

Cigar Pen Kit Instructions

Steve's Woodcraft

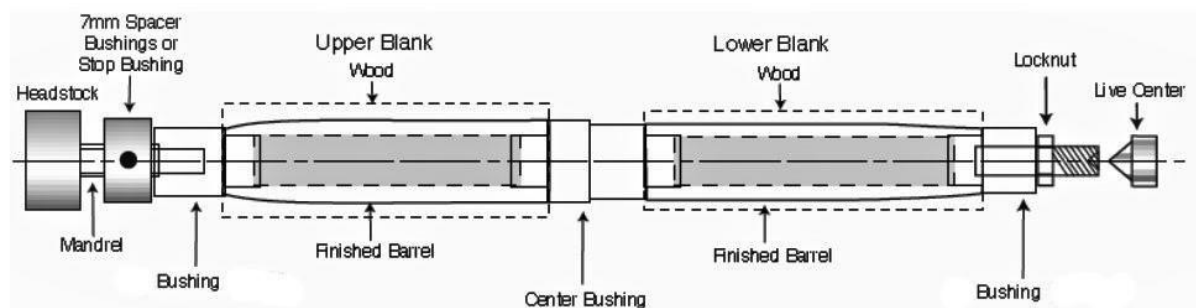
Required Accessories

- 7mm Pen Mandrel
- 3-piece Bushing set
- 10mm drill bit
- Glue
- Pen blank



Preparing the Blanks

1. Cut the blanks to the length of the tubes and add 2mm for squaring off.
2. Drill a 10mm hole lengthwise through each blank.
3. Glue the tubes into the blanks. 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.



Turning the Blanks

1. Slide 7mm spacer bushings onto the mandrel shaft, followed by cap bushing (bigger) wide end first. Slide on the upper blank (shorter) followed by the centre bushing, wide end first. Next slide on the lower blank (longer) followed by the tip bushing (smaller). 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. Finish the wood with your choice of polish.

Assembly next page

Assembly

1. In most cases the clip/coupler parts will be provided already assembled, be sure that it is screwed together tightly but unscrew the twist mechanism if attached.
2. Line up the finished parts according to the diagram below.

Upper Barrel

3. Press the clip/coupler assembly into the tapered end of the barrel.
4. Place the disc over the centre band and press into the opposite end of the barrel.

Lower Barrel

5. Press the tip assembly into the tapered (smaller) end of the barrel.
6. Press the coupling, recessed end first, into the opposite end.
7. Place the refill, with spring, inside the barrel.
8. Screw the twist mechanism over the refill onto the coupler.

Final Assembly

9. Engage both barrels by sliding the twist mechanism inside until the parts are connected.
10. The pen operates by twisting the two halves to extend or retract the refill.

