

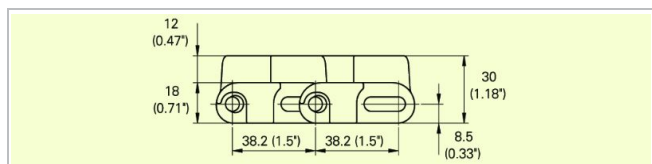
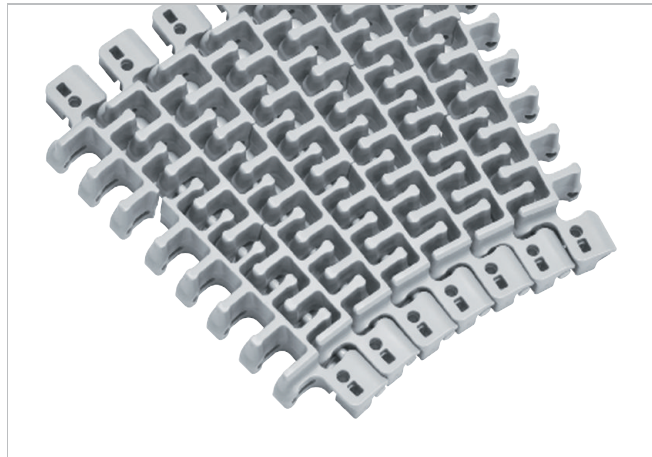
# HabasitLINK®

## M3892 Raised Deck 1.5"



### Description

- Imperial belt width
- For radius and straight conveying, ideal for case handling (collapse factor 2.2)
- 45% open area; 82% open contact area; largest opening 10.7x20.6 mm (0.42"x0.81")
- Indent of 32 mm (1 1/4")
- Excellent for shifting goods sideways on and off the belt with simple conveyor design
- Food approved materials available
- Rod diameter 6 mm (0.24")
- Smart Fit rod retention
- Large distance between wearstrips possible
- "Open window" sprockets



### Belt data

Belt material		POM	PP	
Rod material		PA		POM
Nominal tensile strength $F'_N$ straight run	N/m lb/ft	32000 2192	23000 1575	23000 1575
Nominal tensile strength $F_N$ in curve <sup>(1)</sup>	N lbf	2400 540	2000 450	2000 450
Temperature range	°C °F	-40 - 93 -40 - 200	5 - 105 40 - 220	5 - 93 40 - 200
Belt weight $m_B$	kg/m <sup>2</sup> lb/sqft	17.1 3.50	11.5 2.36	11.5 2.36

<sup>(1)</sup> For  $b_0 > 600$  mm (23.6") higher values admissible.

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)		Backbending radius for elevators with side guards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
90	3.50	90	3.50	150	6	150	6	250.0	10

Use the largest possible backbending radius for elevators with side guards or hold-down devices.

### Standard range of belt widths $b_0$ and collapse factor $Q$ ( $R_{min} = Q \times b_0$ ) for nominal factor 2.2

Belt width mm (nom.)	254	304	356	406	457	508	559	609	660	711	762	813	864	914
Belt width inch (nom.)	10	12	14	16	18	20	22	24	26	28	30	32	34	36
Coll.fact. Q	1.86	1.92	1.96	1.99	2.02	2.03	2.05	2.06	2.07	2.08	2.09	2.09	2.10	2.10
Belt width mm (nom.)	965	1016	1067	1117	1168	1219	1270							
Belt width inch (nom.)	38	40	42	44	46	48	50							
Coll.fact. Q	2.11	2.11	2.11	2.12	2.12	2.12	2.13							

Belt widths larger than 1270 mm (50") are not recommended.

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

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 2.0" (50.8 mm). Non-standard widths are offered in increments of 1.0" (25.4 mm). Smallest possible width 8.0" (203.2 mm).

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**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.

**Protection type:** IP 1X (DIN EN 60259 / IEC 529)

### **Disclaimer**

#### **Product Application Disclaimer (valid for ALL Habasit products and mentioned on all PDS)**

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