

CHAPTER 6

Drilling

Matching

Directions: Identify each part of the power drill and bit shown in Fig. 6-1. On the line next to the name of each part, write the letter from the illustration that shows the part.

- _____ 1. collar
- _____ 2. jaws
- _____ 3. bit shank
- _____ 4. chuck key

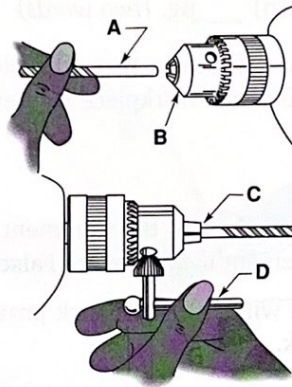


Fig. 6-1

Completion

Directions: On the line to the left of each sentence, write the word or phrase that correctly completes the sentence or answers the question.

- _____ 5. The tool being used in Fig. 6-2 is a(n) _____. (two words)

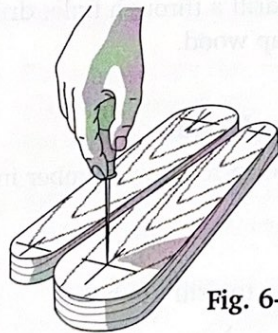


Fig. 6-2

- _____ 6. The size of a twist drill is stamped on its _____.
- _____ 7. A 5 stamped on an auger bit shows that the bit is _____ inch in diameter.
- _____ 8. To use a twist drill, fasten it into the _____ of a bit brace.

(Continued on next page)

- _____ 9. A power drill for woodworking should be variable-speed and _____.
- _____ 10. A(n) _____ can be used to drill holes 1/4 inch or less in diameter by turning the crank. (two words)
- _____ 11. The size of a brace is determined by the size of its _____.
- _____ 12. A depth _____ controls the depth of the hole being drilled.
- _____ 13. A common aid for drilling holes that hold two pieces of wood together is a(n) _____ jig. (two words)
- _____ 14. When drilling a through hole, clamp a piece of scrap wood to the exit side of the workpiece to prevent _____.

True or False

Directions: Read each statement carefully. If the statement is true, write **True** in the blank to the left of that numbered item. If the statement is false, write **False** in the blank.

- _____ 15. A power drill with a larger chuck provides less torque than a power drill with a smaller chuck.
- _____ 16. Variable-speed power drills allow you to adjust speed by turning a thumbscrew.
- _____ 17. As the torque of a power drill increases, drill speed decreases.
- _____ 18. Pliers are needed to change a drill bit in a power drill that has a keyless chuck.
- _____ 19. The only difference between a "power drill" and a "power screwdriver" is the type of bit that has been inserted into the chuck.
- _____ 20. When using an auger bit to drill a through hole, drill all the way through the workpiece deep into the scrap wood.

Step-by-Step Procedures: Drilling a Hole

Directions: Match each item in Column I with the correct step number in Column II. Write one letter in the blank at the left of each numbered item.

- Column I**
- _____ 21. Pressing straight down, begin to drill the hole.
 - _____ 22. Place the point of the bit in the starter hole.
 - _____ 23. Choose the correct size bit and fasten it to the drill.
 - _____ 24. Use a scratch awl to make a small hole at the center of the hole location.
 - _____ 25. Clamp the workpiece in a vise or to the workbench.

Matching

Directions: Identify each part of each part, write the letter from

- _____ 1. adjuster
- _____ 2. bottom
- _____ 3. eccentric
- _____ 4. cam
- _____ 5. flange
- _____ 6. chuck
- _____ 7. handle

Completion

Directions: Complete the sentence

- _____
- _____
- _____

- Column II**
- A. Step 1
 - B. Step 2
 - C. Step 3
 - D. Step 4
 - E. Step 5