



Key Industry:
Automotive

Key Application:

- Long conveyors with frequent load variation or with heavy loads

Contact your Rexnord Global Account Manager, or our FlatTop North American Applications Engineering team at:

262-376-4800

Rexnord 6990 Series Hybrid MatTop Chain Breakthrough Automotive Solution

Rexnord FlatTop continuously develops and introduces new conveyor products that meet the performance demands of the marketplace. In addition to reliable vehicle handling, automotive plants can benefit from the use of Rexnord® 6990 Series Hybrid MatTop® Chain by improving their efficiency and promoting the comfort and safety of their workers.

Designed for automotive applications

In applications requiring long conveyors with frequent load variations or with heavy loads, the desired performance of full plastic modular chains is often limited by strength and stiffness. Rexnord recognizes the importance of smooth chain operation and has developed a hybrid chain, raising the performance standard for all plastic modular chains currently used throughout the industry.

Customized for your application

Rexnord 6990 Series Hybrid MatTop Chain offers vast product line versatility for a wide range of applications that necessitate special or alternate performance needs. The chain is offered in a smooth SolidTop as well as an anti-slip SafetyTop surface, providing optional work surfaces for specific applications.

The Rexnord 6990 Series Hybrid MatTop Chain offers the lowest surface resistivity of all competitive plastic modular chains (offering $< 10^3 \Omega/\text{sq}$),

protecting sensitive electronic equipment and providing a safe environment for workers. The Rexnord 6990 Series is also available in flame retardant material meeting DIN 4102-B1 (DIN EN 13501) standards, according to insurance and local fire brigade demands.

The Rexnord 6990 Series Hybrid MatTop Chain is designed to combine the quality of a conventional in-floor plate top conveying system with the ease of the chain's plastic modular construction. The elevated stiffness of this chain system offers immediate advantages:

- Elimination of slip-stick effect, therefore allowing smooth operation under all circumstances (primarily variable loading)
- Systems are capable of working without tail drives on medium conveyors up to 328 feet (100 meters) and does not require an intermediate drive on ultra-long conveyors up to 656 feet (200 meters)
- Minimum chain elongation during loaded operation allows for compact conveyor construction, resulting in reducing frame height and maximizing overall conveyor length

Contact your local Rexnord Account Executive or your Regional FlatTop Specialist to develop a solution specific to your application needs.



Rexnord 6995 Hybrid SolidTop

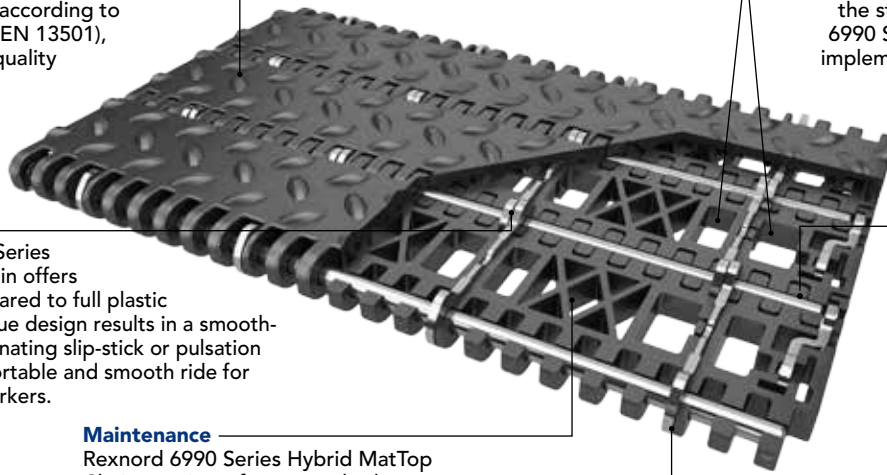


Rexnord 6999 Hybrid SafetyTop

Meets Regulations

Modules are available in flame retardant material according to DIN 4102-B1 (DIN EN 13501), or standard POM quality as required.

Rexnord 6999 Hybrid H4 Chain Execution



Smooth Ride

The Rexnord 6990 Series Hybrid MatTop Chain offers high stiffness compared to full plastic solutions. This unique design results in a smooth-running chain, eliminating slip-stick or pulsation resulting in a comfortable and smooth ride for vehicles and /or workers.

Maintenance

Rexnord 6990 Series Hybrid MatTop Chain consists of one standard component, enabling easy installation and operates virtually maintenance-free without the need for greasing or tensioning the conveyor system.

Drive

Sprockets are located directly beside the steel hybrid structure. The Rexnord 6990 Series Hybrid MatTop Chain can be implemented in conveyors up to 656 feet (200 meters) with high loads.

Performance

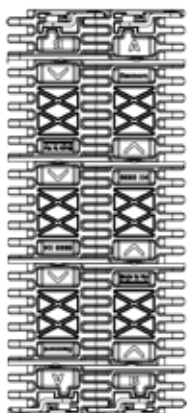
Even load distribution through steel pins contributes to the high strength and stiffness of the Rexnord 6990 Series Hybrid MatTop Chain, eliminating deformation in the hinge area. The chain utilizes an easy-to-operate steel TwistLock® Pin Retention System.

ESD (Electrostatic Dissipative) Standard

The Rexnord 6990 Series Hybrid MatTop Chain offers the lowest surface resistivity of all competitive plastic modular chains (offering <math>< 10^3 \Omega/\text{sq}</math>, according to NEN-EN-IEC 61340-4-5), protecting sensitive electronic equipment and providing a safe environment for workers.

Chain Type	Working Load (max)	Weight	Backflex Radius (min)	Certification
	lbs/ft / N/m	lbs/ft ² / kg/m ²	in / mm	
Hybrid 4				
BM6995H4	6,850 / 100.000	5.12 / 25.0	3.00 / 76.2	NEN-EN-IEC 61340-4-5
BM6999H4	6,850 / 100.000	5.20 / 25.4	3.00 / 76.2	NEN-EN-IEC 61340-4-5
FR-PA6995H4	6,850 / 100.000	4.75 / 23.2	3.00 / 76.2	NEN-EN-IEC 61340-4-5 DIN4102-B1 (B _H -s1)
FR-PA6999H4	6,850 / 100.000	4.83 / 23.6	3.00 / 76.2	NEN-EN-IEC 61340-4-5 DIN4102-B1 (B _H -s1)
Hybrid 8				
BM6995H8	11,645 / 170.000	6.18 / 30.2	3.00 / 76.2	NEN-EN-IEC 61340-4-5
BM6999H8	11,645 / 170.000	6.27 / 30.6	3.00 / 76.2	NEN-EN-IEC 61340-4-5
FR-PA6995H8	11,645 / 170.000	5.84 / 28.5	3.00 / 76.2	DIN4102-B1 (B _H -s1) NEN-EN-IEC 61340-4-5
FR-PA6999H8	11,645 / 170.000	5.90 / 28.8	3.00 / 76.2	DIN4102-B1 (B _H -s1) NEN-EN-IEC 61340-4-5

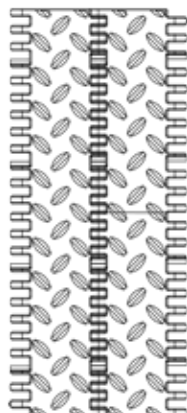
Chain widths available starting at 12 inches (305 millimeters) up to 240 inches (6,096 millimeters) in increments of 3 inches (76.2 millimeters). Note that for different chain materials, different production tolerances apply. Please contact Rexnord for the exact chain widths as dimensions vary.



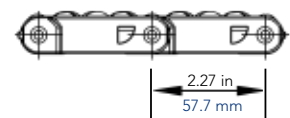
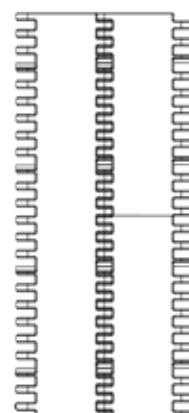
Rexnord 6990 Hybrid H4 Chain Execution



Rexnord 6999 SafetyTop Chain



Rexnord 6995 SolidTop Chain



Rexnord 6999 SafetyTop Chain



Rexnord 6995 SolidTop Chain