

MY FAVORITE TOOLS—JIGS—FIXTURES

— Flute End Blocks —

Materials Required:

- a. 2 6-32 1/8" Bolts
- b. 4 Flat Washers
- c. 4 6-32 Nuts
- d. 2 Rounded Felts Disks
- e. 2 Wooden Half-Circles (3 1/2" Diameter)

Process:

1. Draw a 3 1/2" circle on a piece of 1/4" lumber; finish as desired.
2. Drill a 1/8" hole for the bolt approximately 3/8" from the top of circle.
3. Cut two (2) squares from a 1/2" thick piece of hard felt material approximately 1" x 1".
4. Drill a 1/16" hole in the center of each felt disk.
5. Place 1 of the felt disks on one of the bolts with washers on both ends and tighten with one of the nuts very firmly so that they will remain fixed while performing the next step.
6. Place the long end of the bolt in your bench motor and turn the felt down to size by using a "cheese-grater" rasp to trim the felt disks. Adjust the turned felt to fit snugly into the tenon and socket end of a standard flute. You will be required to do this process twice. Remember you will need two sizes: one for the inside of the tube and one for the inside of the socket!
7. Install the freshly trimmed felt tightly on one of the half-circle wooden bases, using the extra nut to lock it in place.

Note: This same process may be used to fabricate end blocks for any and all of the woodwinds. You would be simply required to adjust the specifications of the height of the wood holder and the diameters of the felt disks. Good luck!

