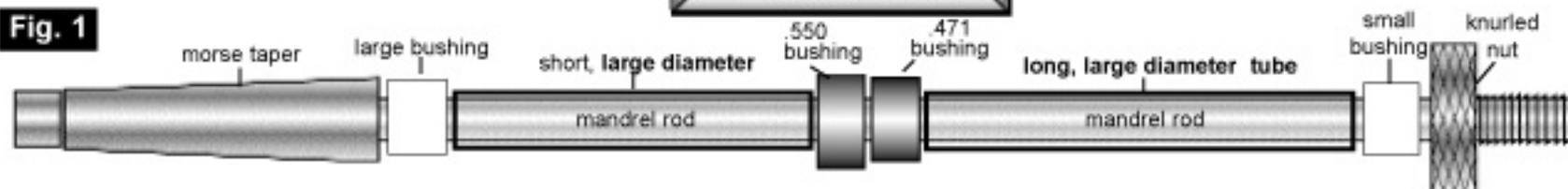


Fig. 1



Caution: You must glue the LARGER diameter tubes into blanks!

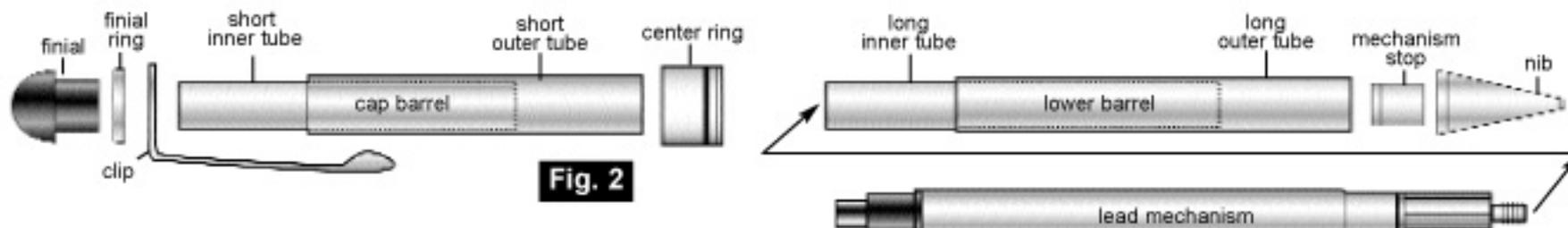


Fig. 2

Materials:

- 1) Eurostyle Twist pencil kit 548, 549, 558
- 2) Blank, minimum size: 5/8 x 5/8 x 5"
- 3) 21/64" drill bit 174
- 4) Maxi-cure Extra-thick CA 184, epoxy 189, or Polyurethane 196
- 5) 5/8" barrel facing tool 331 with pilot 334
- 6) Ameroclassic mandrel and bushing set 340
- 7) Sanding rolls, 4 pk. 1120
- 8) HUT PPP combo 109 or Crystal Coat 104

Preparation:

- 1) Mark blank using tubes as guides. Cut blank in two pieces, each approximately 1/8" longer than its respective tube.
- 2) Drill blanks with a 21/64" drill bit.
- 3) Glue large diameter (outer) tubes into blanks.
- 4) When glue is cured, square ends with barrel facing tool.
- 5) Turn on an Amero-classic mandrel with bushing set 340, which consists of 4 bushings. Arrange bushings and tubes as shown. (Fig. 1)

Turning:

- 1) Turn wood down to slightly above the sizes indicated by the 2-stage center bushing.
- 2) Using your favorite lathe tool, gently curve the outsides of the blank to meet the smaller outside bushing.
- 3) Using a parting tool, remove 3/16 of material down to brass tube on the center ring end of cap. (Fig. 3) Make sure all glue is off brass.
- 4) Sand and finish with HUT PPP combo. Finish with a two-step process; first apply PPP Satin Gloss, then PPP High Gloss.

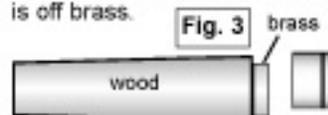


Fig. 3

Assembly 1:**Cap assembly:**

- 1) Press center ring over exposed portion (Fig. 3) of short brass tube on cap barrel, flat end first.
- 2) Using a small piece of rolled-up sand paper, remove rough edges from inside of brass tube under center ring.
- 3) Clip assembly: place finial ring on finial (note: outer edge of ring is tapered to match the finial's curve). Place clip on finial.
- 4) Press assembled finial into short inner tube and slide into top of finished cap. Press together.

Assembly 2:**Lower barrel assembly:**

- 1) Insert long inner tube into long outer tube.
- 2) Press mechanism stop into small end of lower barrel, beveled end first.
- 3) Insert lead mechanism into lower barrel.
- 4) Screw nib onto threads of lead mechanism.
- 5) Final assembly is accomplished by pushing the cap over the exposed portion of the lead mechanism. Turn cap clockwise until lead is advanced to the desired position.

7-30-04

Correct Eurostyle curvature (not to scale)
Note: Pencil uses .7mm lead.

