

REVCO (PRIVATE) LIMITED

Bearing Technology Training

Course Information according to level

Revco's training courses are based on over 100 years of experience and knowledge, unmatched due to our principals' role in developing bearing and rotating shaft technology. Revco offers accredited training to suit your requirement, either on site at your premises, or off site at our training facility.

Benefits of Bearing Training

- Clearly identified skills improvement.
 - Segmented Skills outline
 - Targetable improvement
 - Fill knowledge gaps
 - Refresh/update knowledge
- Minimise downtime and increase productivity through training staff to complete tasks efficiently, while maximising product lifespan.
- Increase reliability by eliminating re-work and machinery issues.
- Enhance plant safety, reduce the need for supervision and improve proactive maintenance measures.

Employee Empowerment

Empower employees with the latest methods and advancements, creating dedicated and interested team members. Promote a team environment with immediate skill impact, nurturing potential to retain top talent in your business.

- Increasing morale and job satisfaction leads to 17% higher levels of productivity.
- Businesses that have actively interested and dedicated employees see 41% lower absenteeism rates.



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On-Site Training

On-Site training is conducted at your premises, if adequate training facilities are available. This option is for organisations that are based outside of Harare City limits. Travel and associated costs are included in the amount invoiced.

Minimum Group

A minimum group of 8 participants is required to book training.

Exceptions

Exceptions to the minimum participants are available if any of the following conditions are met;

- specialised technical training such as Thermography
- The extra slots can be filled, by Revco with participants outside of the organisation, from the general area of your premises.

Off-Site Training

Off-site training is hosted at Revco's training facility, at our head-office in Graniteside, Harare. This option is for organisations that are based with in Harare City limits.

Group Sessions

A minimum of 10 participants are required to book a group session, which will consist only of your employees. The maximum number of participants for a group session is 12.

Mixed Sessions

There is no minimum number of employees needed for a mixed session, however these sessions will only be scheduled once there are enough participants to make up the minimum requirement.

Exceptions

Should you book a group session with less than 12 participants, the extra slots may be filled with participants from other organisations if need be.

Exceptions to the minimum number of participants are available for specialised technical training such as Thermography.



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Level 1

Target Group:

Store Room Staff, Apprentices, Procurement, Semi-skilled workers.

Duration:

1 Day.

Objective:

To provide participants with the foundation of Bearing Technology Basics.

Structure:

The program is structured to impart the foundation of basic bearing knowledge.

Content:

- Introduction.
- Basic Bearing knowledge 1.
 - Nomenclatures / Designations
 - Identification
 - Selection
 - Care and storage
 - Handling
- Limits, fits, clearances and preloads.
- Bearings related products.

Benefits:

The participants will become aware of the various bearing designations and what each character corresponds to, the importance of using high quality products and the critical parameters that promote increased bearing life.



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Level 2

Target Group:

Level 1 Participants, Apprentices, Technicians and Artisans.

Duration:

2 Days.

Objective:

To provide participants with the skills necessary to carry out proper bearing related work.

Structure:

The program is structured on the fundamental premise that the area in the organisation where the quickest results can be obtained is by training the people who handle the equipment in the plant or shop floor on a day-to-day basis.

Content:

- Introduction.
- Basic Bearing knowledge 1.
- Basic Bearing knowledge 2.
 - Nomenclatures
 - Identification
 - Selection
 - Care and maintenance
- Limits, fits, clearances and preloads.
- Mechanical and thermal mounting and dismounting methods.
- Lubrication and grease theory.
- Practical.

Benefits:

The participants will become aware of the correct methods and tools for mounting and dismounting of bearings in addition to the critical parameters that promote increased bearing life.



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Level 3

Target Group:

Level 2 participants, Technicians and Artisans, Foreman, Supervisors.

Please note that Technicians and Artisans must complete level 2 training before being accepted for the Level 3 course.

Duration:

3 days.

Objective:

To provide participants with the skills necessary to carry out proper bearing mounting, dismounting, lubrication and identifying common causes of bearing failures.

Structure:

The program is structured on the fundamental premise that the area in the organisation where the quickest results can be obtained is by training the people who handle the equipment in the plant or shop floor on a day-to-day basis.

Content:

- Introduction.
- Basic Bearing knowledge 1.
- Basic Bearing knowledge 2.
 - Nomenclatures
 - Identification
 - Selection
 - Care and maintenance
- Limits, fits, clearances and preloads.
- Mechanical, thermal and hydraulic mounting and dismounting methods.
- Grease of oil theory and grease lubrication.
- Common causes of bearing failure.
- Practical.

Benefits

The participants will have the opportunity of seeing and using various types of tools such as induction heaters, hydraulic pumps and nuts, pullers and fitting tools.



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Level 4

Target Group:

Level 3 Participants, Factory and Plant managers, Maintenance and Production Engineers.

Please note that this is an Engineers Level Course and relevant experience is necessary before being accepted for Level 4 training.

Duration:

4 days.

Objective:

To provide participants with the working knowledge of bearings in order to minimise breakdowns and maximise plant efficiency.

Structure:

The program is structured around the technology of different bearing types in theory and their applications, including lubrication. Followed by practical sessions and assessments, bearing failure analysis and bearing life calculations.

Content:

- Introduction.
- Basic Bearing knowledge 1.
- Basic Bearing knowledge 2.
- Limits, fits, clearances and preloads.
- Mounting and dismounting methods.
 - Hydraulic
 - Thermal
 - Mechanical
- Grease of oil theory and grease lubrication.
- Common causes of bearing failure.
- Practical sessions and assessments.
- Bearing life calculations

Benefits

The participants will leave equipped with the knowledge to avoid common problems related to premature bearing failure and appreciate the role that preventative maintenance plays in the efficient running of a plant.



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