HabasitLINK® M2544 Tight Radius GripTop 1"



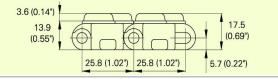
Description

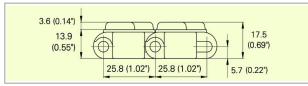
- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm (0.26"x0.47")
- Indent 35.5 mm (1.4")
- Excellent for cooling and draining
- Abrasion resistant GripTop, high friction
- Food approved materials available
- Rod diameter 5 mm (0.2")

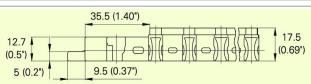
Available accessories

- Adjustable radius plugs available: sizes 1.9, 2.2 and 3.0 turning radius
- Side tabs
- Clip-on side guards









Belt data

Belt material		РР						
GripTop material		TPE						
Rod material		POM	PA					
Nominal tensile strength F' _N	N/m	14000	1400					
straight run	lb/ft	959	959					
Nominal tensile strength $F_{\scriptscriptstyle N}$ in	N	600	600					
Curve (1)	lbf	135	135					
Temperature range	°C	5 - 60	5 - 60					
	°F	40 - 140	40 - 140					
Belt weight m _B	kg/m²	7.2	72					
	lb/sqft	1.47	1.47					

Diameter of idling rollers (minimum)			support rollers mum)	and center	gravity take-up drive rollers mum)	Backbending radius for elevators without side guards or hold down devices (minimum)			
mm	inch	mm	inch	mm	inch	mm	inch		
50	2	50	2	100	4	150	6		

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

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
Fact. Q plug 1.9	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
Fact. Q plug 2.2	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
Fact. Q plug 3.0	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
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										
Fact. Q plug 1.9	1.85	1.86	1.86	1.86	1.86										
Fact. Q plug 2.2	2.16	2.17	2.17	2.18	2.18										
Fact. Q plug 3.0	3.02	3.03	3.03	3.04	3.04										

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.

For PP 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 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.

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.

Disclaime

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