

# HabasitLINK® Straight 1" Pitch Belting M2533 GripTop 1"



## Description

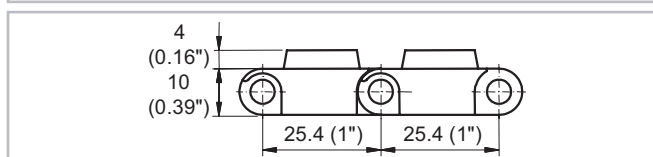
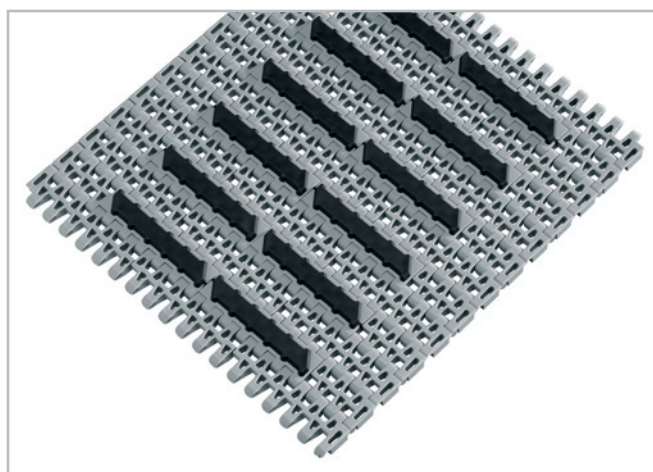
- Open area dependent on percentage of GripTop modules installed, as illustrated approx. 20%
- Food approved materials available
- Abrasion resistant GripTop, high friction
- Rubber hardness: 50 shore A
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

## Proposed pattern

- Indent 50 mm (2")
- GripTop rows every 2nd, 4th, 6th module row (multiples of 50.8 mm (2"))

## Available accessories

- Flights
- Hold down devices



## Belt data

Belt material		PP				POM	
GripTop material		TPE				POM	
Rod material		PP	POM	PP	POM	PP	PA
Nominal tensile strength $F'_N$ straight run	N/m	14000	14000	14000	14000	18000	22000
	lb/ft	959	959	959	959	1233	1507
Temperature range	°C	5 - 60	5 - 60	5 - 60	5 - 60	5 - 60	-40 - 60
	°F	40 - 140	40 - 140	40 - 140	40 - 140	40 - 140	-40 - 140
Belt weight $m_B$	kg/m²	6.5	6.5	6.5	6.5	9.3	9.3
	lb/sqft	1.34	1.34	1.34	1.34	1.91	1.91

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 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.

## Standard range of belt widths $b_0$

mm (nom.)	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	etc.
inch (nom.)	8	12	16	20	24	28	32	36	40	43	47	51	55	59	etc.

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"), minimum indent 33.3 mm (1.5").

**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.

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