

Homework - Countersinking and Counterboring

Student Name _____ Date: _____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

- 1) To chamfer a hole, use a:
A) Countersink B) Reamer C) Chamfer file D) counter bore 1) _____
- 2) To provide a tapered hole for a flat head screw, use a:
A) Counterbore B) Center drill C) Countersink D) Taper reamer 2) _____
- 3) A counterbore is used to:
A) Make center holes in shafts B) Enlarge holes to recess a bolt head
C) Make seats for flat head screws D) All of the above 3) _____
- 4) Spotfacing is done with a:
A) Countersink B) Spotting drill C) Spotfacer D) Counterbore 4) _____
- 5) Which inch size pilot should be used in a .500 inch diameter hole?
A) .498 B) .502 C) .505 D) .490 5) _____
- 6) The cutting speed used with a counterbore when compared with an equal size twist drill is:
A) One-third more B) The same
C) One-third less D) None of the above 6) _____
- 7) The included angle of a center drill is _____ degrees?
A) 90 B) 30 C) 60 D) 120 7) _____
- 8) Most commonly used flat head screws have a head angle of _____ degrees.
A) 72 B) 82 C) 52 D) 60 8) _____
- 9) Before starting to counterbore a hole:
A) Lubricate the drill press spindle B) Reduce the feed by one-third
C) Lubricate the pilot D) All of the above 9) _____
- 10) The most important factor when counterboring is:
A) The feed rate B) The kind of coolant used
C) Cutting speed D) To fasten the work securely 10) _____