

Sleevoil® RTL

Upgraded, fully-spherical design for premier performance

The Sleeveoil RTL mounted hydrodynamic bearing is purposefully built for dependable, around-the-clock performance in critical applications to keep your operations running smoothly.

Naturally, hydrodynamic bearings are designed so the shaft runs on a thin film of oil, allowing for complete separation of surfaces during steady-state operation. Sleeveoil RTL bearings offer a theoretically unlimited product lifespan—significantly lowering your total cost of ownership.

Its housing design clamps down on the bearing liner, which enhances stability and prevents mechanical looseness and vibration. and long-lasting operation—minimizing your overall maintenance costs.

Ideal for use on fans, pumps, and motors in a variety of industries, Sleeveoil RTL offers best-in-class performance in high-heat environments and continuously running high-speed applications.

Features

- Fully-split construction allows for trouble-free assembly, disassembly, and maintenance of components
- Engineered with an integral water jacket to be an efficient, cost-effective solution in high-temperature applications
- Pre-machined for resistance temperature detectors (RTD), proximity probes, immersion heater and thermostat, accelerometer, and circulating oil
- Rugged, gray-iron housing and liner provides durability and extended product life
- Babbitt lining provides shaft protection in less than ideal running conditions
- Self-aligning liner allows for easy installation
- Trapezoidal oil ring lubrication increases oil delivery and reliability over designs utilizing T-section oil rings



Its 360-degree spherical design does not require traditional periodic plunger screw retightening, minimizing required maintenance—saving both time and money



The premier solution for non-stop performance in highly-contaminated and hot environments



Accessories for enhanced reliability



RTD

Measures operating temperature at the bearing's bore which is a critical point that ensures alarm and shut-down occurs before equipment damage



Auxiliary seals

Provides additional protection from environmental contaminants



Oil Level and Filtration System (OLF-2)

Provides controlled delivery of cool, clean oil, regardless of shaft surface speed



End cap kit

Closes off the open end of the bearing housing bore in short-shafted applications



Heater and thermostat

Ensures the oil is within the correct temperature window (70 °F—100 °F) for satisfactory viscosity at equipment start-up



Isolater

IP56-rated, fully-split, multi-labyrinth premium sealing system isolates the bearing from contamination, to keep lubricating oil clean



Vibration detector kit

Adapts vibration sensors to bearing housing to allow constant monitoring of system health

Save time and stay within budget with the combined power of PT Wizard, for easy-to-use tools like a bearing interchange and grease calculator, and PT Place, for seamless ordering of Dodge® products by authorized distributors.

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