

*Automotive Engines 10th*

**Chapter 6 Power Tools and Shop Equipment**

**SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.**

1. How is the size of a vise determined?
2. What safety precautions should be adhered to when working with a vise?
3. Which trouble light design(s) is (are) the recommended type for maximum safety?
4. When using a blow gun, what precautions need to be taken?
5. What tools used by service technicians use compressed air?

## Answer Key

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1. The size of a vise is determined by the width of the jaws. Two common sizes of vises are 4 inch and 6 inch models.  
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2. A vise can damage the surface of a part or a component unless protective jaws are used or other materials, such as a shop cloth, is used between the jaws and the component. Use caution not to over tighten an object.  
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3. For maximum safety either a fluorescent or an LED trouble light should be used.  
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4. When using a blow gun, be sure that the air pressure is 30 psi or less at the gun and that only an OSHA approved air gun is used.  
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5. Some of the tools that use compressed air include an air impact wrench, die grinder, air ratchet, and air drill.  
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