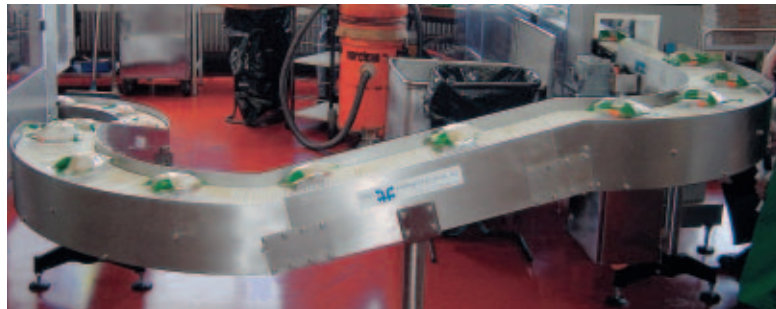


Product News

M2540 Radius GripTop



High friction rubber surface



Strong, laterally stiff belt: Ideal for 3D applications

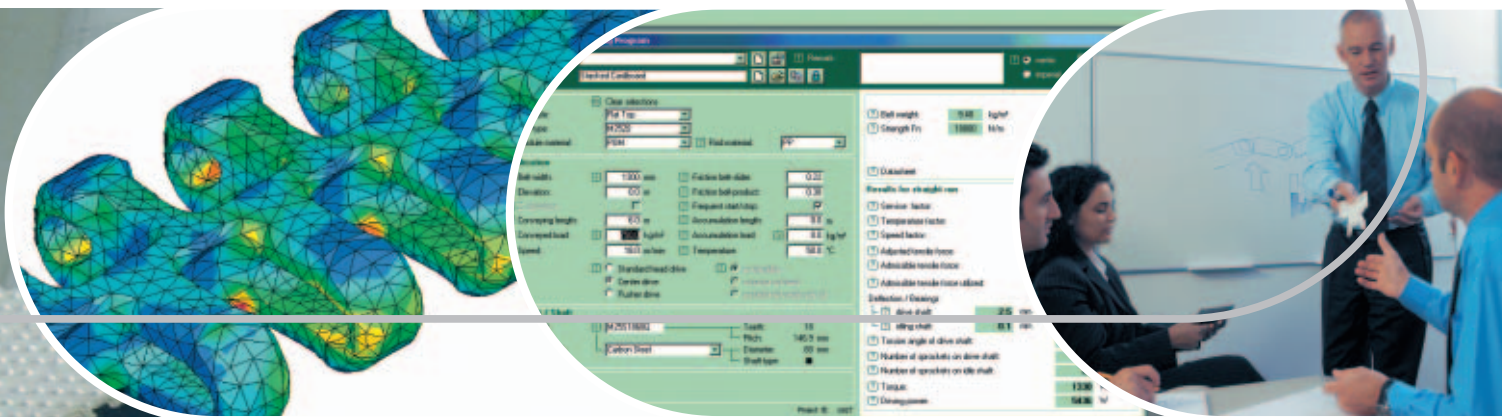
The M2540 Radius GripTop 1" combines a sideflexing modular belt with a high-friction rubber overlay. This belt is ideal for general material handling applications where steep inclines and declines – in combination with turns – are required or where the centrifugal forces of fast running belts tend to displace or disorient conveyed products. It is particularly well suited for the transport of boxes, crates, newspaper or wrapped and unwrapped food products.

The M2540 Radius GripTop 1" offers the largest high friction rubber contact surface and is the strongest 1" pitch plastic radius belt available in the industry.

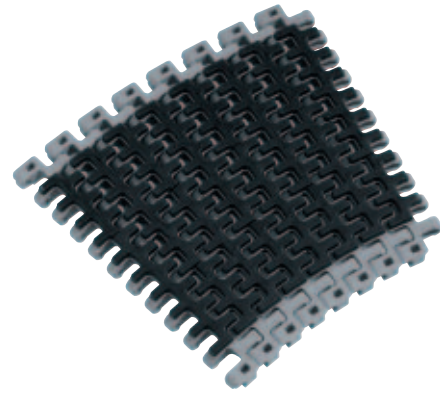
The M2540 Radius GripTop 1" is the strongest 1" pitch plastic radius belt available and offers longer conveyor lengths, eliminating the need for additional conveyors and drive motors. As a result, the displacement or disorientation of product as it is transferred from one conveyor to the next is prevented.

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M2540 Radius Grip Top 1"

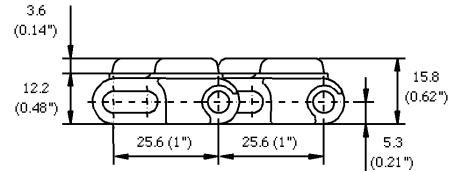


Description

- For radius and straight conveying, with inclines (collapse factor 2.2)
- 20 % open area, largest opening 5x7.5 mm (0.2"x 0.3")
- Indent 21mm (0.83")
- Abrasion resistant GripTop, high friction
- Food approved materials (see Eng. Guidelines)
- Rod diameter 5 mm (0.2")
- "Open window" sprockets

Accessories

- Clip-on sideguards 25 mm



Belt data

Belt material		Polypropylene grey		Polypropylene white		
Grip Top material		TPE black		TPE white		
Standard rod material		POM	PA	POM	PA	
Nominal tensile strength $[\mu_G]$	straight	N/m	19 000	19 000	19 000	19 000
	run	lb/ft	1 300	1 300	1 300	1 300
For $b_0 > 300$ mm (12")	in curve	N	1 000	1 000	1 000	1 000
		higher values admissible.	lb	225	225	225
Refer to LINK-SeleCalc						
Temperature range	°C		5 – 60	5 – 60	5 – 60	5 – 60
	°F		40 – 140	40 – 140	40 – 140	40 – 140
Belt weight $[m_B]$	kg/m ²		6.4	6.4	6.4	6.4
	lb/sqft		1.31	1.31	1.31	1.31
Coefficient of friction belt to support $[\mu_G]$	• UHMW PE		0.13	0.13	0.13	0.13
	• HDPE		0.11	0.11	0.11	0.11
	• PA6, PA66		0.30	0.30	0.30	0.30
	• Lubricated PA		0.13	0.13	0.13	0.13
	• Steel		0.25	0.25	0.25	0.25
Coefficient of friction belt to goods $[\mu_p]$		The coefficient of friction varies depending on the type of material and surface. For dry and clean conditions: $\mu_p = 0.8 - 1.2$ For specific elevation angles contact the Habasit representative.				

Standard range of belt widths and collapse factor Q ($R_{min} = Q \cdot b_0$)

mm	200	250	300	350	400	450	500	550	600	650	700	750	800	850	etc.
inch (nom.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	etc.
Coll.fact. Q	2.03	2.07	2.1	2.12	2.14	2.15	2.16	2.17	2.18	2.18	2.19	2.19	2.19	2.2	etc.
mm	900	950	1000	1050	1100	1150	1200								
inch (nom.)	36	38	40	42	44	46	48								
Coll.fact. Q	2.2	2.2	2.21	2.21	2.21	2.21	2.21								

Standard belt widths in increments of 50 mm (2") stock. Non-standard widths are offered in increments of 16.66 mm (0.66"). Smallest possible width 83.4 mm (3.25").

For material selection refer to detailed material properties in the Eng. 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 Calculation Guide, Engineering Guidelines.