

# Algonquin pen



## Needed:

Mandrel A, drills 10.5 mm and 12.5 mm, bushing 103A

## Preparing the blanks

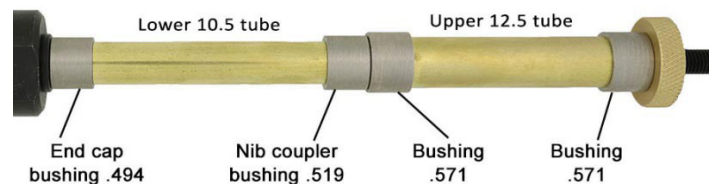
1. Cut the blanks the length of each brass tube, giving a little extra length for the facing of the blanks after the tubes have been glued in.
2. Drill the blank that will use the shorter, thicker tube lengthwise with the 12.5 mm drill bit.
3. Drill the blank that will use the longer, thinner tube lengthwise with the 10.5 mm drill bit.
4. Scuff the brass tubes with sandpaper to clean off the oxidation and give the glue a better adhesion surface.
5. 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.

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6. Roll one of the tubes in glue and insert it into the blank with a twisting motion until the tube is equidistant between both ends of the blank. Repeat with the other tube.
7. Set aside until the glue has had time to reach its maximum strength.
8. When the glue has cured, use a hobby knife to remove the plugs from the ends.
9. Using barrel trimmers of the proper size or the proper jigs and a disk sander, square off the ends of the blanks until you can see bright brass tube. Not having the proper tube length is another common cause of pen failure.

## Turning the blanks



1. Assemble the blanks on the mandrel referring to the diagram above.
2. Turn the pen blanks to the desired shape using the bushings as a sizing

guide.

3. After turning the blanks, sand the surface in progressive steps until you get to 400 or 600 grit.
4. If a higher gloss finish is desired, continue sanding with Micro Mesh through to 12,000 grit. Then apply a finish of your choice and polish.
5. Remove the blanks from the mandrel.

## Assembling the pen

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1. Press the finial with trim ring into the small end of the long tube.
2. Press the nib with trim ring into the large end of the long tube.
3. Unscrew the nib and insert the ink refill (with the cap removed) into the long tube.
4. Press the centre band/coupler assembly into one end of the short tube.
5. Press the cap and clip into the other end of the short tube.

