

Slimline Pen Kit

BUDG-FAN-SLIM-XX & SLIM-XX

william wood-write

penblanks.ca

Recommended Supplies:

- 7 mm pen mandrel
- 7 mm drill bit
- Bushing set BUSH-1A
- 7 mm pen mill & $\frac{3}{4}$ " cutterhead
- Mandrel saver or 60° live center
- Minimum Blank size: $\frac{3}{4}$ " x $\frac{3}{4}$ " x 5"
- Thick CA glue or 2-part epoxy



Budget Fancy Slimline Pen



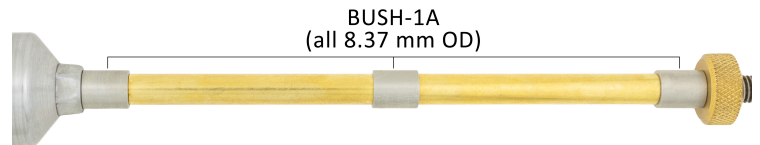
Slimline Pen

Preparing the Blanks:

1. Cut the blanks approximately $\frac{1}{4}$ " longer than the brass tubes.
2. Drill the blanks through the centre, lengthwise, with a 7 mm drill bit.
3. Lightly scuff brass tubes with sandpaper to improve glue adhesion.
4. Plug the ends of each tube with baseplate wax or a similar material to prevent glue from entering the tube (glue inside tubes is a common cause of kit failure).
5. Roll each tube in glue and insert them into the blanks using a twisting motion. Ensure tubes are centred in the blanks. Allow glue to fully cure, then remove the plugs.
6. Square the ends using a pen mill and cutter head (aka. barrel trimmer) or disc sander. Stop when the brass is just visible. Do not shorten the tubes.

Turning the Blanks:

1. Assemble the blanks on the mandrel using bushing set BUSH-1A.
2. Bring up the tailstock, lock it down, and tighten it against the mandrel. Do not overtighten.
3. Turn the blanks to your desired shape using the bushings as a sizing guide.
4. Sand through progressive grits and apply a finish of your choice.
5. Remove blanks and bushings from the mandrel.



Assembling the Kit:

1. Press the nib into one end of the lower tube.
2. Press the twist mechanism into the other end of the lower tube, stopping just short of the indent. Test fit the refill by threading it into the mechanism. The tip should extend approximately 3 mm. Adjust as needed. Do not press past the indent.
3. Slide the clip onto the finial and press this assembly into one end of the upper tube.
4. Slide the center band over the twist mechanism.
5. Slide the upper barrel over the twist mechanism to complete assembly.

