

Refillable Fiber Tip Pen Kit

Kit Features

- Cap threads over tip for a tight seal
- Cap posts on back of pen via pressure fit
- Easy to Turn with Straight Tube
- Minimal Parts--easy to assemble
- Available in multiple finishes
- Overall Length: 5-7/32"
- Use fountain pen ink for multiple colors
- Replacement Tip Assemble
2 pack of tips #PKFIBTIP

Required Accessories

- 7mm Pen Mandrel
- Drill Bit: #PK10-10 for Wood, #PK-10MMSG for Plastic
- Bushing Set(2pc): #PKCP7000BU
- Barrel Trimming: PKTRIM10 or 10mm sleeve from #PKTRIMSET with squaring jig on disc sander
- Live Tailstock or Mandrel Saver
- 2 part Epoxy or Thick CA (Cyanoacrylate) Glue
- Pen Blank Minimum Size: 3/4" x 3/4" x 3-1/16"L



Preparing the Blank:

- Cut blank to the length of the tube, adding 1/16" for squaring off.
- Drill 10mm hole lengthwise through the blank.
- Spread glue over tube, insert the tube into the blank with a twisting motion to spread the glue evenly inside.
- Center the tube lengthwise inside the blank.
- When the glue is dry, square the ends of the blanks, making sure the trimmed ends are 90° to the tube. Use a 10mm Barrel Trimmer or a pen blank squaring jig with 10mm sleeve on a disc sander. Take the excess material down flush to the ends of the tubes. Do not trim past the end of the tube since this may interfere with assembly or the operation of the Reservoir Pump. Use a barrel trimmer to clean the inside of the tube.

DIAGRAM B / TURNING THE BLANK



Turning the Blank:

- Mount the bushings and blanks according to diagram B.
- When using Mandrel Saver, there is no need for extra spacer bushings or the knurled nut. Slide and lock tailstock directly against bushings and tighten quill until blank and bushings are secure.
- To use Knurled Nut Setup (right), add spacer bushings until past the threads on the end of the Mandrel Shaft.
- Thread on the Knurled Nut and hand tighten to hold all components in place.
- Slide the Tailstock up snugly against the Mandrel shaft, inserting the live center point into the Mandrel dimple.
- Lock Tailstock and hand tighten the quill adjustment with wheel to steady the mandrel. Do not over-tighten, it could damage mandrel shaft.
- Using sharp tools, turn the blank down close to the bushing diameter. Turn the barrel straight or to a profile of your choice.
- Sand the blank down to be flush with the bushings, gradually increasing sandpaper grits.
- Finish the barrel using your choice of polish. Allow sufficient time for the polish to cure—refer to polish manufacturer's instructions.

Knurled Nut Setup

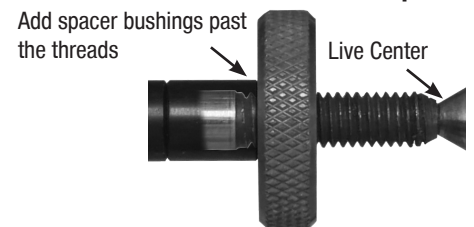


Diagram C / Bushing #PKCP7000BU

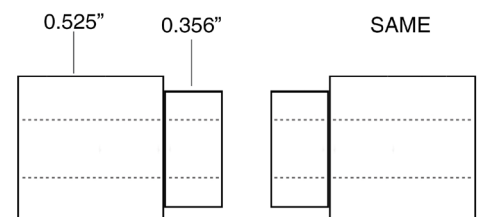
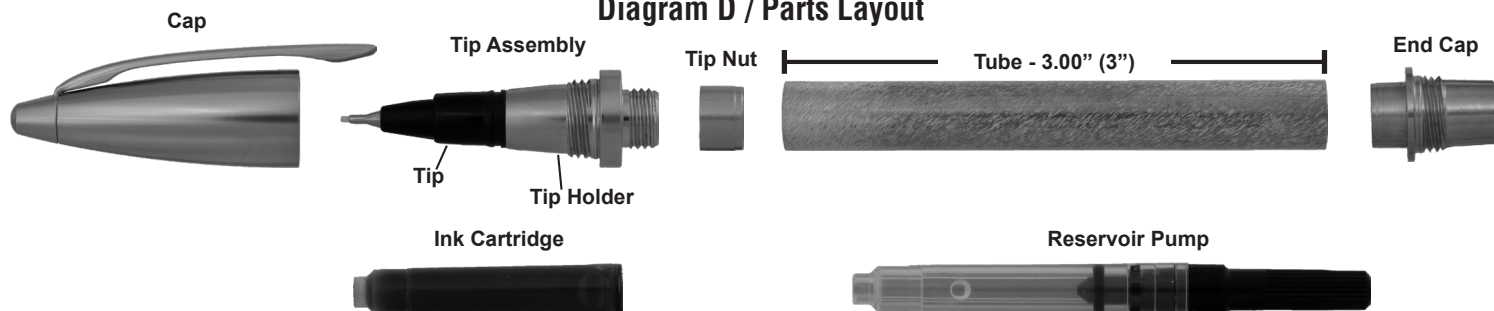


Diagram D / Parts Layout

**Assembly:**

- Press Tip Nut, reduced diameter first, into either end of Barrel.
- Press End Cap into remaining, open end of Barrel
- Insert Ink as described below
- Thread Tip Assembly into Tip Nut
- Thread Cap over Tip Assembly.
- To write, unscrew Cap and thread it onto the End Cap.
- When finished, always remember to replace the Cap onto the Tip Assembly
- If the ink runs out and the Tip becomes dry, it can be refreshed after replacing the ink (see below), by stroking the Tip on a moistening paper towel.
- If Tip becomes too worn, replacements are available (#PKFIBTIP). To replace, remove ink and unscrew Tip from the Tip Holder and thread new Tip into place.

Inserting Ink:

- First know that either the Cartridge or the Reservoir Pump can be used as an ink source. The Cartridge comes pre-filled, and the Reservoir Pump can be filled and refilled with commercial Fountain Pen Ink.
- To use the Cartridge, unscrew the full Tip Assembly from the pen body. Opposite the tip, you will see the back of the ink feed. Push the Cartridge tip against this post (Diagram E). The ball seal will pop and the ink will flow into the feed. Allow the ink to reach the tip and begin using.
- To use the Reservoir Pump, you will need a bottle of Fountain Pen Ink, which is available online and from stationery stores (Note that waterproof ink may dry out faster and cause more frequent tip replacement). Twist the back stem of the Pump counter-clockwise to extend the plunger towards the tip opening and insert the tip of the Pump into the ink (Diagram F). Twist the back stem clockwise to retract the plunger and draw ink into the reservoir (Diagram G). Wipe excess ink from the tip and insert into the back of the Tip Assembly the same as you would with the Cartridge.

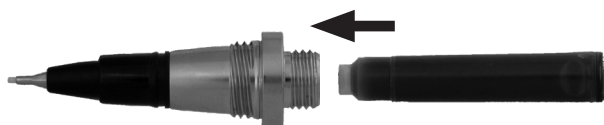


Diagram E - Inserting Cartridge

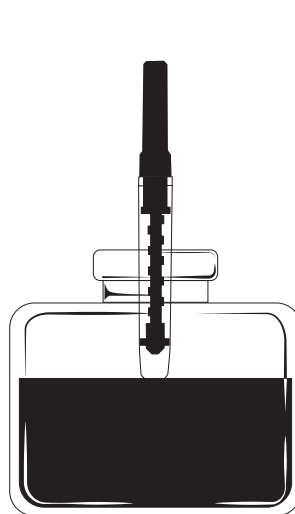


Diagram F - Dip Reservoir with plunger extended

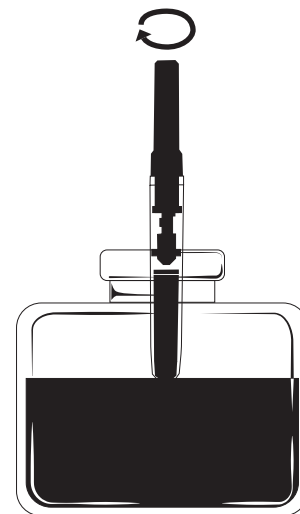


Diagram G - Twist back stem clockwise to draw up ink

