

## **Peppermill Demo**

Introduction: Warren Welch/southernclay

Turning since Sept 2013 but about a year since shop at home.

5th peppermill so no authority

I turn with Jet 1014 w/ext, you can make these with small lathes.

Using CSUSA Artisan Signature line, many other options available.

This is my way I do it (not original), many ways to do it. Most of this technique came from YouTube Shawn Gano video and info in description. Way simpler technique to me, less tenons and switching around.

Things you'll need: (Beyond lathe, centers, tools, sandpaper/finishes.

Scroll chuck-I use Barracuda 2 with #2 jaws

Drills: 9/32", 1-5/8" and 1-1/16" forstners

Drill extension

Blank (watch for problems and positives to highlight)

Safety:

Face Shield

Dust Collection

Drill Slow (I drill at 500 rpm). Tighten chuck on occasion if needed.

Stand out of line of fire

1. Select Blank: 2-3/4"-3"x whatever length needed. Approx 1-2" longer than shaft.
2. Round blank and make tenon for chuck jaws. Tenon needs to be specific to your jaws. Important to be well made to hold blank and be safe. Some chucks are rigid, some dovetail. Know your equipment.
3. Critical points with story stick if needed or...

Layout points, room at head and tailstock for parting, room for spigot, total length and ratios for head and body.

4. Start turning! Have fun, whatever shape you want. If you like it make a story stick for repeatable results. (i.e. matching salt mill). Watch wall thickness.

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5. For the spigot, sizing is important, needs to fit snugly in the 1-1/16" hole (1.0625") Not too tight but too loose makes operation sloppy.

6. Once happy with total shape cut tenon at mill head near tailstock to prep for parting but don't part yet.

7. Sand and finish entire mill.

8. Part off tenon on top of mill head.

9. Drill mill head with 9/32" and part off the head.

10. Drill the top of the body with 1-1/16" Forstner and clean off and finish top. Check fit of mill head at this time if you want to verify fit.

11. Part off mill.

12. Mount mill body to pin jaws (interior mount).

13. Drill 1-5/8" forstner 1/2" deep. Clean up bottom of mill.

14. Finish the through hole with the 1-1/16" forstner and apply finish to bottom.

15. Take off of chuck and assemble.

\*\*\*If shaft too long cut it off and hammer end. If too short remount the top of mill body to chuck and drill 1-5/8" as deep as needed.

I can email list of resources and instructions if anyone interested.

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