Berea Hardwoods Co., Inc.
Kit Instructions

Screwdriver (Berea #1103N-1)

Needed: Mandrel-None Needed
        Bushings-None Needed
        Drill Bits-5/8" and 7/16"
        Wood Size- 2½" x 2½" x 5"

Preparing the Material Blanks

1. Cut the material blank 2 ½" x 2 ½" x 5" long.
2. Mark the center on each end by drawing a line from corner to corner on the end of the blank. Where the lines cross, the center of the X, is the center of the blank.
3. Drill a 5/8" hole into one end of the blank. 1-1/16" deep. The easiest way to do this is to mark the drill bit with tape up 1-1/16" from the flat of the bit, not the tip.
4. Now, using the center of the 5/8" hole as a guide, drill a 7/16" hole to a total depth of 3-3/4".
5. Seat a 4 prong spur center in the other end at the center of the X.
6. Place the blank in your lathe and, using a large live center, tighten the tailstock.

Turning the Blank

1. Turn the blank to the desired contour.
2. After turning the blank, sand the surface in progressive steps until you get to 400 or 500 grit.
3. If a higher polish finish is desired continue sanding with Micro Mesh through 12000 grit.
4. Apply the finish of your choice and polish.
5. Part off the blank with a sharp parting tool.
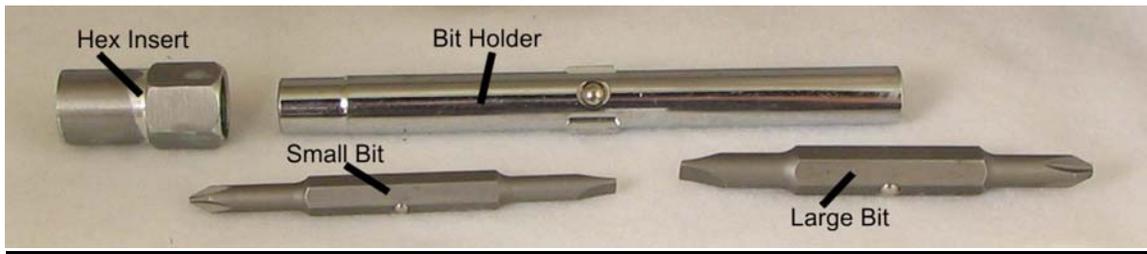
Assembling the Kit

1. Using epoxy glue, glue the hex insert into the 5/8" drilled hole. The round end of the hex insert goes in the hole first. Be careful not to get glue inside the insert and to fill the void that the hex leaves inside the round hole. You might want to use a cotton swab or other tool to clean the glue from the inside of the insert.
2. I also, gently, pushed the bit holder into the glued up handle to make sure that all the epoxy was clear.
3. Set this aside until the epoxy is set hard.
4. Now just insert the bits into the bit holder and insert this assembly into the handle.

Enjoy using your new screwdriver!

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