



# TIMKEN

## Timken Bearing MAINTENANCE TRAINING For Mining

### CLASSROOM AND HANDS-ON MODULES INCLUDE:

### CERTIFIED MAINTENANCE SHOP

#### Core Curriculum (with time estimate in parenthesis):

The basics of antifriction bearings

- Introduction to Antifriction Bearings (45-60)
- Bearing Damage Analysis (60-120)
- Bearing Maintenance and Handling (60-120)

#### Bearing Fundamentals:

An overview of features and applications  
for each bearing design

- Cylindrical Roller Bearing (30)
- Housed Units & Wide Inner Ring Bearings (30-60)
- Radial Ball Bearing (30)
- Spherical Roller Bearing (30)
- Tapered Roller Bearing (30)

#### Bearing Mounting and Adjustment:

- Measuring Two-Row Bearings and Matched Assemblies (30-60)
- Mounting Tapered-bore Spherical Roller Bearings (30)
- Multiple Row Tapered Roller Bearing Adjustment (45-60)
- Pillow Block Mounting (60)

#### Other Topics:

- Lubrication Basics (45-90)
- Seal Fundamentals (30-60)

*\*Host to build agenda*



Organizations committed to training and following proper bearing practices may become Timken Bearing Certified. This distinction demonstrates your facility's quality and commitment to industry best practices.

Organizations completing Timken Bearing Maintenance Training are eligible to earn this certification. Organizations that successfully complete advanced training and undergo an audit of their maintenance practices and facility may become Timken Bearing Certified.

To find out more about how your organization can benefit from customized bearing training and become Timken Bearing Certified, contact your Timken representative, visit [www.timken.com/training](http://www.timken.com/training) or send an email to [service.engineering@timken.com](mailto:service.engineering@timken.com).

# TIMKEN

The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, gears, belts, chain and related mechanical power transmission products and services.

[www.timken.com](http://www.timken.com)

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Timken Bearing  
**MAINTENANCE TRAINING**  
For Mining



**HELPING IMPROVE  
BEARING PERFORMANCE**

Timken is where customers turn to increase the performance and uptime of their equipment. That's why we've developed our Bearing Maintenance Training program, providing maintenance and repair personnel with the information they need to keep their equipment running more efficiently.

Each seminar is personalized and presented at your location or a nearby hotel or conference center. You select the topics of interest for you and your maintenance employees. Timken service and application engineers, who have a deep knowledge of many mining applications, handle the classroom presentations and practical hands-on sessions. They are backed by our company's century-long leadership in bearing design, manufacture, maintenance and repair.

**KNOWLEDGE TO PUT YOU  
AHEAD OF THE REST**

Our experienced instructors can cover every aspect of bearing technology. They can demonstrate the most effective procedures to remove, install and adjust bearings in your equipment. Your personnel also learn how to inspect bearings and determine different damage modes.

In addition, attendees learn the fundamentals of antifriction bearings, with an overview of the basic bearing designs most commonly used in industrial applications: ball, cylindrical, spherical and tapered.

Related additional topics include the care and handling of seals, couplings and chains, and proper lubrication techniques. Timken Bearing Maintenance Training gives your staff maintenance skills that can give your organization a competitive edge.

**INCREASING UPTIME -  
FASTER TURNAROUNDS**

Skilled, well-trained maintenance people are key to keeping your equipment up and running at peak productivity. Your investment of time and money in the Timken Bearing Maintenance Training may quickly be recouped in increased uptime and faster turnaround on equipment service. Not to mention the impact on job satisfaction for your staff members who appreciate your investment in increasing their knowledge and abilities.

The training fee covers:

- Training session and materials
- Refreshments
- Certificate

Attendees are responsible for the payment of their own lodging and all air/ground transportation, including to/from the airport.

Contact your Timken representative to schedule a training event. For additional information about our training programs, visit [www.timken.com/training](http://www.timken.com/training) or send an e-mail to [service.engineering@timken.com](mailto:service.engineering@timken.com).

