

SMITTY'S PEN WORKS

LE ROI ELEGANT ROYALE INSTRUCTIONS

LE ROI ELEGANT ROYALE REQUIRED ACCESSORIES

- 7mm Mandrel (Optional)
- Le Roi Elegant Royale Bushings
- Letter U Drill Bit or 3/8th Drill Bit (tube will be a loose fit if 3/8th is used)
- Glue of choice (two part epoxy is recommended)
- Barrel squaring and trimming tool
- Sanding and finishing supplies of choice
- Pen Press or other tool to press parts together in assembly

PREPARING THE BLANK

- Cut 3/4th to 5/8th inch square blank to tube length plus approximately 1/16th inch for squaring.
- Drill a hole lengthwise through the center of the blank
- Rough the tube slightly with 80 grit sandpaper and spread glue over the tube and insert tube into the blank (if a 3/8th drill bit was used this will be a loose fit) allow glue to dry and set completely before proceeding.
- Square the ends of the blank using a squaring tool or belt/disk sander. Take the blank material down to flush with the tube.

TURNING THE BLANK

- Arrange the blank on the mandrel (if a mandrel is used) as shown in Diagram C. 7mm slimline bushings make good spacers.
- Turn the blank down to flush with the bushings using your choice of lathe tools, gradual higher sanding grit and/or micromesh. Turners using CA as their finish material often turn the blank slightly below the bushings and build back when finishing.
- Finish with your choice of finishing material.

PEN ASSEMBLY

- Line up finished parts according to diagram A.
- Insert the TIP NUT, recessed end first, into the tip end of the barrel and press in to shoulder.
- Insert the SLEEVE into the CLIP. Press the sleeve/clip into the other end of the barrel.
- Make sure the TWIST MECHANISM operates correctly then insert the TWIST MECHANISM brass end first into the SLEEVE opening. Press in slowly until you feel it stop. This should leave approx 11/16th inch of chrome showing. Test again for proper operation.
- Place the SPRING over the tip of the PEN REFILL and insert the refill black end into the opening at the tip end then thread the TIP onto the TIP NUT.
- Place the CAP onto the exposed end of the TWIST MECHANISM.
- The pen is now complete and operates by twisting the CAP to extend or retract the writing tip of the refill.

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Diagram C - Turning the Blank

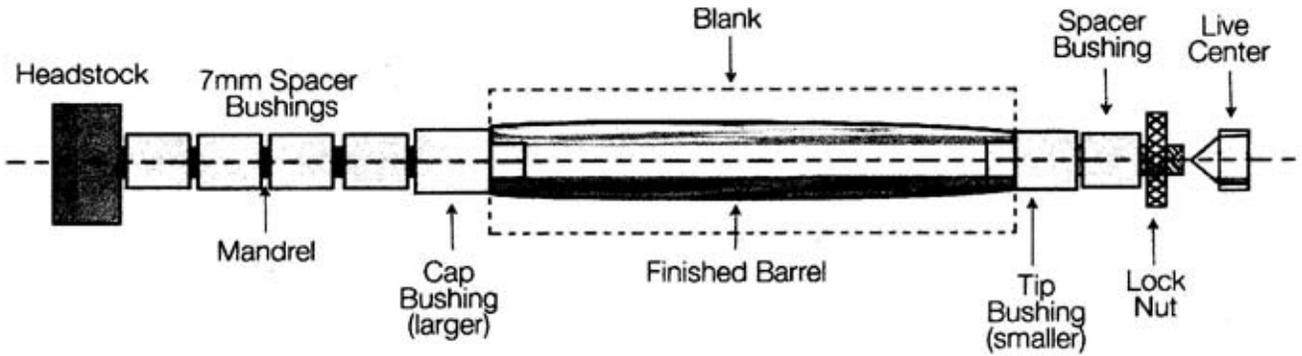


Diagram A - Pen Parts

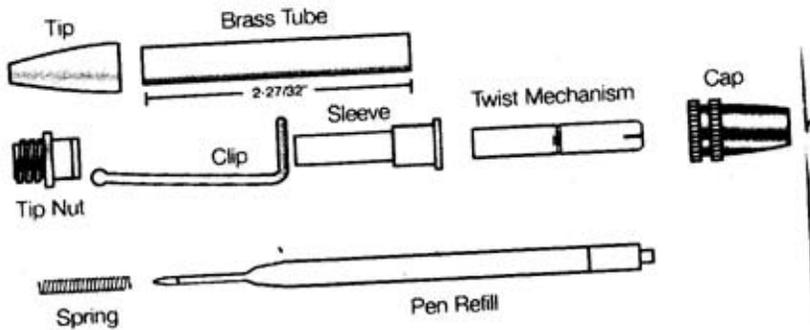


Diagram F - Bushing Set

