

# Heim® Bearings Applications for Rod Ends for the ATV, UTV, and Golf Cart Industries

RBC Bearings offers a wide variety of Heim® Bearings Rod Ends suitable for the harsh demands of the off-road vehicle industry.



While spherical plain bearings offer flexibility in housing and mounting design, rod ends offer greater mounting convenience and provide a compact, lightweight, economical design alternative to the spherical plain bearing. *Rod ends are easy to mount and adjustments of position in installations such as mechanisms, linkages, and control rods. Rod ends provide a compact, lightweight, economical design alternative to a conventional housing installation.*

**Heim® Bearings** offer the industry's widest selection of rod end types and sizes. Our product range includes rod ends with brass race inserts in standard, precision, and high capacity design, high strength two-piece designs, and self-lubricating rod ends with engineered thermoplastic races or Teflon® liners. **Heim®** also produces a complete line of ball bearing rod ends that have extremely low friction and accommodate misalignment. **Heim®** rod ends are available with a variety of plating and coatings, materials, and offered in a wide range of optional features such as lubrication fittings, left hand threads, and keyway slots. **Heim®** rod ends and spherical plain bearings are intended for linkage applications where a bearing must accommodate significant misalignment.

## Product List:

- ✓ **Precision Rod End Series**  
- Manufactured to tight tolerances
- ✓ **Commercial Rod End Series**  
- Low cost alternative to Precision Series
- ✓ **Metric Series**
- ✓ **Maintenance Free Rod Ends**  
- Designed with Engineered Thermoplastic race material which offers lower friction than metal-to-metal products

## Applications for the Off-Road Vehicle Industry:

- ✓ Steering Links
- ✓ Front Power Steering Assembly
- ✓ Sway Bar Links
- ✓ Sway Bar Assembly Front/Rear
- ✓ Control Arm Joints
- ✓ Shock Absorber Ends
- ✓ Continuous Variable Transmissions (CVT)
- ✓ Linkages



RBC Bearings® has been producing bearings in the USA since 1919. In addition to unique custom bearings, RBC Bearings® offers a full line of standard industrial and aerospace bearings, including:



### Tapered Roller Thrust Bearings

Case-hardened tapered roller thrust bearings for oilfield top drives and swivels. Available in full complement, maximum capacity versions.



### Thin Section Ball Bearings

Standard cross sections to one inch. Bore sizes to 40 inches. Stainless steel and other materials are available. Seals are available on all sizes and standard cross sections. Super duplex configurations.



### Cam Followers

Standard stud, heavy stud, yoke type, caged roller followers. Patented RBC Roller® cylindrical roller cam followers, HexLube® universal cam followers, airframe track rollers.



### Cylindrical Roller Bearings

Cylindrical roller bearings designed for mud pump pinion and eccentric positions. Fully interchangeable to industry standards.



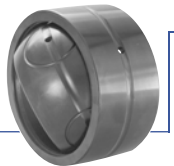
### Needle Roller Bearings

Pitchline® caged heavy duty needle roller bearings ideal for cross head bearings applications. These double row bearings are available in single row and TandemRoller® versions.



### Commercial Rod Ends

Commercial and industrial, precision, Mil-Spec series, self-lubricating, and aircraft. Sold under the Heim®, Unibal®, and Spherco® names. Available in inch and metric sizes.



### Spherical Plain Bearings

Radial, angular contact, extended inner ring, high misalignment. QuadLube®, ImpactTuff®, SpreadLock® Seal, CrossLube®, DuraLube™, and self-lubricating bearings. Available in inch and metric sizes.



### Tapered Roller Bearings

Single, double, & multi row versions available for main bearing positions in mud pumps, gear boxes, etc. Bearings are constructed of case hardened steel washers and rollers with bore size of 11" or greater.



### TP Series Bearings

RBC Bearings® TP Series cylindrical roller thrust bearings ideal for crane hooks, oil well swivels, winch systems, and gear boxes. Fully interchangeable with industry standard offering.



### Keyless Locking Devices

Mechanical bushings used to connect power transmission components onto rotating shafts. Without the use of keyways, KLDs eliminate the problems associated with backlash including fretting, corroding, and wallowing.



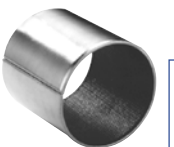
### Lubron® Bearings

Lubron® self-lubricating bearings designed and custom manufactured in most any size, material and bearing configuration. Applications include hydro power and water control, nuclear power generation, infrastructure, architecture, offshore marine, industrial, machinery and heavy equipment.



### Shaft Collars

Used to position or locate a component on a shaft. Made from mild steel, type 303 or 316 stainless steel, aluminum, or acetal. Available in inch and metric sizes.



### Self-Lubricating Bearings

Radial, thrust, rod ends, spherical bearings, high temperature, high loads. Available in inch and metric sizes. Fiberglide® self-lubricating bearings.



### Specials

RBC Bearings® manufactures many specialty bearings for the aerospace, oil and energy, semiconductor equipment, packaging, transportation, and other industries.



### Ball Bearings

Precision ground, semiground, unground. High loads, long life, smooth operation. Nice® branded products are offered in caged and full complement configurations.



### Rigid Couplings

Shaft couplings serve as components to time, join, or align shafts at lower speeds and torque, especially when zero backlash is desired. Made from mild steel with a black oxide finish type 303 stainless steel, or aluminum. Available in inch and metric sizes.



### PIC Design

Complete line of precision gears, precision hardware, timing belts, pulleys, and linear motion systems. Industries served include industrial, aerospace, defense, medical, robotics and automation, material handling, and assembly. Custom design support for unique applications.