

BEARING INSTALLATION & INSPECTION

EL02

Based on statistic studies, **poor fitting contributes approximately 16% to the total premature bearing failures**. This can be result from personnel being unaware of the availability of the correct tool and incorrect installation technique due to lack of training. Therefore, it is essential for every technical personnel to equip with the “Know-How” knowledge.

COURSE OBJECTIVE

In this course, you will learn about various techniques that are used to install and dismount bearings of your equipment. You will also gain knowledge and a practical hands-on regarding how to select appropriate tools with correct procedures to handle different types of bearings in different situations. Observe what happens as a result of careless handling, neglected maintenance and poor lubrication.

BENEFITS

- Prolong the service life of the bearings and equipments
- Lower maintenance costs
- Prevent pre-mature bearing failure
- Increase machine availability and efficiency

WHO SHOULD ATTEND

- Fitter / maintenance supervisor
- Reliability engineers
- Rotating equipment engineers

PRE-REQUISITE

No pre-requisite is required

COURSE MATERIALS

Comprehensive notes and collection of case studies

COURSE DURATION

1 DAY

CANCELLATION POLICY

If notice of withdrawal is given in writing - 14 calendar days before the course date, 80% of the course fee will be refunded. A 50% refund will be made for cancellation received in writing – 7 calendar days before the course date. After which, NO REFUND will be entertained.



Installation of a spherical roller bearing

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COURSE TOPICS

Lesson 1

Introduction to mounting tools

- Mechanical fitting tools
- Induction heaters
- Hydraulic apparatus

Lesson 2

Mounting Techniques

- Cold mounting method
- Hot mounting method
- Hydraulic method

Lesson 3

Principles & rules

- Mounting pre-requisitions
- Site preparation hints
- Shaft & housing surface inspection
- Fitting tolerance selection (basic)

Lesson 4

Bearing installation procedures

- Radial internal clearance calculation
- Initial lubrication calculation
- Visual inspection
- Case study



Measuring a bearing housing fitting tolerance with an internal micrometer

REGISTRATION

SIGN UP
NOW!



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Job Title / Department: _____
Telephone: _____ Fax: _____
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