



## EI GRANDE PEN & PENCIL INSTRUCTIONS

### Tooling:

B-Mandrel

16-B Bushing set (4 pieces)

31/64 & 33/64 Drills

### **Turning Blanks**

1. Cut wood same length as tubes; short tube – upper barrel; long tube – lower barrel.
2. Drill lower barrel (long tube) with 31/64 drill.
3. Drill upper barrel (short tube) with 33/64 drill.
4. Glue in tube, turn to desired size, and square off ends, sand and polish.
5. 2 Small O.D. Bushing –makes lower barrel
- 2 Large O.D. Bushing –makes upper barrel

### **Assembly – lower barrel**

1. Nib assembly 3 pc. – Press nib into black nib assembly. Then press this into nib holder. This all presses into one end of long finished tube. (lower barrel)
2. Press twist holder into other end of blank.

### **Cap – short barrel**

1. Slide thin center ring band over center ring and press into one end of blank.
2. Clip assembly; slide clip over threaded end of the threaded brass stud.
3. Slide clip ring on next with notch over clip and screw on finial.
4. Press this assembly into other end of blank.
5. Put refill into lower barrel and screw on twist mechanism.
6. Slide cap onto twist mechanism.