

Sahara Pen Kits Assembly Instructions



Required Accessories:

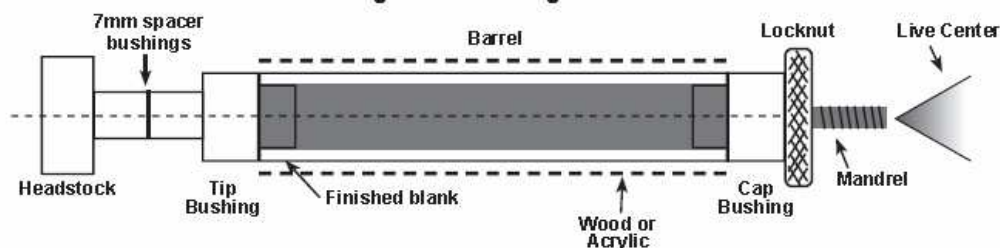
- 7mm, long mandrel
- 27/64" drill bit
- barrel trimmer 27/64
- Sahara bushing set #419 or Large Sahara Bushing #
- 2 part epoxy glue or insta-cure (cyanoacrylate)
- Sanding and finishing supplies



Preparing the Blank

- Prepare a master blank of at least 5/8" square. Cut to the length of the brass tube (add 1/16" for trimming).
- Drill a 27/64" center hole through the blank.
- Glue the tube in the blank. Spread the glue over the tube; insert the tube into the blank with a twisting motion to spread the glue evenly. Center the tube inside the blank.
- Sand or barrel trim to **square** the ends of the blank

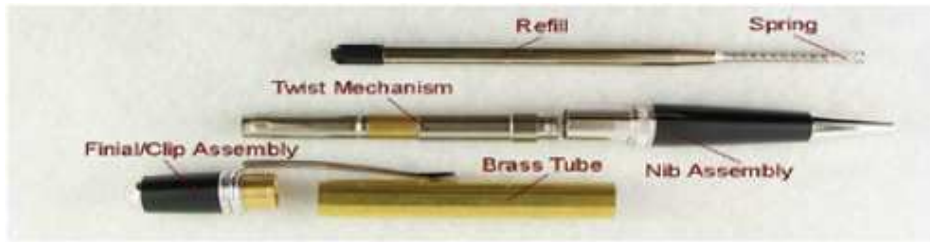
Diagram A



Turning the Blanks (see Diagram A)

- Mount 7mm spacer bushing on the mandrel, followed by the tip bushing; wide end first. Insert the blank. Follow with the cap bushing; narrow end first. Mount spacer bushing to fill the space to the threads on the mandrel. Screw on the knurled nut hand tight. Bring the tailstock in snug to the mandrel and tighten the knurled nut for turning. Do not overtighten the knurled nut, it may damage the mandrel.
- Turn the blank down close to the bushings. Follow with abrasives until the barrel diameters are flush with the bushings.
- Finish with your choice of polish.

Diagram B



Assembly

(Line up finished parts according to Diagram B)

1. Slide the spring onto the refill and place inside the tip assembly. Screw the pen mechanism into the tip assembly.
2. Press clip assembly into the upper end of the barrel.
3. Push (by hand) pen tube with cap assembly onto completed lower assembly.
4. The pen is now ready to operate; twist clockwise to open.