

## Arete Fountain Pen Kit

Product : #163762

1/16/2018



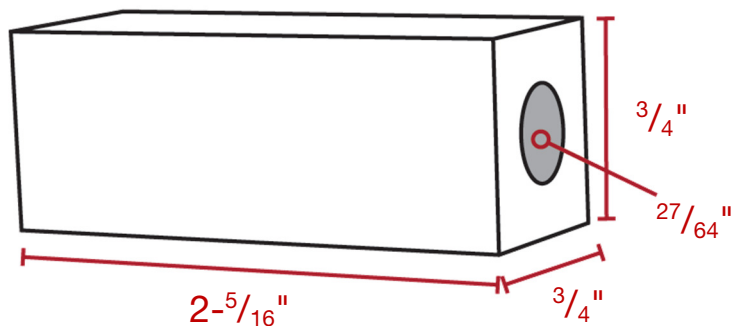
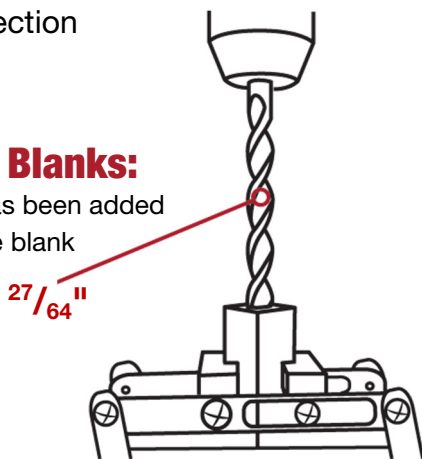
### From Setup To Sanding:

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

- $27/64$ " Pen Maker's Bit
- $3/4$ " x  $3/4$ " x  $2-5/16$ " Pen Blank
- Pen Mandrel
- Arete Pen Kit Bushings (163764)
- Thick CA or 5 Minute Epoxy
- Drill or Drill Press
- Sandpaper/Micro-Mesh
- Barrel Trimmer / Pen Mill Pilot Shaft  $27/64$ " Diameter (153200)
- 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.

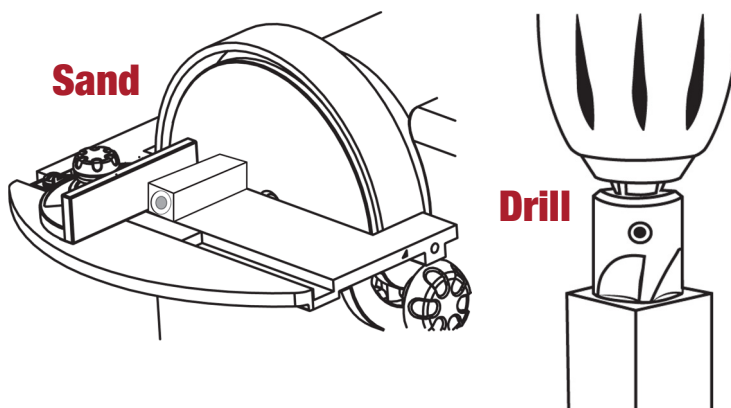


### Gluing Blanks to Tubes:

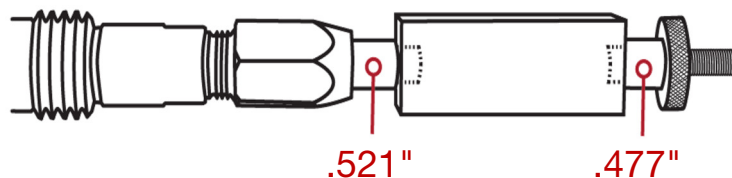
Rough the entire surface of the tube using 180-grit paper. Next, using either a thick CA or 5 Minute Epoxy, apply adhesive to both the tube and the inside of the blank. To secure the brass tube be sure to rotate the tube as you insert it into the blank. This will help ensure even coverage of the adhesive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

### Squaring the Blank to Length:

When squaring the blanks work only to the brass. Removing brass will affect the overall length of the blank which is critical to the proper operation of the pen. **If using a barrel trimmer/pen mill use a  $27/64$ " diameter (153200).**



### Mandrel Preparation:



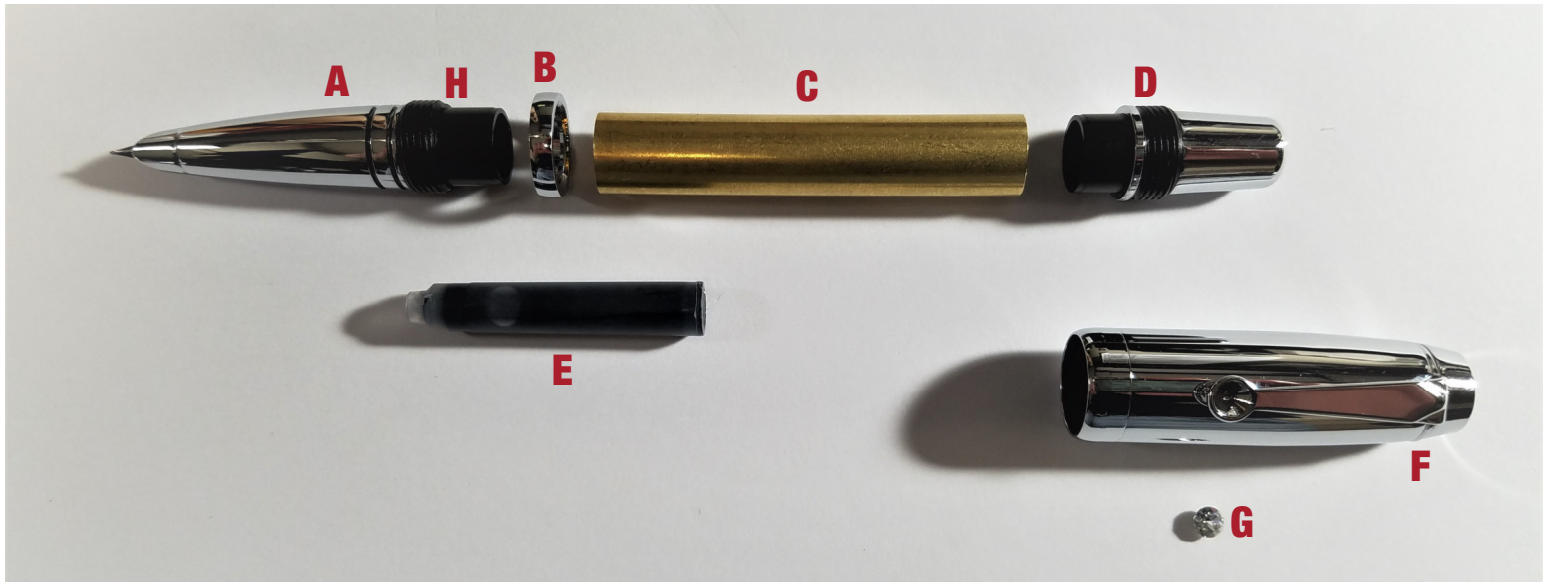
### Turning & Finishing the Blanks:

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

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**Assembly:**

- Unthread the Fountain Nib (A) from the Threaded Coupling Insert (H). Slide Accent Ring (B) over the tapered end of the Threaded Coupling Insert (H) and press into the .521" diameter end of the Finished Barrel (C).
- Next press End Cap (D) into the .477" diameter end of the Finished Barrel (C).
- Insert Ink Cartridge (E) tapered end first onto the post of the Fountain Nib (A) located inside the threaded end of the Nib. Once the Ink Cartridge has been securely installed watch the back side of the Fountain Nib, gently squeeze on the Ink Cartridge until ink is visibly coming out onto the nib. This step may need to be repeated to charge the Fountain Nib. Finish the assembly by threading the Fountain Nib (A) into the open end of the Threaded Coupling Insert (H).
- Mixing a very small amount of 5-minute epoxy adhere Gem (G) into the cup on Clip (G). **Note: Use of a toothpick to apply the adhesive directly in the cup on the clip.**