

Drill & Inline Drill Press Safety and Kreg Jeg

Name _____ Date _____

Multiple Choice - Write the letter that best answers the question to the left of the question number.

- _____ 1. When operating the drill press, what should be done with long hair?
- a. Hold it away from the drill bit with one hand
 - b. Put it under a cap or hair net and keep your head away from moving parts
 - c. Get a haircut
 - d. Keep your head back away from moving parts
- _____ 2. What type of drill press chuck should be used with a straight shank twist drill?
- a. Universal 3-jaw chuck
 - b. Jacobs chuck
 - c. Morse tapered chuck
 - d. Any of these are acceptable
- _____ 3. Which item(s) of protective equipment is/are absolutely necessary when operating the drill press?
- a. Leather gloves
 - b. Leather apron
 - c. Steel toed shoes
 - d. Safety glasses
- _____ 4. Which of the following conditions would be unsafe when operating a drill press?
- a. Floor is slippery from spilled cutting oil
 - b. Drill area is cluttered with tools and scrap metal
 - c. The belt guard is loose
 - d. All of above
- _____ 5. If the metal being drilled begins to revolve, you should _____.
- a. turn off the drill press and free the metal.
 - b. tap the metal lightly with a hammer to free it from the bit.

- c. stop it with your hands.
- d. move the drill press table into the rotating piece of metal.

- _____ 6. To select the proper twist drill, one should check _____.
- a. size, sharpness and type of shank
 - b. drill speed
 - c. lubrication needed
 - d. length of the drill cutting lips
- _____ 7. Before turning on the drill press the operator should _____.
- a. tighten the drill press table locking clamp
 - b. clamp work in a vise
 - c. remove the chuck key
 - d. all of the above
- _____ 8. Which is not a safe way to secure metal while it is being drilled?
- a. Hold it firmly by hand, but securely on the drill press table
 - b. In a drill press vise
 - c. Clamp
 - d. Between supports mounted on the drill press table
- _____ 9. Which should be done while drilling metal with the drill press?
- a. Change speed of the drill press
 - b. Maintain enough feed pressure to keep the bit cutting at all times
 - c. Keep the drill press quill locked
 - d. Lubricate the chuck
- _____ 10. When a bit seizes it may _____.
- a. break the bit
 - b. cause the vise to turn
 - c. cause the bit to slip in the chuck
 - d. all of the above
- _____ 11. After the drilling is finished, which of the following should be completed first _____.
- a. turn off the drill press
 - b. remove the drill bit from the chuck
 - c. remove the work from the drill press vise

d. none of the above should be done first

_____12. Metal chips should be removed from the drill press _____.

- a. by wiping with the hand
- b. by blowing with compressed air
- c. by using a brush
- d. any of the above are satisfactory

_____13. When drilling long material what precaution(s) should be taken?

- a. Support the clamped end with a stand
- b. Put the long end of the stock to the right of the operator
- c. Support the unclamped end with a stand
- d. None of the above

_____14. After a drilling operation is completed what potential hazard should the operator be alert to_____.

- a. the twist drill will be dull
- b. sharp edges and burrs around the hole
- c. hot cutting oil
- d. stresses built up in the metal being drilled

_____15. To prevent seizing one should _____.

- a. keep the bit well lubricated
- b. reduce feed pressure when the hole is about finished
- c. reduce speed of the drill bit
- d. put a block of wood under the metal being drilled