

T-handle bottle stopper, bullet style



Needed:

Drill 7 mm, Bushings 92A, Mandrel A

Preparing the blanks

1. Cut two blanks a $\frac{1}{4}$ " longer than the length of the brass tubes to allow for squaring off.
2. Drill lengthwise through each blank using a 7 mm drill bit.
3. Scuff the brass tubes with sand paper to clean off oxidation and give the glue a better adhesion surface.
4. Plug the ends of the tube with a material of your choice – we recommend base plate wax – to keep the glue from getting into the tube. Push the tube ends into a thin section of the material to form a plug.
5. Roll one of the tubes in glue and insert it into the blank with a twisting motion until it is equidistant between both ends of the blank. Repeat with

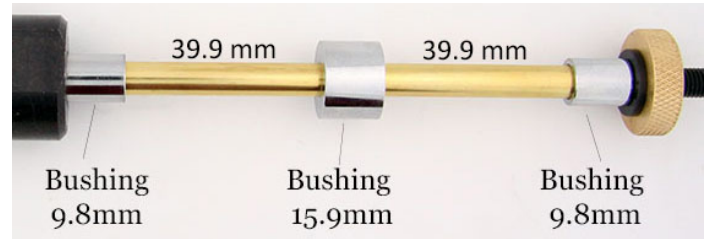
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the other tube.

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. Square the ends of the blanks using either a barrel trimmer or the proper size or disc sander. This step is critical for the components to fit together properly. DO NOT trim the brass tubes as this may result in an improper fit when the handle is assembled.

Turning the blanks



1. Place the blanks and bushings on the mandrel following the diagram above.
2. Bring the tail stock snug with the mandrel and lock down.
3. Tighten the mandrel.
4. Turn the blanks to the desired shape,

using the bushings as a guide.

5. Sand using a range of grits and apply a finish of your choice. For a smooth finish, sand with Micro Mesh to 12,000 grit.
6. Remove the blanks from the mandrel.

Assembling the stopper handles

1. Using the image below as a guide, slide the handle rods through the blanks and thread them into the bottle stopper. Do not glue the tubes to the handle rods so that you can remove blanks from the stopper when washing.

