

BOLT ACTION PEN

REQUIRED ACCESSORIES

- 7mm pen mandrel
- 2piece Bushing Set
- 3/8" Drill Bit
- Universal Barrel Trimmer 3/8 shaft
- Live Tailstock Center
- 2 part epoxy glue or Insta-cure glue (cyanoacrylate)
- Minimum Blank size: 5/8"x2-1/4"

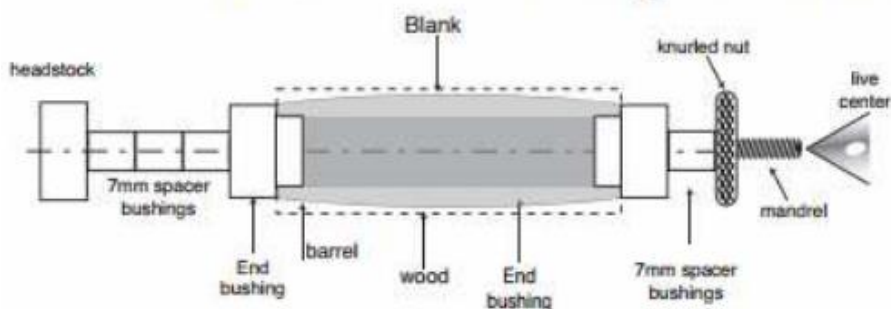
PREPARING THE BLANK

- Cut one pen blank to the length of the brass tube (add 1/16" for trimming).
- Drill a 3/8" hole lengthwise through the blank.
- Spread the glue over the tube. Insert the tube into the blank with a twisting motion to spread the glue evenly inside. Centre the tube lengthwise in the blank.
- When the glue dries, Square the end of each blank. Use a Barrel trimmer with 3/8" shaft or a universal pen blank squaring jig with a power disc sander. Take the wood down to the brass tube. Do not trim beyond the length of the tube since this may interfere with operation of the mechanism and assembly.
- Use the barrel trimmer shaft to clean the inside of the tube.

TURNING THE BLANK

- Mount the bushings and blanks on the mandrel according to Diagram "B"
- 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 in place.
- Hand tighten the quill adjustment to firm up the mandrel. (DO NOT over tighten, it could damage the mandrel).
- 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 the sandpaper grits.
- Finish the barrel with your choice of polish. Allow sufficient time for the polish to cure. - Refer to polish instructions.

DIAGRAM B - Turning the Blanks



PEN ASSEMBLY

According to the Diagram C

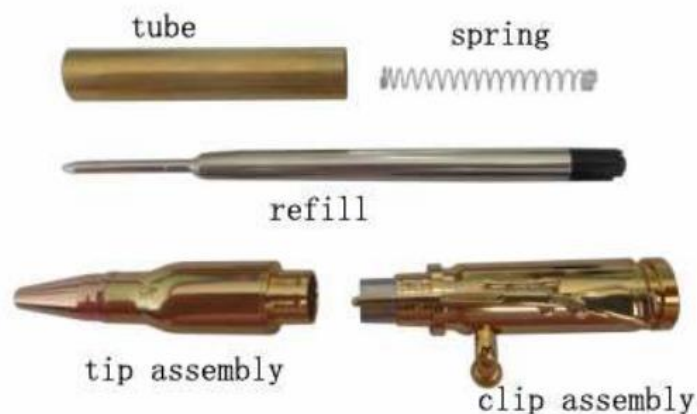
- Position the bolt either in Position A or Position B. (Delivered in position A)
- Position A - Check to see if bolt is tightly in place. To tighten see Note 1
- Position B - Reverse the direction of the bolt. See Note 1 on loosening / tightening the bolt.
- Rotate the clip to slot (press into slot)- do this by unscrewing the cap and rotating the clip.
- Re- attach the cap after the clip is re-positioned

NOTE: Layout Finished parts according to Diagram A

- Press the front end into either end of the barrel
- Press the clip assembly into the opposite end of the barrel.
- Unscrew the tip and insert the refill into the opening at the tip assembly.
- Insert the spring over the refill and replace the tip.
- Lock or unlock the bolt to extend or retract the refill tip.

NOTE: Please do not press the front end of this kit with the tip removed. If you do so the parts will not assemble properly

DIAGRAM -A



NOTE1:

Changing and tightening the bolt.

To loosen or tighten the bolt, loosen or tighten the setscrew as shown below in Diagram C. Take a long Phillips screwdriver with a small head, insert into the back end as shown. Rotate the bolt as necessary and tighten the setscrew

DIAGRAM C

