

# Turning a Pepper or Salt Mill

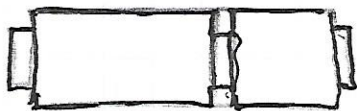
(Using a Chef Specialties Kit)



Sketch the profile for your project using graph paper.



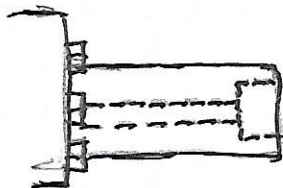
Choose a blank that is at least 1 1/4" longer than the kit length and large enough to accommodate the mechanism (ie: 7 1/2" x 2 1/4" for a 6" kit).



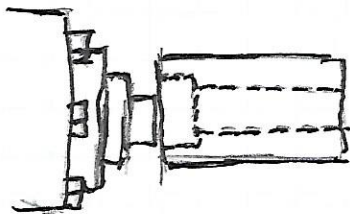
Using a spindle roughing gouge, turn the blank to a cylinder and transfer reference marks from the sketch to the blank. & cut a tenon on each end.



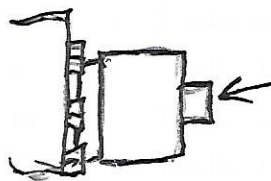
Cut the blank into two pieces (top and body) according to the kit instructions (or the dimensions of your own design).



Chuck the large (body) piece and using a 1 5/8" Forstner bit, drill a hole 1/2" deep. Change to a 1 1/16" bit and drill a hole deep as possible in the body piece.



Using a jam chuck or step mandrel, reverse the body piece and finish drilling the 1 1/16" hole. (On taller mills, you may have to use an extension for the Forstner bit.) Turn off the tenon.

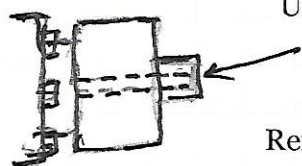


Remove the body piece (with the Jam chuck still attached) from the chuck.

Using the tenon, chuck the top blank and cut a 1/2" tenon to fit the 1 1/16" hole in the body blank.

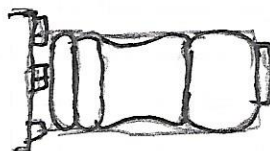


Mark the height of the top with a parting tool or skew and rough turn the top to shape, maintaining a short tenon on the top of the top blank..



Using a Jacobs chuck, drill a 1/4" hole through the top blank.

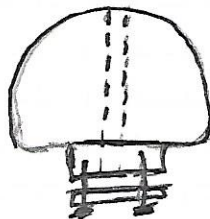
Remove top from the chuck.



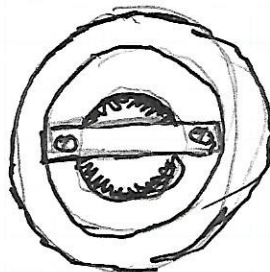
Remount jam chuck with body piece and insert top into the body piece. Turn between centers to the final shape.

Sand and finish as desired.

Remove the assembly from the chuck and finish sanding the top.



On the top blank, using 3/32" drill bit, pre-drill holes for the mounting screws and assemble the drive plate centered on the 1 1/16" tenon.



On the bottom of the body blank, pre-drill holes for the mechanism retainer and assemble the mechanism parts according to the kit instructions.

Time for a test run!

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