

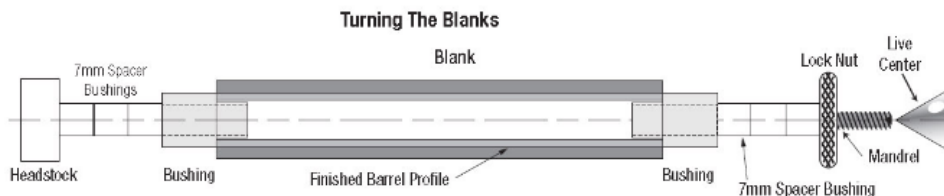
# MINI SKETCH PENCIL KITS ASSEMBLY INSTRUCTIONS

## REQUIRED ACCESSORIES:

- 7mm, Pen Mandrel
- 8MM Drill Bit
- 2 piece Bushing Set
- Universal Barrel Trimmer
- Uses 3mm leads
- Sandpaper/Finish
- Glue (Thick CA or Epoxy)

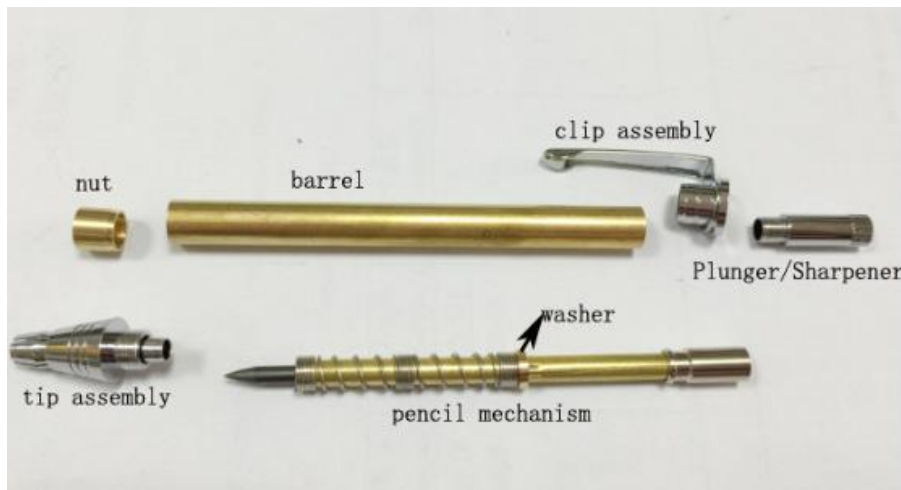
## PREPARING THE BLANK:

- 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 8mm centred 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. Centre the tube lengthwise in the blank. Allow it to dry.
- After the glue dries, use a 8mm 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 hand tight. 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 clip assembly into one end of the barrel.
- Slide the barrel—mechanism nut end first—over the Mechanism Assembly
- Screw the nut onto the tip assembly, then press into the barrel.
- Screw on the Plunger/Sharpener through the cap end.
- To sharpen lead point, unscrew plunger with built-in sharpener and rotate over the exposed lead.
- 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