

# HabasitLINK® Radius 1" Pitch Belting M2540 Radius GripTop 1"

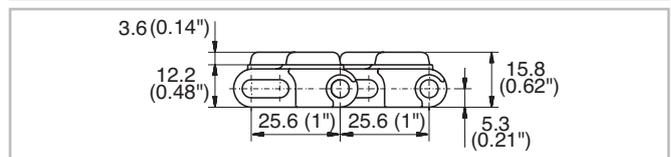


## Description

- For radius and straight conveying, with inclines (collapse factor 2.2)
- 20% open area; largest opening 5x7.5 mm (0.2"x0.3")
- Indent 21 mm (0.83")
- Abrasion resistant GripTop, high friction
- Food approved materials available
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

## Accessories

- Clip-on sideguards



## Belt data

Belt material		PP	
GripTop material		TPE	
Rod material		POM	PA
Nominal tensile strength $F'_N$ straight run	N/m lb/ft	19000 1300	19000 1300
Nominal tensile strength $F_N$ in curve <sup>(1)</sup>	N lbf	1000 225	1000 225
Temperature range	°C	5 - 60	5 - 60
	°F	40 - 140	40 - 140
Belt weight $m_B$	kg/m <sup>2</sup>	6.4	6.4
	lb/sqft	1.31	1.31

<sup>(1)</sup> 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)		Backbending radius for elevators with sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
40	1.6	50	2	100	4	150	6	250	10

Use the largest possible backbending radius for elevators with side guards or hold down devices.

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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.)	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Belt width inch (nom.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34
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
Belt width mm (nom.)	900	950	1000	1050	1100	1150	1200							
Belt width inch (nom.)	36	38	40	42	43	45	47							
Coll. fact. Q	2.20	2.20	2.21	2.21	2.21	2.21	2.21							

Belt widths larger 1200 mm (48") 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 150 mm (5.9").

**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.

### Product liability, application considerations

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