

## New Sketch Pencil Kits Assembly Instructions

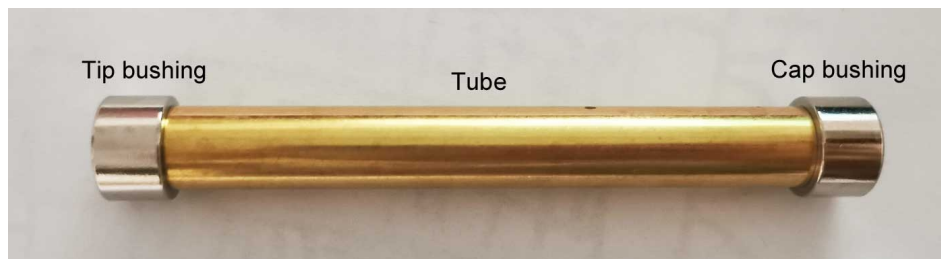
### Required Accessories:

- 7mm Pen Mandrel
- 15/32" Drill Bit RZ-RSDB15/32
- 2 piece Bushing Set RZ-PCL251#-BU
- Universal Barrel Trimmer
- Uses 5.6mm leads
- Sandpaper/Finish
- Glue (Thick CA or Epoxy)



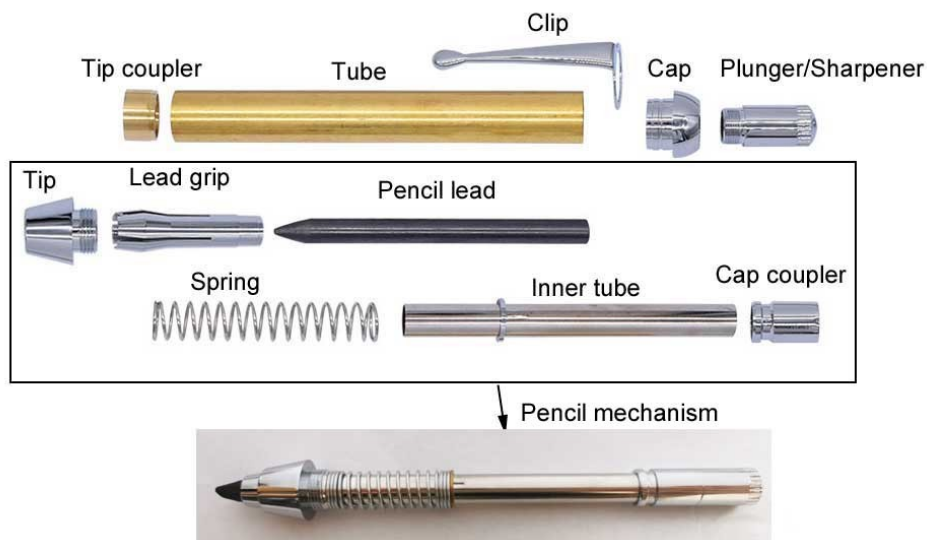
### Preparing the Blank:

- From 5/8" square stock, the wood or acrylic blank to the length of the brass tubes. Add 1/16" for squaring off.
- Drill an 15/32" centered hole lengthwise through the blank.
- Glue the brass tube in the blank. Spread the glue on the tube. Insert into the blank with a twisting motion to spread the glue evenly inside. Center the tube lengthwise in the blank. Allow it to dry.
- After the glue dries, use a Barrel Trimmer to square the ends of the blank flush with the ends of the brass tube.



### Turning the Barrel

- Place spacer bushings onto the pen mandrel. Slide an end bushing onto the mandrel, wide end in first. Insert the blank and follow with the second bushing (narrow end first). Add additional spacer bushings to close the space to the threads on the mandrel. Thread the locknut onto the mandrel handtight. Bring the tailstock in snug with the mandrel. Do not overtighten—this could damage the pen mandrel. Lock the nut and the tailstock in place.
- Turn the blanks down close to the bushings located at the ends of the blanks. Sand the blanks down to the bushings.
- Finish the blanks with your choice of polish and waxes.



### Pen assembly

- Line up parts according to the diagram above.
  - Press the cap with clip into either (one) end of the barrel.
  - Press the tip coupler into the other end of the barrel.
  - Press the cap coupler into the long end of inner tube.
- Do this operation very carefully to avoid bending the tube!
- Slide the spring and pencil lead over the short end of the inner tube. Put the lead grip through the tip, then press the tip assembly into the short end of the inner tube.
  - Screw on the plunger/sharpener through the cap coupler. The pencil mechanism is finished.
  - Thread the pencil mechanism into the bottom of the tube to complete the pencil.
  - To sharpen the lead, unscrew the plunger and insert over the lead and turn lightly.
  - To replace or refill with lead, press the plunger and hold down. The jaws holding the lead will release the lead. Slide a new lead stick through the open jaws to the desired extension.