

Freudenberg Highlights Industry-Tested Steel Radial Shaft Seal at 2017 AISTech

Nashville, Tenn., May 8, 2017. After passing a three-year field trial with flying colors, Freudenberg Sealing Technologies will showcase its Merkel Radiamatic RPM 41 radial shaft seal for the steel industry at the 2017 AISTech Conference and Exposition – the steel industry’s premier technology event – at the Music City Center in Nashville, Tenn., May 8 to 11.

Tested by 35 steel mills across North America and Europe, the seal is designed to address the needs of work roll bearings, working to keep lubricant in and to keep water out, helping to protect the costly bearings.

“This radial shaft seal is such an affordable workhorse and performs perfectly as intended to protect expensive rolling bearings without being over-engineered,” said Marc Liepins, sales director, Freudenberg. “The seal allows for near-effortless installation and is readily available for us to supply. We received positive feedback from our customer trials with this product.”

With an average durable service life of 2,000 – 4,000 operating hours, the Merkel Radiamatic RPM 41 seal is completely covered in rubber and fits in open or cover-plated housings, leaving no trace in the installation space and allowing it to be easily slid into place. It also functions without a spring element at the sealing lip. These features help to eliminate potential hazards that other metal objects can inflict on roller bearings.

The seal also comes with the Merkel Enviromatic water guard to offer superior protection against water and dirt ingress. The Merkel Enviromatic is unique in that it features a defined, linear sealing edge instead of a soft, flat sealing lip. The functional, linear contact allows the guard to remain intact even in cases of axial shaft misalignment, resulting in maximum protection.

The seals are offered along with Freudenberg’s complete service package, which includes first time installation assistance on-site, troubleshooting support and replacement seals that are shipped to the customer within 24 hours.

In addition to the Merkel Radiamatic RPM 41 and Enviromatic water guard, Freudenberg will showcase a variety of other industry-focused sealing products at its AISTech booth, including a high performance trio for HAGC cylinders: Merkel Omegat seals designed to help extend lifetime functionality, Merkel Guivex guide elements for high surface loads and Merkel PTFE wipers for improved protection of the sealing system. Robust sealing concepts like modernized V-packings for forging presses and steam hammers round up the portfolio.

Attendees of the AISTech Conference who would like more information can visit Freudenberg's booth (#1643) at the show or visit <https://rpm41.fst.com/>.

Image: Freudenberg Merkel Radiamatic RPM 41.png

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About Freudenberg Sealing Technologies

As the leading specialist in sealing applications and their markets, Freudenberg Sealing Technologies (FST) is a supplier as well as a development and service partner serving customers in a wide variety of sectors including the automotive industry, civil aviation, mechanical engineering, shipbuilding, the food and pharmaceuticals industries, and agricultural and construction machinery. In 2016, FST generated sales of about €2.3 billion and employed more than 15,000 people. Freudenberg-NOK Sealing Technologies runs the business operations for FST in the Americas. The company is headquartered in Plymouth, Mich. and operates more than 20 facilities across the Americas. For additional information, please visit www.fst.com.