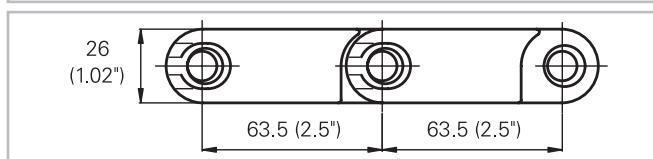
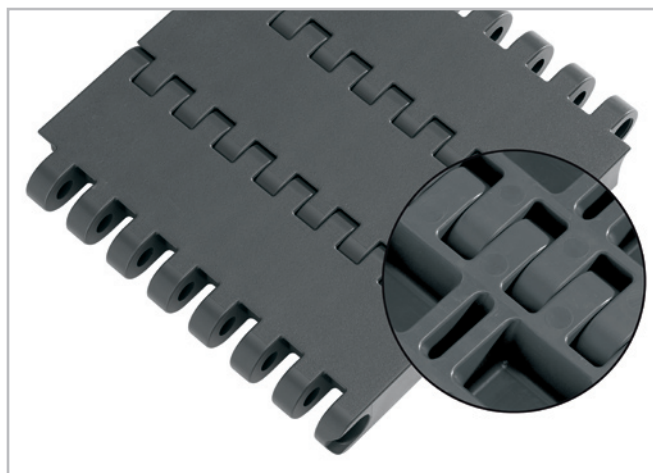


# HabasitLINK® Straight 2-1/2" Pitch Belting M6420 Flat Top Heavy Duty 2.5"



## Description

- Heavy duty belt
- 26 mm (1") thick
- Extremely strong and stiff
- 0% open area
- Closed hinge
- Rod diameter 10 mm (0.39")
- Smart Fit rod retention
- Rough surface
- Antistatic materials available
- Lug teeth solid sprockets



## Belt data

Belt material		PP		PP +AS	
Rod material		POM	PA	POM	PA
Nominal tensile strength $F'_N$	N/m lb/ft	60000 4110	60000 4110	60000 4110	60000 4110
Temperature range	°C °F	5 - 93 40 - 200	5 - 105 40 - 220	5 - 93 40 - 200	5 - 105 40 - 220
Belt weight $m_B$	kg/m² lb/sqft	17.9 3.68	17.9 3.68	17.9 3.68	17.9 3.68

Belt material		POM		POM +AS	
Rod material		PA	Stainless Steel	PA	Stainless Steel
Nominal tensile strength $F'_N$	N/m lb/ft	100000 6854	100000 6854	100000 6854	100000 6854
Temperature range	°C °F	-40 - 93 -40 - 200	-40 - 93 -40 - 200	-40 - 93 -40 - 200	-40 - 93 -40 - 200
Belt weight $m_B$	kg/m² lb/sqft	26.8 5.49	34.8 7.14	26.8 5.49	34.8 7.14

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
100	4	100	4	200	8	200	8

## Standard range of belt widths $b_0$

mm (nom.)	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	etc.
inch (nom.)	3.9	7.9	11.8	15.7	19.7	23.6	27.6	31.5	35.4	39.4	43.3	47.2	51.2	etc.

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

**Standard belt widths** in increments of 100 mm (3.9"). Non-standard widths are offered in increments of 50 mm (2"). Non-bricklaid belts 100 mm (3.9") and 200 mm (7.9").

**For detailed material properties** refer to the HabasitLINK® Engineering Guidelines or contact your Habasit representative.

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**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.

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