

Product News

M5023 Non Slip 2"



Enhanced processes in automotive assembly plant and car wash lines, due to:

- Elimination of unscheduled maintenance
- A more predictability production, as a result of constant process flow
- Variable but predictable conveyor speeds, give you control of your line
- Fork lift can move on belt

Improved worker safety:

- Belt is mounted flush with floor allowing for smooth transition from belt to static floor
- Improved working ergonomics
- OSHA conforming yellow safety edges
- High grip surface for operator or vehicle

Improved operating safety:

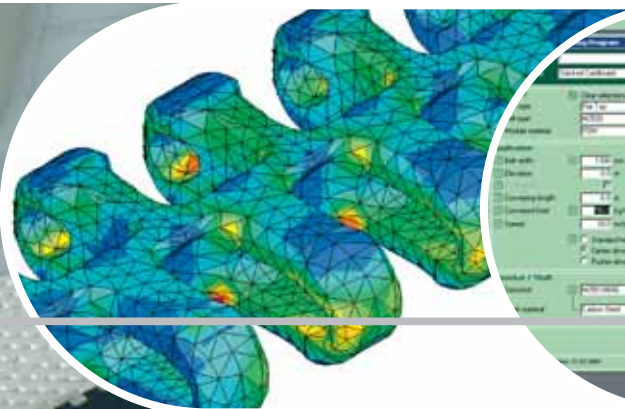
- High belt strength for heavily loaded application
- Withstands harsh environments and substances

Reduced cost:

- Reduction in labor costs due to increased efficiency
- Extended belt life compared to steel slat chain, rubber belts or life roller conveyors
- Low tension system for easy maintenance

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HabasitLink® Product Data

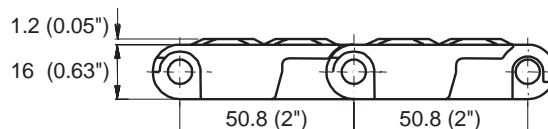
M5023 Non Slip 2"

Description

- 0% open area
- Extremely stiff
- Closed hinge
- Safe Non Slip profile for people mover applications
- Rod diameter 7 mm (0.27")
- Standard belt material is antistatic
- Electro conductive materials available
- Also available with pattern free indent 19 mm (0.75")

Available accessories

- Hold down device



Belt data

Belt material		Polypropylene +AS	Polyacetal +AS	
Standard rod material		PA	PP	PA
Nominal tensile strength [F _N]	N/m lb/ft	35'000 2'398	33'000 2'261	45'000 3'083
Temperature range	°C °F	5 – 105 40 – 220	5 – 90 40 – 195	-40 – 90 -40 – 195
Belt weight [m _B]	kg/m ² lb/sqft	9.0 1.85	13.8 2.83	13.8 2.83
Coefficient of friction belt to support [μ _B]	• UHMW PE	0.13	0.10	0.10
	• HDPE	0.11	0.08	0.08
	• PA6, PA66	0.30	0.20	0.20
	• Lubricated PA	0.13	0.11	0.11
	• Steel	0.25	0.14	0.14
Coefficient of friction belt to goods [μ _G]		The coefficient of friction varies depending on the type of material and surface. Please take contact with the Habasit Representative.		

Standard range of belt widths

mm	225	300	375	450	525	600	675	750	825	900	975	1050	1125	1200	etc.
inch (nom.)	9	12	15	18	21	24	27	30	33	36	39	42	45	48	etc.

Standard belt widths in increments of 75 mm (3"). Non-standard widths are offered in increments of 18.75 mm (0.74"). Non-bricklaid belts 75 mm (3") and 150 mm (4").

For material selection refer to detailed material properties pages 9-11 and for colors see table page 22.

Coefficient of friction: The indicated values are valid for dry and clean conditions only. Under dirty conditions this factor may be 2 to 3 times higher.

The nominal tensile strength is valid for 23 °C (73 °F). The admissible tensile force is dependent 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, page 118.