



PRODUCT FACTS

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

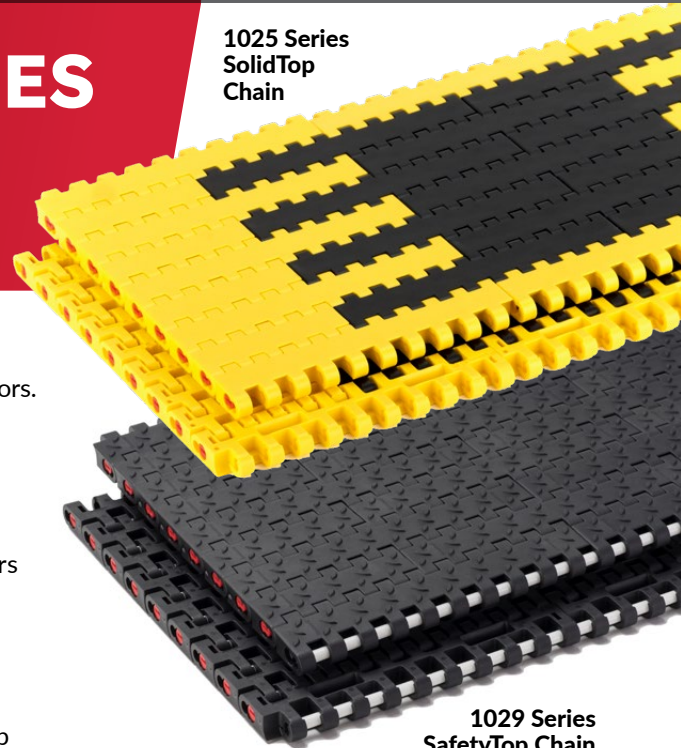
The 1029 Series MatTop Chain has a SafetyTop surface which makes it suitable to combine cars and people in one application. A benchmark application example is a medium-length conveyor up to 65.5 feet (20 meters) for a car inspection line or people mover.

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



REXNORD® 1020 SERIES MATTOP® CHAIN

Performance

The one-inch (25.4 millimeters) pitch modules minimize 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 Retardant Electro Static Dissipative (FR-ESD) material is combining flame retardant 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

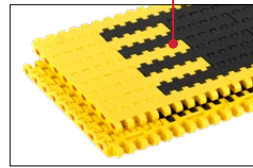
Standard equipped with wear resistant PBT pins.

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

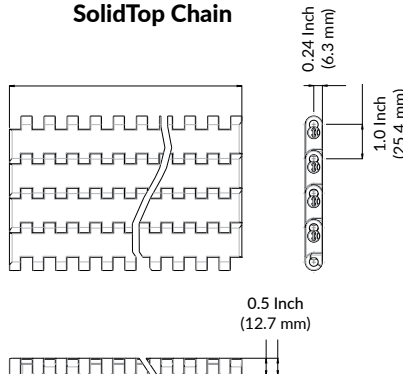
Yellow sides for clear moving belt edge safety and belt tact zone indication.



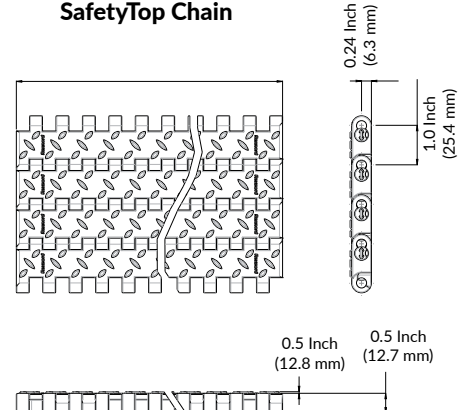
Series	Chain Type	Working Load (max)	Weight	Backflex Radius (min)	Material
		lbs/ft / N/m	lbs/ft ² / kg/m ²	in / mm	
1025	BM1025	2813 / 41000	2.76 / 13.5	0.95 / 25	Proprietary Acetal
	HCAS1025	1921 / 28000	2.76 / 13.5	0.95 / 25	Proprietary Acetal adapted for dissipate nuisance sparks class II type static 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
1029	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
	FR-ESD1029	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

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



Motion Control Solutions Regal Rexnord

Contact us: rexnord.com/contact

regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale> (which may redirect to other website locations based on product family).

"Regal Rexnord" is not indicative of legal entity. Refer to product purchase documentation for the applicable legal entity.

Regal Rexnord, Rexnord, and MatTop are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

© 2017, 2022 Regal Rexnord Corporation, All Rights Reserved.

MCSSP22089E • Form# FTE5-050E

