

Budget Bottle Opener



Needed:

3/8" threaded mandrel 16tpi (BSMAND-38-16)

5/16" drill bit

3/8" x 16tpi tap

M10 x 1.5 tap

Please note: you will need a Jacobs chuck or drill chuck for your lathe to make this kit.

Preparing and turning the blank

1. Select a turning blank 1-1/2" x 1-1/2" x 5-1/2" long. Mark a centre mark on the end of the blank and using a 5/16 drill, drill a hole 1-1/4" deep.
2. Using a 3/8"x 16tpi drill tap, slowly and carefully tap the hole in the blank.
3. Screw the threaded end of the mandrel into this hole until the blank shoulders

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against the round stop collar.

4. Mount the shaft of the mandrel onto your lathe using a Jacobs chuck or drill chuck. Support the other end of the blank with your live tailstock centre.
5. Turn the blank to the desired shape, leaving 1/2" of waste material on the tailstock end. Sand and finish the handle blank.
6. Trim off the 1/2" waste piece on the lathe. Sand and finish the end.

Assembling the parts

1. Unscrew the mandrel from the turned blank.
2. For softwood, it is possible to thread the bottle opener into the 3/8"-16 hole. For hardwood or acrylic, re-tap the hole at M10 x 1.5.
3. Thread the opener onto the handle.

