



Making a Standard Mill

The Mill Kit will determine the length of the Blank.

There are 3 dimentions that are critical.

- 1.) Chamber ID- 1 1/16"
- 2.) The Bell inset should be 3/8" + deep x 1 5/8" ID.
- 3.) The finished length of the mill is determined by the depth of the Bell.

10" Mill Kit = 10 5/8"+ Blank

Set Blank between centers and Turn tenon at 1/4"x chuck size. The tenon should be at the top of the Mill Blank.

Remove from centers and insert into Chuck.

Turn Blank until it's almost round.

Square off Bell end of the Mill.

Mark Chamber and Top Lengths. Make a Groove 3/8" wide x Tenon size between Top & Chamber
Remove from Lathe and Cut using the Groove as the cut line.

Cut at the top leaving a Tenon on the Chamber.

Install the Chamber on the Lathe

Set up a Drill Chuck with a 1 5/8"+ Forstner Bit and Drill a minimum of 3/8" deep. I personally drill to 5/8" deep.

Remove the 1 5/8" bit and Chuck up a 1 1/16" bit for the mechanisms I use.

Drill the Chamber from one end if possible.

If not turn another Tenon on the Bell end and turn the chamber body around and finish drilling.

After your finished drilling, remove Chamber from the Lathe and insert the Top.

Drill a 1/38" hole 1/4" hole with a Forstner Bit.

Next drill a 1/4" hole thru the Top. Remove from Lathe and set aside and re-install Chamber body at the Bell end onto previously made Jam Chuck. Bring up Tailstock and turn 1 3/8" Tenon. Check fit with previously drilled Top. When correct, turn body to shape. Install top on 1 3/8" Tenon and turn Top to desired shape. Sand and finish to Preference.