


*Maximize the Value of Your Large Bearings*  
**Bearing Rebuilding  
& Reconditioning Program**



*Manufacturers of Ball and Roller Bearings*



**SCHEERER**  
BEARING CORPORATION



*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

## **BALL THRUST BEARINGS**

Flat seat-Grooved Races  
Flat seat-Flat races  
Self-Aligning  
Banded  
Single or Double Acting  
Combination  
Angular Contact  
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

## **RADIAL ROLLER BEARINGS**

Cylindrical  
Single Row  
Multi-Row  
Cross Roller  
Journal  
All Special Types

## **ROLLER THRUST BEARINGS**

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

## **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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***Rebuilding & Reconditioning Program.***