

PREMIUM LETTER OPENER

Instructions

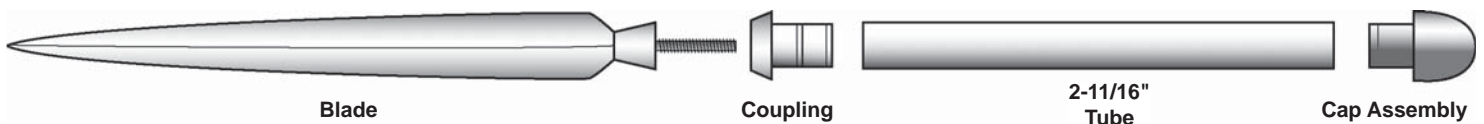
Kit Features

- Heavy chrome plating
- Overall length: 6-3/4"

Required Accessories & Materials

- 7mm mandrel
- 3-pc. bushing set (EUROBU)
- 7mm drill bit (DB7MM or DB7MMCT)
- 7mm barrel trimmer or belt sander to square the ends of the blanks to the tubes
- Glue (We recommend the thick "gel" CA glue—GTHICK2)
- Sanding and finishing supplies

Diagram A - Parts and Assembly



BLANK PREPARATION

Cut your wood or acrylic blank approximately 1/16" longer than the tube to allow for squaring with the barrel trimmer. Use a medium drill speed to **drill** the blanks. Raise the bit from the wood every 1/4" to 1/2" to allow the chips to clear from the flutes of the drill bit. Don't force the drill bit; use an even pressure and let the bit do the work. After drilling the blank, **sand** the exterior of the brass tube to roughen its surface and use a CA **glue** to insert the tube inside the blank. Sand or barrel trim to **square** the ends of the blanks.

TURNING THE BLANK

Set up mandrel as shown in diagram C. When turning the letter opener, you will be using only two of the three bushings (the smallest bushing will not be used). Place bushing 1 on the mandrel as shown in the diagram. Slide the blank onto the mandrel, then bushing 2—the cap bushing—which is the longest bushing. Thread on the locknut hand-tight. Slide the tailstock over snug with the mandrel. **Turn** the letter opener handle to the shape you desire, maintaining the bushing diameter at the ends. **Sand** with abrasives and **finish** with your choice of polish.

ASSEMBLY

(Line up finished parts according to Diagram A)

To avoid damage to components when assembling, use a vise with covered jaws or one of WoodTurningz' pen presses.

1. Press in the rounded tip into one end of the finished blank.
2. Unscrew the threaded coupler from the end of the letter opener blade (it comes assembled). Snugly press the coupler into the opposite end of the finished blank.
3. Screw on the letter opener blade. The opener is ready to use.
4. Optional: You can use a drop of CA glue on the cap and the threaded coupler to ensure a permanent fit.

Diagram B - Bushings

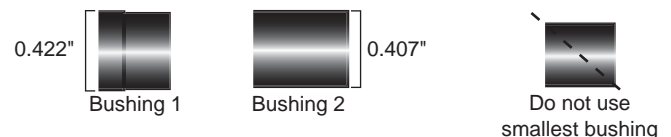


Diagram C - Turning the Letter Opener

