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Rexnord 6992 HYB 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® 6992 Hybrid (HYB™) MatTop® Chain by improving their efficiency, and promoting the comfort and safety of their workers.

Designed for automotive applications

In applications with long runs or heavy loads, the Rexnord 6992 HYB MatTop Chain is recommended. In these applications in several cases, a perforated chain surface is required for an optimum effectiveness of the process performed in this area. A typical example of this is a water test application or test conveyors with a first motor start.

Customized for your application

The Rexnord 6992 HYB Perforated MatTop Chain design solution is recommended for two typical automotive applications. The first typical application is in water test applications where the chain is often narrow and the conveyor is often very long. The Hybrid 4 (H4™) or Hybrid 8 (H8™) chain design offers the required chain strength and stiffness where the 6992 open area design allows for water to flow through the link effectively. Therefore, the water stays in the "wet section" of the conveyor more easily.

The second typical application is in test conveyors when the engine is started for the first time; the open area is often used in combination with a vacuum underneath which causes the exhaust fumes to be sucked away effectively. Depending on the length of the test conveyor, the 6992 open area links can be combined with the Rexnord ESD4, H4 or H8 chain design.

Features and benefits:

- Elimination of slip-stick effect as a result of the unique stainless steel structure inside, 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 in ultra-long conveyors up to 656 feet (200 meters), as a result of its high stiffness and strength
- Minimum chain elongation during loaded operation allows for compact conveyor construction, ensuring in reduced frame height and maximizing overall conveyor length



6992 HYB H4 Chain Execution



6992 HYB H8 Chain Execution

Rexnord 6992 HYB H4 MatTop Chain Execution

Available Materials

Modules are available in wear and corrosive resistant POM quality. Combination with steel frame (H4 or H8) or full plastic execution determines final chain load capacity and stiffness.

Maintenance

The Rexnord 6992 HYB Series 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.

Vehicle positioning

The Rexnord 6992 HYB MatTop Chain can be combined with the molded hybrid automotive tire pushers, allowing accurate positioning and reliable conveyance of vehicles.

Chain Components

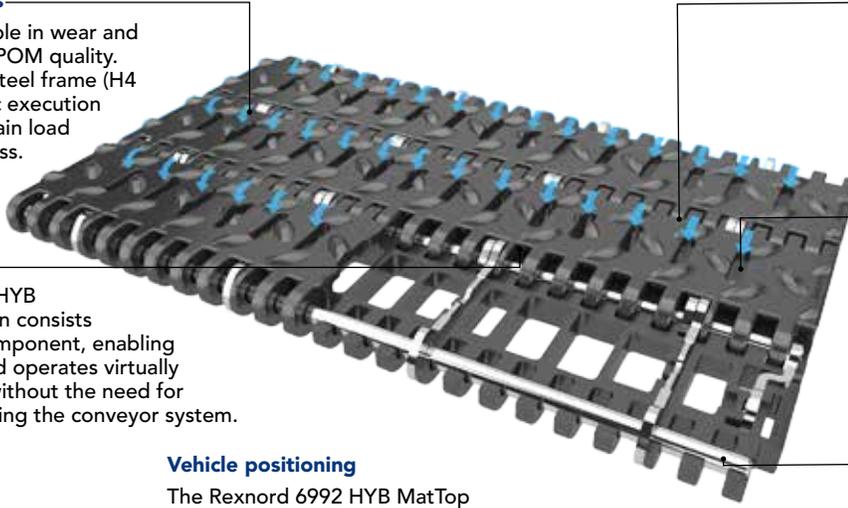
All chain components (links, pins, tension plates, chain clips) are corrosion resistant in stainless steel or plastic, allowing long-term use in water test environments.

10% Open Area

The Rexnord 6992 HYB MatTop Chain provides a 10% open area, allowing for an optimum flow of water or air. All pockets in the chain link are perforated, minimizing water carry over to the dry sections of the conveyor.

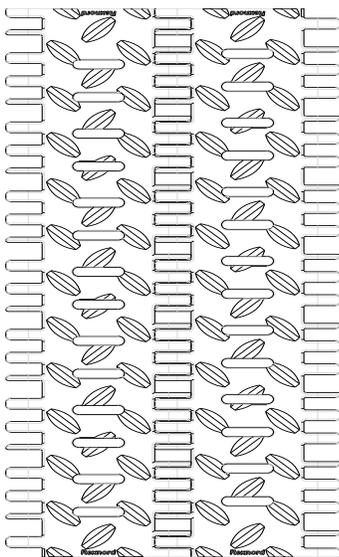
ESD Standard

The Rexnord 6992 HYB MatTop Chain meets the ESD requirement of the automotive industry. Depending on the chosen execution, it offers a surface resistivity of $10^6 - 10^9$ (ESD4), or $<10^3 \Omega/\text{sq}$ (H4 and H8), protecting sensitive electronic equipment and providing a safe environment for workers.

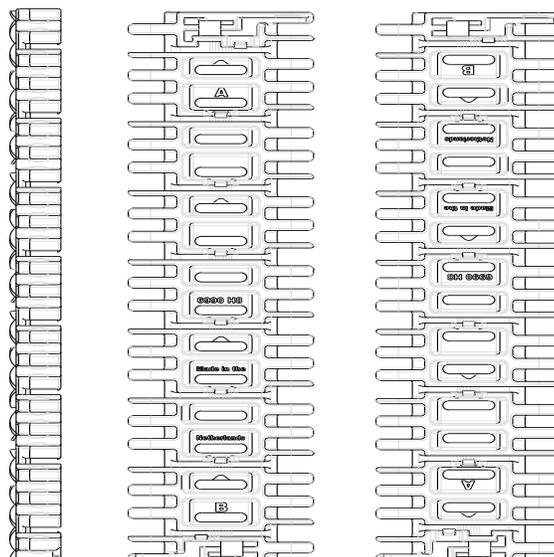


Chain Type	Working Load (max)	Weight	Backflex Radius (min)	Certification
	lbs/ft / N/m	lbs/ft ² / kg/m ²	in / mm	
6992 HYB MatTop Chain				
BM6992ESD4	3,427 / 50.000	3,40 / 16.76	3.00 / 76.2	NEN-EN-IEC 61340-4-5
BM6992H4	6,850 / 100.000	5,20 / 25.4	3.00 / 76.2	NEN-EN-IEC 61340-4-5
BM6992H8	11,645 / 170.000	6,27 / 30.6	3.00 / 76.2	NEN-EN-IEC 61340-4-5

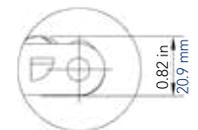
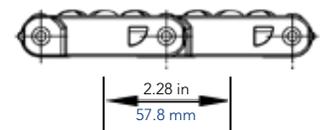
Chain widths available starting at 12 inches (305 millimeters) up to 240 inches (6,096 millimeters) in increments of 3 inches (76.2 millimeters). Note that for different chain materials, different production tolerances apply. Please contact Rexnord for the exact chain widths, as dimensions vary.



6992 H4 Execution



6992 SafetyTop



6992 SafetyTop