

Xiamen Rizheng Industry Co.,Ltd

LO12# Letter Opener Kits Assembly Instructions

Required Accessories

- 7mm Pen Mandrel
- 8mm drill bit RZ-DB008
- 3 pc bushings set RZ-LO12#-BU
- barrel trimmer
- epoxy glue or insta-cure (cyanoacrylate) glue

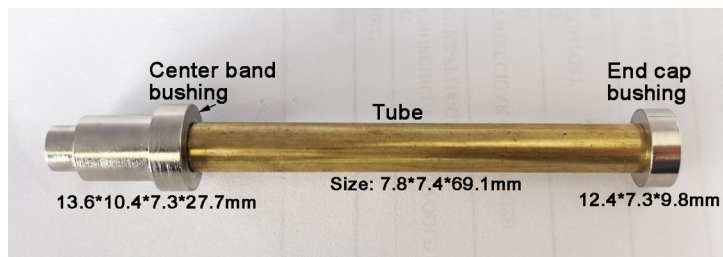


Preparing the Blank

- Cut a blank of 5/8" square to the length of the brass tube. Add 1/16" for squaring off.
- Drill a 8mm hole through the blank.
- Spread glue over the tube, insert into the blank with a twisting motion to spread the glue evenly inside.
- When the glue dries, use barrel trimmer to square the ends of the blank. Take the wood flush with the brass tube.

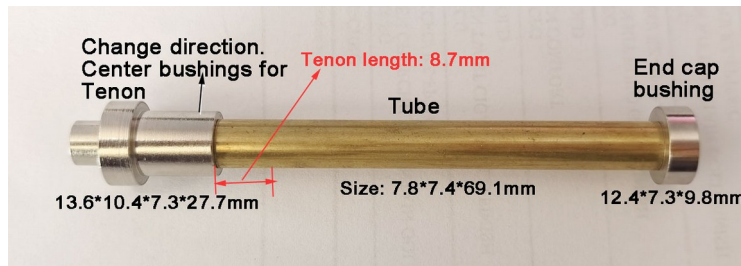
Turning the Blank

- Place the center band bushing, the glued wood blank and the other end cap bushing onto the mandrel. Place locknut on, hand tighten. Bring up the tail stock snug with the live center. Tighten live center to mandrel. Tighten stop bushing and lock nut. Do not overtighten the knurled nut, it may damage the mandrel.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel (straight or to a profile of your choice)
- Sand the blank down to be flush with the bushings or center band gradually increasing the sandpaper grits.
- Finish the barrel with your choice of polish. Allow sufficient time for the polish to cure.

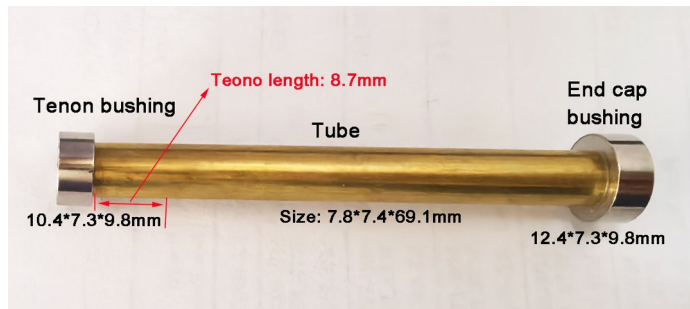


Cutting the Tenon:

Change direction of the center band bushing per the following diagram shown:

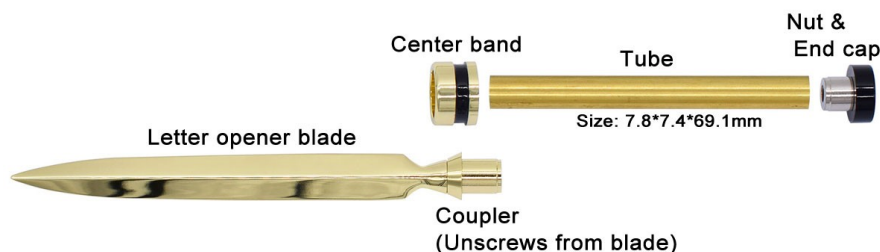


You also could use the tenon bushing to cut the tenon directly, kindly take note.



Make a pencil mark 8.7mm from end. Use a parting tool to cut a 8.7mm tenon down to the diameter of the bushing(Diameter: 10.4mm). Make sure you keep a sharp outside 90° corner on the tenon.

Assembly



Layout the parts as shown. Use a vise or clamp with wood or plastic jaws to prevent damaging parts during assembly.

1. Press the nut and end cap into one end of the brass tube.
2. Use a drop of glue around the tenon, slide center band (square end first) over the tenon. Push in, let dry.
3. Unscrew the coupler from blade, press the coupler into the end of the brass tube.
4. Screw the coupler on the blade, then finished.