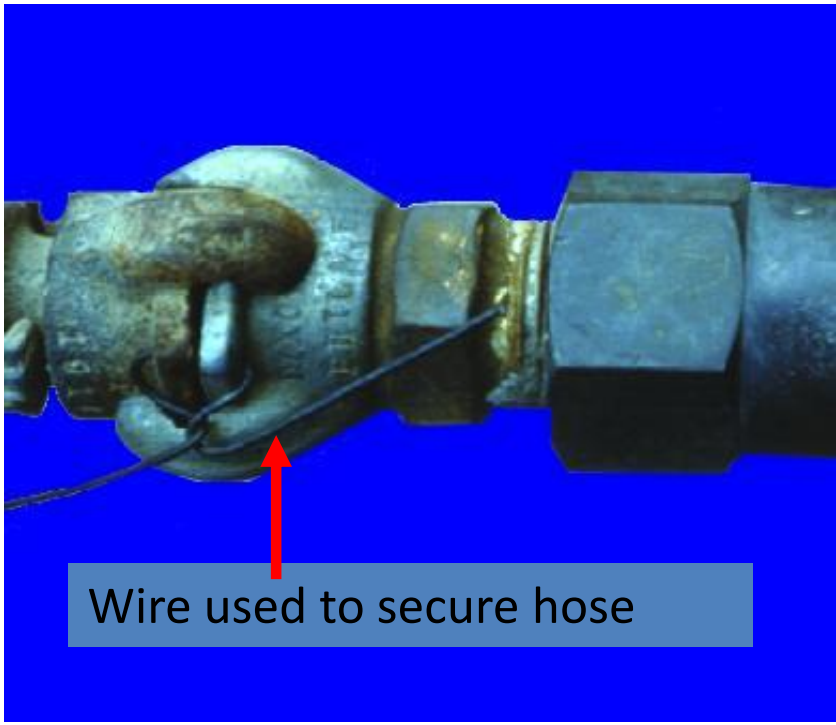
Small Pneumatic Tool Safety

ECI Safety

Pneumatic Tools - Fastening

- Ensure tool is fastened securely to the air hose to prevent a disconnection

- Use a short wire or positive locking device attaching the air hose to the tool



Pneumatic Tool Connections

•← Unacceptable

•← Acceptable

Compressed Air Cleaning

- Don’t use compressed air for cleaning

- Exception - where reduced to less than 30 p.s.i. with effective chip guarding and PPE

2 Chip Guarding

When blowing off debris with an air gun in close quarters, workers are subject to "chip fly-back". This term refers to the tendency of loose particles or chips to fly back into the operator's face, eyes or skin. For operations that require close-in work, OSHA mandates that "effective chip guarding" be incorporated into the workplace. One way to accomplish this is through innovative nozzle design.

Air Gun Nozzle with Chip Fly-Back Safety Feature

A portion of the main air flow is diverted through slots around the periphery of the nozzle to form a protective air cone. The protective air cone helps prevent chips and other debris from "flying back" towards the operator. This nozzle design, if dead-ended, allows 100% of the air flow to be diverted out the slots thus preventing blockage, thereby satisfying the OSHA Standards pertaining to both Chip Guarding and Output Pressure. (See photo)

Relevant OSHA Standard:

29CFR Part 1910.242 (b) Hand and portable powered tools and equipment, general.

OSHA Instruction SDT 1-13.1

(OSHA Program Directive #100-1)