

TIMKEN

Paper Mill INDUSTRY TRAINING



Paper Mill INDUSTRY TRAINING

TURN BEARING KNOWLEDGE INTO MILL UPTIME AND LOWER MAINTENANCE COST

Timken's paper industry bearing training offers maintenance and mill operators in-depth fundamentals needed to help reduce maintenance costs and help increase uptime relative to bearing usage.

The two-day training utilizes the Timken's knowledge of designing, researching and manufacturing bearings and steel.

Attendees learn from all our available resources, including the knowledge our paper-industry engineers gain from operating bearings in worldwide facilities. Our engineers also share their inherent knowledge of handling, installing, lubricating and maintaining bearings.

Timken's service and application engineers, who have more than a century of combined experience, serve as instructors. Every attendee receives personalized instruction during our paper industry bearing training.

Learn how to use the proper equipment and processes to reduce downtime and lower maintenance costs.





HELP MAXIMIZE PAPER INDUSTRY BEARING PERFORMANCE

This paper industry bearing training covers most phases of bearing performance within the mill. Complete bearing training for paper and auxiliary equipment results from our industry experience in every aspect of paper manufacturing - from pulp to finish. Attendees gain a better understanding of the basic operating characteristics of anti-friction rolling element bearings including the proper use, mounting procedures, inspection and damage analysis.

Instructors emphasize proper care and handling throughout the training. They also teach proper fits, clearances and tolerance levels as well as load and life calculations.



The two-day training takes place in Union, S.C., at the Industrial Services Center and includes a tour of the Tyger River large bearing plant. There is a fee associated with the training program; multiple attendee rates are available.

Paper Mill **INDUSTRY TRAINING**

Training fee covers:

- Instruction by industry experts
- Training materials
- Continental breakfast each day
- Lunch each day
- One evening meal
- Local transportation to training

Attendees are responsible for paying their own:

- Air/ground transportation
- Hotel accommodations in the Spartanburg, S.C., or Duncan, S.C., area. (Timken will make the hotel arrangements)

Contact your Timken representative for training dates and registration information. For additional information about our training programs, visit [**www.timken.com/training**](http://www.timken.com/training).



Paper Mill INDUSTRY TRAINING

AGENDA*

Day 1: Timken Industrial Services Center, Union, S.C.

Classroom

- Introduction
- Bearing fundamentals
- Metallurgy
- W906A
- Installation and removal
- Shaft and housing inspections
- 12-point measurement procedure, sine bar
- Tapered roller bearing adjustment
- Precision C08 bearings

Hands-on

- Manufacturing plant tour - Tyger River plant
- Shaft and housing measurement, inspection
- Tapered bore bearing installation and removal
- Sine bar and bluing

Day 2: Timken Industrial Services Center, Union, S.C.

Classroom

- Bearing damage analysis
- Lubrication
- Engineering applications and programs
- Bearing repair

Hands-on

- Straight bore bearing installation and removal
- Bearing damage analysis
- Bearing inspection and gauging
- C08 features

**Subject to change*



Timken paper mill industry training is held in Union, S.C., at the Industrial Services Center and the Tyger River large bearing plant.

Timken also offers customized paper mill training specifically designed for your facility, which can be held at your location. For more details, contact your Timken representative or email 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, belts, chain, gears and related mechanical power transmission products and services.

Stronger. By Design.

1.5M 11-16 :29 Order No. 10418

Timken® is a registered trademark of The Timken Company.

© 2016 The Timken Company | Printed in U.S.A.

www.timken.com

