

## 7mm Slim Style Schmidt Click Pen Kit

Product : #180422, #180423, #180424, #180425 2/11/2022



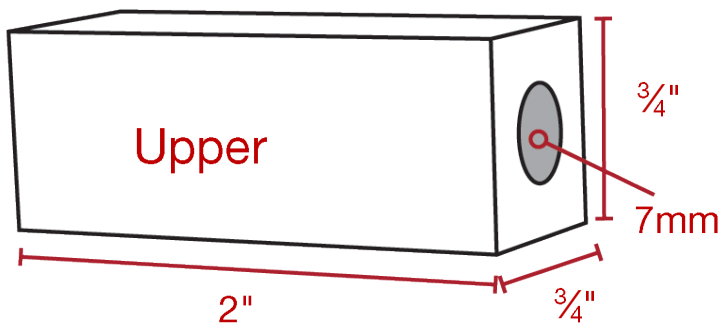
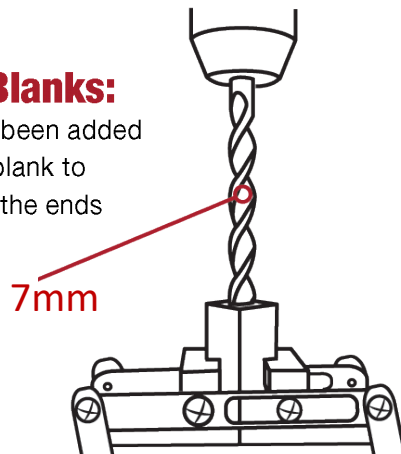
### From Setup To Sanding:

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

- 7mm Pen Maker's Bit
- 3/4" x 3/4" x 2" Pen Blank (Upper)
- 3/4" x 3/4" x 2 3/8" Pen Blank (Lower)
- Pen Mandrel
- Slim Style Pen Kit Bushings(06R03)
- Thick CA or 5 Minute Epoxy
- Drill or Drill Press
- Sandpaper/Micro-Mesh
- Pen Mill Pilot Shaft 7mm
- 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.

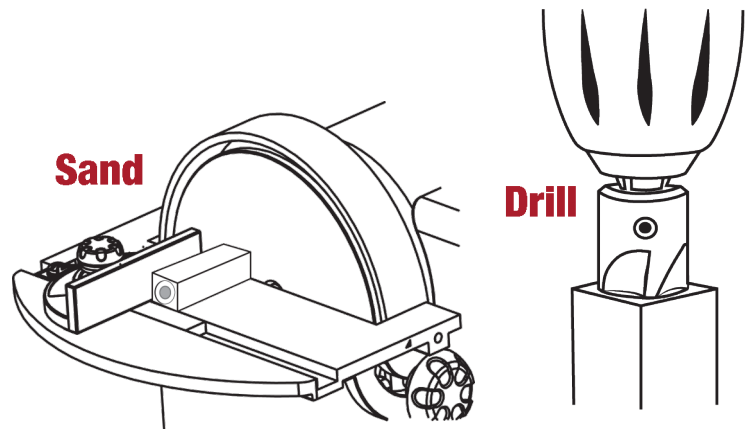


### Gluing Blanks to Tubes:

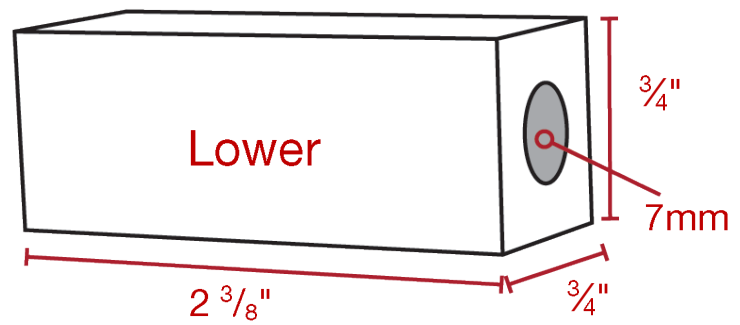
Rough the entire surface of the tube using 180-grit paper. Next, using either a thick CA or 5 Minute Epoxy, apply adhesive to both the tube and the inside of the blank. To secure the brass tube be sure to rotate the tube as you insert it into the blank. This will help ensure even coverage of the adhesive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

### Squaring the Blank to Length:

When squaring the blanks work only the brass. Removing brass will affect the overall length of the blank which is critical to the proper operation of the pen.

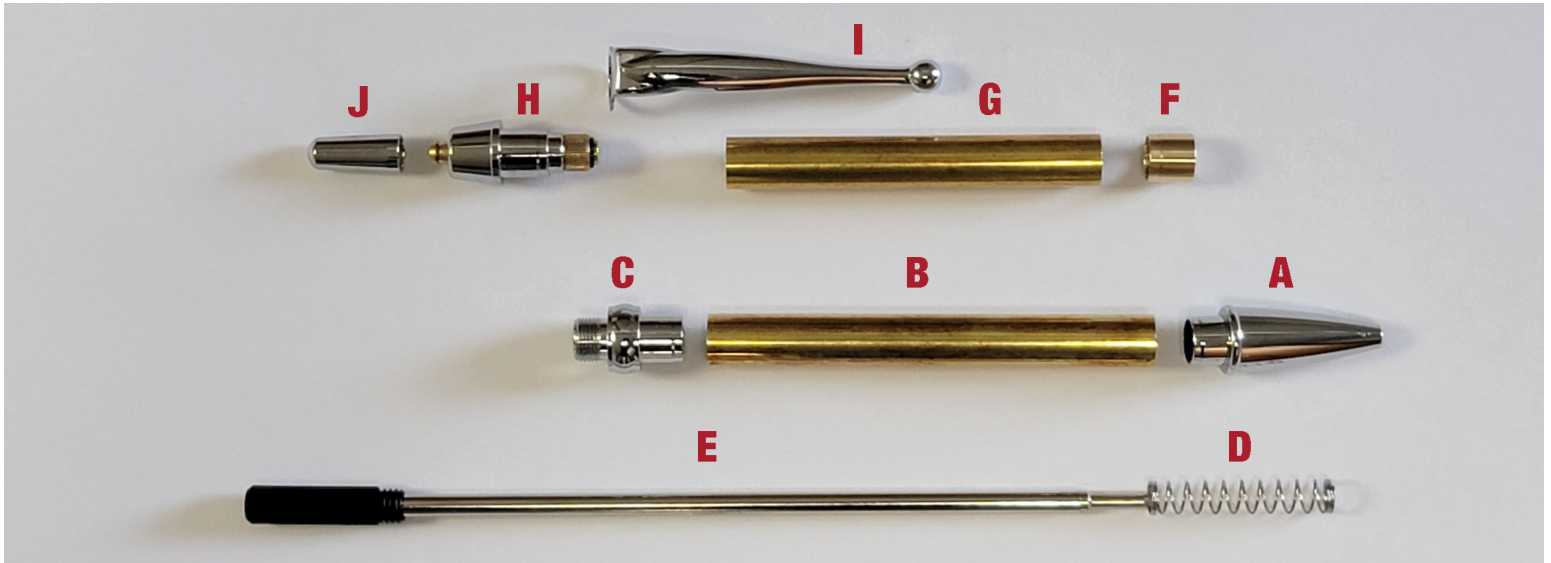


### Mandrel Preparation:



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### 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, progress through the finer grits, finishing at 320-grit. Once finished with sanding, apply a finish of your choice.

### Assembly:

- Press Nib (A) into one end of Finished Lower Blank (B).
- Next press Threaded Center Band (C) stepped end first into other end of Finished Lower Blank (B).
- Install Spring (D) onto Ink Refill (E) and install into the Finished Lower Barrel (B). Set the assembly aside.
- Press Threaded Coupler (F) stepped end first into one end of the Finished Upper Blank (G).
- Slide Clip (I) onto Click Mechanism (H). Press assembly into other end of Finished Upper Blank (G). **Note: Do not press directly onto the Click Mechanism. Use of a press block is necessary for this step. In a scrap piece of wood, bore a  $\frac{9}{32}$ " diameter hole  $\frac{1}{8}$ " deep. Place over the end of the Click Mechanism and press into place.**
- Next, press the Click Cap (J) by hand onto the Click Mechanism (H). You should feel Cap lock into place.

- Finish the assembly by threading the Finished Upper Blank (G) onto the Finished Lower Blank (B).