

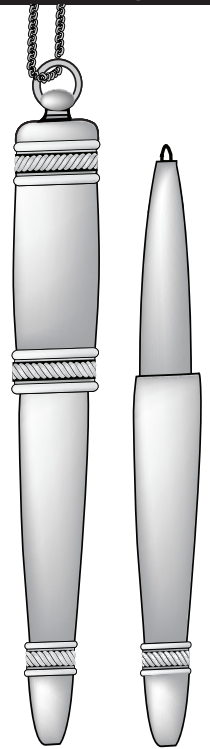
# MAGNETIC NECKLACE PEN KIT

## REQUIRED ACCESSORIES:

- 7mm Pen Mandrel
- 3 pc Bushing Set -#PKMAGNECBU
- 11mm Drill Bit #PKPARK-11MM (for upper tube)
- 8mm Drill Bit #PKPARK-8MM (for lower tube)
- 8mm Barrel Trimmer #PKTRIMKIT (use 8mm shaft)
- Trimmer Sleeve #PKGDRBTS (use the long sleeve)  
For the upper blank use with 7mm Barrel Trimmer
- Tenon Cutting Tool #LCTEN or similar
- 2 Part Epoxy Glue or Insta Cure (Cyanoacrylate) glue

## KIT FEATURES

- Convenient pen for working women
- Pen connects with magnet
- Attractive chain
- Uses Parker™ style ballpoint /gel refill
- Overall length: 4-1/4"

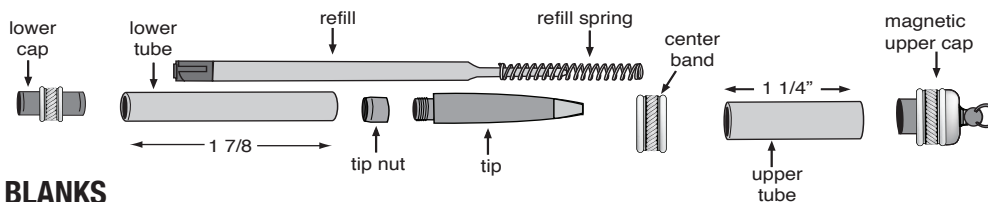


## PREPARING THE BLANK

- Cut 3/4" to 5/8 square blank to the length of the brass tubes. (Add 1/16" to each end for squaring off.)
- Drill a 11mm hole through the upper blank.
- Drill a 8mm center hole through the lower blank.
- Spread glue over each tube. Insert tubes each into the proper blank with a twisting motion to spread the glue evenly inside. Center tubes lengthwise in the blanks.
- When the glue dries, square the end of the blanks. Use a 8mm barrel trimmer for the lower blank. Use the long trimming sleeve of #PKGDRBTS for the upper blank. NOTE: the trimming sleeve is longer than the tube so drill a 9/16" hole that is 1/2" deep in a wood base to accommodate the longer sleeve.
- Trim the wood down, flush with the brass tube.

**IMPORTANT - Trim exactly to the length of the brass sleeves. The finished tube lengths are very critical and the pen may not attach correctly when finished if either tube is too short or if wood extends past the tube.**

DIAGRAM A / Parts list



## TURNING THE BLANKS

- Place spacer bushings over the mandrel. Follow with the smaller diameter bushing, wide end in first. Place the lower blank over. Follow with the center bushing narrow diameter in first.
- Place the upper blank (shorter) on, follow with the larger diameter end bushing extension end in first. Add spacer bushing to close the space to the threads.
- Tighten the lock nut and bring the tailstock in for support. Lock set up in place. Turn the wood down flush with the bushings.
- For the lower barrel, turn with a curve between bushings. Finish sanding the barrels.

DIAGRAM B / Turning the blanks

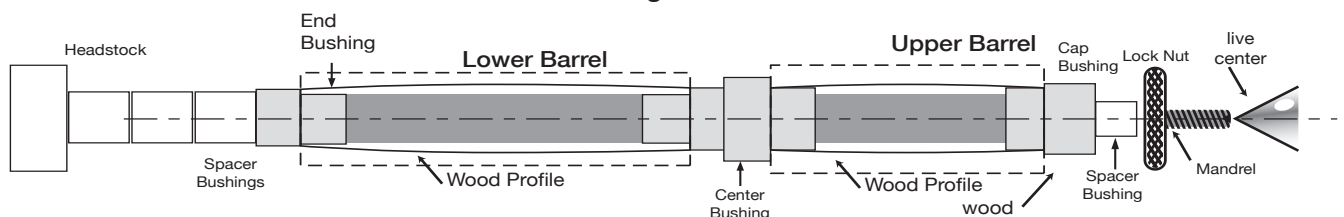
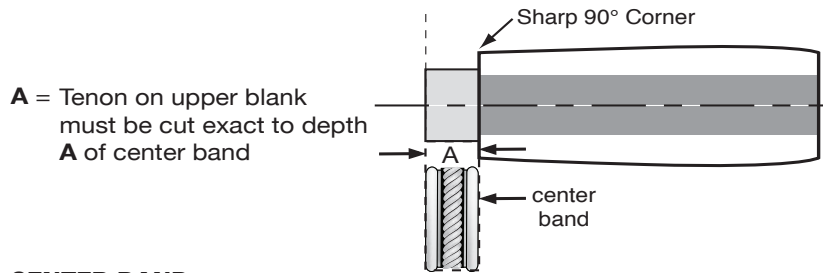


DIAGRAM B3 / Upper Blank with Tenon

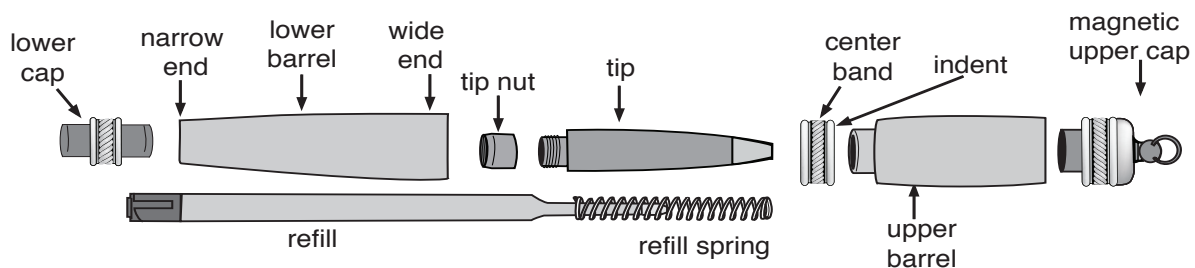
**CUTTING TENON FOR CENTER BAND**

- When upper barrel is finished, measure the width of the center band. Transfer this size to the upper barrel. Make a mark on the wood. Use a tenon or parting tool to remove wood, down to the bare brass tube. Keep a sharp 90° corner for best fit.

DIAGRAM C / Pen assembly

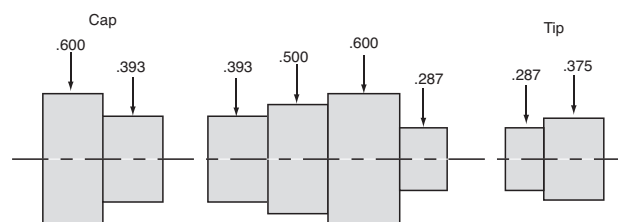
**ASSEMBLY TIPS**

- Line up finished parts according to Diagram C.
- To press parts in, use a pen press or a vice with covered jaws. Press parts slowly to avoid scratching and damaging the gold plated parts.

**PEN ASSEMBLY**

- Locate the hole on center band with an indent recess.
- Insert the center band with the recess over the exposed tube at the upper barrel. Carefully press band squarely over the tube. Be sure end of brass tube lines up evenly with the end of the band.
- Press upper cap onto other end of the upper barrel.
- Press the tip nut, recessed end in first into the wider end of the lower barrel.
- Press the lower cap open inside end in first, into the opposite narrow end of the barrel.
- Insert the spring over the refill. Insert refill, black end in first into the opening at the lower barrel. Screw in the tip end.
- Insert the chain through the ring at the cap of the pen. Slip over the neck. Insert the lower end into the opening. The magnet will keep the pen securely connected.

DIAGRAM D • BUSHINGS



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