

# HabasitLINK® M2516 Diamond Top 1"

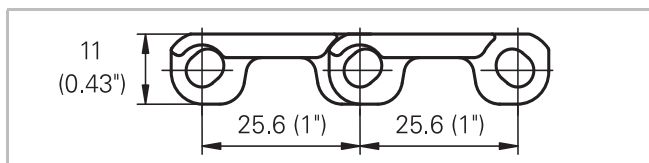
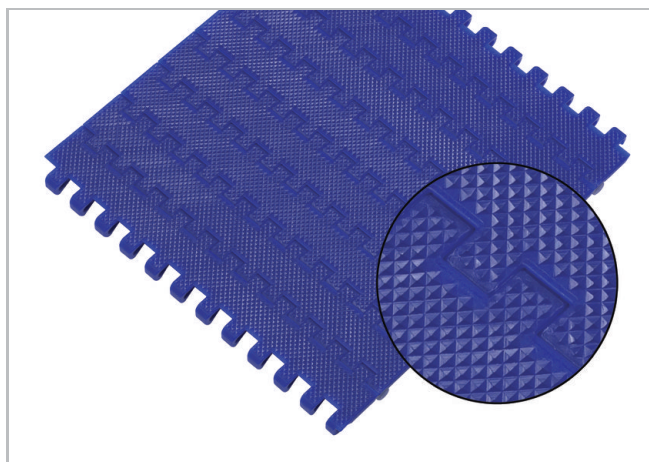


## Description

- 0% open area
- Non-adhesive due to reduced contact surface
- Dynamic open hinge, easy to clean
- Rod diameter 5 mm (0.2")
- "Open window" sprockets
- Food approved materials available
- Optional staggered indent 50/100mm (2"/4")

## Available accessories

- Side guards
- Flights and Scoops
- Hold-down devices



## Belt data

Belt material		PP	PE	POM	
Rod material		PP	PE	PA	
Nominal tensile strength $F'_N$ straight run	N/m	14000	8000	8000	21900
	lb/ft	959	548	548	1500
Temperature range	°C	5 - 105	-70 - 65	-40 - 65	-40 - 93
	°F	40 - 220	-94 - 150	-40 - 150	-40 - 200
Belt weight $m_B$	kg/m <sup>2</sup>	4.9	5.2	7.5	7.5
	lb/sqft	1.01	1.06	1.53	1.53

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)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
50	2	50	2	100	4	150	6	250.0	10

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

## Standard range of belt widths $b_0$

mm (nom.)	50	100	150	200	250	300	350	400	450	500	550	600	650	700	etc.
inch (nom.)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	etc.

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

For PE material up to 750 mm (30") -4 mm to -1 mm and -0.75% to -0.35% for wider belts.

For PP 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"). Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25"). Non-bricklaid belts 200 mm (8") wide.

**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.

# HabasitLINK®

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