

## BOTTLE OPENER

### Instructions

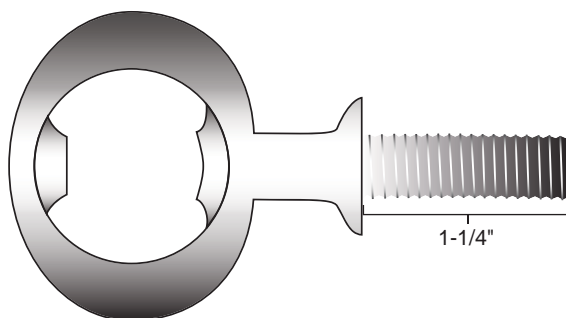
#### Kit Features

- Chrome Bottle Opener
- 3/8-16 threads, 1-1/4" long

#### Required Accessories & Materials

- Bottle stopper screw chuck kit (PK-BS1-MJ) for 1"x 8tpi lathe or chuck kit with adapter for (PK-BS1-M) for 3/4"x16tpi lathe
- 8mm drill bit (included in PK-BS1 kits above) or 11/32"
- Optional Tap Set (BSTAPSET - with 3/8" x 1/16 tpi thread)
- Glue (Epoxy)
- Sanding and finishing supplies
- Blank size: Approximately 1" x 1" x 2-1/2-4" long

Diagram A - Parts and Assembly



#### BLANK PREPARATION

The blank size will vary based on the profile of your design. Generally, the size of your wood or acrylic blank should be 1" x 1" x 2-1/2-4" long. Mark the center of the blank on the end. Using a medium drill speed, drill a 8mm diameter hole 1-3/8" deep. Raise the bit from the wood every 1/4" to 1/2" to allow the chips to clear from the flutes of the drill bit. Don't force the drill bit; use an even pressure and let the bit do the work.

**OPTIONAL USE OF A TAP SET:** Instead of drilling a 8mm hole, drill a 5/16" hole and tap a 3/8" x 1/16 tpi thread.

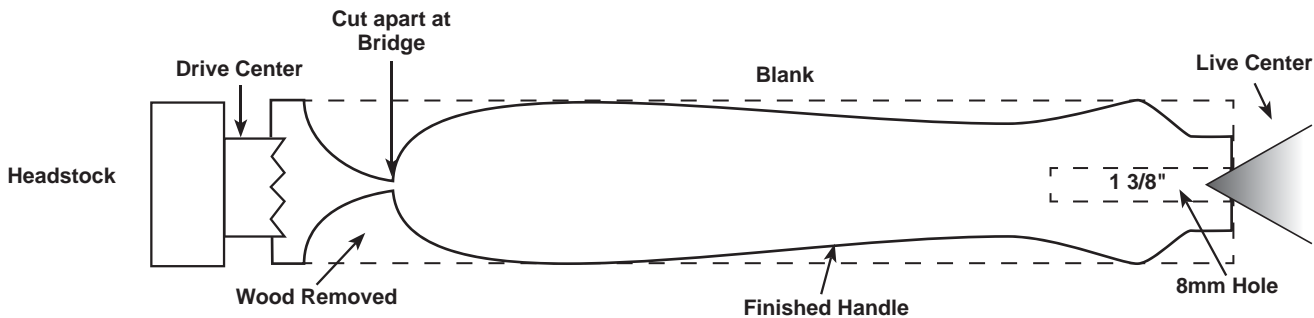
#### TURNING THE BOTTLE OPENER

**Set up** the blank between centers as shown in Diagram B. **Turn** the blank to your own profile design. **Sand** with abrasives and finish with your choice of polish.

#### ASSEMBLY

WoodTurningz recommends using Epoxy when assembling the bottle opener. Spread epoxy over the threads of the stopper. Be sure not to get any epoxy on the bottle opener. Screw the piece onto the stopper to secure. When dry, the bottle opener is ready to use.

Diagram B - Turning the Handle



## BOTTLE OPENER

Instructions (using a chuck)

Diagram A - Parts and Assembly

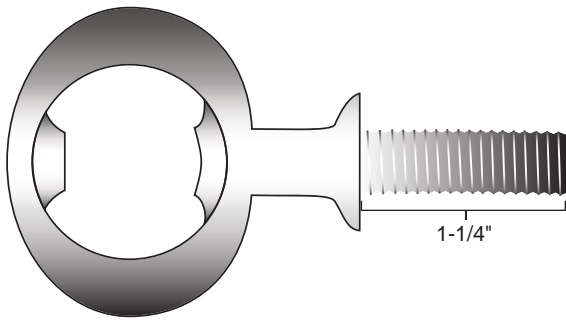
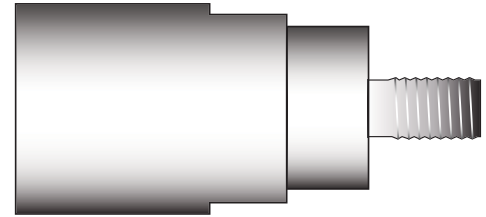


Diagram B - Lathe Chuck



### BLANK PREPARATION

The blank size will vary based on the profile of your design. Generally, the size of your wood or acrylic blank should be 1" x 1" x 2-1/2-4" long. Mark the center of the blank on the end. Using a medium drill speed, drill a 8mm diameter hole 1-3/8" deep. Raise the bit from the wood every 1/4" to 1/2" to allow the chips to clear from the flutes of the drill bit. Don't force the drill bit; use an even pressure and let the bit do the work.

**OPTIONAL USE OF A TAP SET:** Instead of drilling a 8mm hole, drill a 5/16" hole and tap a 3/8" x 1/16 tpi thread.

### TURNING THE BOTTLE OPENER

**Set up** the mandrel as shown in Diagram C. Screw the wood or acrylic blank onto the chuck's threaded end into the hole you drilled. You can use a wrench on the flats milled into the chuck to tighten. Mount the screw chuck onto your lathe. Now secure the blank by engaging the tailstock live center for support. Your

blank is now ready to turn. Once you have rounded the blank to remove the edges, the tailstock can be removed from the lathe while you continue turning.

**Turn** the blank to your own profile design. The bottom diameter at the base of the piece may be less than the chuck diameter, so measure the top of the bottle opener to match the opener's outside diameter to be turned. Sand with abrasives and finish with your choice of polish.

### ASSEMBLY

WoodTurningz recommends using Epoxy when assembling the bottle opener. Spread epoxy over the threads of the stopper. Be sure not to get any epoxy on the bottle opener. Screw the piece onto the stopper to secure. When dry, the bottle opener is ready to use.

Diagram C - Turning the Handle

