

# Bottle Opener



## Needed:

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

5/16" drill bit

3/8" x 16tpi 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.

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3. Screw the threaded end of the mandrel into this hole until the blank shoulders 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. Thread the opener onto the handle.

