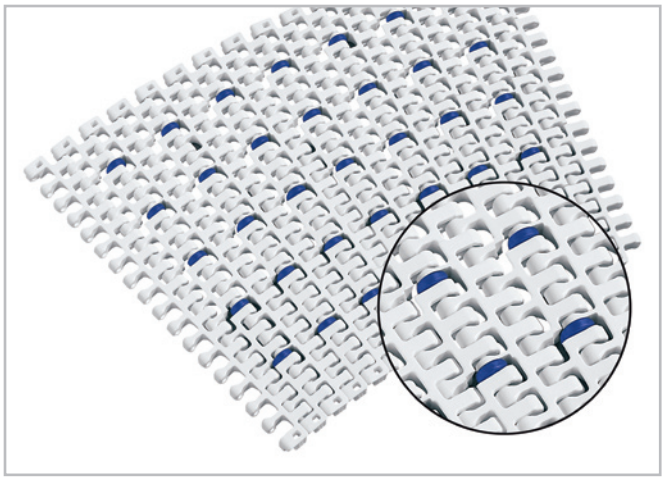
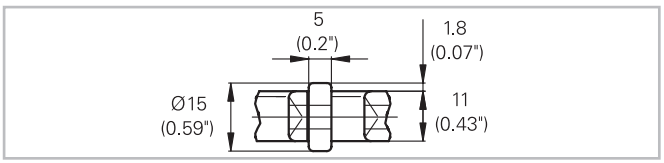
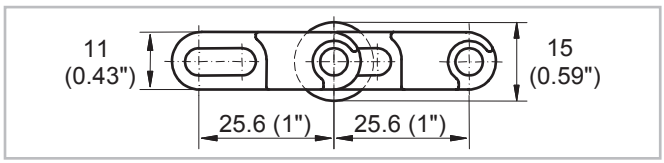
HabasitLINK® Radius 1" Pitch Belting
M2540 Roller Top 1"

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 / *2*
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/m² *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 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, free edge and collapse factor Q (R_{min} = Q x 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.

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 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.