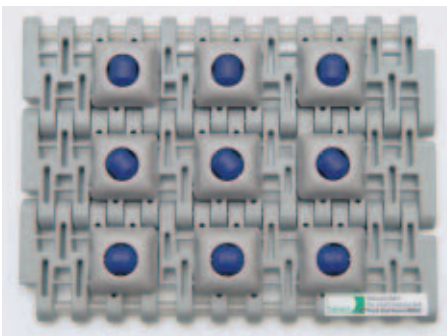


# Product News

M5032 Roller Top – 0°

M5032 Roller Top – 45°

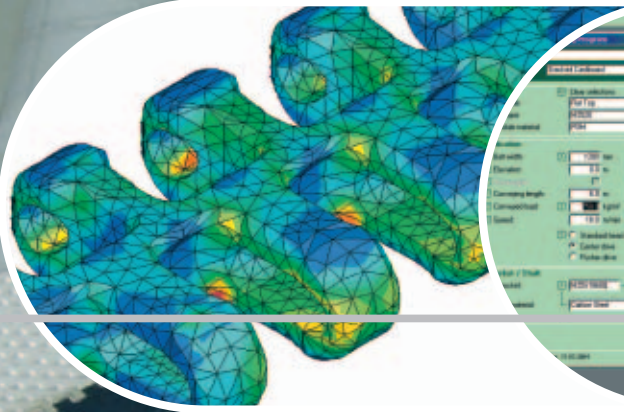
M5032 Roller Top – 90°



- Highest vertical roller load (~4500 N) in the industry, due to a very stable construction, which withstands highest forces and is overload protected.
- Variable configuration due to an universal solution for all roller direction
- Assembly in various patterns and roller spacing's according to customer requirements
- 4 different directions of roller rotation possible (transversal, 45° left, 45° right, longitudinal) for:
  - transversal product movement
  - product alignment and centering
  - product accumulation

## Headquarters

Habasit AG  
Römerstrasse 1, CH-4153 Reinach, Switzerland  
Phone +41 61 715 15 15, Fax +41 61 715 15 55  
E-mail [info@habasit.com](mailto:info@habasit.com), [www.habasit.com](http://www.habasit.com)

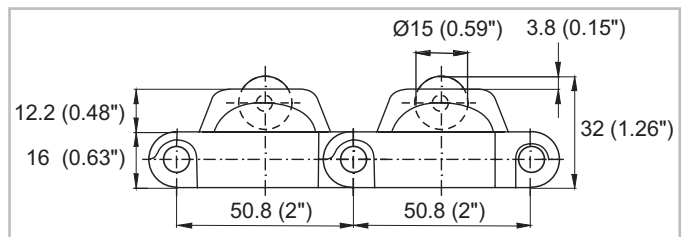
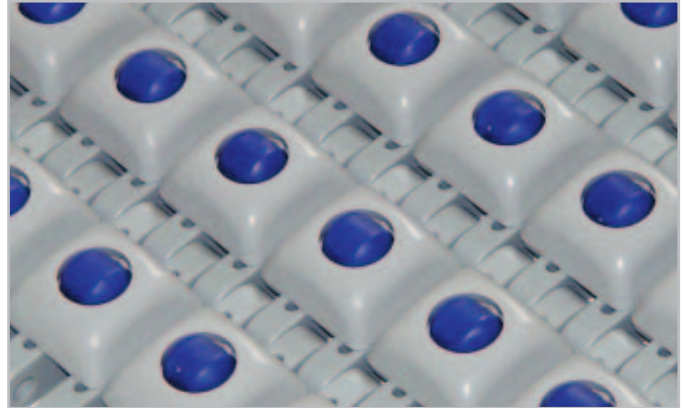


# HabasitLINK® Product Data

## M5032 Roller Top – 0° 2"

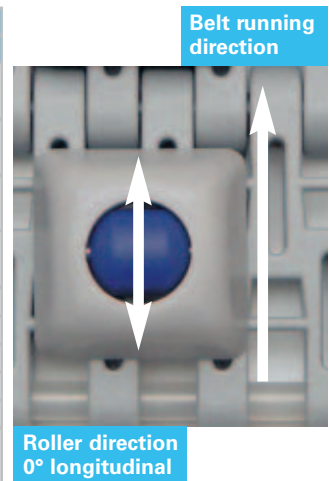
### Description

- Rollers oriented in longitudinal direction for low back pressure applications and product accumulation
- Low friction POM roller on solid steel pin
- Strong design, with strong retaining of the roller
- Roller protected against overload or impact
- Min. roller distance longitudinal every 50.8 mm (2") possible
- Min. roller distance transversal every 37.5 mm (1.5") possible
- Customized roller pattern possible
- Replacement of single rollers possible
- Closed hinge
- Rod diameter 7 mm (0.27")



### Belt data

Belt material		Polypropylene	
		PA	POM
Standard rod material		PA	POM
Nominal tensile strength [F <sub>N</sub> ]	N/m lb/ft	36'000 2'466	38'000 2'603
Temperature range	°C °F	5 – 90 40 – 195	5 – 90 40 – 195
Belt weight [m <sub>B</sub> ]	kg/m <sup>2</sup>	17.7	17.7
100% rollers	lb/sqft	3.63	3.63
Belt weight [m <sub>B</sub> ]	kg/m <sup>2</sup>	12.9	12.9
50% rollers	lb/sqft	2.65	2.65
Coefficient of friction belt to support [μ <sub>c</sub> ]	• UHMW PE	0.13	0.13
	• HDPE	0.11	0.11
	• PA6, PA66	0.30	0.30
	• Lubricated PA	0.13	0.13
	• Steel	0.30	0.30
Coefficient of friction belt to goods [μ <sub>p</sub> ]		0.05	0.05



### 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") stock. Non-standard widths are offered in increments of 18.75 mm (0.74"). Smallest possible width 112.5 mm (4.42").

**For material selection** refer to detailed material properties in the Engineering Guidelines.

**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.

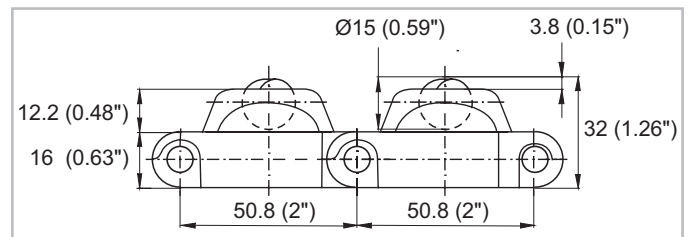
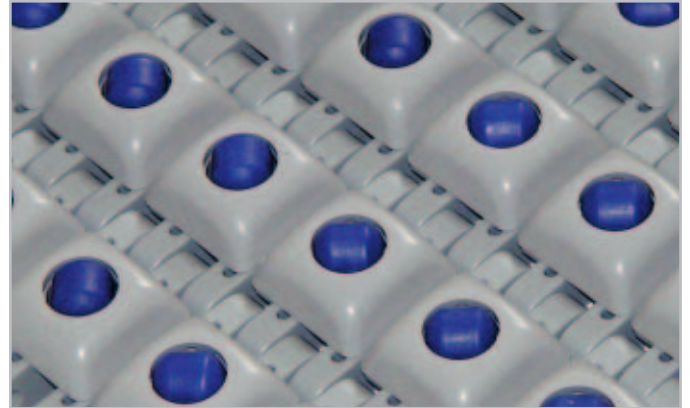
**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force is dependent on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Engineering Guidelines.

# HabasitLINK® Product Data

## M5032 Roller Top – 45° 2"

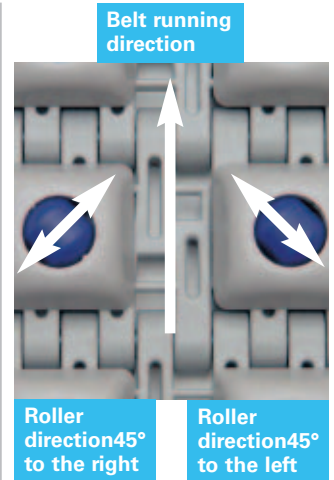
### Description

- Rollers oriented in 45° to the belt running direction for product centering and alignment
- Low friction POM roller on solid steel pin
- Strong design, with strong retaining of the roller
- Roller protected against overload or impact
- Min. roller distance longitudinal every 50.8 mm (2") possible
- Min. roller distance transversal every 37.5 mm (1.5") possible
- Customized roller pattern possible
- Replacement of single rollers possible
- Closed hinge
- Rod diameter 7 mm (0.27")



### Belt data

Belt material		Polypropylene	
Standard rod material		PA	POM
Nominal tensile strength [F <sub>N</sub> ]	N/m lb/ft	36'000 2'466	38'000 2'603
Temperature range	°C °F	5 – 90 40 – 195	5 – 90 40 – 195
Belt weight [m <sub>b</sub> ]	kg/m <sup>2</sup>	17.7	17.7
100% rollers	lb/sqft	3.63	3.63
Belt weight [m <sub>b</sub> ]	kg/m <sup>2</sup>	12.9	12.9
50% rollers	lb/sqft	2.65	2.65
Coefficient of friction belt to support [μ <sub>c</sub> ]	• UHMW PE	0.13	0.13
	• HDPE	0.11	0.11
	• PA6, PA66	0.30	0.30
	• Lubricated PA	0.13	0.13
	• Steel	0.30	0.30
Coefficient of friction belt to goods [μ <sub>p</sub> ]		0.05	0.05



### 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") stock. Non-standard widths are offered in increments of 18.75 mm (0.74"). Smallest possible width 112.5 mm (4.42").

**For material selection** refer to detailed material properties in the Engineering Guidelines.

**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.

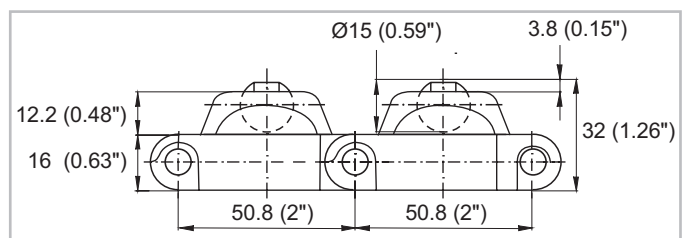
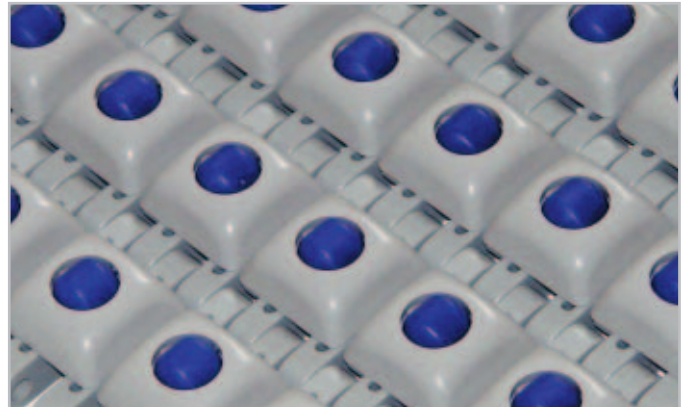
**The nominal tensile strength** is valid for 23 °C (73 °F). The admissible tensile force is dependent on the operating temperature near the drive sprockets. Within the temperature range allowed, the admissible tensile force may vary from 100% to 20% of the nominal tensile strength. For detailed information and correct calculation of effective tensile force refer to the Engineering Guidelines.

# HabasitLINK® Product Data

## M5032 Roller Top – 90° 2"

### Description

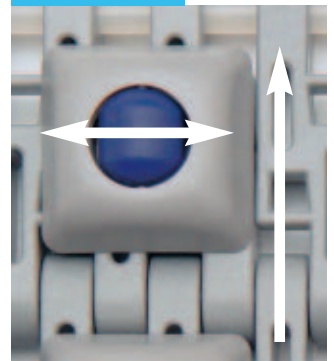
- Rollers oriented in transversal direction for easy lateral movements
- Low friction POM roller on solid steel pin
- Strong design, with strong retaining of the roller
- Roller protected against overload or impact
- Min. roller distance longitudinal every 50.8 mm (2") possible
- Min. roller distance transversal every 37.5 mm (1.5") possible
- Customized roller pattern possible
- Replacement of single rollers possible
- Closed hinge
- Rod diameter 7 mm (0.27")



### Belt data

Belt material		Polypropylene	
		PA	POM
Standard rod material			
Nominal tensile strength [F <sub>N</sub> ]	N/m lb/ft	36'000 2'466	38'000 2'603
Temperature range	°C °F	5 – 90 40 – 195	5 – 90 40 – 195
Belt weight [m <sub>B</sub> ]	kg/m <sup>2</sup> lb/sqft	17.7 3.63	17.7 3.63
Belt weight [m <sub>B</sub> ]	kg/m <sup>2</sup> lb/sqft	12.9 2.65	12.9 2.65
Coefficient of friction belt to support [μ <sub>C</sub> ]	• UHMW PE	0.13	0.13
	• HDPE	0.11	0.11
	• PA6, PA66	0.30	0.30
	• Lubricated PA	0.13	0.13
	• Steel	0.30	0.30
Coefficient of friction belt to goods [μ <sub>P</sub> ]		0.05	0.05

Roller direction  
90° transversal



Belt running  
direction

### 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") stock. Non-standard widths are offered in increments of 18.75 mm (0.74"). Smallest possible width 112.5 mm (4.42").

**For material selection** refer to detailed material properties in the Engineering Guidelines.

**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 Engineering Guidelines.