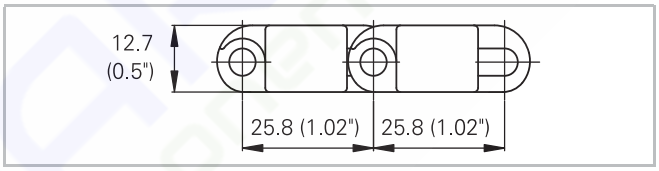
HabasitLINK®
M2544 Tight Radius 1"

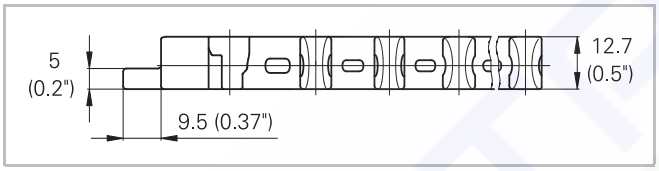
Description

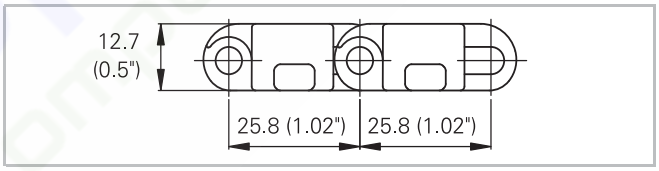
- For radius and straight conveying, ideal for applications with limited space (collapse factor 1.6)
- 38% open area; 75% open contact area; largest opening 6.5x12 mm *(0.26"x0.47")*
- Excellent for cooling and draining
- Easy to clean
- Food approved materials available
- Rod diameter 5 mm *(0.2")*

Available accessories

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







Belt data

Belt material		POM	PP	
Rod material		PA		POM
Nominal tensile strength F'_N straight run	N/m *lb/ft*	20000 *1370*	14000 *959*	14000 *959*
Nominal tensile strength F_N in curve (1) metric For PDS only	N *lbf*	1100 *247*	600 *135*	600 *135*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	5 - 105 *40 - 220*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	8.4 *1.72*	5.8 *1.19*	5.8 *1.19*

(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 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 x 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 0.4% smaller.
For PP material up to 750 mm *(30")* -3 mm to 0 mm and -0.4% to 0% for wider belts.
For POM material up to 750 mm *(30")* -4 mm to -1 mm and -0.5% to -0.2% 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")*. Smallest possible width 200 mm *(7.9")*.

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.