

## Slim Style Pen & Pencil Kits



3/4/2015

Product: #123052, #123053, #123059, #123060, #123080, #123087, #123320, #123325, #123330, #123335, #124637, #124638, #124644, #124645, #124651, #124658, #141655, #141656, #141657, #142414, #142415, #142416, #142505, #142506, #142507, #147074, #147075, #148778, #822947

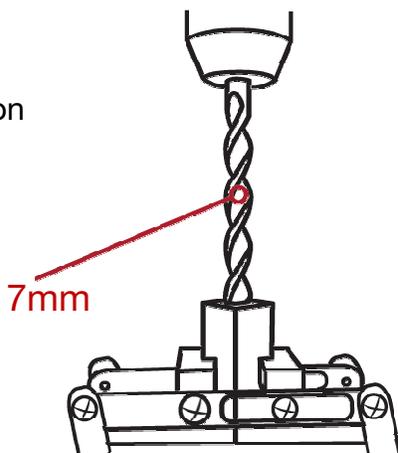
### From Setup To Sanding:

These are the supplies we suggest you have on hand to complete this pen kit:

- 7mm Pen Maker's Bit
- 2 - 3/4" x 3/4" x 2 1/4" Pen Blanks
- Pen Mandrel
- Slim Style Bushings (06R03)
- Thick CA or 5-Minute Epoxy
- Drill or Drill Press
- Sandpaper/Micro-Mesh
- Barrel Trimmer
- Pen Press
- Eye & Ear Protection
- Dust Mask

### Cutting & Drilling Blanks:

Note: Additional length has been added to the overall length of the blank to accommodate for squaring the ends of the blank.

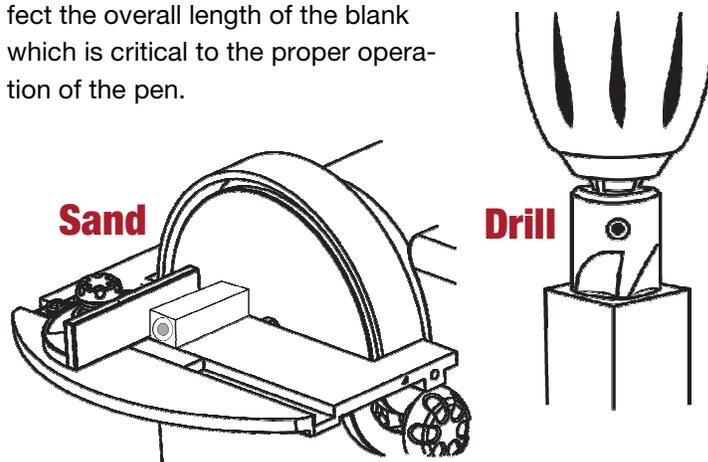


### Gluing Blanks to Tubes:

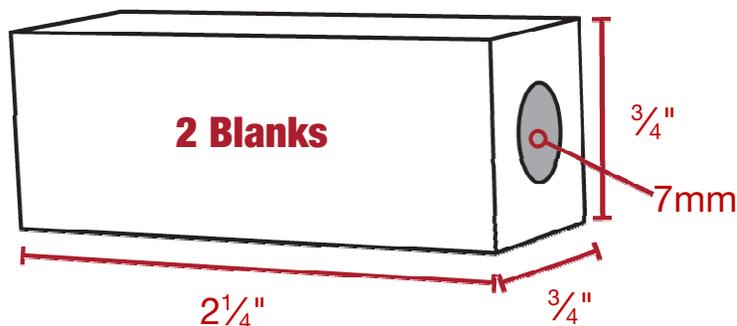
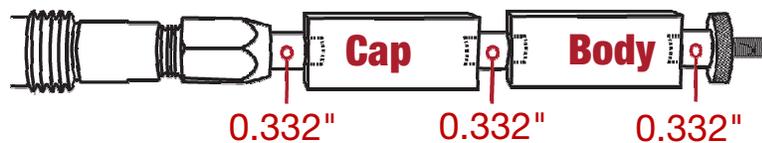
Rough the entire surface of the tube using 180-grit paper. Next, using either a thick CA or 5-Minute Epoxy, apply adhesive to both the tube and the inside of the blank. To secure the brass tube be sure to rotate the tube as you insert it into the blank. This will help ensure even coverage of the adhesive and a much more secure bond.

### Squaring the Blank to Length:

When squaring the blanks to length work only to the brass, not beyond. Removing brass will affect the overall length of the blank which is critical to the proper operation of the pen.



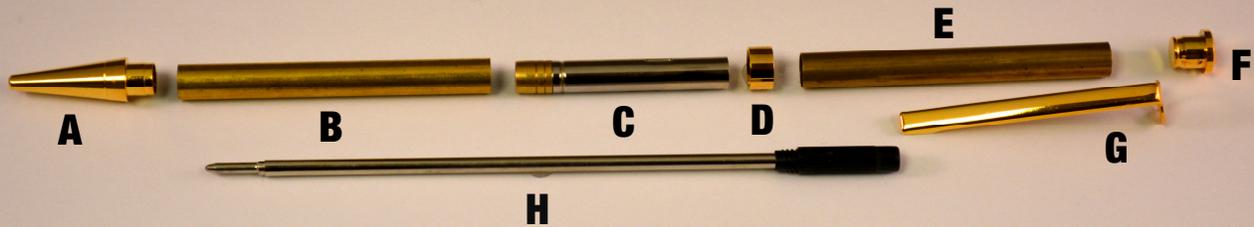
### Mandrel Preparation:



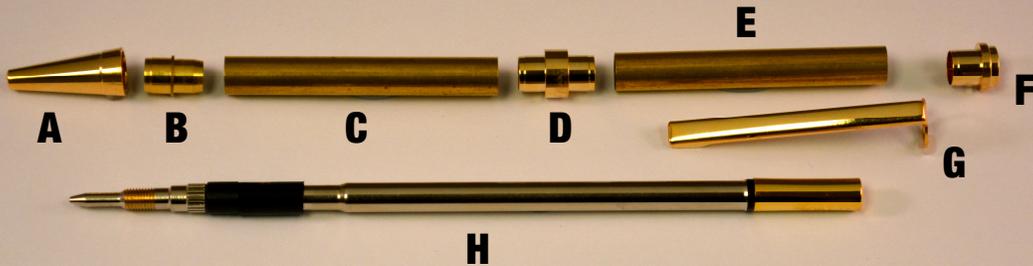
### Turning & Finishing the Blanks:

Turn the blank to your desired profile, leaving the blank slightly proud of the bushings. With the lathe spinning, begin sanding with 120-grit paper, and progress through the finer grits, finishing at 320-grit. Once finished with sanding, apply a finish of your choice.

## Pen Assembly:



## Pencil Assembly:



## Pen Assembly:

### Cap:

❑ Slide Clip (G) onto the post of the Finial Cap (F) and press into one of the open ends of the Cap (E).

### Body:

- ❑ Press Nib (A) into one end of the Body (B).
- ❑ Next press the Twist Mechanism (C) brass end first just to the second ring. While pressing the Twist Mechanism into place, test the position by extending the pen tip and noting its location with respect to the nib. Refer to the image below for the correct position.
- ❑ To test the extension/retraction of the refill tip, install Ink Refill (H) and rotate the twist mechanism and note the position of the Ink Refill in the extended/retracted position. This is a trial and error process so take your time as this may require several attempts to get correct.
- ❑ Once you are satisfied with the position of the ink refill slide the Center Ring (D) over the twist mechanism and join the two sections, pressing together by hand.

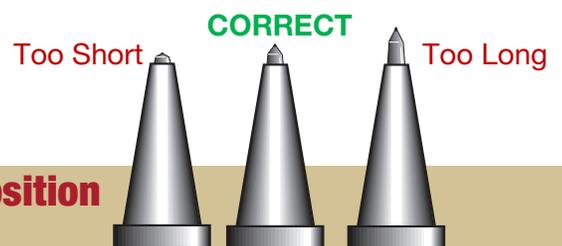
## Pencil Assembly:

### Cap:

❑ Slide Clip (G) onto the post of the Finial Cap (F) and press into one of the open ends of the Cap (E).

### Body:

- ❑ Press Brass Insert (B) (Non-Tapered End) into one of the open ends of Body (C).
- ❑ Next Press Center Ring (D) into the open end of the Cap Assembly (E, F, G), followed by pressing the Body (C) onto the other end of the Center Ring (D).
- ❑ Insert Pencil Mechanism (H) through Finial Cap (F) until threads protrude from the end of the Body. Finish the assembly by threading (finger tight) Nib (A) onto the end of the Pencil Refill.
- ❑ Advance the lead, depress the plunger. To retract, hold the plunger down and gently push the lead flush with the Nib.



**Fully Twisted Position**