

Chef's Salt/Pepper Mill



Needed:

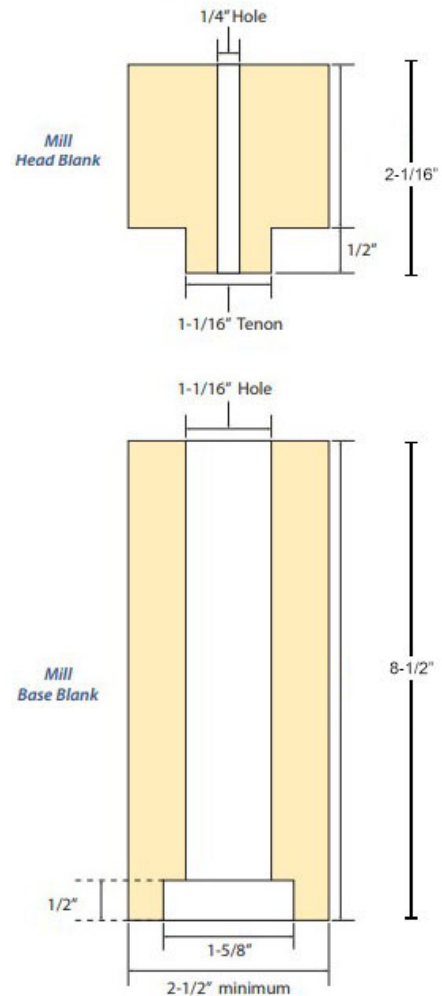
- 1 $\frac{5}{8}$ " forstner bit
- 1 $\frac{1}{16}$ " forstner bit
- 9" forstner bit extension
- 60 degree live center
- $\frac{1}{4}$ " drill bit

Prepare the Mill Head blank:

1. Cut the mill head blank $2\frac{1}{16}$ " long and minimum $2\frac{1}{2}$ " square.
2. Mark the center of the mill head blanks on both ends.
3. Mount the mill head blank into the lathe chuck and turn a $1\frac{1}{16}$ " x $\frac{1}{2}$ " long tenon on one end of the blank.
4. Remove the blank from the lathe chuck and drill a $\frac{1}{4}$ " diameter hole through the center of the mill head blank.

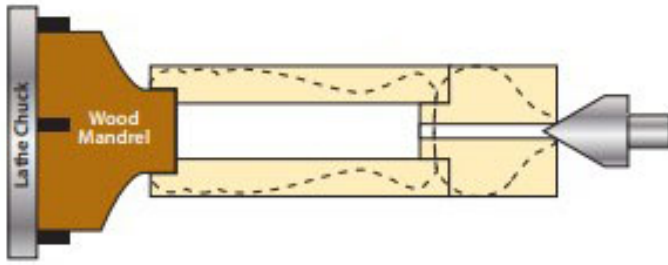
william wood-write

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Prepare the Mill Base blank:

1. Cut the base mill blank $8\frac{1}{2}$ " long and minimum $2\frac{1}{2}$ " square.
2. Mark the center of the mill base on both ends.
3. Drill a $1\frac{5}{8}$ " hole $\frac{1}{2}$ " deep on one end. This is the bottom of the mill.
4. Drill a $1\frac{1}{16}$ " hole through the length of the blank using the previous hole as your center.



Make a wooden jam chuck by mounting a piece of wood in the lathe chuck and turn a slightly tapered tenon to fit inside and hold the 1 5/8" hole on the bottom of the base blank.

Turning the blanks:

1. Push the tenon of the mill head into the 1 1/16" hole of the mill base. The tenon must fit into the hole without any play. A loose fit can cause the mill to be off center or vibrate while turning.
2. Mount the blank between the jam chuck and live center. Tighten between centers and make sure it is secured to turn safely.
3. Turn the blanks to desired shape. Sand and finish using a food safe finish.

Mill Assembly:

1. **Be sure to pre-drill for screws to prevent wood from splitting.**
2. Mount the drive disc onto the head tenon with the 2 short screws provided.
3. Insert the plastic grinder support into the bottom.
4. Slide the grinder housing onto the grinder support.
5. Slide the spring down the drive support to rest on top of the grinder.

6. Insert the driver shaft with grinder housing through the turned mill base.
7. Line up the drive support (rod) into the slot of the grinder.
8. Line up the slots in the grinder housing and grinder support.
9. Be sure to centre the retainer over the hole. Mark the screw locations and pre-drill the holes straight.
10. Secure the grinder retainer with the 2 long screws provided.
11. Screw the grind knob onto the shaft at the top.
12. Adjust the tightness of the grind knob for coarse or fine grind.

