

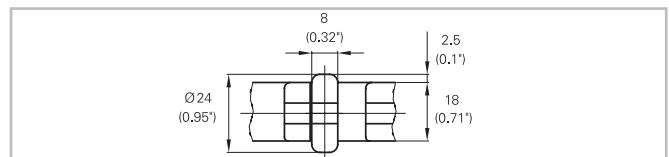
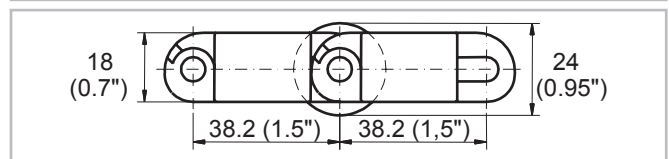
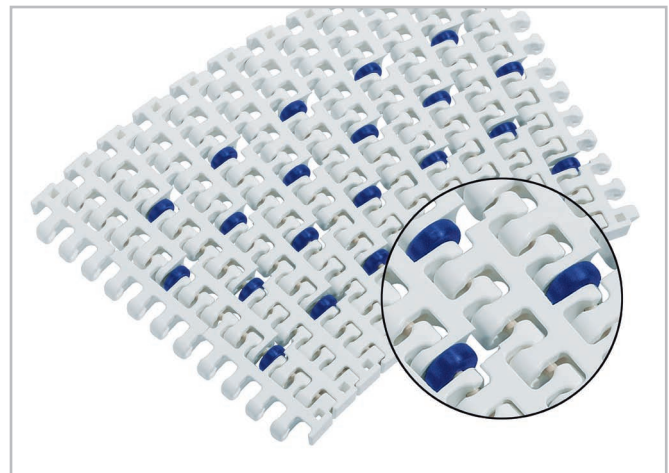
HabasitLINK®

M3840 Roller Top 1.5"



Description

- For radius and straight conveying
- 31% open area; largest opening 7x19 mm (0.27"x0.75")
- Roller lateral spacing see table belt data
- Free edge 60 mm (2.4")
- Rollers row spacing 38.2 mm (1.5")
- For low back pressure, wearstrips placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for cooling and draining
- Open hinge
- Food approved materials available
- Rod diameter 6 mm (0.24")



Belt data

Belt material		POM
Rod material		PA
Roller material		POM
Roller lateral spacing per row	mm / inch	100 / 4
Roller offset next row	mm / inch	50 / 2
Roller dimension diameter / width	mm / inch	Ø 24 / 8 Ø 0.94 / 0.31
Nominal tensile strength F'_N straight run	N/m / lb/ft	25000 / 1712
Nominal tensile strength F_N in curve ⁽¹⁾	N / lbf	2000 / 450
Temperature range	°C / °F	-40 - 93 / -40 - 200
Belt weight m_B	kg/m ² / lb/sqft	11.8 / 2.42

⁽¹⁾ For $b_0 > 450$ mm (18") higher values admissible. Refer to LINK-SeleCalc

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)		Backbending radius for elevators with sideguards or hold down devices (minimum)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
60	2.4	100	4	150	6	150	6	250	10

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

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Standard range of belt widths b_0 , free edge and collapse factor Q ($R_{min} = Q \times b_0$)

Belt width mm (nom.)	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
Belt width inch (nom.)	10	12	14	16	18	20	22	24	26	28	30	32	34	etc.
Coll. factor Q	1.98	2.12	2.22	2.30	2.36	2.41	2.44	2.48	2.50	2.53	2.55	2.56	2.58	etc.
Free edge mm (nom.)	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	64/77	etc.
Free edge inch	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	2.5/3	etc.
Sprocket offset mm	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	-6.3	18.8	etc.
Sprocket offset inch	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	-0.3	0.7	etc.
Sprockets	4	5	6	7	8	9	10	11	12	13	14	15	16	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	15	etc.

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

Standard belt widths in increments of 50 mm (2"). Smallest possible width 250 mm (9.84").

For detailed material properties refer to the HabasiLINK® Engineering Guidelines or contact your Habasi 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 HabasiLINK® Engineering Guidelines.

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