

Toothpick Holder key ring



Needed:

Mandrel A, drill 11 mm, bushing 13A

Preparing the blank

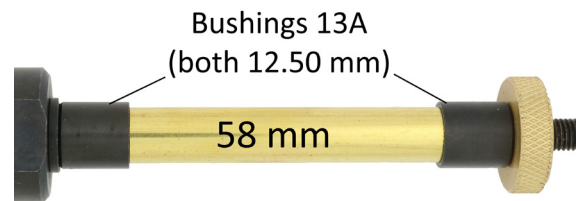
1. Cut the blank $\frac{1}{4}$ " longer than the brass tube so you can square it off once the tube has been glued in.
2. Drill the blank through the center, lengthwise, with a 11 mm drill bit.
3. Scuff up the tube with sandpaper to clean off the oxidation and give the glue a better adhesion surface.
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.

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7. When the glue has cured, use a hobby knife to remove the plugs from the ends.
8. Square off the ends of the blank until you can see bright brass tube. STOP at this point. This can be done with the proper jig and disk sander.

Turning the blank



1. Assemble the blank and bushings on the mandrel.
2. Tighten the tailstock before tightening the blank on the mandrel. This will centre the mandrel first. Then lightly tighten the nut that holds the blanks. Do not over-tighten the brass thumbnut or apply excessive force as this can bend your mandrel and cause your toothpick holder to come out oval. You may use a spacer to give you more room between the thumbnut and the last bushing.
3. Turn the blank to the desired contour, using the bushings as a

sizing guide.

4. Sand the surface in progressive steps until you get to 400 or 600 grit.
5. For a high polish finish, continue sanding with micro mesh to 12,000 grit.
6. Apply finish of your choice and polish. Remove blank from the mandrel.

Assembling the kit

1. Press in finial.
2. Press in threaded insert.
3. Screw on cap.
4. Slide ring on.

