

# BEARING MAINTENANCE & APPLICATION – GENERAL

## EL01

*Bearings are the heart of almost every piece of industrial equipment. With the correct maintenance procedures and proper handling, the bearings service life is prolonged and boost equipment performance.*

### COURSE OBJECTIVE

The course provides fundamental knowledge of rolling bearings that incorporates types of designs and geometry, components and its functions, understanding of numbering system and suffixes. Brief approach in replacement and maintenance of rolling bearings will subsequently improve bearing performance and service life to increase reliability of the rotating equipment.

### BENEFITS

- Lower maintenance expenditures
- Prevent pre-mature bearing failure
- Reduce downtime
- Increase machine and product quality

### WHO SHOULD ATTEND

Recommended for all level of personal that are interested to know more about bearings or involved in bearing handling, maintenance and purchases

### 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.

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# COURSE TOPICS

## Lesson 1

### Basic Bearing Knowledge

- Bearing components
- Component variety
- Component functions and selection

## Lesson 2

### Types of Bearings

- Roller & ball bearings
- Radial & thrust bearings



## Lesson 3

### Bearing Part Number & Designation

- ISO Standards
- Basic designation
- Suffix and prefix designation
- Bearing & dimension series
- Special bearings
- Common application

## Lesson 4

### Bearing radial internal clearance

- Definition
- Thermal & fitting expansion
- Load distribution
- Clearance influential during operation

## Lesson 5

### Bearing selection

- Bearing selection factors
- Selection parameters

## Lesson 6

### Proper Handling & Storage

- Proper handling procedures
- Storage requirements



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# REGISTRATION

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Job Title / Department: \_\_\_\_\_  
Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_  
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2<sup>ND</sup> Delegate Name: \_\_\_\_\_  
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3<sup>RD</sup> Delegate Name: \_\_\_\_\_  
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Email: \_\_\_\_\_

**APPROVED BY:** \_\_\_\_\_

Job Title / Department: \_\_\_\_\_  
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## 2 easy ways to Register



(603) 4047 3465

Complete and fax this registration form



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