

Brass 10" Pepper Mill Kit

#PKGRIND6

Kit Features

- Handsome brass and wood design pepper mill
- Create your own profile
- Quality ceramic grinding mechanism

Required Accessories

- Drill bit - 1-1/16 spade bit (or fostner bit w/ extension)
- Brill bit - 1-1/2 fostner bit #FB150
- 3" jaw drill chuck
- 1" expanding jam chuck #CJAM1
- 60° heavy duty live tail stock center

Preparing the blank

- Prepare a blank 8-7/8" long, 3x3" square, be sure the end of the blank are cut square
- Mark the center on both ends
- Drill a 1-1/2" hole, 3/8" deep on one end of the blank
- Continue to drill from the center of the 1-1/2" hole, drill a 1-1/16" diameter through to the end of the blank
- 60° heavy duty live tail stock center.

NOTE: If the stroke on the drill press is not long enough to complete the entire work piece, you may drill a partial hole from each end. Be sure first that the ends are both cut square.

Turning the blank

- Mount a drill chuck on the head stock of the lathe
- Insert a 1" jam chuck into the jaws. Loosen the pressure on the rubber insert.
- Mount the blank according to diagram "B" tighten the jam chuck in the hole. Use the 60° tail stock live center for support on the opposite end.
- Turn the blank down to the design of your choice or use diagram "C" as a suggestion.
- Turn a 1" long recess at the bottom. Test that the base cap fits snugly over the recess.
- Turn a 1/8" long recess at the opening on the top. Test that the twist cap moves freely.
- Sand and finish the blank

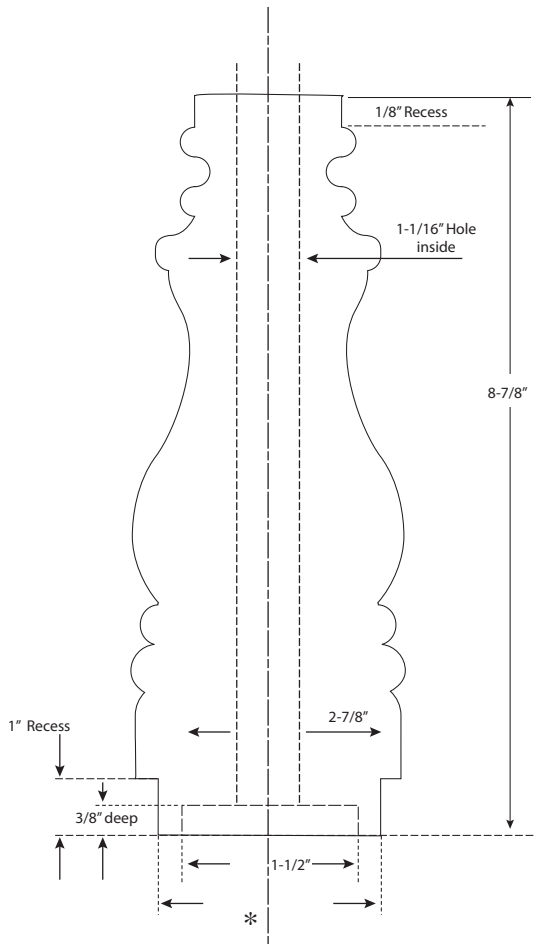


Assembly

- Insert the grinding assembly through the bottom, up into the hole. Follow with the bottom plate, flat side in first to cover the grinder. Align the mounting grooves and mark for mounting screws. Remove the mechanism and drill pilot holes for screw. Replace and screw the bottom plate over the grinder.
- Place the twist cap over the recess at the top end. Place and screw the knurled nut over the rod threads.
- To adjust the pepper grind, turn the knurled nut clock-wise for fine and counter clock-wise for coarse grind.

Diagram C - Wood blank

Match OD to twist cap (1-5/8" nominal)



* Match OD to base cap (2-3/4" nominal)

Diagram B - Mounting the blank on the lathe

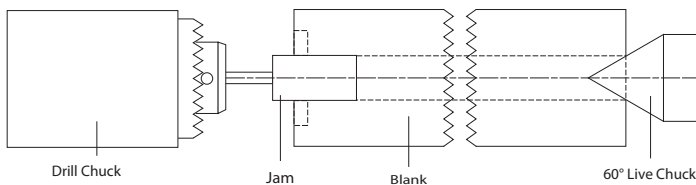


Diagram A - Mechanism

