

Please contact your Rexnord Representative with any questions:

**Rexnord FlatTop Europe**  
Einsteinstraat 1, 2691 GV  
's-Gravenzande  
The Netherlands  
Phone: +31 174 445 111  
After Hours Emergency  
Phone: +31 174 445 112  
(including countries not listed)

**Rexnord FlatTop Italy**  
Phone: +39 0522 639333

**Rexnord FlatTop Germany**  
Phone: 0800 588 8083

**Rexnord FlatTop France**  
Phone: 0805 540 444

**Rexnord FlatTop India**  
Phone: +91 040 23078243

**Rexnord FlatTop China**  
Phone: +86 21 52436100

**Rexnord FlatTop  
North America**  
1272 Dakota Drive  
Grafton, WI, 53024 USA  
Phone: 1-262-376-4600

[www.rexnord.com](http://www.rexnord.com)  
[www.rexnordflattop.com](http://www.rexnordflattop.com)

## Rexnord 1020 Series MatTop Chain Automotive Solutions

The Rexnord 1020 Series MatTop® Chain offers an all-around one-inch (25.4 millimeters) pitch modular chain solution for automotive floor conveyors. The 1020 Series MatTop Chain is developed for use in vehicle and people moving automotive applications.

### Ideal for low-maintenance conveyors

The 1020 Series MatTop Chain is suitable for low-maintenance conveyors with a limited installation space. For example, it can be used as a transfer conveyor between long heavy-load transfers.

### Customized for your application

The 1020 Series MatTop Chain is offered in a smooth SolidTop and anti-slip SafetyTop surface providing optimum work surfaces for specific applications. Depending on the application a choice between high-performance plastic or stainless steel pins can be made. Stainless steel pins have higher wear resistance capabilities. They are used in situations where dirt and debris can be expected.

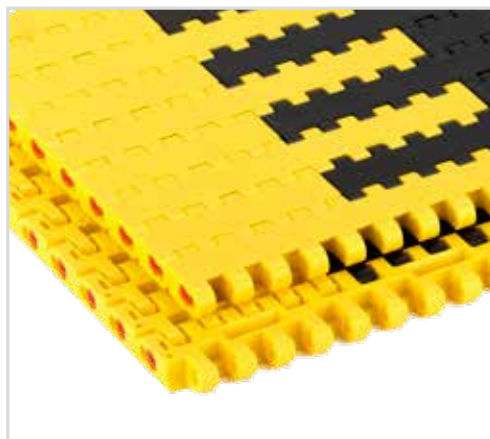
### Application example

The 1029 Series MatTop Chain has a SafetyTop surface which makes it suitable to combine cars and people in one application. A benchmark application example is a medium-length conveyor up to 65.5 feet (20 meters) for a car inspection line or people mover.

### Reliable operation

The Rexnord 1020 Series MatTop Chain offers a reliable and smooth operation in combination with Rexnord MatTop Chain advantages:

- Insensitive to automotive liquids
- Positive drive sprocket eliminates slippage and prevents skids from twisting during conveying
- Energy savings due to full plastic chain design which offers reduced weight and low friction
- Optimized stiffness through narrow hinge design and large pin diameter
- Easy installation and maintenance
- Chain damage can be repaired by replacing a single link at a time
- Trouble-free operation
- Low total cost of ownership to help prevent equipment downtime, increase productivity and deliver dependable operation



1025 Series SolidTop Chain



1029 Series SafetyTop Chain

**Performance**

The one-inch (25.4 millimeters) pitch modules minimizes chordal action around the drive and idler sprockets.

**Sprocket Design**

Fixed sprocket positions improve the drive properties and contribute to standardization of the conveyor design.

**Installation and Maintenance**

The easy lock pin retention system in combination with the two module system makes the chain easy to install and maintain.

**Anti-static Material Selection**

High Capacity Anti-static (HCAS) material is combining strength with anti-static properties (surface resistivity  $10^{11} - 10^{13} \Omega/\text{sq}$ ). Flame Retardent Electro Static Dissipative (FR-ESD) material is combining flame retardent with anti-static properties (surface resistivity  $10^5 - 10^9 \Omega/\text{sq}$ ).



**SafetyTop**

The flat headed diamond profile provides a superior anti-sliding facility.

**PBT Pins**

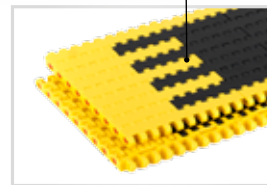
Standard equipped with wear resistant PBT pins.

**Design**

The 1020 Series MatTop Chain is suitable for small sprocket diameters. This is an advantage when a limited assembly space for the conveyor is available.

**Safety Marking**

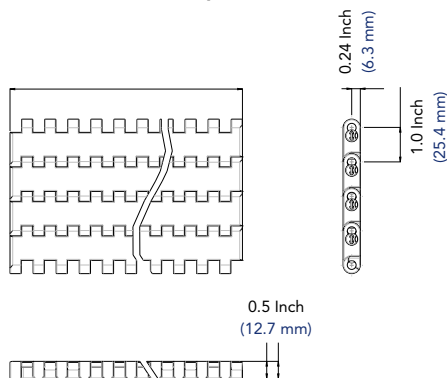
Yellow sides for clear moving belt edge safety and belt tact zone indication.



Chain Type	Working Load (max)	Weight	Backflex Radius (min)	Material
	lbs/ft / N/m	lbs/ft <sup>2</sup> / kg/m <sup>2</sup>	in / mm	
<b>1025 Series</b>				
BM1025	2813 / 41000	2.76 / 13.5	0.95 / 25	Proprietary Acetal
HCAS1025	1921 / 28000	2.76 / 13.5	0.95 / 25	Proprietary Acetal adapted for dissipate nuisance sparks class II type static environments
FR-ESD1025	1509 / 22000	2.76 / 13.5	0.95 / 25	Proprietary Polyamide acc. to 1. ESD Association Draft Standard SD 4.1 - 1995 2. DIN4102-1 B1 flame retardant criteria for construction materials
<b>1029 Series</b>				
BM1029	2813 / 41000	2.76 / 13.5	0.95 / 25	Proprietary Acetal
HCAS1029	1921 / 28000	2.76 / 13.5	0.95 / 25	Proprietary Acetal adapted for dissipate nuisance sparks class II type static environments
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Sprockets are standard available in 18 and 21 teeth. For FR-ESD material the sprockets will be supplied with an extended pitch.

**1025 Series SolidTop Chain**



**1029 Series SafetyTop Chain**

