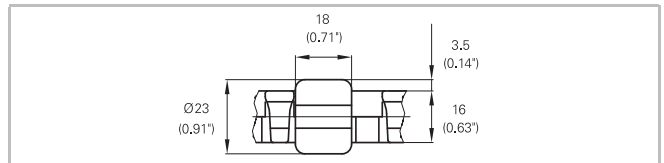
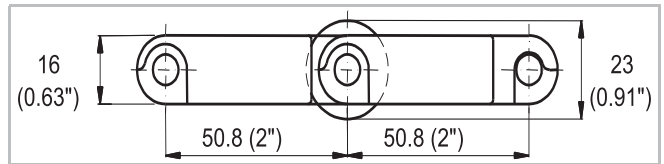
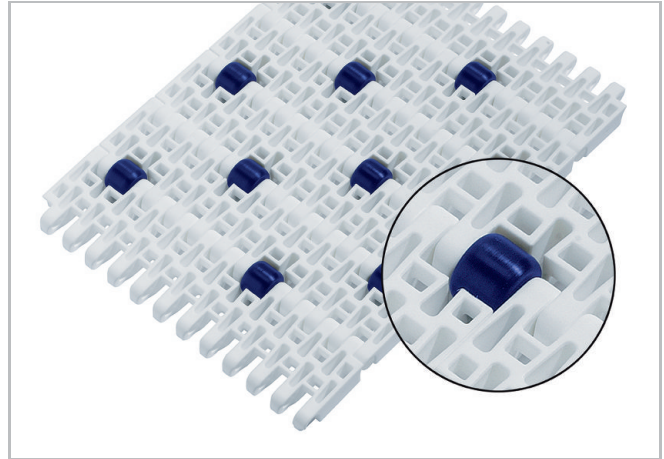


# HabasitLINK® M5033 Roller Top 2"



## Description

- 37 % open area; largest opening 6.0x8.5 mm (0.24"x0.33")
- Roller lateral spacing see table belt data
- Rollers row spacing 50.8 mm (2")
- For low back pressure, wearstrips are placed between rollers
- For product driven application wearstrips are placed directly under the rollers
- Excellent for flushing and draining
- Open hinge
- Food approved materials available
- Rod diameter 7 mm (0.27")



## Belt data

Belt material		PP				POM	
Rod material		PP		PA			
Roller material		POM					
Roller lateral spacing per row	mm / inch	112.0 / 4.40	150.0 / 6.00	112.0 / 4.40	150.0 / 6.00	112.0 / 4.40	150.0 / 6.00
Roller offset next row	mm / inch	56.0 / 2.20	75.0 / 3.00	56.0 / 2.20	75.0 / 3.00	56.0 / 2.20	75.0 / 3.00
Roller dimension diameter / width	mm inch	Ø 23 / 18 Ø 0.91 / 0.71	Ø 23 / 18 Ø 0.91 / 0.71	Ø 23 / 18 Ø 0.91 / 0.71	Ø 23 / 18 Ø 0.91 / 0.71	Ø 23 / 18 Ø 0.91 / 0.71	Ø 23 / 18 Ø 0.91 / 0.71
Nominal tensile strength F <sub>N</sub> straight run	N/m lb/ft	17000 1165	19000 1300	17000 1165	19000 1300	20000 1370	22000 1507
Temperature range	°C °F	5 - 93 40 - 200	5 - 93 40 - 200	5 - 93 40 - 200	5 - 93 40 - 200	-40 - 93 -40 - 200	-40 - 93 -40 - 200
Belt weight m <sub>B</sub>	kg/m <sup>2</sup> lb/sqft	6.8 1.39	6.8 1.39	6.8 1.39	6.8 1.39	10.2 2.09	10.2 2.09

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	4	100	4	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 free edge

Belt width (mm) (nom.)	225	300	375	450	525	600	675	750	825	900	975	1050	etc.
Belt width (inch) (nom.)	9	12	15	18	21	24	27	30	33	36	39	42	etc.
Roller lateral spacing per row 112.5 mm / offset next row 56.25 mm													
Free edge (mm)	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	19/19	19/37	19/55	etc.
Free edge (inch)	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	0.7/0.7	0.7/1.5	0.7/2.2	etc.
Sprocket offset (mm)	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	0	18.75	-18.75	etc.
Sprocket offset (inch)	0	0.74	-0.74	0	0.74	-0.74	0	0.74	-0.74	0	0.74	-0.74	etc.
Sprockets	3	4	6	7	8	10	11	12	14	15	16	18	etc.
Rollers (2 rows)	4	5	6	8	9	10	12	13	14	16	17	18	etc.
Roller lateral spacing per row 150 mm / offset next row 75 mm													
Free edge (mm)	28	28	28	28	28	28	28	28	28	28	28	28	etc.
Free edge (inch)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	etc.
Sprocket offset (mm)	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	37.5	0	etc.
Sprocket offset (inch)	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	1.5	0	etc.
Sprockets	2	3	4	5	6	7	8	9	10	11	12	13	etc.
Rollers (2 rows)	3	4	5	6	7	8	9	10	11	12	13	14	etc.

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

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 75 mm (3"). Smallest possible width 225 mm (9").

**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.

#### Disclaimer

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