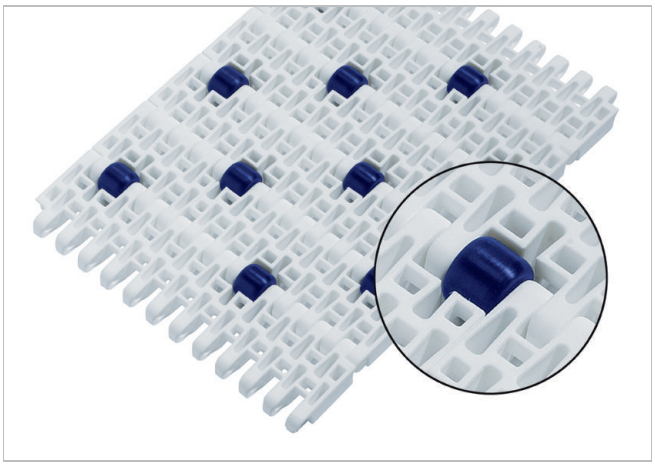
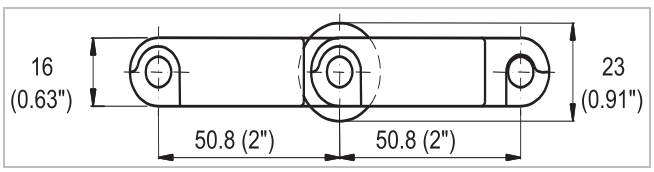
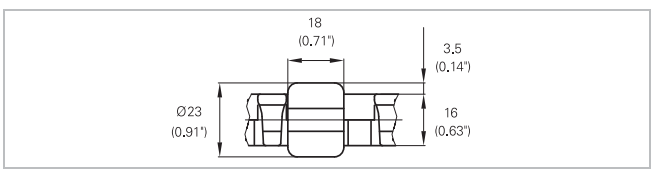
HabasitLINK®
M5033 Roller Top 2"

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		POM		PP			
Rod material		PA				PP	
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'_N straight run	N/m *lb/ft*	20000 *1370*	22000 *1507*	17000 *1165*	19000 *1300*	17000 *1165*	19000 *1300*
Temperature range	°C *°F*	-40 - 93 *-40 - 200*	-40 - 93 *-40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*	5 - 93 *40 - 200*
Belt weight m_B	kg/m² *lb/sqft*	10.2 *2.09*	10.2 *2.09*	6.8 *1.39*	6.8 *1.39*	6.8 *1.39*	6.8 *1.39*

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*	100	*4.00*	150	*6*	150	*6*	250.0	*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 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.