

One Hand Peppermill Kit

GRIND-ONE-HAND

william wood-write

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Recommended Supplies:

7mm Mandrel

10mm Drill & 9/16" Drill

Bushing GRIND-ONE-HAND-BU

Min. blank size for barrel: 1-1/8" to 1-1/4" square x 3-1/4" long

Min. blank size for plunger: 5/8" square x 1" long

Preparing the Blanks:

Barrel Blank:

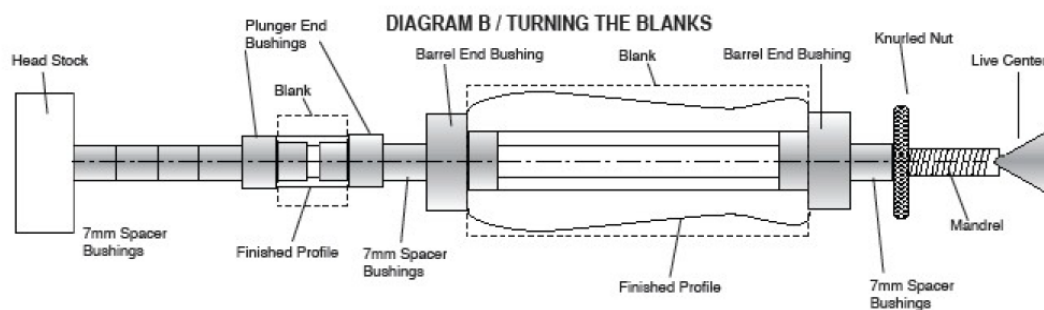
1. Cut the barrel blank about 1/4" longer than the chrome tube.
2. Drill the blank through the centre, lengthwise, with 9/16" drill bit.
3. Scuff up the chrome tube with sandpaper to give the glue a better surface to adhere to.
4. Plug the ends of the tube with a material of your choice - we recommend baseplate wax - to keep glue from getting into the tube. Push each end into a thin section of the material to form a plug. This is an important step. Glue inside tubes is a common cause of kit failure.
5. Roll the tube in glue (thick CA glue, or a 2-part epoxy) and insert it into the blank with a twisting motion to spread the glue inside. The tube should be centred between the ends of the blank.
6. When the glue has cured, remove the plugs from the ends and square the ends up with a disc sander.

Plunger Blank:

1. Cut the plunger blank about 1/4" longer than the brass tube.
2. Drill the blank through the centre, lengthwise, with 10mm drill bit.
3. Follow the same steps as the barrel blank (steps 3 to 6) for preparing, gluing, and squaring the blank.

Turning the Blanks:

1. Assemble the blanks on the mandrel using bushing set GRIND-ONE-HAND-BU, according to diagram B. The small bushings are for the plunger blank (they're both the same size), and the larger bushings are for the barrel blank (they're both the same size).
2. Bring up the tailstock, lock it down, and tighten it against the mandrel. Be careful not to overtighten, as this can damage the mandrel or cause it to bend.
3. Turn the barrel blank to your desired shape, using the bushings as a sizing guide. **The plunger blank must be turned straight.**
4. Sand the surface of the blank in progressive steps and apply a finish of your choice.



Assembling the Kit:

1. Lay out the parts according to the parts diagram below.
2. Press the plunger cap into either end of the plunger.
3. Press the bottom end into the other end of the plunger.
4. Press the grinding guide into one end of the grinder barrel.
5. Press the grinder coupler into the other end of the grinder barrel.
6. Drop the spring into the opening in the grinding guide.
7. Insert the grinding rod, threaded end first, up through the grinder coupler, through the barrel, and out through the grinding guide and spring.
8. Thread the bottom of the plunger onto the rod until it's tight.
9. Fill the peppercorn chamber assembly with peppercorns. You can hold your finger at the bottom of the chamber assembly to prevent peppercorns from falling out.
10. Insert the rod through the corns and screw the grinder coupler into the chamber assembly.
11. The grinder is used by pressing the plunger down to grind the peppercorns.

