

# HabasitLINK® M1185 Flush Grid 0.5"

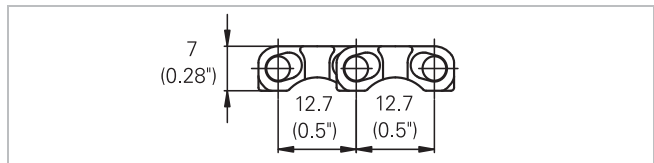
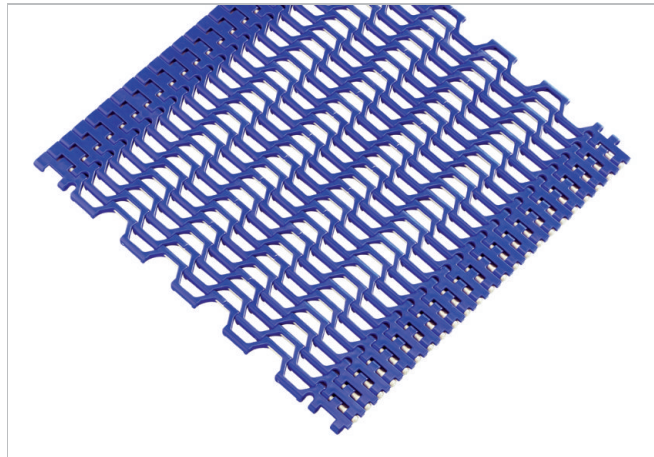


## Description

- Imperial belt width
- 47% open area; 84% 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

## Available accessories

- Saniclip



## Belt data

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

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)	
mm	inch	mm	inch	mm	inch	mm	inch
12	0.50	50	2.00	75	3	150	6

Diameter of idling rollers (min.): <sup>2</sup> Minimum diameter for nosebar transfer.

## 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.

For PP material up to 750 mm (30") -3 mm to 0 mm and -0.3% to 0.1% for wider belts.

For POM 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 50.8 mm (2"). Non-standard widths are offered in increments of 25.4 mm (1"). Smallest possible width 177.8 mm (7").

**Note:** For belts equipped with Saniclip, standard belt widths are possible only.

**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



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tensile force refer to the Calculation Guide in the HabasitLINK® Engineering Guidelines.

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