

# Easy Elegance Peppermill Mechanism

## Kit Features:

- Beautifully crafted peppermill mechanism
- Clear, see-through chamber to see pepper corns
- Adjustable grind

## Required Accessories:

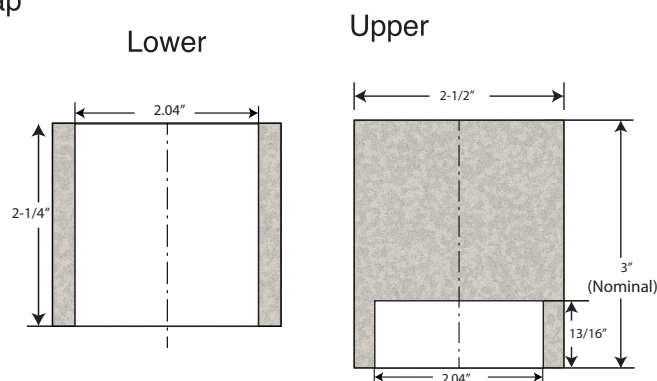
- 2.04" Forstner drill bit #FB204
- 2" Jam Chuck/Mandrel 2"w x 3" Long #CJAM2X
- 3 Jaw Drill Chuck
- Mandrel Saver
- 2 Part epoxy glue
- Wood Required: 2-1/2" Square (min size) x 5"-1/4" Long
- Suitable chuck (if drilling on the lathe)



## DIAGRAM A / PARTS LAYOUT



## DIAGRAM B / BORING THE BLANKS



## Preparing the wood for turning:

- Cut the blank into 2 sections
  - Lower Blank - 2-1/4" Long (min) - Drill Through
  - Upper Blank - 3" Long (min)

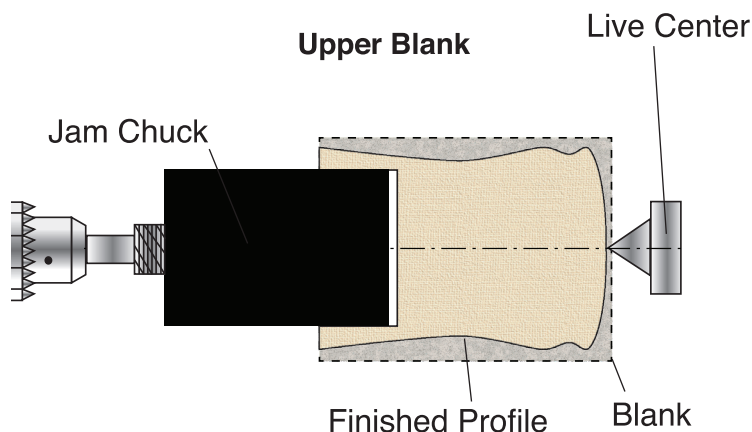
**NOTE:** Blank can be longer or shorter subject to your design.

- Mark the center of each blank with a small punch.
- Drill the hole (either on a lathe or a drill press) with a 2.04" bit
- Drill each blank according to Diagram B.

## DIAGRAM C / TURNING THE UPPER BLANK

### Turning the Upper Blank:

- Mount the 3 Jaw drill chuck into the headstock.
- Mount the Jam chuck in tightly.
- Insert the blank over the rubber jam and tighten to expand in hole.
- Bring the tailstock live center into the blank for support. Lock in place.
- Turn the wood down. Not too thin of a wall so not to crack the body.
- Sand and finish the wood.
- Slide the live center and turn the end to your design. (can be any length)
- Final sand & finish the end.



### Turning the Lower Blank:

- Mount the drill chuck into the headstock.
- Mount the Jam chuck in tightly.
- Insert the blank over the center of the rubber jam and tighten.
- Bring the tailstock mandrel saver into the protruding screw end at the jam chuck for support. Lock in place. (see Diagram D)
- Turn the wood down. Not too thin of a wall so not to crack the body.
- Sand and finish the wood.
- Untighten the blank and slide over to clear half of the space inside. (see Diagram E) Retighten.
- Use a scrapper or a parting tool to enlarge the hole as necessary for the lower mechanism to slide inside.
- Untighten the blank and turn around halfway over the rubber to enlarge the hole in the oppsite side if necessary.
- Test for the mechanism to slide in.

DIAGRAM D / TURNING THE LOWER BLANK

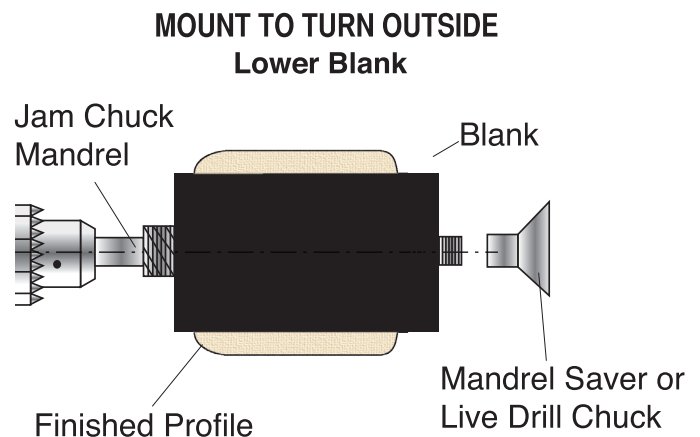
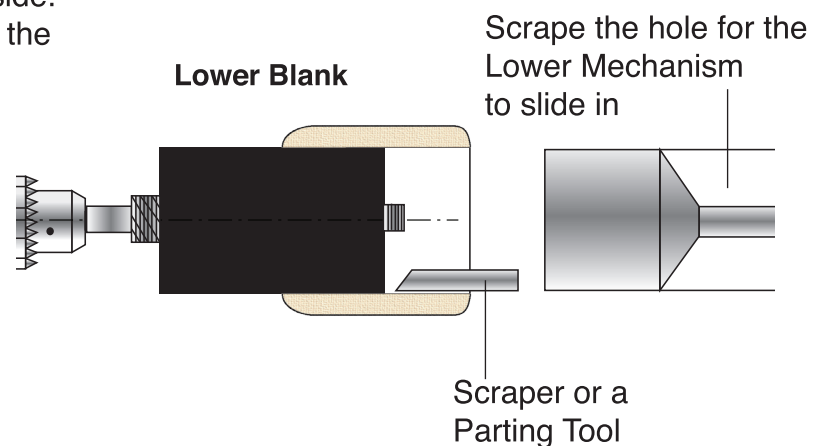


DIAGRAM E MOUNT TO ENLARGE HOLE



### Assembly:

Check before gluing that the metal and black plastic parts are all hidden under the wood blanks.

#### Upper Blank

Rough up the outside surface of the top mounting cap. Squeeze glue inside the hole of the blank. Slide the top mounting cap to bottom. Avoid glue from getting on the opening. Make sure wood aligns properly. Let dry.

#### Lower Blank

Mark 5/8" inside, from the bottom of the blank to locate the mechanism. Spread glue inside the hole. Avoid glue at the bottom 5/8". Slide the mechanism in and stop at the marked line. Make sure wood aligns properly. Let dry.

To fill the chamber with pepper corns, hold the bottom down on the table, tilt and remove the top and fill. To close make sure to line up the square rod inside with the top and push down to click. To adjust the grind, turn upside down and turn the grind knob clockwise for fine grind and counter clockwise for course grind. The Peppermill is ready to use.

