

Turning a Desk Pen

Supplies Needed

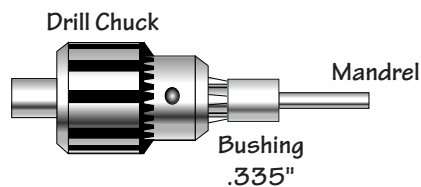
- 7mm Drill Bit
- 3/4" x 3/4" x Desired length Blank
- Desk Pen Mandrel
- Desk Pen Bushings
- Drill Chuck
- Revolving Center
- Sandpaper/Finish
- Glue (Thick CA or Epoxy)
- Eye and Ear Protection

Cutting and Drilling the Pen Blank

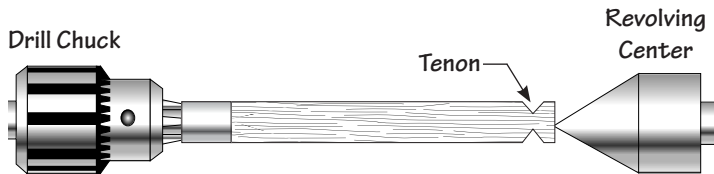
1. Select and cut a blank of hardwood to 3/4" x 3/4" and 1" longer than the desired finished pen length.
2. Drill a 7mm hole 2 1/4" deep into the writing end of the blank.
3. Press the plug pen part into one end of the brass tube until it sets flush with the end of the brass tube.
4. Glue the brass tube, plugged end first, into the wood blank.

Mounting and Turning the Blank

1. Mount a drill chuck into the headstock of your lathe. Tighten the mandrel inside the drill chuck, then slide the bushing onto the mandrel.



2. Slide the prepared blank onto the mandrel and up against the bushing. Slide the tailstock and revolving center up against the end of the blank.
3. Turn the pen between centers to the desired shape leaving a small tenon between the top of the pen and the revolving center.



4. Sand the blanks using progressively finer grits of sand paper, then apply the finish.
5. Remove the pen from the lathe and cut off the tenon. Sand and finish the area where the tenon was cut.

Assemble the Parts

Layout the parts as shown. Use a vise or clamp with wood or plastic jaws to prevent damaging parts during assembly.

1. Screw the threaded bushing onto the writing tip.
2. Gently press the tip assembly into the brass tube.
3. Unscrew the writing tip from the threaded bushing and drop the spring into the tube.
4. Slide the refill into the tube and screw the writing tip back into the threaded bushing to complete the pen.

Desk pen Refill

The desk pen uses a Plastic Dr. Grip refill by Pilot #77227 that has been cut down in order to fit the desk pen body.

1. Cut the refill with a scissors to 2 11/16" long. Clean the excess ink off the scissors and end of the refill.
2. With the end of a paper clip or the tip tooth pick clean out the cut end of the refill about 1/4" deep. This will keep the ink from leaking out of the cut end.

