 1050 40 42 1.65 1.66 1.85 1.86 2.16 2.17	10 12 14 1.43 1.47 1.50 1.65 1.69 1.73 1.93 1.98 2.02 2.71 2.78 2.83 1000 1050 1100 40 42 44 1.65 1.66 1.66 1.85 1.86 1.86 2.16 2.17 2.17	10 12 14 16 1.43 1.47 1.50 1.52 1.65 1.69 1.73 1.75 1.93 1.98 2.02 2.05 2.71 2.78 2.83 2.87 1000 1050 1100 1150 40 42 44 46 1.65 1.66 1.66 1.70 1.85 1.86 1.86 1.86 2.16 2.17 2.17 2.18	10 12 14 16 18 1.43 1.47 1.50 1.52 1.54 1.65 1.69 1.73 1.75 1.77 1.93 1.98 2.02 2.05 2.07 2.71 2.78 2.83 2.87 2.90 1000 1050 1100 1150 1200 40 42 44 46 48 1.65 1.66 1.66 1.70 1.71 1.85 1.86 1.86 1.86 1.86 2.16 2.17 2.17 2.18 2.18	10 12 14 16 18 20 1.43 1.47 1.50 1.52 1.54 1.55 1.65 1.69 1.73 1.75 1.77 1.78 1.93 1.98 2.02 2.05 2.07 2.09 2.71 2.78 2.83 2.87 2.90 2.92 1000 1050 1100 1150 1200 40 42 44 46 48 1.65 1.66 1.66 1.70 1.71 1.85 1.86 1.86 1.86 1.86 2.16 2.17 2.17 2.18 2.18	10 12 14 16 18 20 22 1.43 1.47 1.50 1.52 1.54 1.55 1.56 1.65 1.69 1.73 1.75 1.77 1.78 1.79 1.93 1.98 2.02 2.05 2.07 2.09 2.10 2.71 2.78 2.83 2.87 2.90 2.92 2.94 1000 1050 1100 1150 1200 40 42 44 46 48 1.65 1.66 1.66 1.70 1.71 1.85 1.86 1.86 1.86 1.86 2.16 2.17 2.17 2.18 2.18	250 300 350 400 450 500 550 600 10 12 14 16 18 20 22 24 1.43 1.47 1.50 1.52 1.54 1.55 1.56 1.57 1.65 1.69 1.73 1.75 1.77 1.78 1.79 1.81 1.93 1.98 2.02 2.05 2.07 2.09 2.10 2.11 2.71 2.78 2.83 2.87 2.90 2.92 2.94 2.95 1000 1050 1100 1150 1200 1200 1200 1200 40 42 44 46 48 1.86 1.86 1.86 1.86 1.85 1.86 1.86 1.86 1.86 1.86 1.86 1.86 2.16 2.17 2.17 2.18 2.18 1.88 1.86	250 300 350 400 450 500 550 600 650 10 12 14 16 18 20 22 24 26 1.43 1.47 1.50 1.52 1.54 1.55 1.56 1.57 1.58 1.65 1.69 1.73 1.75 1.77 1.78 1.79 1.81 1.81 1.93 1.98 2.02 2.05 2.07 2.09 2.10 2.11 2.12 2.71 2.78 2.83 2.87 2.90 2.92 2.94 2.95 2.97 1000 1050 1100 1150 1200 1200 1200 1200 1200 40 42 44 46 48 1.86 <td< td=""><td>250 300 350 400 450 500 550 600 650 700 10 12 14 16 18 20 22 24 26 28 1.43 1.47 1.50 1.52 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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"). Min. width: 200 mm (8")

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

If the proper selection and application of Habasit products are <u>not</u> recommended by an authorized Habasit sales specialist, the selection and application of Habasit 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.

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