

## Mini Magnifying Glass Necklace



### Needed:

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Mandrel A, drill 7 mm, bushing 1A

### Preparing the blank

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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 7 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.

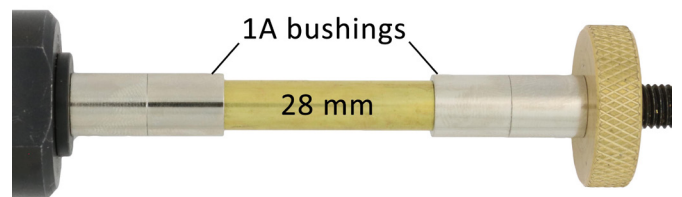
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6. Set aside until the glue has had time to reach its maximum strength.
7. When the glue has cured, use a hobby knife to remove the plugs from the ends.
8. Using a barrel trimmer of the proper size or the proper jigs and a disk sander, square off the ends of the blank until you can see bright brass tube.

### Turning the blank

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1. Put the blank on the mandrel together with the bushings.
2. Tighten the tailstock before tightening the blanks on the mandrel. This will centre the mandrel first. Then tighten the nut that holds the blanks. Do not over-tighten or you may damage your mandrel.
3. Turn the blank to the desired contour, making sure that the area next to the bushing is turned to the size of the adjacent bushing.

4. After turning the blank, sand the surface in progressive steps until you get to 400 or 600 grit.
5. For a high gloss finish, continue sanding with Micro Mesh through 12,000 grit. Apply the finish of your choice and polish. Remove the blanks from the mandrel.

### **Assembling the kit**

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1. Push finial into one end of the blank.
2. Push the hilt of glass holder into other end.
3. Put magnifying glass into groove of glass holder.
4. Screw glass holder into threaded end of hilt.
5. Thread chain through hole.

