



## Elegant American Ballpoint Pen

### Tooling:

B-Mandrel

O-Bit

#15A or #17B Bushing Set (3 per set)

### **Cutting and Turning**

1. Cut wood same length as tube or a little longer to square off.
2. Drill wood with O-Bit.
3. Glue in tubes.
4. Mount on B-Mandrel – smallest bushing first then Blank #1(long tube) then largest bushing then Blank #2(short tube) then middle size bushing then the nut.
5. Turn to desired size or to bushing. This is a tapered pen. Sand & polish.

### **Assembly**

#### **Blank #1 (long tube) Bottom**

1. Press nib into smallest diameter end of Blank #1(long tube).
2. Press center ring into other end.
3. **Blank #2 (short tube) Top** – press brass clip stud into unthreaded end of twist mechanism.
4. Press twist assembly into blank #2(short tube) from the top of the blank (small end).

#### **This should come flush with large diameter end of blank # 2 (short tube).**

5. At smaller end of blank #2, screw in finial and clip. The small end of the blank is close. Make sure to press nib into smallest end of blank #1.
6. Insert refill and spring. Screw on cap. Pen should be done.

**Helpful Hints:** Small tapered end of pen blanks are close in size, make sure nib is pressed into smallest end of the tapered pen blank.