



GEOFF PEN INSTRUCTIONS

This is a LARGE pen and will require wood blanks at LEAST 1" Square (the finished diameter is approx. 15/16" round). The two blanks will measure approx. 2-5/8" and 2-1/4" in length (the tubes are just slightly shorter, and this will allow you to mill down the end to cleanly match the tube with a flat surface).

Drill out the blanks with a 27/64" drill bit. Sand the tubes slightly to rough up the outer surfaces for a better adhesion, and glue into the matching blanks. After the glue has dried, mill the blank ends flush to the end of the tubes.

To turn: the longer blank is for the upper part of the pen – mount it in the 2 larger bushings. The shorter blank is for the bottom half – the larger bushing is for the top, the smaller for the bottom (you can design your own favorite taper from the large middle of the pen down to the tip). Turn down to the bushing size and finish.

Please reference the pictures below for assembly. For the bottom half (the shorter tapered blank), press the pen TIP in first. For the top part of the bottom half of the pen, thread out the pen motor (the part that moves the cartridge in and out) from the larger fitting (ie the assembly on the right of the top picture threads into 2 pieces). Press the gold piece into the top of the turned blank. Now, assemble the spring onto the cartridge, place the cartridge into the motor, and putting the entire assembly up into the blank thread the motor back in place. The bottom half of the pen is completed, encompassing all the parts in the top picture below in THAT order.

For the top half, simply press the pen cap onto the top of your longer blank (the smaller tube attached to the pen cap will fit inside the tube in the turned blank). Now put the two pieces of your pen together – the top half will fit firmly over the motor – enough to hold the pen together and to operate the motor, but will also pull off to enable you to change the cartridge.

