

 Gear Click Pen Kit Assembly Instructions

**Required Materials**

* 7mm pen mandrel
* Set of Gear Click Pen Kit bushings
* 3/8” drill bit
* CA (cyanoacrylate) glue or two-part fast-drying epoxy
* Pen blank
* Pen press, vise, or clamp
* Sanding supplies and finish

**Blank Preparation**

1. Cut blank to length of brass tube, plus an additional 1/16” on each end for squaring off
2. Drill 3/8” hole lengthwise through blank
3. Rub the brass tube with low-grit sandpaper to roughen it
4. Apply a line of glue to the brass tube and insert tube into the middle of the blanks with a twisting motion to spread the glue throughout the blank
	* Ensure the inside of the tube is free of any glue
5. Square off the ends of each blank with a barrel trimmer or sander to be flush with the brass tube

**Turning the Blank**

Follow diagram A below to set up the blank on the mandrel for turning

**Diagram A**

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1. Turn down the blank to the desired shape using lathe chisels, ensuring each end is flush with the bushings
	1. Finish with sanding (wet or dry) and choice of polish



**Assembly**

Follow diagram B below for assembly. Press parts using a pen press, vise, or clamp.

**Diagram B**

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1. Unscrew the Tip Coupler from the Tip and press one end of the Tube onto the Tip Coupler
2. Place the Outer Mechanism over the Inner Mechanism so that the teeth of both pieces interlock
3. Insert this piece into the white plastic end of the Cap (threaded end first)
4. Place the Clip onto the Cap and press this assembly onto the other end of the Tube
5. Place the small spring over the Refill and insert through the Tip Coupler
6. Screw the Tip back onto the Tip Coupler
7. Place the Large Spring into the Cap
8. Screw the Plunger onto the Cap, over the Large Spring

**Other Info**

To replace the Refill, simply unscrew the Tip

**Questions or issues? Email us at crookedmill@gmail.com**