

BEARING MAINTENANCE & APPLICATION – ADVANCE

IL01

Making the most out of your investment in training by further enhance your knowledge on bearing applications. There is always a way we had for you to improve your knowledge and your plant's maintenance strategy.

COURSE OBJECTIVE

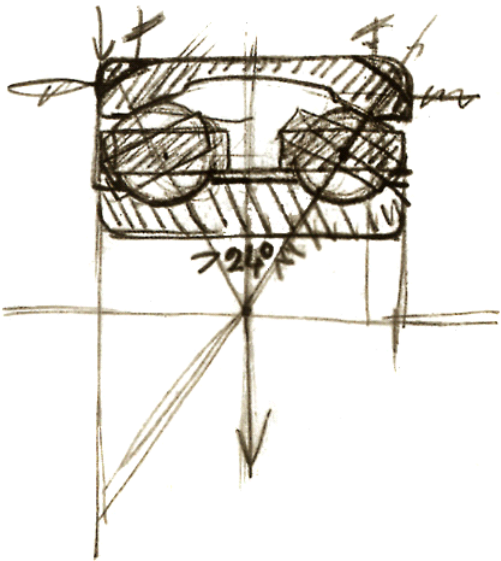
As a subsequent course of Bearing Maintenance & Application - General (EL01), the Advance Level course focuses more details in bearing manufacturing technology and processes, bearing expectancy life calculation, selection of shaft / housing fitting tolerance, internal clearance setting, bearing arrangement and lubricant replenish period.

BENEFITS

- End users can choose a bearing more wisely with better understanding on manufacturing technology and specifications
- Machine makers and designers are able to estimates the service life of the bearings within their machines with the life calculation
- Preventing bearings from failing prematurely with correct selection of fittings and setting of internal clearance

WHO SHOULD ATTEND

Recommended for engineers and personal that have experience working with bearings on the field or involved in bearing selection for machines design and maintenance planning.



PRE-REQUISITE

Bearing Maintenance & Application – General (**EL01**)

COURSE MATERIALS

Comprehensive notes and collection of calculation examples

COURSE DURATION

2 DAYS

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

Bearing Specification & Selection

- Bearing manufacturing technology
- Dynamic & fatigue load
- Internal geometry and designs
- Reference & limiting speed
- Dimensions tolerance
- Internal clearance class
- Special applications (i.e. high speed, vibration)

Lesson 2

Life Calculation

- What is L_{10} ?
- How is L_{10} developed?
- Factors to be consider in L_{10} calculation
- Adjusted Life Calculation
- Bearing Life Calculation Example

Lesson 3

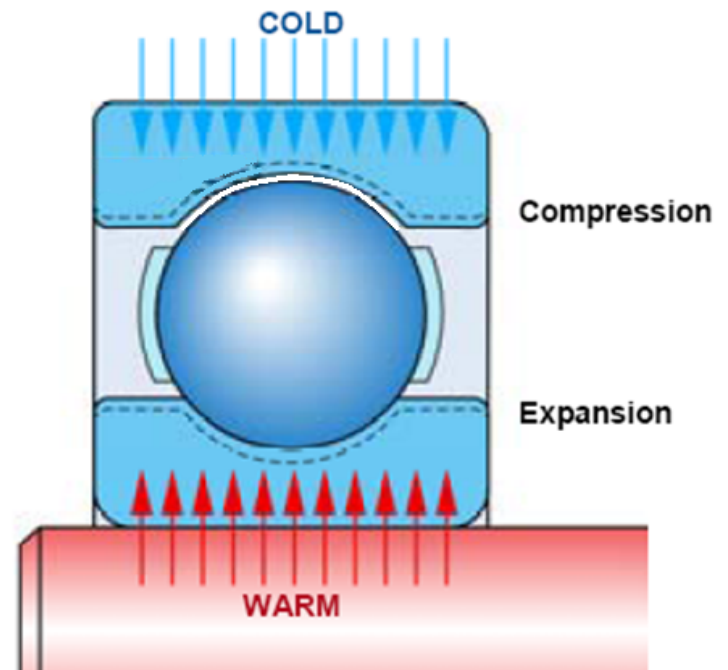
Fitting Tolerance Selection

- Type of loads
- Magnitude of loads
- Direction of loads
- Type of applications
- Type of fitting tolerances
- Fitting tolerance selection & calculation

Lesson 4

Bearing Internal Clearance

- What is bearing internal clearance?
- Thermal & fitting expansion
- Measuring internal clearance on different type of bearings
- Radial internal reduction calculation



Lesson 5

Bearing Orientation

- Locating & non locating
- Why bearings need to be locate?
- Applications

REGISTRATION

SIGN UP
NOW!



1ST Delegate Name: _____
Job Title / Department: _____
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