Maximize the Value of Your Large Bearings

Bearing Rebuilding & Reconditioning Program
Quality is a word we take very seriously. Our products are operationally critical to the industries who use them. We take that responsibility very seriously and build our products to maximize operational efficiencies and production capacity.

**Fraction of the Time.**

**Fraction of the Cost.**

**Rebuilding vs. Replacement:**

*The Advantage is Obvious*

Scheerer can typically rebuild a large bearing and deliver it to you in a fraction of the time required to manufacture a new bearing. We also provide emergency repair service (sometimes within a 24-hour period).

What’s more, you can save up to 60% of the cost of a new bearing. With companies looking ever closer to the bottom-line, we find customers with large bearing investments are looking to us to help them maximize the service lifetime of their bearings and their heavy machinery. Some companies schedule planned reconditioning of critical bearing components to ensure business operations stay on schedule at maximum output.

**A Reputation for Quality, Service and Craftsmanship**

Scheerer Bearing has been manufacturing and rebuilding industrial bearings for nearly five decades. We have the knowledge and experience required to service bearings of virtually every design, material and operating environment.

Our state-of-the-art facilities are equipped with precision machinery run by highly skilled machinists, engineers and finishing experts who work exclusively in bearing manufacture and reconstruction.

**Serving All Major Industries**

Whether your application is earth moving, mining, pulp and paper manufacturing, wind energy, oil drilling, steel, utilities, material handling or transportation, we can reduce your downtime with our high-efficiency quick-turn rebuild and reconditioning program.

**We Routinely Rebuild Ultra-large Bearings up to 100 in. O.D.**

Our rebuild capabilities include radial ball and roller bearings, ball and roller thrust bearings from 2 inch I.D. to 100 inch O.D. in many different designs and materials. Scheerer will rebuild any type or style of bearing from any manufacturer.

**You Know in Advance What You Are Getting and How Much it Will Cost**

When you send us your bearings, our technicians inspect them thoroughly on arrival. A simplified rating system is used to determine the work needed to restore the bearing’s operational parameters and a firm estimate is prepared.

Top photograph shows a reconditioned bearing of the type shown in the bottom photograph.
Quality at Every Stage of the Rebuild Process and After

**Inspection**
Bearings typically show wear and surface distress caused by contamination, abrasion, corrosion or breakdown of lubricants. Even bearings that have been properly maintained, have undergone repeated stress cycles and may be verging on fatigue.

At the initial inspection stage, a technician disassembles and cleans the bearing, checking for cracks, spalling, heavy pitting, rust and hardness. The races are then checked for flatness and out of round conditions. The technician then determines if the bearing is a candidate for rebuilding and reconditioning. If the bearings are beyond repair we will contact you to see if you want to scrap the bearings or have them returned.

**Work Procedure**
After the bearings pass an initial inspection, a work procedure is determined and the customer is provided with a firm estimate. Upon receipt of your purchase order, we begin the rebuilding process.

**Regrinding of Races**
The bearing races are ground to remove material on ball or roller path to new tolerances. Scheerer Bearing will install oversized balls or rollers to achieve original internal clearance. If necessary, cage pockets are remachined to match ball or roller size alterations.

**Specialized Assembly and Final Inspection**
At the final inspection stage, the rebuilt bearing is assembled with oversize balls or rollers to compensate for the material removed during the raceway grinding. The remanufactured bearing is identical to the original bearing geometry, tolerances, and load carrying capacity. Internal clearances, out of roundness, and taper are gaged for accuracy.

**Packaging and Shipping**
Finished assembled bearings are coated with a corrosion inhibitor to prevent rust and wrapped for storage until ready for service.

**How to Send Your Bearings for Rebuilding**
- Thoroughly clean the bearing with an oil and grease-cutting solvent.
- Visually check for cracks and major spalling
- If no major damage is evident, ship the bearing prepaid freight to:

Scheerer Bearing Corporation
Bearing Rebuilding Division
633 Davisville Road
Willow Grove, PA 19090 USA

**Guarantee**
Scheerer Bearing guarantees that any bearing we manufacture or rework is free from defects in workmanship or material. Any bearing which is proven to be defective within one year from date of purchase will be reworked free of charge if the defective bearing is returned, charges prepaid, to Willow Grove, PA and the bearing is found to have been properly installed, lubricated, and used.

**BEARING REPAIR CONDITIONS**
A New Balls or Rollers  
B New Inner Race  
C New Outer Race  
D New Inner and Outer Race  
E New Retainer  
F Beyond Repair  
G Polishing & Cleaning Only  
R New Side or Snap Ring
Scheerer Product Line & Services

RADIAL BALL BEARINGS
- Single Row Deep Groove
- Double Row Deep Groove
- Angular Contact
- Double Row Angular Contact
- Max-Capacity
- Self-Aligning
- Four Point Contact
- Split Inner Race
- Reciprocating
- All Special Types

RADIAL ROLLER BEARINGS
- Cylindrical
- Single Row
- Multi-Row
- Cross Roller
- Journal
- All Special Types

BALL THRUST BEARINGS
- Flat seat-Grooved Races
- Flat seat-Flat races
- Self-Aligning
- Banded
- Single or Double Acting
- Combination
- Angular Contact
- All Special Types

ROLLER THRUST BEARINGS
- Plain Type
- Washers Only
- Self-Aligning
- Crane Hook
- Combination
- Single Acting
- Double Acting
- All Special Types

OTHER PRODUCTS
- Combination Radial and Thrust Bearings
- Large Diameter to over 100"
- All Types of Special Bearings
- Hardened and Ground Sleeves
- Bearing Components
- Slewing Ring Bearings

SERVICES
- Bearing Repair and Reconditioning
- Clearance Changes
- Bore Tapering
- Flush Grinding & Preloading
- W-33 and W-26 Feature Additions
- Snap Ring Grooving
- Inspection Services
- Ceramic Ball Installation
- Special Coating Applications

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