

ME03: Machine Shafts and Keys

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| Category | Mechanical Systems |
| Duration | 15 Hours |
| Software Supplied | - |

Machine Shafts and Keys

Skill 1: Measuring and Verifying Shafts

- 1.1: Types of Shafting
- 1.2: Shaft Tolerances
- 1.3: Skill Overview
- 1.4: Skill Drill
- 1.5: Concept Review

Skill 2: Demonstrating Shaft Expansion Principles

- 2.1: Linear Expansion of Shafting
- 2.2: Radial Expansion of Shafting
- 2.3: Skill Overview
- 2.4: Skill Drill
- 2.5: Concept Review

Skill 3: Measuring Eccentricity and Shaft Runout

- 3.1: Eccentricity of Shafts
- 3.2: Skill Overview
- 3.3: Skill Drill
- 3.4: Concept Review

Skill 4: Demonstrating Shaft Key Principles

- 4.1: Keys and Keyseats
- 4.2: Key Sizes
- 4.3: Skill Overview
- 4.4: Skill Drill
- 4.5: Concept Review

Skill 5: Preparing a Key from Keystock

5.1: Cutting Keys from Keystock

5.2: Skill Overview

5.3: Skill Drill

5.4: Concept Review

Skill 6: Shaft Troubleshooting and Failure Analysis

6.1: Causes of Shaft Failure

6.2: Skill Overview

6.3: Skill Drill

6.4: Concept Review