

## Description

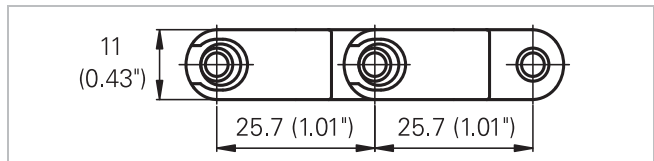
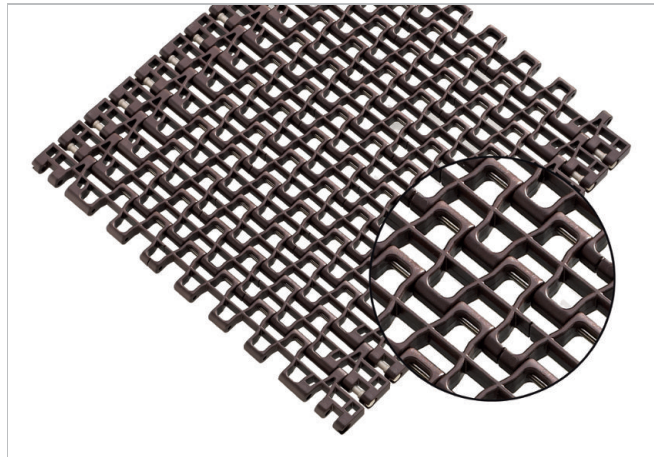
- Imperial belt width
- Excellent for cooling and draining
- Open hinge
- Superior cleanability
- Food approved materials available
- Smart fit rod retention

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		POM	PP		PA
Rod material		PA	POM	PP	PA
Nominal tensile strength $F'_N$ straight run	N/m	15500	11000	9500	15500
	lb/ft	1062	754	651	1062
Temperature range	°C	-40 - 93	5 - 93	5 - 105	-46 - 130
	°F	-40 - 200	40 - 200	40 - 220	-50 - 266
Temperature maximum (short-term)	°C				160
	°F				266
Belt weight $m_B$	kg/m <sup>2</sup>	6.4	4.2	4.2	5.60
	lb/sqft	1.31	0.85	0.85	1.15

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 side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch
50	2.00	50	2.00	100	4	150	6

## Standard range of belt widths $b_n$

mm (nom.)	304	507	710	913	1115	1318	1521	1724	1927	etc.
inch (nom.)	12	20	28	36	44	52	60	68	76	etc.

For PP material up to 750 mm (30") -3 mm to 0 mm and -0.4% to 0% 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 202.8 mm (7.98"). Non-standard widths are offered in increments of 33.8 mm (1.33"). Smallest possible width 202.8 mm (7.98").

**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

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

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

Belt material		PA+GF	PA+HT	ST
Rod material		Steel		
Nominal tensile strength $F'_N$ straight run	N/m	20000	22000	10000
	lb/ft	1370	1507	685
Temperature range	°C	0 - 145	0 - 170	0 - 200
	°F	32 - 293	32 - 338	32 - 392
Temperature maximum (short-term)	°C	175	200	240
	°F	347	392	464
Belt weight $m_b$	kg/m <sup>2</sup>	8.0	8.0	9.2
	lb/sqft	1.64	1.64	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.)	304	507	710	913	1115	1318	1521	1724	1927	etc.
inch (nom.)	12	20	28	36	44	52	60	68	76	etc.

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

**Standard belt widths** in increments of 202.8 mm (7.98"). Non-standard widths are offered in increments of 33.8 mm (1.33"). Smallest possible width 202.8 mm (7.98").

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

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