



# Koyo®

## Spherical Roller Bearings

*For Higher Operating Speed and Quiet Operation*



### Feature

#### **"R" Type Spherical Roller Bearing**

- Two Piece Finger Type Machined Bronze Retainer
- Asymmetrical Roller Design

### Benefit

- Reduced Vibration/Quiet Operation
- High Operating Speed
- Better Performance Under Marginal Lubrication Conditions
- Reduced Sliding Friction
- Less Tendency for Roller to Skew During Operation
- Fewer Internal Forces in Bearing

#### **"RH" and "RHR" Type Spherical Roller Bearing**

- Symmetrical Roller Design
- Pressed Steel Retainer
- Larger Diameter and Increased Roller Length for Maximum Capacity

#### **"R", "RR" and "RH" Type Spherical Roller Bearing**

- W33 Feature (Radial OD Oil Holes and Grooves)
- Self Alignment
- Optimizes Lubricant Capability
- Accommodates Up to 2° Misalignment

#### **Vibrating Screen Bearings**

- Outer Ring Guided Two-Piece Machined Bronze Retainer (Finger Type)
- Special Heat Treatment
- W502 Feature
- Allows Differential Speed Between Rows and Rollers Reducing Retainer Stresses
- Improved Fatigue Life
- Improved Mounting and Operating Characteristics

*Koyo...Bringing world-class quality bearings to a whole new level...Yours.*

Contact your authorized Koyo Bearing Distributor for more information.

Koyo USA is a **JTEKT** Company



## **Bearing Plants**

- Located in Orangeburg and Blythewood, SC
- Washington County, TN
- Quality Assurance, Inspection & Engineering
- ISO/TS16949: 2002 & 14001: 2004 Certified

### *Products Manufactured (USA)*

- Hub Units
- Ball Bearings
- Tapered Roller Bearings

## **Koyo Corporation of U.S.A. Sales Division**

### **Westlake, OH**

- Corporate Headquarters
- Sales & Marketing
- MIS Support
- Operations
- Distribution Centers:  
Memphis, TN  
Westlake, OH  
Reno, NV
- ISO/TS16949: 2002 & 14001: 2004 Certified

## **Technical Center**

### **Plymouth, MI**

#### **Main Activities —**

- Test and Evaluation of Bearings and Components
- Investigation of Testing Parts
- New Product Development
- Design of Bearings and Components
- Engineering Support for all Bearing Application Customers in North America
- ISO/TS16949: 2002 & 14001: 2004 Certified

#### **Equipment—**

- Automatic Measuring Equipment
- Oil/Air Lubricating Systems
- Noise Testing Equipment
- Inspection Equipment
- Air Cleaning Units

#### **Precision Machine Parts & Equipment—**

- High Speed Spindle Units
- Miniature Ball Screws
- Precision Ball Screws

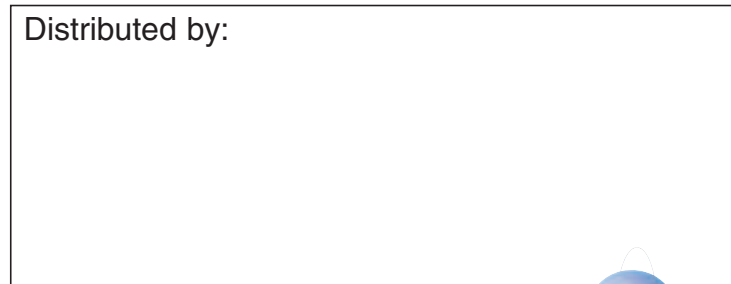
- Established January 1, 2006
- \$8.0 Billion in Sales
- Fourth Largest Bearing Manufacturer Worldwide
- Employs 30,029 Worldwide
- 1,000 USA Employees
- Operates Twelve Bearing Plants
- Operates 27 Sales Organizations
- ISO/TS16949: 2002 and 14001: 2004 Certified
- Produces over 100,000 Bearing Variations
- Eleven main affiliated companies



## **Products Manufactured**

- Hub Units
- Ball Bearings
- Angular Contact Ball Bearings
- Double Row Angular Contact Ball Bearings
- Tapered Roller Bearings
- Cylindrical Roller Bearings
- Spherical Roller Bearings
- Needle Roller Bearings
- Vibrating Screen Bearings
- Waterpump Bearings
- Ceramic Bearings
- High Performance Bearings
- Extreme Special Environment Bearings
- Steering Systems

Distributed by:



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## **Koyo Corporation of USA**

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