

# RBC Bearings Repair Services - Houston

**Breathe new life into worn or damaged bearings**



The RBC reconditioned bearings program provides an economical means to extend the life of heavy duty bearings that have become worn or damaged.

## PROGRAM BENEFITS

### Proven Value

- Significant cost savings compared to purchasing new bearings — Reconditioned bearings range from 10–80% of a new bearing cost.
- Reduced downtime — Most repairs can be completed in less than 2–3 weeks.
- Increased productive lifespan of your bearings — Virtually every industry that utilizes large bearings can benefit from RBC Bearing refurbishment services.

### Versatility

- Size capabilities range from 24" – 169" O.D. (610mm – 4,293mm O.D.)
- Most bearing types — Cylindrical, ball, tapered, thrust, and slewing ring bearings.



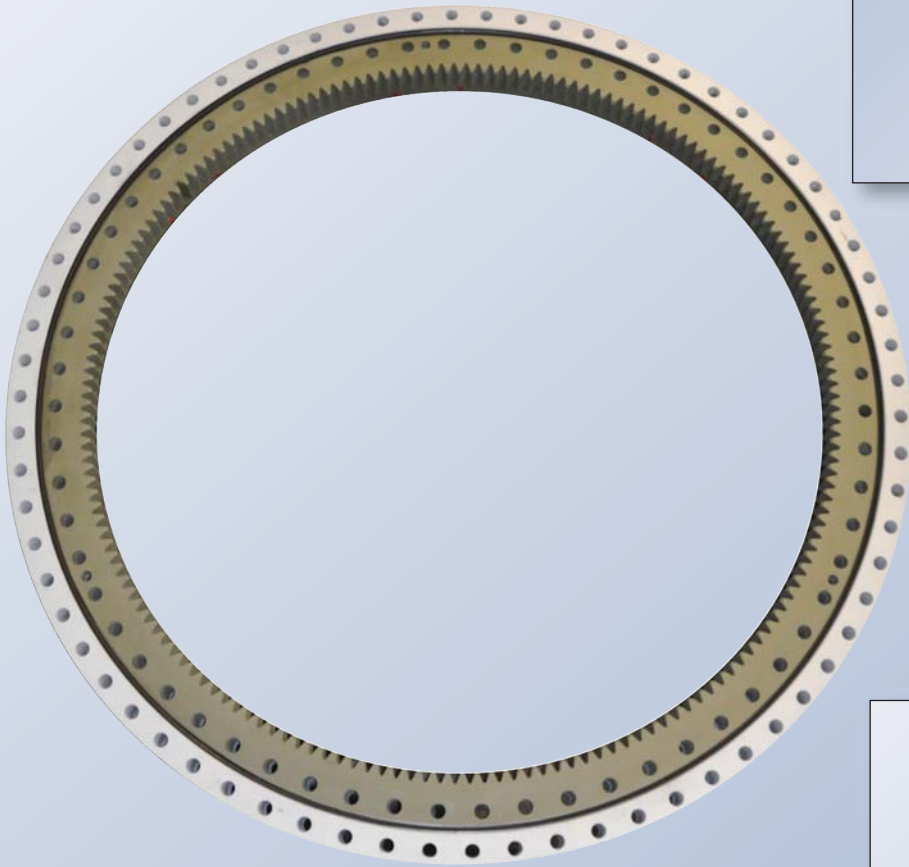
[www.rbcbearings.com](http://www.rbcbearings.com)  
800.390.3300

# The process is quick and easy!

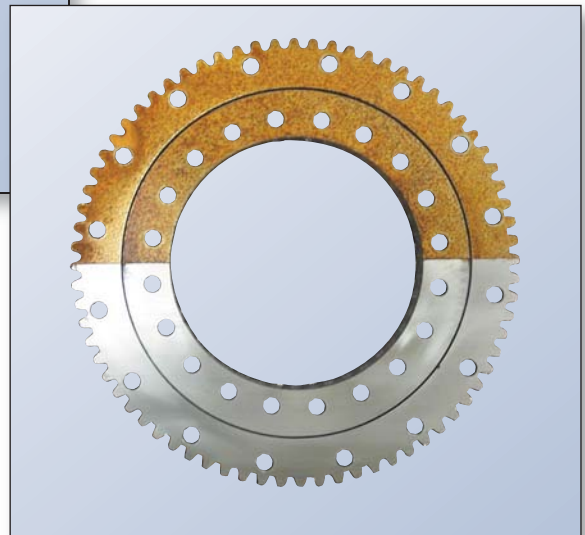
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1. Call 800.390.3300 to obtain an RMA (Return Materials Authorization) number.
2. Complete the attached Repair Data Form, and be sure to include the RMA.
3. Carefully package and ship the damaged bearing and completed Repair Data Form to:  
RBC Bearings Houston  
7441 East Orem Drive  
Houston, TX 77075
4. Upon receipt of the bearing, the RBC inspection team will clean, disassemble, and inspect the bearing, assess the damage, and provide a quote for repair.
5. With customer approval, RBC will refurbish the bearing, verify critical tolerances, lubricate, package, and prepare for return shipment.

Seals, cages, and balls.



Slewing ring repair  
from 24" – 169" O.D.





Tapered roller thrust bearing — before and after refurbishment.

## Refurbishment — A “Greener” Option

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In support of global efforts to conserve resources and lower the environmental impact of manufacturing operations, RBC is committed to green initiatives. Nine times out of ten, our bearing refurbishment program saves customers time and money, but there is an additional benefit. A bearing repair program also supports the environment, as components are reused, rather than finding their way to a scrap dealer.

We have a proven approach to bearing refurbishment that includes professional assessment, cleaning, and repair at a competitive price. Upon receipt of the bearing it is evaluated and classified based on the following criteria:

- Level 1: Clean, verify critical tolerances, lubricate, and package
- Level 2: Clean, polish race(s), verify critical tolerances, lubricate, and package

- Level 3: Clean, grind race(s), replace components as needed, verify critical tolerances, lubricate, and package
- Level 4: Replacement of major components such as inner or outer race, cage, and rolling elements, verify critical tolerances, lubricate, and package

New bearing lead times can be up to two years, and in some cases longer. The impact on our customers is constrained production, dissatisfied end users, and costly downtime. In many cases the lead time for a refurbished bearing can be just a few weeks.

If your application requires a new bearing, RBC manufactures new bearings from 24" – 169" O.D. (610mm – 4,293mm O.D.), and would be pleased to work with you on the selection of a standard or custom engineered solution.

# RBC Delivers

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RBC repairs include disassembly, cleaning, race grind, component replacement (if necessary), and re-assembly with high grade materials that meet or beat the original manufacturer's specifications.

**Superior Quality** — All work that is performed by RBC Bearings conforms to the pertinent ISO or JIS standards for inspection of work done.

**Experience** — RBC Bearings Houston has been in the repair business since 1979. We are familiar with virtually all large bearing manufacturers, and are confident in our ability to refurbish competitor's bearings at competitive prices!

**Fast, Reliable Turnaround** — RBC recognizes that time is money, and is committed to meeting your demanding lead time requirements. Your job is the most important job that we have!

**Service** — The service program includes a free evaluation of the repair by experienced RBC technicians and, if required, application engineering support.

**Cross Reference Database** — The opportunity to reduce downtime through use of RBC's cross-reference database (continuing thousands of interchanges) is available to all customers.



Rolling elements, cylindrical roller bearings, and tapered roller bearings.



# Bearing Repair Quote Request

RBC Bearings Repair Services  
7441 East Orem Drive, Houston, TX 77075

Phone: 800.390.3300

Fax: 609.882.5533

RMA No: \_\_\_\_\_

Date: \_\_\_\_\_

## 1. Customer Contact Information

Customer: \_\_\_\_\_

Contact: \_\_\_\_\_

Ship to: \_\_\_\_\_

Bill to: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

## 2. Basic Bearing Description & Application

Application:  New  Existing

Axis of Rotation:  Vertical  Horizontal  Inclined

Rotation:  Continuous  Intermittent

Max RPM: \_\_\_\_\_ Max Temp: \_\_\_\_\_ Min Temp: \_\_\_\_\_

## 3. Bearing Type

Slewing Ring Bearing  Cylindrical Roller Bearing  Cross Roller Bearing  Taper Roller Bearing

Ball Bearing  Other: \_\_\_\_\_

## 4. Bearing Dimensions — In./mm

Part Number: \_\_\_\_\_

Manufacturer: \_\_\_\_\_

I.D.: \_\_\_\_\_ O.D.: \_\_\_\_\_

O.R. Width: \_\_\_\_\_ I.R. Width: \_\_\_\_\_ Weight: \_\_\_\_\_

## 5. Load Requirements — Lbs.

Axial Load: \_\_\_\_\_

Radial Load: \_\_\_\_\_

Moment Load: \_\_\_\_\_

## 6. Commercial Information

Quantity: \_\_\_\_\_

Grease Preference: \_\_\_\_\_

Type of Equip. Used On: \_\_\_\_\_

Coating/Painting Required: \_\_\_\_\_

Target Pricing: \_\_\_\_\_

Delivery Required: \_\_\_\_\_

Environmental Conditions: \_\_\_\_\_

## 7. Additional Requirements

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# Innovation. Commitment. Quality.

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



## 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.



## Self-Lubricating Bearings

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



## Thin Section Ball Bearings

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



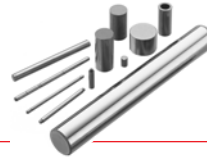
## Airframe Control Bearings

Ball bearing types, self-lubricating types, needle roller track rollers.



## Tapered Roller Bearings

Tyson® case-hardened and through-hardened tapered roller bearings. Available in many sizes. Used in Class 8 heavy truck and trailer wheel bearings, gearboxes, and final drive transmissions.



## Dowel Pins, Loose Needle Rollers, Shafts

Precision Products dowel pins, loose needle rollers, and shafts.



## Tapered Roller Thrust Bearings

Case-hardened. Sealed and unsealed for truck, tractor, and construction equipment steer axles, and Class 8 trailer landing gear.



## 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.



## Integrated Assemblies

For robots and other process tool applications. Engineering design assistance. Production volume capacity.



## Large Ball and Cylindrical Roller Bearings

Ball and cylindrical roller bearings up to 60 in. (1.5 m) O.D. Tapered roller and tapered roller thrust bearings up to 36 in. (9.1 m) O.D. Slewing rings up to 169 in. (4.3 m) O.D.



## 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.



## Ball Bearings

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



## Needle Roller Bearings

Pitchlign® caged heavy duty needle roller bearings, inner rings, TJ TandemRoller® bearings for long life.



## Specials

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