

Slimline Pro Gel Click Pen Kit Instructions

Steve's Woodcraft

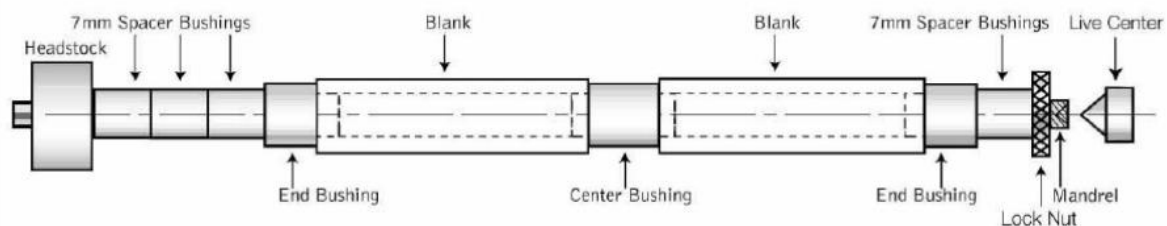
Required Accessories

- 7mm Pen Mandrel
- 3-piece bushing set
- 8mm drill bit
- Glue
- Pen blank



Preparing the Blanks

1. Cut blanks to the length of the tube, adding 1.5mm for trim. Grains should run lengthwise.
2. Drill an 8mm hole lengthwise through each blank. Excessive pressure will cause the drill bit to wander and/or split the blank.
3. Glue the tube into the blank. Coat the outside of the tube with glue and insert the tube into the blank with a twisting motion to spread the glue until flush. Allow it to dry.
4. Square the ends of the blanks to the tubes.
5. With a 7mm barrel trimmer or other sanding device, square the ends of the blanks 90 degrees flush to the ends of the brass tubes.

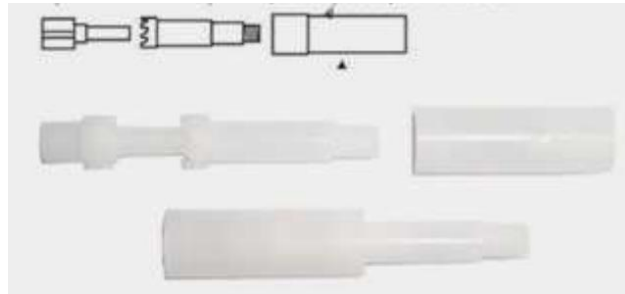


Turning the Blanks

1. Slide 7mm spacer bushings onto the mandrel shaft, followed by the end bushing. Slide on one blank. Next, add the centre bushing. Place the upper blank followed by the end bushing. Add additional spacer bushings as necessary to reach the mandrel threads.
2. Thread on the locknut hand tight. Bring the tailstock in snug to the mandrel, lock in place. Tighten the lock nut for turning. DO NOT over tighten the locknut - it could damage the mandrel.
3. Turn the barrels close to the bushing diameter with sharp tools; sand the barrels to match the bushing diameter.
4. Sanding the blanks. As with any sanding, progress through a range of lower to higher grits of sand paper. Sand with blank spinning. Progress from 150 through to 600 grit paper. Different woods and acrylics require different methods to achieve better results.
5. Finish the wood with your choice of polish.

Assembly

1. Arrange the parts per the diagram below. If some of the parts are screwed together separate them first.
2. Press the pen coupler, unthreaded end first, into one end of the lower barrel.
3. Press the centre band, short extension first, into the opposite end.
4. Press the plunger guide, with the clip, into one end of the upper barrel.
5. Assemble the 3-part plastic mechanism (see diagram) and, using the refill or other pen, push the mechanism, thread first, through the upper barrel from the end opposite to the clip. Stop when the plastic thread is flush with the top of the plunger guide. Press firm but gently so as not to break or split the plastic.



6. Drop the mechanism spring over the thread and screw on the plunger.
7. Press the two barrels together over the centre band, make sure the refill is not in the pen when doing this or you may break off the notches in the mechanism.
8. Slide the refill spring over the refill and insert into pen from the tip/coupler end.
9. Screw on the tip.

