Capstone Magnifying Glass

william wood-write
penblanks.ca

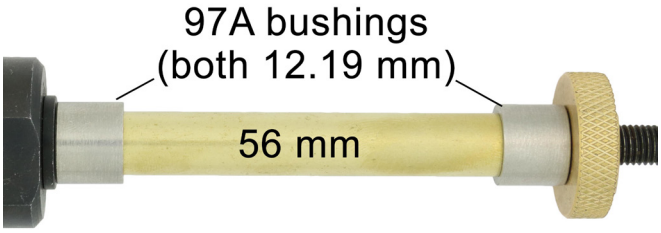
Needed:

Mandrel A, drill W, bushing 97A

Preparing the blank

1. Cut the blank ¼" longer than the brass tube so you can square it off once the tube has been glued in.
2. Drill through the center lengthwise with a W drill.
3. Scuff up the tube with sandpaper to clean off the oxidation and give the glue a better adhesion surface.
4. Plug the tube ends with a material of your choice – we recommend baseplate wax – to keep the glue from getting into the tube. Just push the ends of the tubes into a thin section of the material to form a plug. *This is important: glue inside the tubes is a common cause of kit failure.*
5. Roll the tube in the glue and insert it into the blank with a twisting motion until it is equidistant between both ends of the blank.
6. Set aside until the glue has had time to reach its maximum strength.
7. When the glue has cured, use a hobby knife to remove the plugs from the ends.
8. Using a barrel trimmer of the proper size or the proper jigs and a disk sander, square off the ends of the blank until you can see bright brass tube. STOP at this point.

Turning the blank



1. Assemble the blank and bushings on the mandrel. The bushings are the same size.
2. Turn the blank to the desired contour, using the bushings as a sizing guide.
3. Sand the surface in progressive steps until you get to 400 or 600 grit. Apply finish of your choice and polish. For a high polish finish, continue sanding with micro mesh to 12,000 grit.
4. Remove the blank from the mandrel.

Assembling the kit

1. Press the finial into one end of the turned blank.
2. Press the threaded coupler into the other end of the blank.
3. Place the plated bracket over the threaded stud on the magnifying glass.
4. Screw the handle onto the magnifier.