

Berea Hardwoods Co., Inc.  
Kit Instructions

## **Berea Hardwoods Jar Opener (Berea #1507JLO-1)**

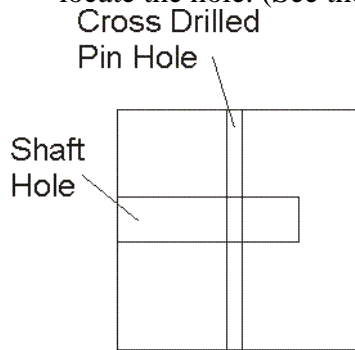


Needed: Mandrel-None Needed  
Bushings-None Needed  
Drill-5/16" and 5mm  
Wood Size- 3/4" x 3/4"

### **Preparing the Material Blank**

1. Cut the material blank according to the length you want your handle. I cut mine 7" long. That made the final handle about 5".
2. Drill an 5/16" size hole perpendicular to the blank in the center of the blank. This hole should be about 2/3rds of the way through the blank. Do not drill through the blank. This hole will be a very tight fit on the shaft of the opener. It needs to be that way.
3. Now, on an adjacent side locate the point for the cross drilled through hole. This is aligned with the 5/16" hole just drilled and centered on the blank. Drill this cross hole with a 5mm bit. It will accept the pins to capture the opener. There are

many ways to calculate the position of this hole from simply holding the opener shaft in the appropriate place and marking the hole to measuring carefully to locate the hole. (See the diagram below)



End View of Blank

4. Drill the cross drilled hole all the way through using a 5mm bit.

### **Turning the Blank**

1. Place the blank in a chuck, or between centers, with the holes you drilled being oriented to the tailstock end.
2. Tighten the tailstock and the chuck.
3. Turn the blank to the desired contour. As you can see I did a simple handle, but you can get as fancy as you want.
4. After turning the blank, sand the surface in progressive steps until you get to 400 or 500 grit.
5. If a higher polish finish is desired continue sanding with Micro Mesh through 12000 grit.
6. Apply the finish of your choice and polish.
7. Remove the blank from the mandrel.

### **Assembling the Kit**

1. Push the shaft of the opener into the large hole you drilled.
2. Align the cross drilled hole in the blank with the cross hole in the shaft.
3. Test fit the large pin into the hole to be sure all is lined up properly. It should seat in all the way with nothing protruding from the other side. If there is some sticking out it can be cut or ground to an appropriate length.
4. Now slide the small pin in from the other side. It should also fit flush. If not the same trimming action can be used on it as well.
5. Once you are satisfied with the fit of the pins, remove both of them without changing the orientation of the shaft.
6. Mix a small amount of epoxy and place a small amount into the hole where the larger of the 2 pins will go.
7. Slide the large pin into place.
8. Now slide the smaller pin in place on the other side.
9. The small pin may want to creep back out due to air trapped inside the large pin. I placed a small clamp on them to keep them in place until the epoxy was set hard.
10. Your days of struggling with a tight jar lid are over.

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