

Wrench Click Pen Kit

Product : #162262, #162263, #162264, #162309, 3/9/2017
#162266



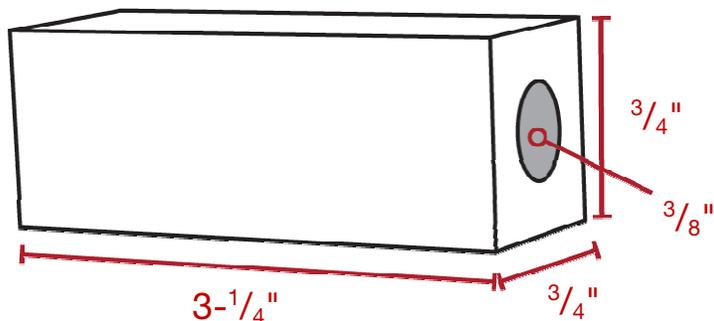
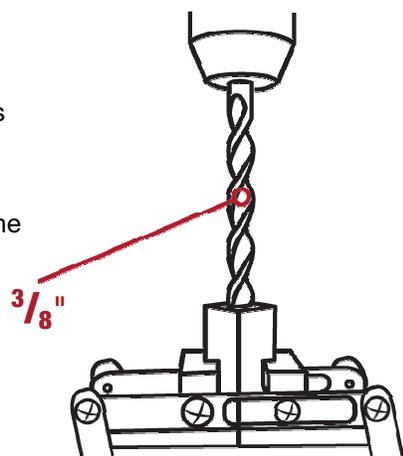
From Setup To Sanding:

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

- $\frac{3}{8}$ " Pen Maker's Bit
- $\frac{3}{4}$ " x $\frac{3}{4}$ " x $3\text{-}\frac{1}{4}$ " Pen Blank
- Pen Mandrel
- Wrench Click Pen Kit Bushings (162267)
- 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.

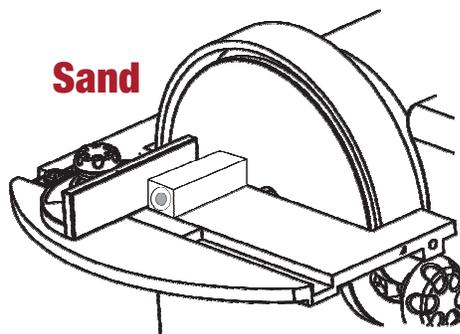


Gluing Blanks to Tubes:

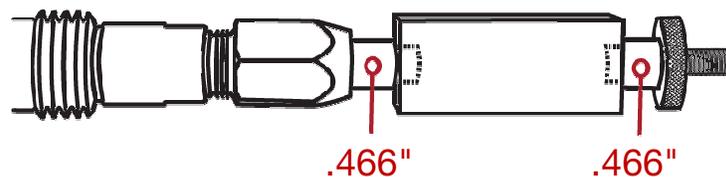
Rough the entire surface of the tube using 180-grit paper. Next, using either a thick CA or 5 Minute Epoxy, apply adhesive to both the tube and the inside of the blank. To secure the brass tube be sure to rotate the tube as you insert it into the blank. This will help ensure even coverage of the adhesive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

Squaring the Blank to Length:

When squaring the blanks 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:



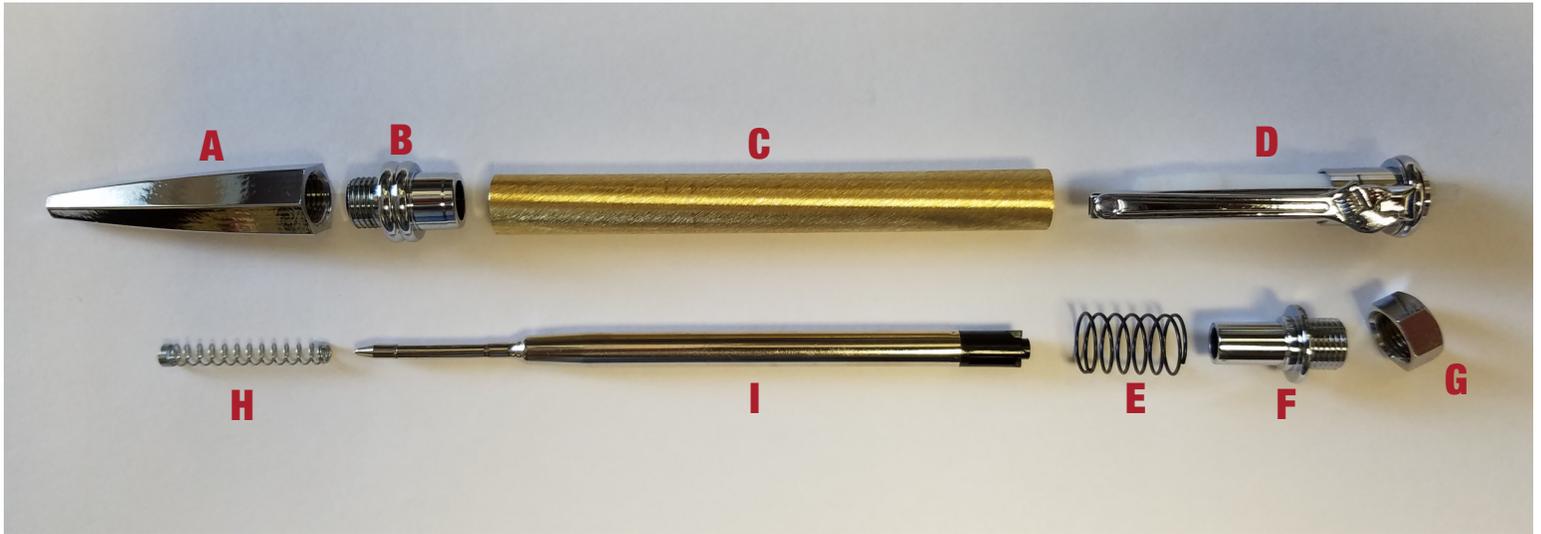
Turning & Finishing the Blanks:

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:**

- Press Nib Adapter (B) into one end of the Finished Blank (C).
- Using a small scrap block of wood, create a press block by drilling a $\frac{3}{16}$ " diameter hole x $\frac{1}{4}$ " deep. Place the block into the pen press, threaded portion of the Click Mechanism (D) inside the drilled hole and press into open end of Finished Blank (C).
- Next thread Nut (G) onto the threaded portion of Click Assembly Connector (F). **Note: Use a small drop of thin CA or Thread Lock to ensure Nut (G) does not become loose and lost.**
- Slide large Spring (E) onto unthreaded portion of Click Assembly Connector (F). Thread the assembly (E, F,G) onto the end of the Click Mechanism (D). **Caution: Do not over tighten the assembly onto the Click Mechanism.**
- Slide Spring (H) small end first onto Ink Refill (I) and insert into the open end of Nib Adapter (B).
- To complete the assembly thread Nib (A) onto Nib Adapter (B).

To advance the ink refill press the end of the click mechanism, to retract the ink refill press the end of the click mechanism again.