

## Bottle Opener Instructions

# Steve's Woodcraft

### Required Accessories

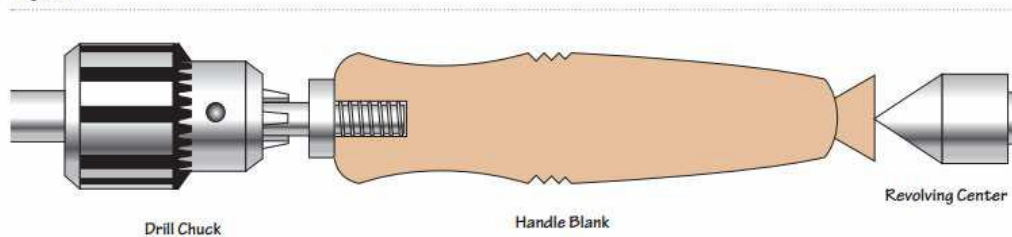
- 3/8" Mandrel or Bottle Stopper Mandrel
- 11/32" Drill Bit
- 3/8" Tap
- Glue
- 3.75cm\*3.75cm\*13.75cm (minimum) blank



### Preparing the Blank

1. Your blank should be a minimum of 3.75cm square and 13.75cm long. Make sure the ends are squared to the side of the blank.
2. Mark the centre of one end of the blank and drill a 11/32" diameter hole about 3.5cm deep in the end of the blank. Make sure the drill bit is properly positioned at 90 degrees to the end of the blank prior to drilling so that the blank sits flat against the mandrel face.
3. Clamp the blank securely in a bench vise. Using 3/8" drill tap in a variable speed drill, tap the hole in the blank. Go slowly.

Figure 1



### Turning the Blank

1. Mount the mandrel in a drill chuck mounted in the headstock of the lathe. Screw the blank onto the threaded portion of the mandrel until it seats firmly. Secure a revolving centre against the opposite end of the blank for support while turning.
2. Turn the blank to your chosen profile with the revolving centre supporting the work piece. Sand and finish the handle. Remove the revolving centre and gently turn away the nub left by the revolving centre. Sand and finish.

### Assembly

1. Remove the finished handle from the mandrel.
2. Spread glue over the extended thread of the bottle opener and thread into the handle.
3. When dry, the bottle opener is ready to use.