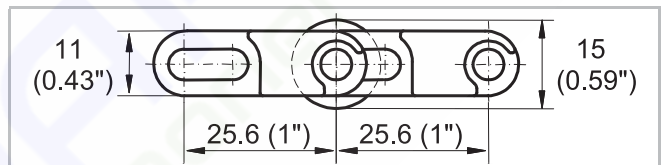
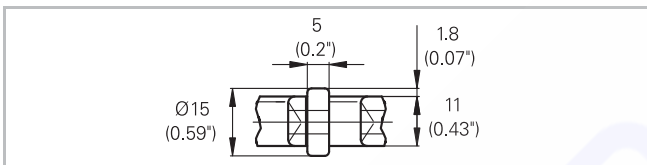
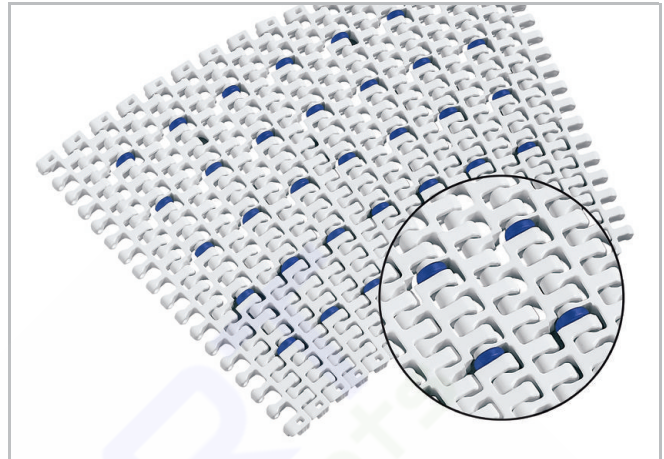


HabasitLINK® M2540 Roller Top 1"



Description

- For radius and straight conveying
- Collapse factor 2.2 (unchanged)
- 35 % open area; largest opening 6x12.5 mm (0.24"x0.49")
- Roller lateral spacing 50 mm (2")
- Minimum free edge 42 mm (1.6")
- Rollers row spacing 50.8 mm (2")
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for cooling and draining
- Food approved materials available
- Rod diameter 5 mm (0.2")



Belt data

Belt material		POM
Rod material		PA
Roller material		POM
Roller lateral spacing per row	mm / inch	50.0 / 2.00
Roller dimension diameter / width	mm inch	Ø 15 / 5 Ø 0.59 / 0.2
Nominal tensile strength F'_N straight run	N/m lb/ft	22000 1507
Nominal tensile strength F_N in curve ⁽¹⁾	N lbf	1200 270
Temperature range	°C °F	-40 - 93 -40 - 200
Belt weight m_B	kg/m ² lb/sqft	7.0 1.44

⁽¹⁾ For $b_0 > 300$ mm (12") 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

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

Belt width mm (nom.)	200	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
Belt width inch (nom.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	etc.
Coll.fact. Q	2.03	2.07	2.10	2.12	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.20	etc.
Free edge mm	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	42/52	etc.
Free edge inch	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	1.7/2	etc.
Sprocket offset mm	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	29.1	4.2	etc.
Sprocket offset inch	1.1	0.2	1.1	0.2	1.1	0.2	1.1	0.2	1.1	0.2	1.1	0.2	1.1	0.2	etc.
Sprockets	4	5	6	7	8	9	10	11	12	13	14	15	16	17	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	15	16	etc.

Real belt widths are in most cases 0.1% to 0.3% smaller.

For POM 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"). 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.

Disclaimer

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