

# ME13: Bearing Service

Catalogue Number	ME13-0001
Category	JobMaster
Duration	15 Hours

## Skill 1: Identifying Anti-Friction Bearings

- 1.1: Introduction
- 1.2: Ball Bearings
- 1.3: Roller Bearings
- 1.4: Needle Bearings
- 1.5: Bearing Seals
- 1.6: Standards
- 1.7: Skill Overview
- 1.8: Skill Drill
- 1.9: Concept Review

## Skill 2: Identifying Plain Bearings

- 2.1: Introduction
- 2.2: Plain Bearing Materials
- 2.3: Skill Overview
- 2.4: Skill Drill
- 2.5: Concept Review

## Skill 3: Using an Arbor Press

- 3.1: Arbor Presses
- 3.2: Operation
- 3.3: Press Fits
- 3.4: Skill Overview
- 3.5: Skill Drill
- 3.6: Concept Review

#### **Skill 4: Using a Bearing Puller**

- 4.1: Usage
- 4.2: Skill Overview
- 4.3: Skill Drill
- 4.4: Concept Review

#### **Skill 5: Installing and Removing Bushings**

- 5.1: Introduction
- 5.2: Manual Impact Method
- 5.3: Skill Overview
- 5.4: Skill Drill
- 5.5: Concept Review

#### **Skill 6: Using a Cone Heater**

- 6.1: Introduction
- 6.2: Safety
- 6.3: Operation
- 6.4: Skill Overview
- 6.5: Skill Drill
- 6.6: Concept Review

#### **Skill 7: Loading a Grease Gun**

- 7.1: Introduction
- 7.2: Loading
- 7.3: Use
- 7.4: Skill Overview
- 7.5: Skill Drill
- 7.6: Concept Review

## **Skill 8: Greasing a Pillow Block**

- 8.1: Bearing Lubrication
- 8.2: Plain Bearing Lubrication
- 8.3: Anti-Friction Bearing Lubrication
- 8.4: Maintaining Lubrication
- 8.5: Skill Overview
- 8.6: Skill Drill
- 8.7: Concept Review

## **Skill 9: Hand Packing a Bearing**

- 9.1: Packing a Bearing by Hand
- 9.2: Skill Overview
- 9.3: Skill Drill
- 9.4: Concept Review

## **Skill 10: Using a Bearing Packer**

- 10.1: Introduction
- 10.2: Usage
- 10.3: Skill Overview
- 10.4: Skill Drill
- 10.5: Concept Review

## **Skill 11: Demonstrating Bearing Seal Principles**

- 11.1: Introduction
- 11.2: Types
- 11.3: Seal Materials
- 11.4: Skill Overview
- 11.5: Skill Drill
- 11.6: Concept Review

## **Skill 12: Performing Bearing Failure Analysis**

- 12.1: Introduction
- 12.2: Troubleshooting
- 12.3: Failure Analysis
- 12.4: Skill Overview
- 12.5: Skill Drill
- 12.6: Concept Review