

Hand Tools

This three-day course describes various hand tools, including their intended uses, cautions against misuse, and telltale signs for repair or replacement of tools. Also discussed in this course are the required maintenance actions used to keep tools safe and efficient. The course can be tailored to include your specific tools or presented as is. This course is designed for facility maintenance personnel.

I. Wrenches

- Sockets
- Handle-Type Wrenches
- Combination Box/Open-End Wrenches
- Box Wrenches
- Open-End Wrenches
- Adjustable Wrenches
- Torque Wrenches
- Spanner Wrenches

II. Pliers

- Linemen's Side Cutting Pliers
- Ironworkers Pliers
- Long Nose Pliers
- Diagonal Cutting Pliers
- Flat-Nose Pliers
- End-Cutting Pliers
- Slip Joint Pliers
- Tongue and Groove Pliers
- Locking Pliers-Wrenches
- Cutters
- Retaining Ring Pliers

III. Striking Tools

- Nail Hammers
- Ball Peen Hammers
- Riveting and Setting Hammers
- Scaling or Chipping Hammer
- Bricklayers' Hammers

- Prospecting Picks
- Soft Face/Non-Ferrous Hammers and Mallets
- Magnetic Hammers
- Engineers Hammers/Sledges, Double Face
- Blacksmiths' Hand Hammers and Sledges
- Stone Sledges and Spalling Hammers
- Hand Drilling or Mash Hammers
- Bush Hammers
- Woodchoppers' Mauls
- Axes and Hatchets

IV. Struck or Hammered Tools

- Cold and Hot Chisels
- All-Steel Wood and Ripping Chisels
- Hand Punches
- Blacksmiths' Round/Backing Out Punches
- Drift Pins
- Star Drills
- Brick Chisels and Brick Sets
- Wood Splitting Wedges
- Nail Puller Bars
- Ball Sets

V. Redressing Instructions

- Screwdrivers
- Vises
- Clamps
- Snips
- Tool Boxes, Chests and Cabinets
- Automotive Tools
- Pipe Tools