

Mini Press Top Salt/Pepper Mill Kit

Kit Features:

- Easy to turn
- Minimum parts - easy to assemble
- Mills Salt or Pepper
- One hand operation

Required Accessories:

- 3 Jaw Drill Chuck
- 1-1/16" Forstner Bit #FB1-116
- 1-1/2" Forstner Bit #FB150
- 11/32" Drill Bit # PK-1132
- 1-1/16" Drill Chuck Mandrel #PKDCMPT
- Blanks:
Base Blank - 2" Square(min) x 4-7/16"
- Plunger Blank - 1-1/4" Square x 1-1/2"

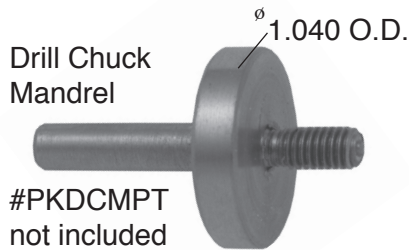
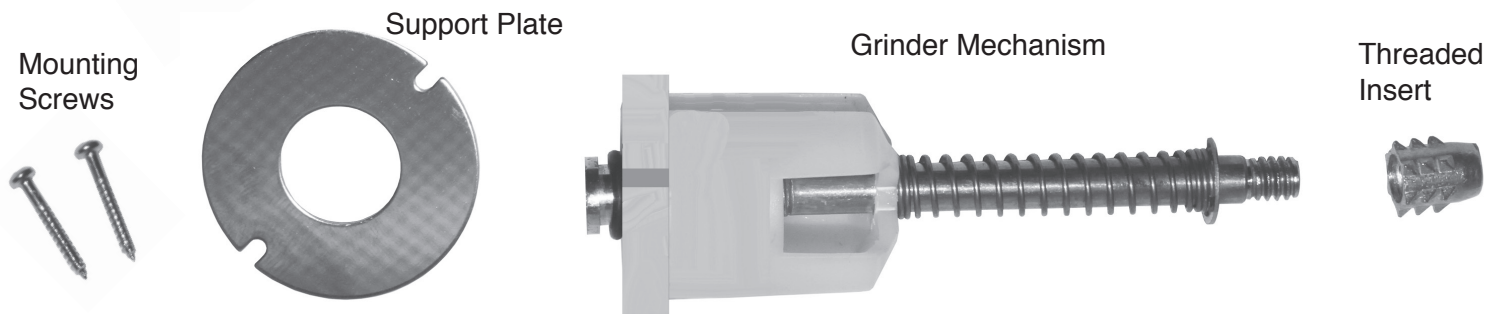


DIAGRAM A / PARTS LAYOUT



Preparing the Blanks:

A. BASE:

- Cut a blank 2" square x 4-7/16" Long
- Mark the center of each end
- Drill a 1-1/2" hole, 5/8" Deep at one end
- Drill a 1-1/16" hole, following the original hole to the end of the blank. When the blank is cut square, you can drill the blank from both (sides) ends of the blank

B. PLUNGER:

- Cut a blank 1-1/4" Square x 1-1/2" Long
- Mark the center on one end. Drill a 11/32" hole, 3/4" deep into the blank
- Squeeze CA Glue into the hole and knock the threaded insert, round end in first flush with the opening of the blank.

DIAGRAM B / DRILLING THE BLANKS

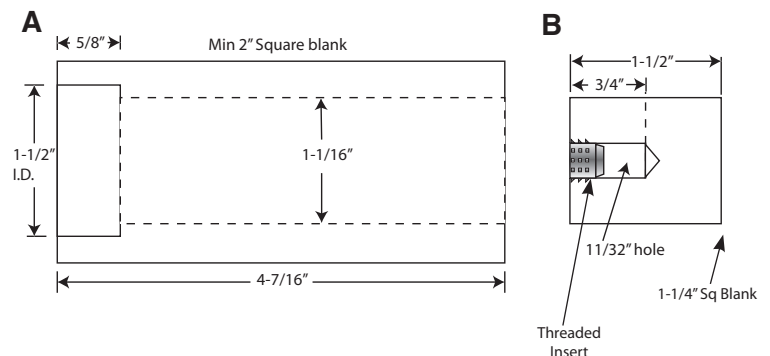
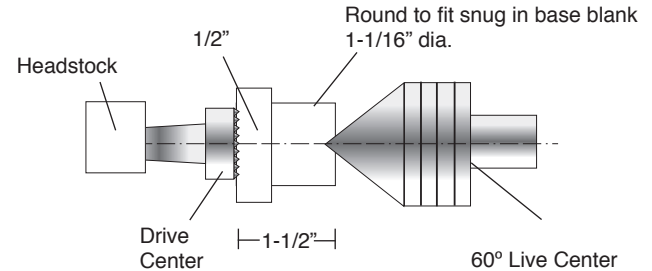
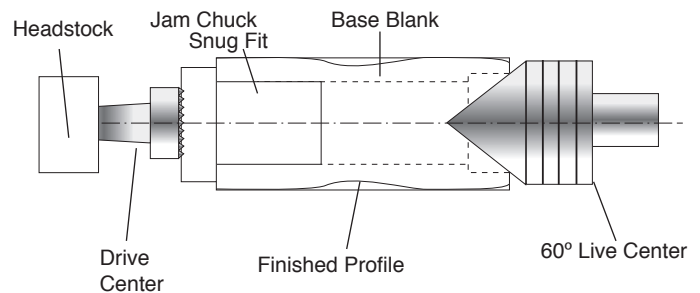


DIAGRAM C / TURNING A JAM CHUCK**Turning a Jam Chuck (see Diagram C)**

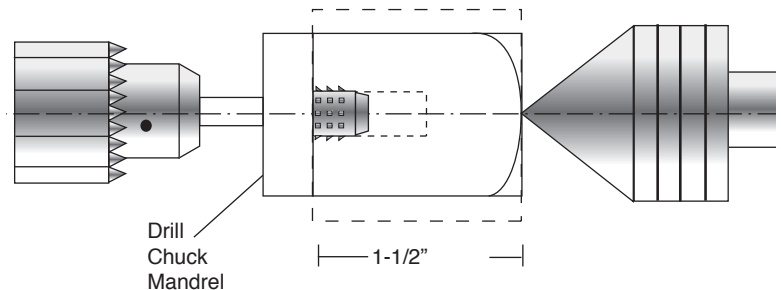
- Use 1-1/2" x 1-1/2" scrap wood blank.
- Mark the center on each end, drill 1/8" pilot holes 1/4" deep.
- Mount the blank on the lathe between drive and live centers.
- Turn 1" of the wood down into a spindle to fit snug into the hole in the base. Approximately 1-1/16" dia.
- Turn 1/2" of the wood round 1-1/2" dia.

**Turning the Base (see Diagram D)**

- Mount a drive center into the headstock.
- Insert the Jam Chuck into the smaller opening at the base. (See diagram C)
- Mount the base blank between the centers tightly.
- Turn the wood down to your profile design.
- Sand and finish the wood.

DIAGRAM D / TURNING THE BASE BLANK**Turning the Plunger Blank (see Diagram E)**

- Mount a drill chuck into the lathe.
- Mount the drill chuck mandrel #PKDCMPT into the chuck.
- Screw on the plunger blank over the mandrel tightly.
- Bring the tailstock center in to support the blank. (do not make a hole)
- Turn the wood down to match the outside diameter of the mandrel, 1.040" to 1-1/2" Long.
- Sand and finish the wood.
- Test that the plunger slides inside the base - resand if necessary.

DIAGRAM E / TURNING THE PLUNGER BLANK**Assembly (Diagram F)**

- Insert the support plate into the large hole at the bottom of the base. Mark the spacing on the plate into the wood.
- Drill 1mm pilot holes to guide the mounting screws.
- Thread the plunger over the mechanism rod.
- Slide the mechanism assembly, plunger end first through the bottom into the opening.
- Affix the support plate under, align the holes to match the mechanism base and fasten with the screws.
- Operation - to load salt and pepper corns remove plunger. To grind, push plunger down to release ground product.

DIAGRAM F / ASSEMBLY