

## **Highlighter Pen Kits Assembly Instructions**

### **Required Accessories:**

- 7mm pen mandrel
- 3piece Bushing Set RZ-BP112#-BU
- 8mm Drill Bit RZ-DB008
- Universal Barrel Trimmer RZ-PM012
- 2 part epoxy glue or instacure glue (cyanoacrylate)

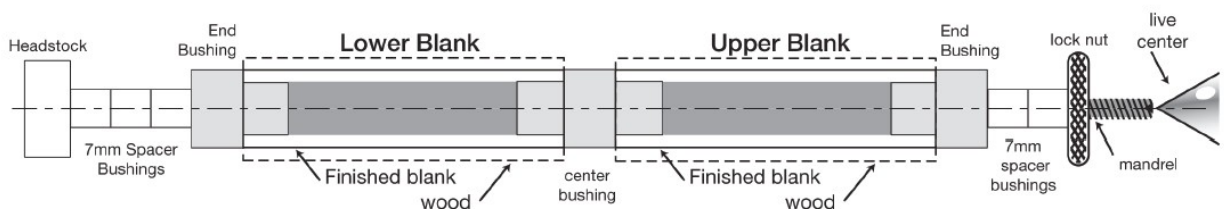
### **Preparing the Blanks:**

- Use a 5/8" square stock. Cut blanks to the length of the tube,adding 1/16"for trim.
- Drill a centered hole lengthwise through each blank.
- Use epoxy or a gap filling cyanoacrylate (super glue), to glue the tube into the blank. Coat the outside of the tube with epoxy and insert the tube into the blank with a twisting motion to spread the glue until flush. Allow it to dry.
- With a barrel trimmer, square the ends of the blanks to the tubes.

### **Turning the Blanks:**

- Slide 7mm spacer bushings onto the mandrel shaft, followed by the end bushing, wide end in first. Slide on the lower blank. Next, add the center bushing, narrow end first. Place the upper blank followed by the end bushing, smaller diameter in first. Add additional spacer bushings as necessary to reach the mandrel threads.
- Thread on the locknut hand tight. Bring the tailstock in snug to the mandrel, lock in place. Tighten the lock nut for turning.
- DO NOT over tighten the locknut,it could damage the mandrel.
- Turn the barrels close to the bushing diameter with sharp tools; sand the barrels to match the bushing diameter.
- Finish the wood with your choice of polish

**DIAGRAM B / Turning the Blanks**



### **Pen Assembly**

- NOTE: Line up the components according to the DIAGRAM-A

- Press the tip into the end of the lower tube (either, two tubes are same).
- Screw the twist mechanism over the refill, then screw center band onto the brass cap,
- Put the brass cap, center band onto the twist mechanism, then press the assembly into the opposite end of the lower tube.
- Remove the center band from the brass cap and press the center band into the end of the upper barrel.
- Put the highlighter ink into the upper tube to the plug.
- Press the clip assembly into opposite side.
- Put the highlighter tip into the highlighter nozzle, place the thicker tip outside the nozzle.
- Screw the top cap into the highlighter tip, complete the pen
- Connect the lower barrel to the upper barrel through the threaded center band to complete the pen.

## DIAGRAM -A

