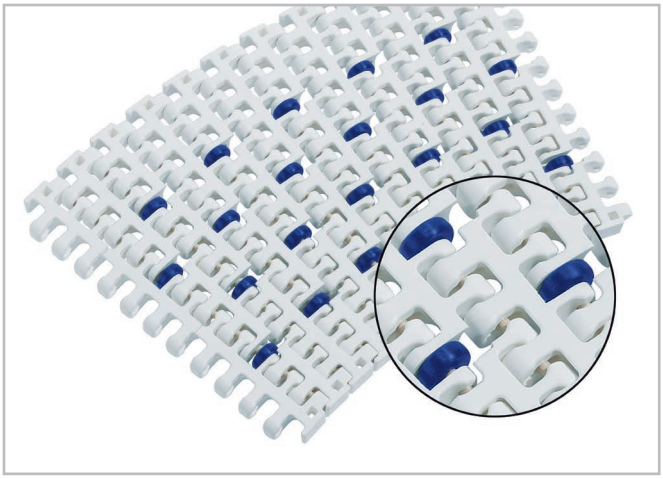
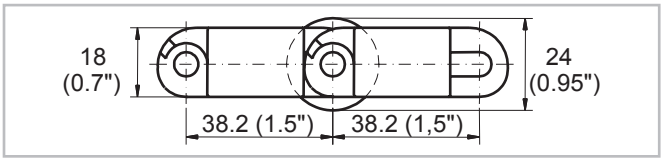
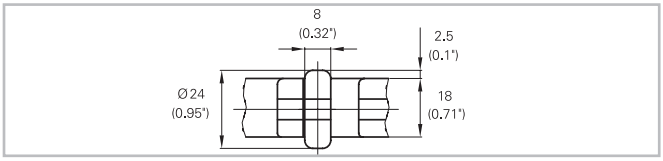
HabasitLINK®
M3840 Roller Top 1.5"

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/m² *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 x 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 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.