

Upside Down Salt / Peppermill Kits

Kit Features:

- Attractive table top project - "clean" upside down operation
- Easy to adjust knob for grind size
- Ceramic grinder mechanism, use for pepper and salt
- 2 sizes available: small 4-5/8" medium 7"
- Featured decorative metal stand & cover top
- Requires only drilling 3 hole sizes

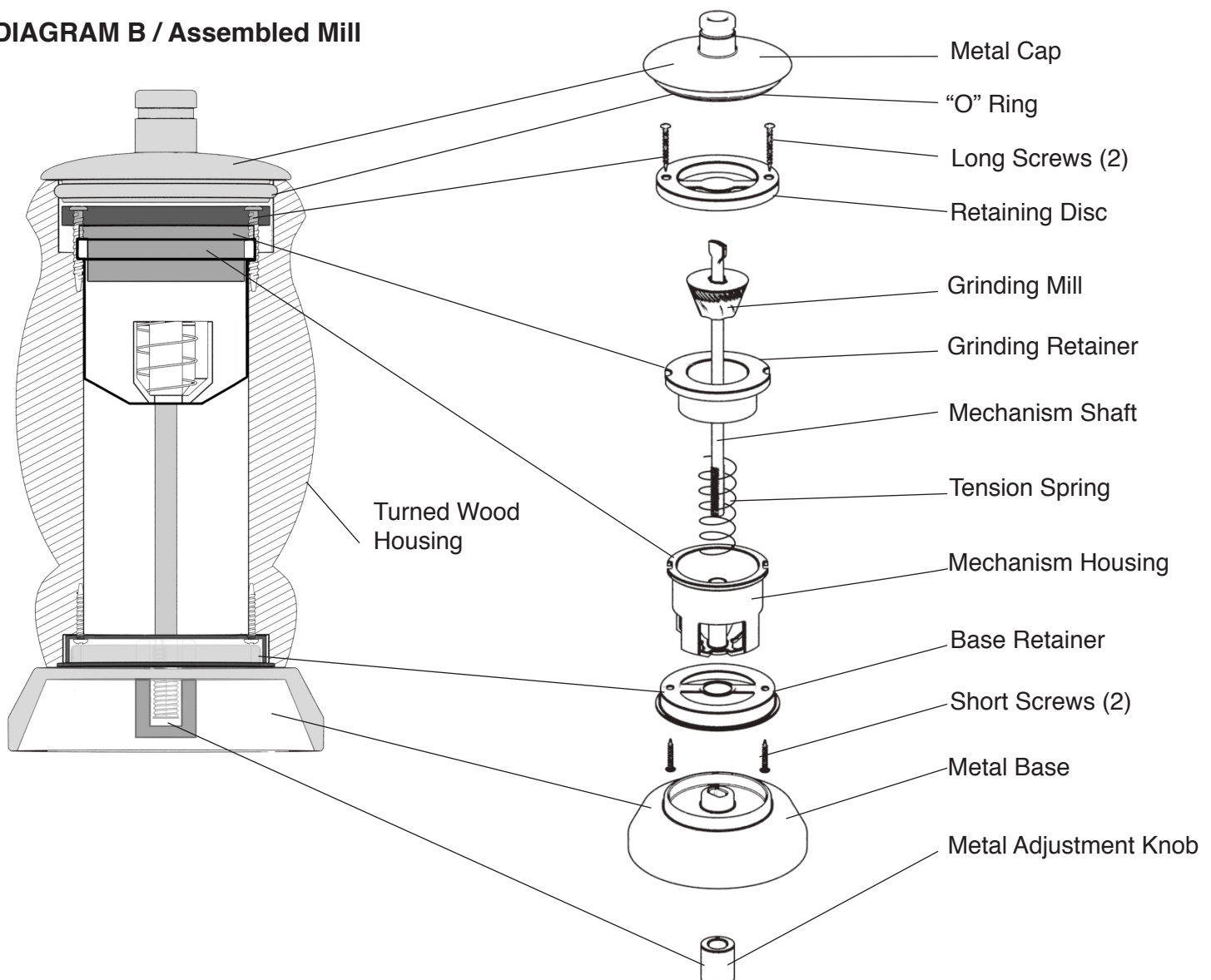
Required Accessories:

- 7mm Pen Mandrel or Mandrel Jam Chuck #PKMJAM (use two - 1" wheels of the set)
- Drill Bit(s): #FB36MM To drill bottom, #FB150 To drill top, #FB1-116 Drill Through (Drill in this order)
- Bushing set(2 pc): #PKGRIND7BU (if used)
- Mini Phillips screw driver used for Top & Bottom screws
- Wood required: small grinder - 2" square x 3-3/8", medium grinder - 2-1/2" to 3" x 6" Long



DIAGRAM A / PARTS LAYOUT

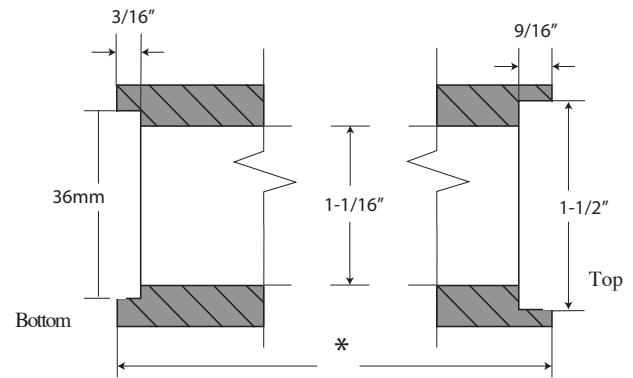
DIAGRAM B / Assembled Mill



Drilling the Blank (Both Sizes) Bore in order below

- Square the ends of the blank before starting
- Mark the center on each end of the blank
- Bore a 36mm hole x 3/16" *deep on bottom of the blank
- Bore a 1-1/2" hole x 9/16" deep on the opposite end
- Bore a 1-1/16" hole through the blank or drill half way from each end of the blank

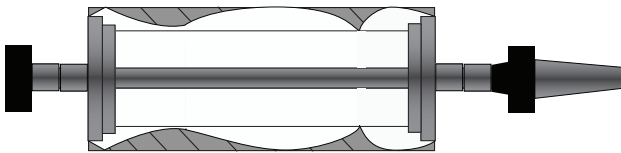
* Base retainer should slide fully up to the rim

DIAGRAM C / DRILLING THE BLANK

* Finished blank:
Small Mill: 3-3/8" Long
Medium Mill: " 6" Long

DIAGRAM D / TURNING ON A PEN MANDREL

NOTE: The bushing are for support only.
DO NOT turn to the bushings

**Turning the blank**

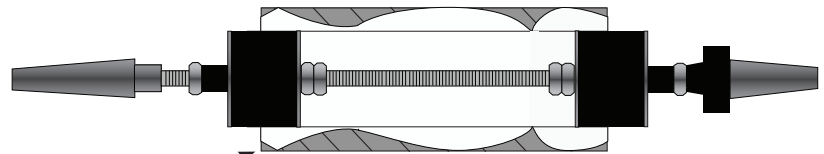
- Use either method for turning the blank on a mandrel
- Mount the blank and bushing, same as in Dia. D
- Mount the blank, same as in Dia. E. Follow product instructions
- General: Turn the wood to match mill components

Assembly (Refer to Dia. A & B)

- Layout grinder components according to Dia. A
- Insert the base retainer into the 3/16" x 36mm recess. Use the 2 shorter screws, screw the retainer into the recess in the wood.
- Insert the grinder mechanism assembly (see Dia. B) shaft in first through the opening at the opposite side, till the thread extends through the retainer. Affix the metal base over the threads and screw on the adjusting knob. Tighten.
- Turn the grinder over. Mount the retaining disc over the center in the recess, drill 1.5mm pilot holes to accommodate the 2 mounting screws. Screw to secure the retaining disc, grinder, grinding retainer and mechanism housing.
- Cover the opening at the grinder end, using the cap.
- The "O" ring on the cap should secure the cap in the opening of the wood with slight pressure. If too tight sand the housing to fit.
- To use - remove cap then turn upside down and rotate base to grind.
- To fill - remove adjustment knob & base
- When filled with pepper or salt, to adjust the grind just loosen or tighten the adjustment knob.

DIAGRAM E / TURNING ON A MANDREL JAM CHUCK

Please refer to instructions for #PKMJAM

**Diagram F / Bushings #PKGRIND7BU**