

Princeton Pen Kit



Product : #153188, #153189, #153190, #153191 3/9/2018

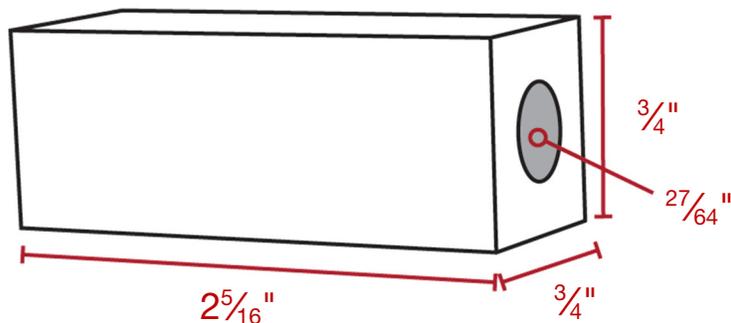
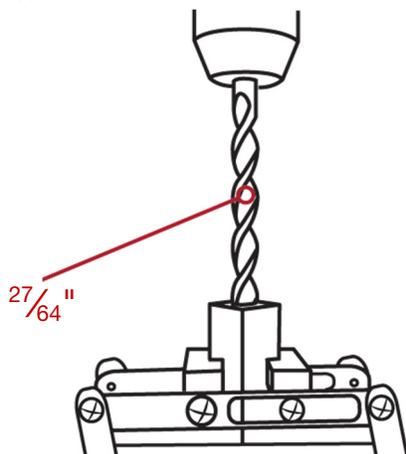
From Setup To Sanding:

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

- $27\frac{7}{64}$ " Pen Maker's Bit
- $\frac{3}{4}$ " x $\frac{3}{4}$ " x $2\frac{5}{16}$ " Pen Blank
- Pen Mandrel
- Princeton Pen Bushings (146597)
- 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.

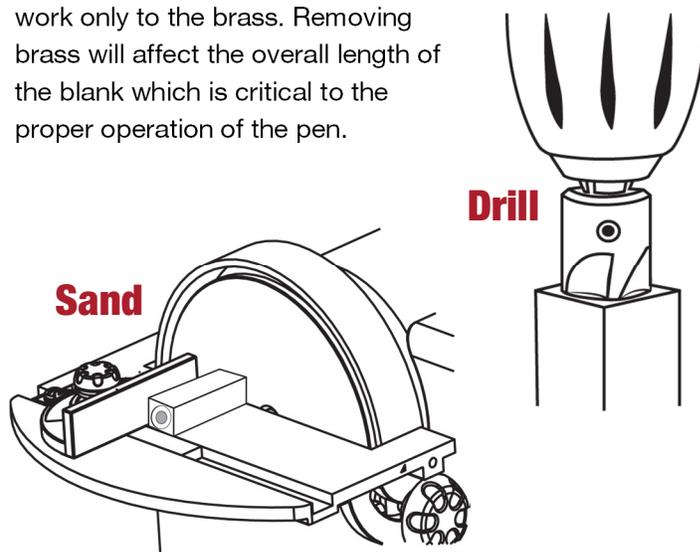


Gluing Blanks to Tubes:

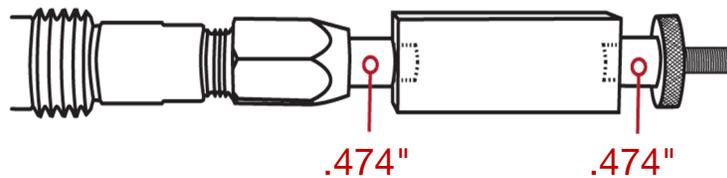
Rough the entire surface of the tube using 180-grit paper. Next, using either a thick CA or 5-Minute Epoxy, apply adhesive to both the tube and the inside of the blank. To secure the brass tube into the inside of the blank make sure to rotate the tube as you insert it into the blank. This will help ensure 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. Removing brass will affect the overall length of the blank which is critical to the proper operation of the pen.



Mandrel Preparation:



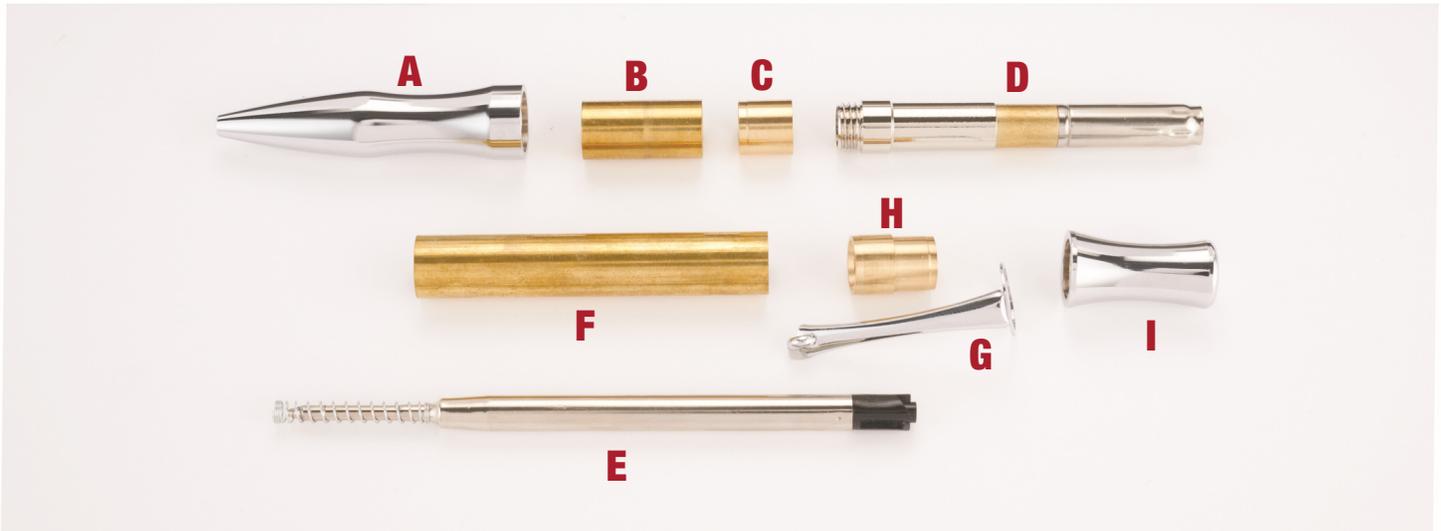
Turning & Finishing the Blanks:

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.

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**Assembly:**

- Press the smaller Brass Tube (B) into Nib (A) until it seats completely.
- Next press the Threaded Coupler (C) flush, tapered end first, into the end of the smaller Brass Tube (B).
- Insert Ink Refill (E) into the Nib Assembly (A, B, C). Place Transmission (D) over Ink Refill (E) and thread into the Nib Assembly (A, B, C).
- Slide Clip (G) over the smaller diameter end of the Transmission Coupler (H) and press into Cap (I). Next, ensure that Clip (G) is centered in the Cap and Finished Barrel before pressing the cap assembly (H, G, I) into one of the open ends of the finished Blank/Tube (F).
- Slide the open end of the finished Blank/Tube (F) over the Transmission (D) and push assembly (F, G, H, I) by hand until it seats completely against the shoulder of the Nib Assembly (A, B, C).

To advance the ink refill turn the body clockwise, to retract the ink refill turn the body counter clockwise.