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MAKING A BOTTLE STOPPER JIG

Start with a 2" x 3" x 3" blank.
 A smaller blank can be used to make a smaller diameter jig.
 The only important measurement is the diameter of the 15/16" tenon to which bottle stopper blank will be mounted.

Turn down to a 2 1/2" diameter cylinder.
 Turn a 2" diameter tenon, 1/4" wide on one end.
 Turn a 2" diameter tenon, 5/16" wide on the other end.

Chuck up the cylinder on the 5/16" wide tenon.
 Drill a hole 5/8" diameter x 1 1/8" deep.
 Drill a hole 3/8" completely through the cylinder.
 Remove the cylinder from the chuck.

Re-chuck the cylinder on the 1/4" wide tenon .
 Turn the 5/16" wide tenon down to 15/16" dia..
 (This is the diameter of the bottle stopper.)
 Finish as desired and remove from chuck.

Insert the 1 1/2" x 3/8" hex nut, it should protrude about 5/8".
 Glue the hex nut into the cylinder.

Materials and Sources

Hex bolt - 3/8" x 1 1/2" - Home Depot/Lowe's
 Wood blank - 2" x 3" x 3"

