

Mini Key Chain Pen Kits Assembly Instructions

REQUIRED ACCESSORIES:

- 7mm, Pen Mandrel
- 7mm drill bit
- 2-piece Bushing Set
- 7mm barrel trimmer
- 2 part epoxy glue or insta-cure (cyanoacrylate) glue
- 3/4" x 3/4" x 2 1/4" Pen Blank

PREPARING THE BLANK

- Cut one pen blank to the length of the brass tube (add 1/16" for trimming).
- Drill a 7mm center hole lengthwise through the blank.
- Spread glue over the tube, then insert it into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue dries, use a barrel trimmer, universal squaring jig, or a belt/disc sander to take the wood down, flush to the brass tube.

TURNING THE BLANK

- Place 7mm spacer bushings on the mandrel. Place bushing on the mandrel and then follow with the prepared wood or acrylic blank. Follow with the second bushing. Fill up the space to the thread with extra spacer bushings, or with wood spacers. Place lock nut on, hand tighten. Bring the tail stock snug with the mandrel (do not over tighten, it could damage the mandrel) and lock the tail stock in place.
- Turn the blank to the design of your choice. It is not necessary to turn the blank down flush to meet the bushing diameter.

Be creative and design your own unique key ring

DIAGRAM B • Turning the Blanks

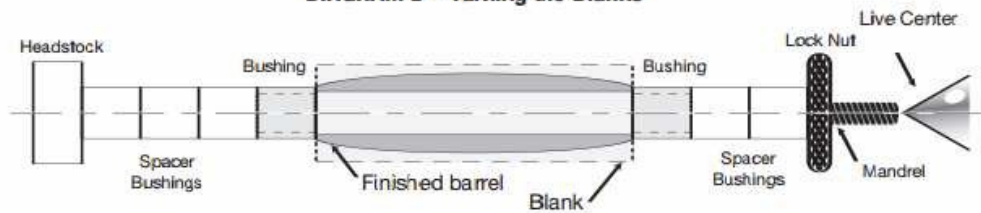


DIAGRAM A



ASSEMBLY

- Press the tip into the end of the brass tube.
- Press the nut, stepped end first, into the opposite end of the brass tube.
- Press the refill into the refill cap, then thread the refill cap into the nut.
- Screw the cap onto the tip. The pen is now complete.