

Charnwood

Woodworking machinery at its best!

Instructions for Salt & Pepper Mill Kits

Kit Features

- Ceramic Components
- Adjustable Grind
- Available in 3 Sizes 6", 9" or 12"

Accessories Required

- 1.1/2" Forstner Bit (FB038)
- 1.1/16" Forstner Bit (FB027)
- Forstner Bit Extension
- Drill Chuck (DC13MT1 or DC16MT2)
- 7mm Drill Bit (PBD07)
- Assorted grit sheets (PN70MIX) and (PENSP)

Required Blanks

For 6" Kit (SP06)

- Base Blank of minimum size 64mm square x 112mm (2.1/2" x 4.3/8")
- Head Blank of minimum size 64mm square x 53mm (2.1/2" x 1.1/16")

For 9" Kit (SP09)

- Base Blank of minimum size 64mm square x 191mm (2.1/2" x 7.1/2")
- Head Blank of minimum size 64mm square x 53mm (2.1/2" x 1.1/16")

For 12" Kit (SP12)

- Base Blank of minimum size 64mm square x 267mm (2.1/2" x 10.1/2")
- Head Blank of minimum size 64mm square x 53mm (2.1/2" x 1.1/16")



Diagram A - Parts

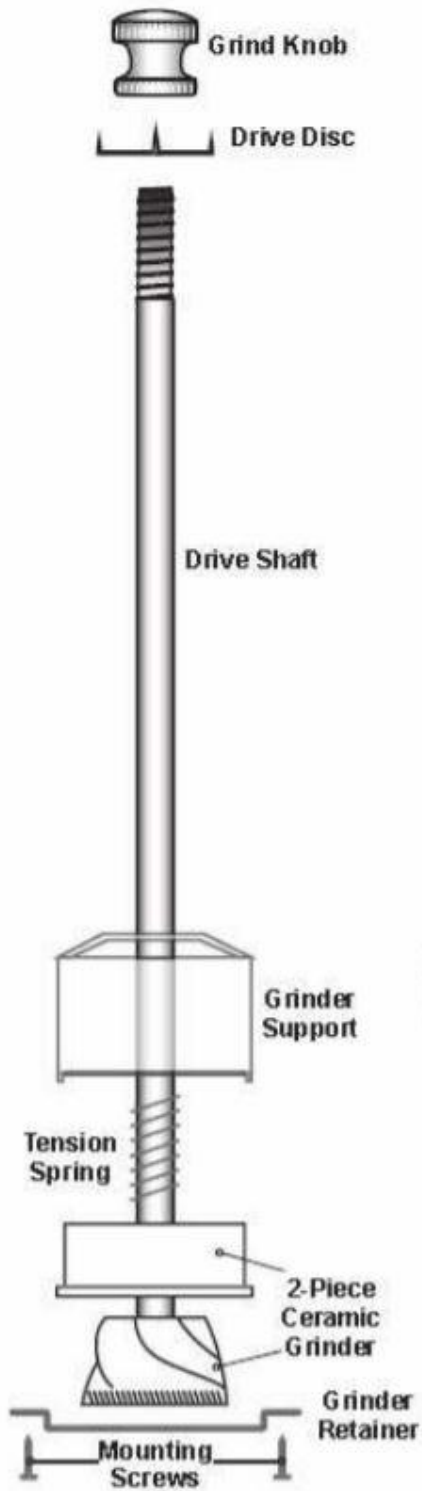
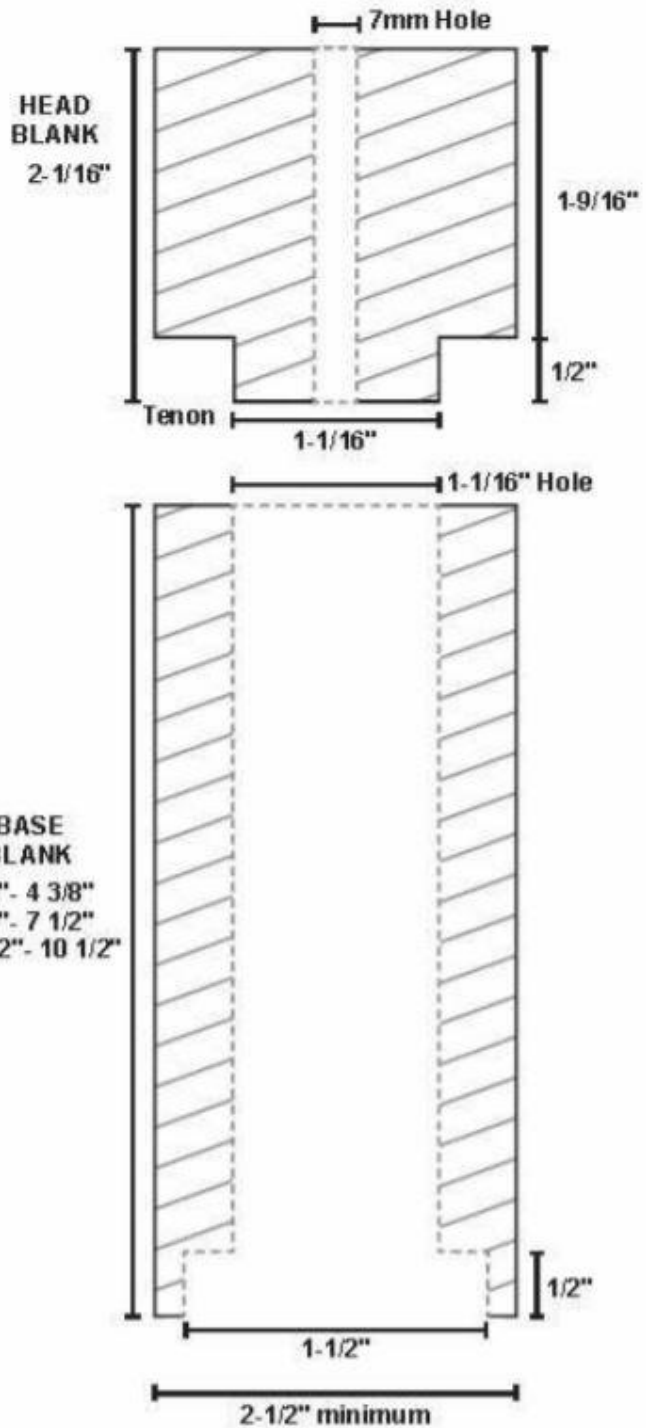


Diagram B
Blank Dimensions



Preparing the Mill Head Blank

Step 1 – Mark the centre of your mill head blank on both ends.

Step 2 – Place the mill head blank into the lathe chuck and turn a 27mm (1.1/6”) diameter by 12mm (1/2”) long tenon on one end of the blank.

Step 3 – Remove from the lathe chuck and drill a 7mm diameter hole through the centre of the mill head blank.

Preparing the Mill Base Blank

Step 1 – Mark the centre of your mill base blank on both ends. Drill a 38mm (1.1/2”) diameter hole by 12mm (1/2”) deep. This will be the bottom of the mill.

Step 2 – With a 27mm (1.1/16”) Forstner Bit drill a hole using the previous hole as your centre guide. It is recommended that you drill from both end of the blank for better results and less wear and tear.

Turning the Mill

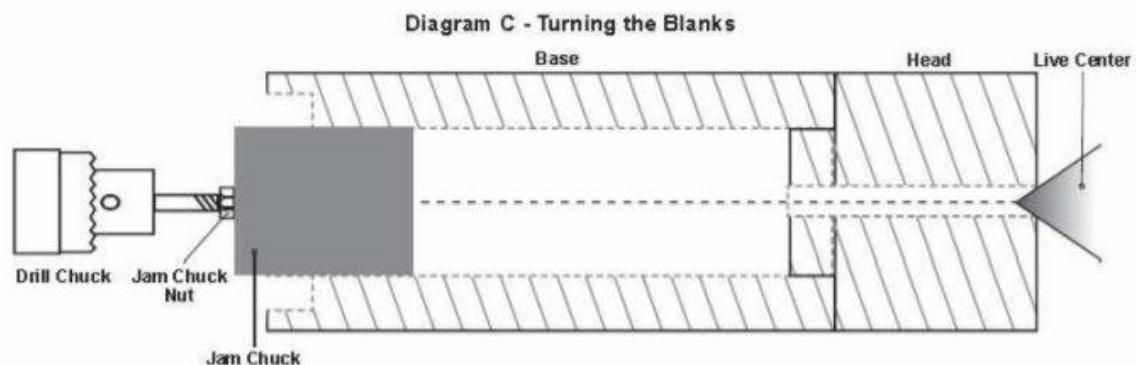
Place the tenon of the mill head blank into the 1-1/16” hole of the mill base blank.

Set up as shown in Diagram C turning both ends at once. Insert the tenon into the opening at the upper end of the base blank. Mount the 3 jaw drill chuck into the head stock of the lathe. Insert the jam chuck and lock into the jaws. Mount the wood assembly, recessed end in first over the jam chuck. Bring the tail stock forward with the centre into the hole. Lock in place. Use a wrench to tighten the nut to expand the jam chuck in the hole. Tighten to make sure that it is safe to turn.

Caution:

Please note that the tenon of the head blank must fit the base blank hole without any play. A loose fit may cause the final mill to be off centre or vibrate when turning produce an undesirable result or possible injury.

Turn the wooden blanks to your desired shape or profile of choice. Sand and finish the wood. Be sure to use a food safe finish or polish.



Assembly

(Line up finished parts according to Diagram D)

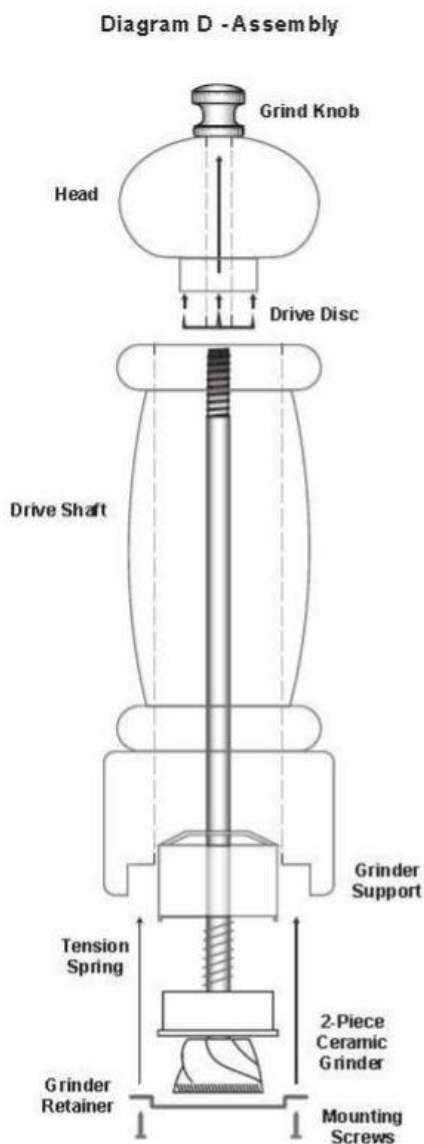
Step 1 - Mount the drive disc on the head.

Step 2 - Insert the grinder support in the bottom of the base.

Step 3 - Place the drive shaft with the grinder housing and grinder up through the base.

Step 4 - Secure the grinder retainer and 2 mounting screws.

Step 5 - Loosen the grinder knob for a courser grind.



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