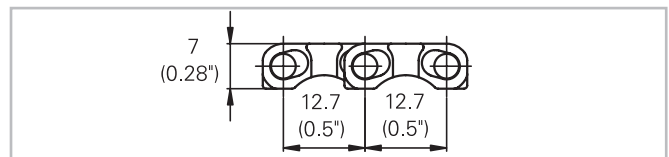
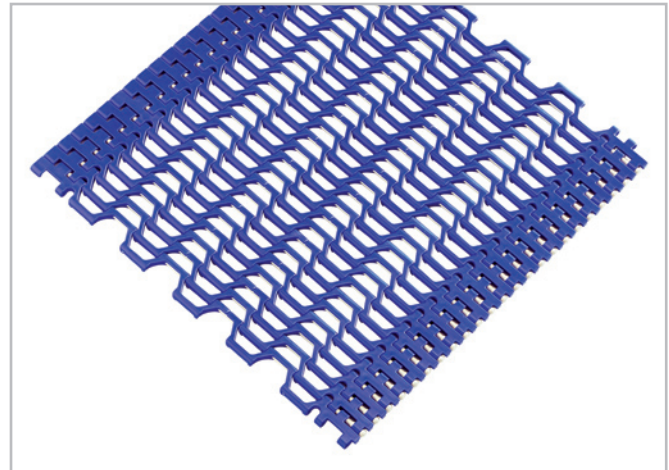


# HabasitLINK® Straight 1/2" Pitch Belting M1185 Flush Grid 0.5"



## Description

- Imperial belt width
- 50% open area; 82% open contact area; largest opening 8x21 mm (0.3"x0.83")
- Open hinge
- Food approved materials available
- Rod diameter 3.6 mm (0.14")
- Smart Fit rod retention
- Double row bidirectional sprocket
- Suitable for Ø 12.7 mm (0.5") nosebar



## Belt data

Belt material		PP		POM		POM +DE	PA	PA +US
Rod material		PP	POM	PA	PBT	PA		
Nominal tensile strength $F'_N$ straight run	N/m	2600	3100	4400	4250	4400	4400	4400
	lb/ft	178	212	301	291	301	301	301
Temperature range	°C	5 - 105	5 - 93	-40 - 93	-40 - 93	-40 - 93	-46 - 130	-46 - 116
	°F	40 - 220	40 - 200	-40 - 200	-40 - 200	-40 - 200	-50 - 266	-50 - 240
Temperature maximum (short-term)	°C						160	135
	°F						320	275
Belt weight $m_B$	kg/m <sup>2</sup>	2.5	2.8	3.6	3.6	3.6	3.1	3.1
	lb/sqft	0.51	0.57	0.75	0.75	0.75	0.64	0.64

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
12	0.5	50	2	75	3	150	6

## Standard range of belt widths $b_0$

mm (nom.)	203	254	305	356	406	457	508	559	610	660	711	762	813	864	etc.
inch (nom.)	8	10	12	14	16	18	20	22	24	26	28	30	32	24	etc.

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

**Standard belt widths** in increments of 50.8 mm (2"). Non-standard widths are offered in increments of 12.7 mm (0.5"). Smallest possible width 177.8 mm (7").

**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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