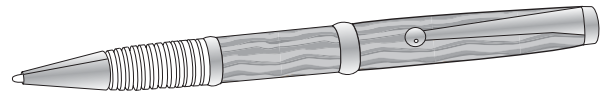


“Funline” Comfort Pen Kit Assembly Instructions

Kit Features:

- Various plating styles.
- Non-Slip Silicone Collar for sure grip holding.
- Pen uses Cross® type ball point pen refill.
- Overall Length: Pen 5-1/8"



Required Accessories

- 7mm Long Mandrel.
- 2 Piece Bushing Set #PKCFBUSH plus 1 standard 7mm bushing.
- 7mm Drill Bit #PK-7MM.
- 7mm Barrel Trimmer #PK-TRIM (optional)
- 2 Part Epoxy Glue or Insta-Cure (cyanoacrylate).

Step 1 - Cut Wood Blanks

- From 1/2" to 5/8" square stock, cut two blanks to the length of the brass tubes plus 1/16" (for squaring off). Grain should run lengthwise.

Step 2 - Drill The Wood Blanks

- Drill a 7mm centered hole lengthwise through each blank. Excessive pressure will cause the drill bit to wander and/or split the blank. Slow the feed rate and back the bit out repeatedly for chip removal.

Step 3 - Glue The Tubes Into The Blanks

- Use epoxy or a gap filling cyanoacrylate. Spread the glue on the tube. Insert into the blank with a twisting motion to spread the glue evenly inside. Center each tube lengthwise in the blank. Allow it to dry.

Step 4 - Square The Ends

- After the glue dries, use a 7mm barrel trimmer #PKTRIM or other sanding device to square the ends of the blanks 90 degrees flush to the ends of the brass tubes.

Step 5 - Turning The Blanks

- Place 3-4 spacer bushings onto the mandrel. Next, place one of the Comfort Bushings onto the mandrel. Then, slide on the lower blank, then the other Comfort Bushing. Follow with the upper blank then a standard 7mm bushing. Thread on the lock nut hand tight. Bring the tail stock snug with the mandrel (do not over tighten, it could damage the mandrel). Adjust to remove the spaces, then tighten the lock nut and lock the tailstock in place.

Lower Blank:

- Turn the wood down, using lathe chisels and abrasives, to the size of the bushings. Make a pencil mark 1" from the end of the lower wood blank (see drawing). Use a parting tool to remove the wood down to the brass tube and to the Comfort Bushing. Keep a sharp 90° corner on the wood.

Upper Blank:

- Turn this blank similar to the lower blank but gradually taper the end toward the 7mm bushing.

Step 6 - Sand

- As with any sanding, progress through a range of grits. The type of wood used and the quality of the beginning surface will dictate your selection.

Step 7 - Finish

- Try a finish of your choice but be careful if brushing on a poly, etc. You can accidentally stick the tube, bushings, and mandrel together. PSI Shellawax works well on most woods. Apply with a rag or paper towel to the spinning barrel. Apply two coats.

Assembly instructions are on other side.

Diagram B - Turning the Blanks

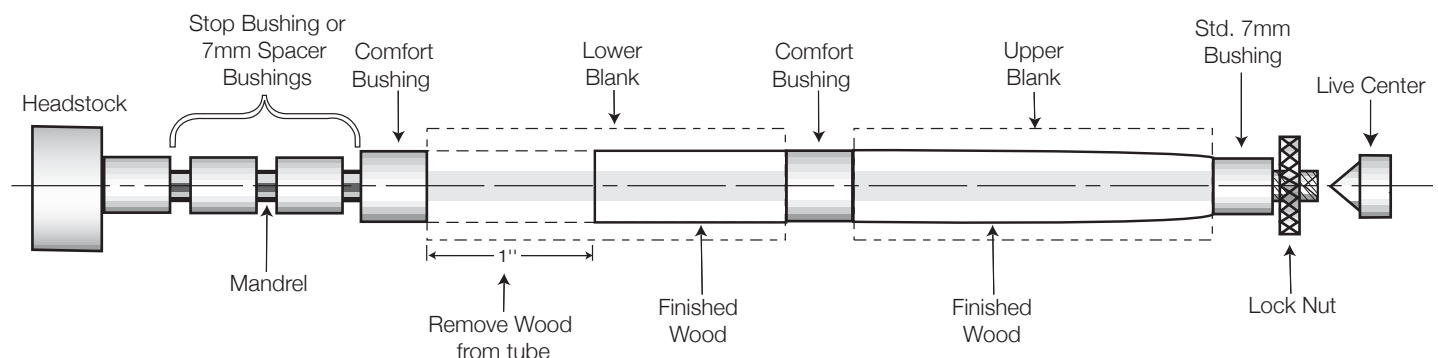
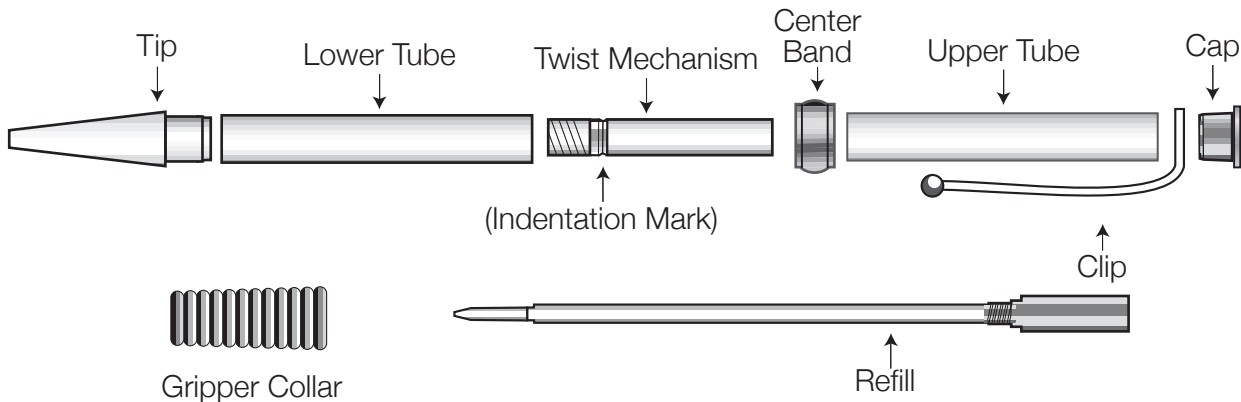


Diagram B - Assembly of the Pen



Pen Assembly

Note: Line up parts according to layout above.

General Assembly Hints:

Use a clamp, vise, or pen press to push parts together.
7mm Pen Disassembler Kit, #PKDISPEN is available.

Pen Assembly

Note: Line up parts according to layout above.

- Slip the gripper collar, wide end first, over the exposed
- Press the pen tip into the tube against the gripper.
- Press the pen mechanism, brass end first, into the opposite end to the identification mark. Stop near the mark to check for the desired extension of the refill. Leave the refill screwed in.

- Press the cap through the clip and into the narrow end of the brass tube. wood end of the upper barrel. The clip tension may be relaxed by bending it slightly outward prior to assembly.
- Slip the pen center band over the exposed mechanism. Engage both halves to complete the pen.
- The pen operates by twisting the ends to advance or retract the refill.

