

Permalube™ Permanently Lubricated Drivelines (RPL Series)

Applications

- Designed for the linehaul truck market, the Permalube™ permanently lubricated driveline is the only heavy-duty driveline available that is *totally* and *permanently* greased and sealed for life – both universal joints (u-joints) and slip section.
- Available for main driveline applications (designated RPL20 and RPL25) and inter-axle driveline applications (designated RPL20).

Benefits

- Industry's only totally permanently lubricated driveline, eliminating any downtime related to maintenance.
- Can improve fleet efficiency and reduce operating and maintenance costs.
- Offers increased life for main driveline u-joints (RPL25) and inter-axle u-joints (RPL20).
- Eliminates need for disassembly of the u-joint, which prevents contamination during assembly; ensures an easy, trouble-free connection, and eliminates “needle bearings on the shop floor.”
- Absolutely no regular lubrication maintenance is required on any part of the driveline.

Features

- Triple-lip seal design keeps lubrication in and contamination out.
- Protective steel guard ensures reliable seal performance under all conditions.
- Special Polyglide™ nylon coating prevents corrosion, provides the ideal sealing surface and minimizes axial loads through reduced friction.
- Extra long spline length engagement increases contact area for smooth operation and long life.
- Special flexible diaphragm allows normal extension and compression without expelling grease or ingesting contaminants through the welch plug vent hole.
- Large, 12- point “patch lock” bolts require no special tools and help assure a secure connection for life.

Torque Capacity

- High capacity design:
 - RPL25 and RPL25HD are rated at 18,425 ft-lb (25,000 N•m).
 - RPL20 is rated at 14,730 ft-lb (20,000 N•m).
- The higher torque capacity provides longer u-joint life, even when used with today's popular gear fast/run slow drivetrains.

(more)

U-Joint Features

- Snap ring retention provides a secure, proven method for positioning u-joints to achieve a perfect fit.
- Nylon thrust washers eliminate metal-to-metal contact between the bearing cup and trunnion, preventing wear and galling.
- Bearing cups are accurately positioned for optimum performance and are held permanently in place with a steel weld strap. Bearing cup removal during assembly or disassembly is not required, eliminating the potential for contamination.
- Double row needle bearings provide optimum bearing alignment. This results in reduced heat and wear, and increased life.

Technical Support

- Specification, training and parts support provided by ArvinMeritor's entire network of district sales and service representatives.
- Representatives at ArvinMeritor's toll-free Customer Service Center, at 800-535-5560, are available to offer spec'ing assistance and help answer technical questions.
- Extensive aftermarket availability and technical support provided through the company's distribution facilities, located in Florence, Ky., and Brampton, Ontario.
- The RPL25 and RPL20 drivelines are backed by ArvinMeritor's industry competitive vocational warranty.