

HabasitLINK®

M2544 Tight Radius 1"

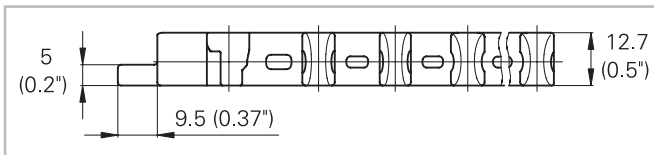
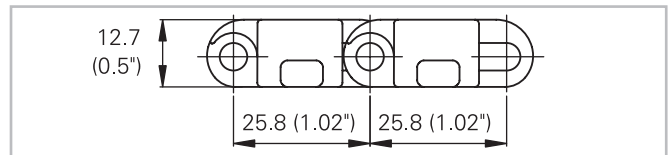
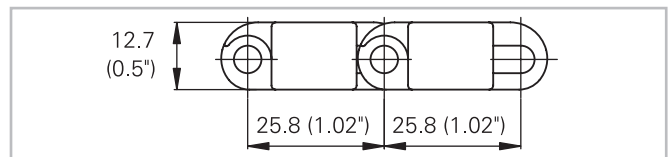


Description

- 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

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



Belt data

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

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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 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.

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