

HabasitLINK® Straight 1" Pitch Belting M2585 Flush Grid 1"



Description

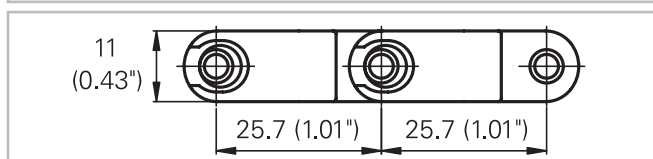
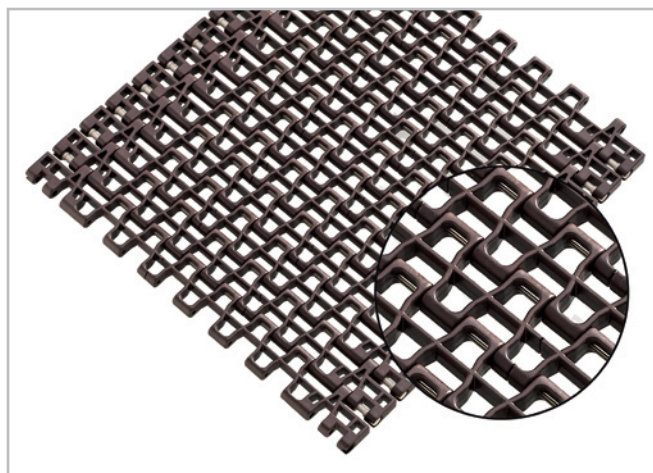
- Imperial belt width
- Excellent for cooling and draining
- Open hinge
- Superior cleanability
- Food approved materials available
- Smart fit rod retention

Version –P0:

- Plastic rod Ø 5mm (0.2") (general applications)
- 48% open area; 88% open contact area; largest openings 10x12 mm (0.4"x0.5") and 4x17 mm (0.15"x0.67")

Version –S0:

- Plastic rodlets with steel floaters Ø 3.5mm (0.14") (high temperature applications)
- 54% open area; 91% open contact area; largest openings 10x12 mm (0.4"x0.5") and 4x17 mm (0.15"x0.67")



Belt data for version -P0 (plastic rod)

Belt material		PP		POM	
Rod material		PP	POM	PA	PBT
Nominal tensile strength F'_N	N/m lb/ft	9500 651	11000 754	15500 1062	10300 705
Temperature range	°C °F	5 - 105 40 - 220	5 - 93 40 - 200	-40 - 93 -40 - 200	-40 - 93 -40 - 200
Belt weight m_B	kg/m² lb/sqft	4.2 0.85	4.2 0.85	6.4 1.31	6.4 1.31

Plastic rod diameter Ø 5 mm (0.2")

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
40	1.6	50	2	100	4	150	6

Standard range of belt widths b_0

mm (nom.)	305	508	711	914	1117	1319	1522	1725	1928	etc.
inch (nom.)	12	20	28	36	44	52	60	68	76	etc.

Standard belt widths in increments of 203.2 mm (8"). Non-standard widths are offered in increments of 33.8 mm (1.3"). Smallest possible width 203.2 mm (8").

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.

HabasitLINK® Straight 1" Pitch Belting M2585 Flush Grid 1"



Belt data for version -S0 (plastic rodlets, steel floaters)

Belt material		PA +GF	PA +HT	ST
Rod material		ST / Steel		
Nominal tensile strength F'_N straight run	N/m lb/ft	20000 1370	22000 1507	10000 685
Temperature range	°C °F	0 - 145 32 - 293	0 - 170 32 - 338	0 - 200 32 - 392
Temperature maximum (short-term)	°C °F	175 347	200 392	240 464
Belt weight m_b	kg/m² lb/sqft	8.0 1.64	8.0 1.64	9.2 1.88

Plastic rodlets Ø 5 mm (0.2") and steel floaters Ø 3.5 mm (0.14")

Standard range of belt widths b_0

mm (nom.)	305	508	711	914	1117	1319	1522	1725	1928	etc.
inch (nom.)	12	20	28	36	44	52	60	68	76	etc.

Standard belt widths in increments of 203.2 mm (8"). Non-standard widths are offered in increments of 33.8 mm (1.3"). Smallest possible width 203.2 mm (8").

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.

Product liability, application considerations

If the proper selection and application of Habasit products are not recommended by an authorized Habasit sales specialist, the selection and application of Habasit products, including the related area of product safety, are the responsibility of the customer. All indications / information are recommendations and believed to be reliable, but no representations, guarantees, or warranties of any kind are made as to their accuracy or suitability for particular applications. The data provided herein are based on laboratory work with small-scale test equipment, running at standard conditions, and do not necessarily match product performance in industrial use. New knowledge and experiences can lead to modifications and changes within a short time without prior notice. BECAUSE CONDITIONS OF USE ARE OUTSIDE OF HABASIT'S AND ITS AFFILIATED COMPANIES CONTROL, WE CANNOT ASSUME ANY LIABILITY CONCERNING THE SUITABILITY AND PROCESS ABILITY OF THE PRODUCTS MENTIONED HEREIN. THIS ALSO APPLIES TO PROCESS RESULTS / OUTPUT / MANUFACTURING GOODS AS WELL AS TO POSSIBLE DEFECTS, DAMAGES, CONSEQUENTIAL DAMAGES, AND FURTHER-REACHING CONSEQUENCES.