

# Jewel Pen Kits Assembly Instructions



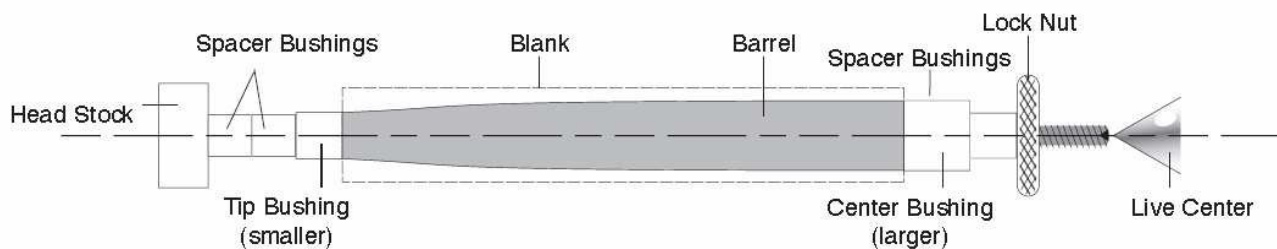
## Supplies Needed

- 7mm Pen Mandrel
- 7mm Drill Bit
- Set of Bushings
- 7mm Barrel Trimmer
- Glue (Thick CA or Epoxy)
- Sandpaper/Finish
- Drill or Drill Press
- Pen Press or Clamp
- Eye and Ear Protection

## Preparing the Blank:

- Cut a 5/8" blank to the size of the brass tube and add 1/16" for squaring off.
- Drill a 7mm hole lengthwise through the blank.
- Spread glue over the tube, insert the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When glue dries, use a 7mm barrel trimmer to square the ends of the blank. Take the wood down to the brass tube.

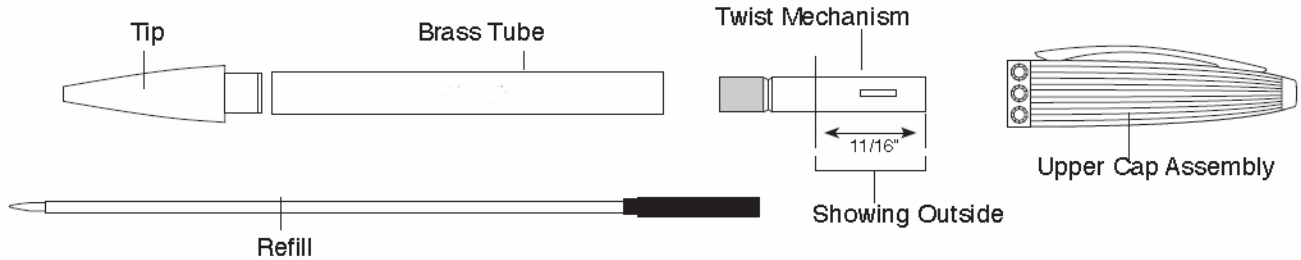
DIAGRAM B / TURNING THE BLANKS



## Turning the Blank

- Mount the bushings and blanks according to diagram B. Use the smaller bushing for the tip end and the larger for the center.
- Turn the blank between the bushings into a desired profile.
- Finish the barrel with your preferred choice of finish.

**DIAGRAM A / PARTS LAYOUT**



## Assembly

- Press the tip end into the narrow end of the barrel.
- Press the twist mechanism (brass end first) into the opposite end of the barrel. Continue to press pass the ID line until only  $11/16''$  of chrome is exposed. Insert the refill and test for extension.
- Press the cap over the mechanism. The pen is now ready to use by turning the two ends to extract or retract the refill.