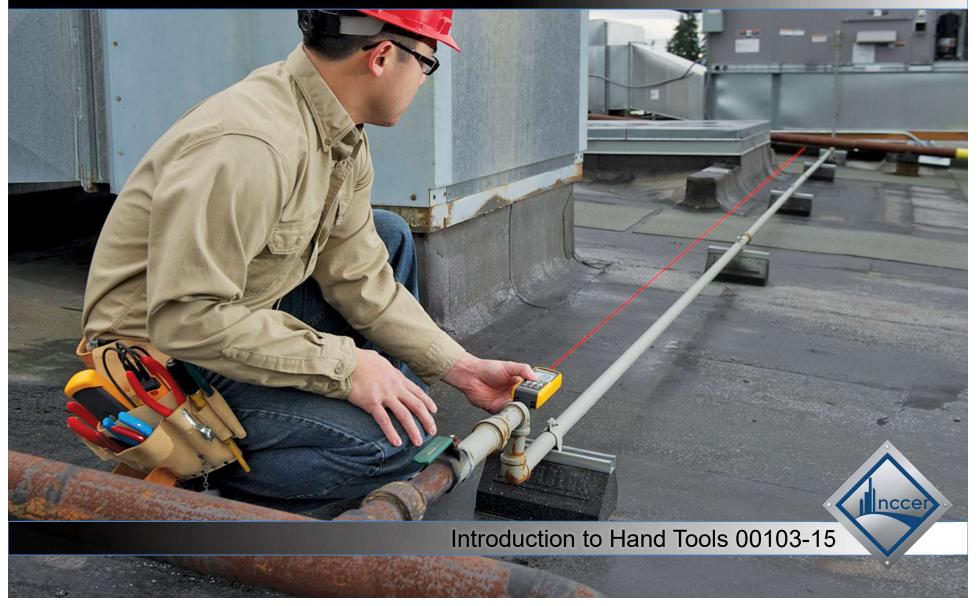
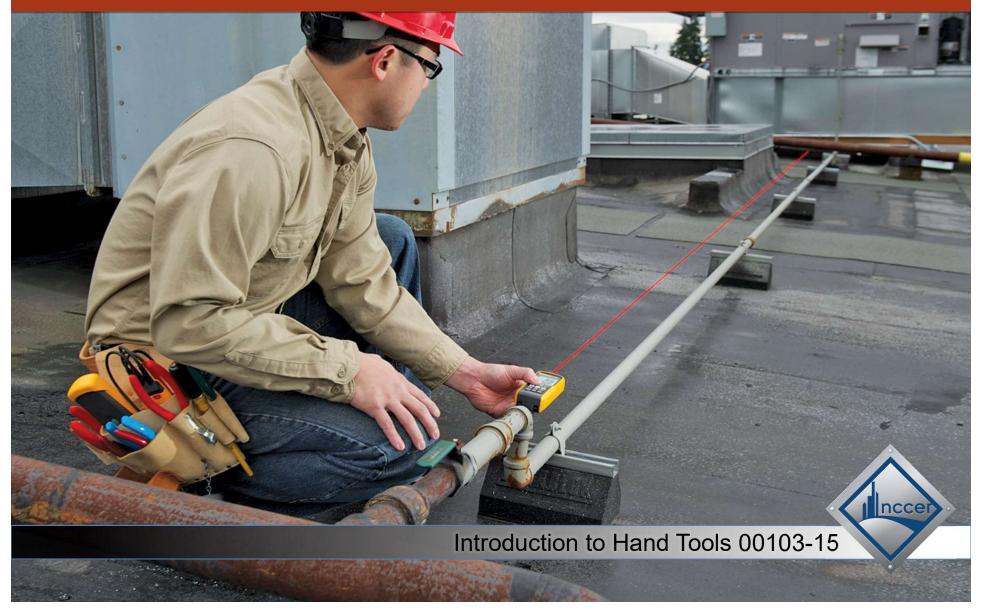
# CORE CURRICULUM



# **Session 1: Common Hand Tools**



# **Session One Objectives**

When trainees have completed this session, they should be able to do the following:

- 1. Identify and explain how to use various types of hand tools.
  - a. Identify and explain how to use various types of hammers and demolition tools.
  - b. Identify and explain how to use various types of chisels and punches.
  - c. Identify and explain how to use various types of screwdrivers.
  - d. Identify and explain how to use various types of non-adjustable and adjustable wrenches.
  - e. Identify and explain how to use various types of socket and torque wrenches.
  - f. Identify and explain how to use various types of pliers and wire cutters.

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# **Session One Objectives**

When trainees have completed this session, they should be able to do the following:

- 2. Identify and describe how to use various types of measurement and layout tools.
  - a. Identify and explain how to use rules and other measuring tools.
  - b. Identify and explain how to use various types of levels and layout tools.



# **Session One Performance Tasks**

- 1. Visually inspect the following tools to determine if they are safe to use:
  - Hammer or demolition tool
  - Chisel or punch
  - Screwdriver
  - Adjustable or non-adjustable wrench
  - Socket
  - Torque wrench
  - Pliers
  - Wire cutters
  - Measuring tool
  - Layout tool
  - Level

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# **Session One Performance Tasks**

- 2. Safely and properly use the following tools:
  - Hammer or demolition tool
  - Chisel or punch
  - Screwdriver
  - Adjustable or non-adjustable wrench
  - Socket
  - Torque wrench
  - Pliers
  - Wire cutters
  - Measuring tool
  - Layout tool
  - Level

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# Sections 1.1.0 to 1.1.3 – Hammers

Hold the hammer with the end of the handle even with the lower edge of your palm. Keep your eye on the nail head!



## Sections 1.1.0 to 1.1.3 – Hammers

Ball-peen hammers should not be used to hammer a nail, since the steel is tough but not as hard.



## Sections 1.1.0 to 1.1.3 – Hammers

Sledgehammers are heavy and require a lot of effort to swing. Start with lighter blows until you achieve a rhythm.



#### Sections 1.2.1 to 1.2.3 – Chisels and Punches

Cold chisels are designed for working with metal. Many wood chisels are designed to be tapped with a mallet, but others are designed only for use by hand.



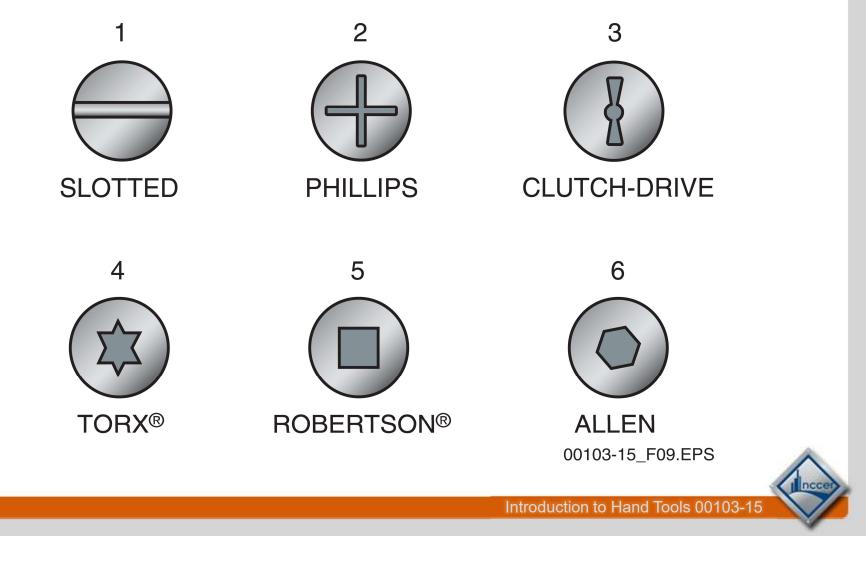
#### Sections 1.2.1 to 1.2.3 – Chisels and Punches

Center and prick punches have different tip angles. Pin punches (not shown here) have straight and round shafts and are often used to drive connecting pins out.



## **Section 1.3.0 – Screwdrivers**

Each screw drive type has its own advantages. Some are popular for woodworking while others have more varied purposes.



### **Section 1.3.0 – Screwdrivers**

A slotted screwdriver that does not fit the screw head is likely to result in damage to the screw and possibly the workpiece as well.

