

Safety for Metal Cutting 115

Metal Cutting Department

Objectives

Lesson: **1** of 15

- Identify common hazards during metal cutting.
- Describe the purpose of OSHA.
- Describe the PPE required for cutting operations.
- Identify common fire hazards for cutting operations.
- Identify common point of operation hazards.
- Describe common safety hazards on the manual lathe.
- Describe common safety hazards on the manual mill.
- Describe machine guarding methods for CNC machines.
- Describe common safety hazards associated with cutting fluids.
- Describe methods to protect yourself from contact with chips.
- Describe safe lifting practices for cutting operations.
- Describe safe tool handling practices for cutting operations.
- Describe the characteristics of a well-organized worksite.

Lesson Images



Figure 1. Hot wax protects a tool's sharp blades.



Figure 2. A chip guard protects operators from contact with hot chips.

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