Fig. 1

morse taper — step bushing — short brass tube — step bushing — step bushing — long brass tube — step bushing — knurled nut

mandrel rod   mandrel rod

fill extra space w/ a spacer

** **see below**

finial with air-hole — upper barrel short tube — center ring — plastic ring — vial insert ring

Fig. 2

atomizer assembly — perfume vial — retainer spring — lower barrel long tube — finial
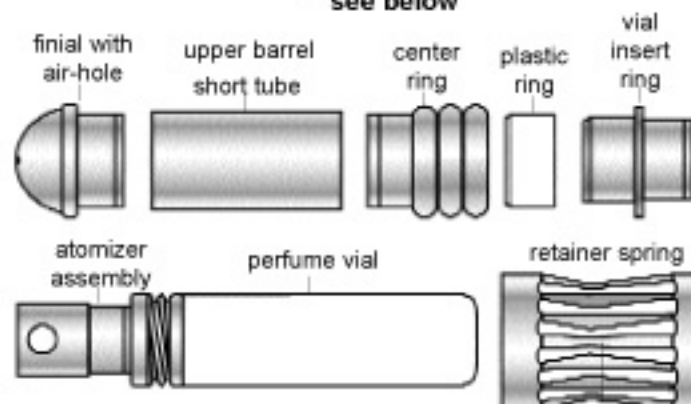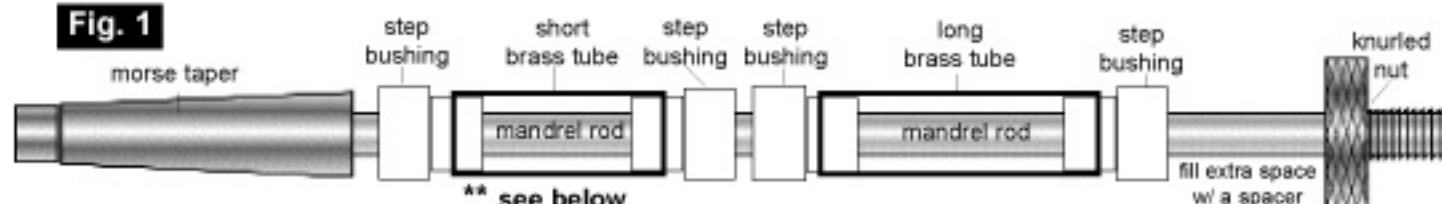
** **If step bushing 372 is used, you may turn only one blank at a time.**

Materials:

1) Purse Style Perfume Atomizer kit **570**

2) Blank, minimum size: 3/4" For easier turning use 1" x 2-3/4"

3) 9/16" bit **177**

4) Maxi-cure Extra-thick CA **184**, polyurethane **196**, or epoxy **189**

5) Barrel trimmer with 7mm pilot and a 3/4" cutter head

6) 7mm mandrel and multi-step bushing set. **372**.

7) Sanding rolls, 4 pk. **1120**

8) HUT PPP combo **109** or Hut Crystal Coat **104**

Preparation:

1) Cut blank in two pieces, each approximately 1/4" longer than its respective tube. The longer tube is designed to be the bottom section of the atomizer.

2) Drill blanks with a 9/16" drill bit.

3) Glue tubes into blanks.

4) When glue is cured, square ends with barrel facing tool. You will need to make a pilot adapter for this procedure.*

Turning:

1) Turn on a 7mm mandrel with multi-step bushing set **372**.

2) Turn both barrels at the same time so that you can visualize the whole atomizer as it takes shape. Turn blanks down to bushings at the end of the blanks. Use your own design elsewhere.

3) Sand and finish with HUT PPP combo or Hut Crystal Coat.

Assembly:

1) **Cap assembly:** Push finial with air-hole into small diameter end of upper barrel. Push center ring into other end of upper barrel. Push plastic ring, beveled end first, into center ring.

2) Push bottom finial into lower barrel.

3) Roll the retainer spring into a smaller diameter and slip narrow-banded end all the way into the open end of lower barrel (body). The retainer spring holds the perfume vial in place.

3) Push small diameter end of vial insert ring into open end of lower barrel.

4) Screw vial onto atomizer assembly and slide perfume vial into the lower barrel.

5) Place cap on body to complete your perfume atomizer.

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Making a pilot adapter: Drill and glue a 7mm tube into a hard wood blank with natural oils (Osage Orange, Colobolo, Bocote). Turn this blank down to .50 inches so it will fit inside the perfume atomizer tube. Slip this homemade pilot adapter over your 7mm pilot. A 3/4" cutter head works best. You are new ready to end trim your perfume atomizer tubes.