

Bowl from a board

Prepare Stock:

Use two boards, whose length is twice their width, or take a square board and cut it in $\frac{1}{2}$ parallel to the grain. Make sure the boards are perfectly flat and have jointed edges. Lay the boards together with a clamp creating a square. Locate the center of the clamped together boards. This will be the upper side of the bowl.

Design Bowl:

For a 5 ring bowl, draw a 5 layer stack as shown below. Each layer should be exactly the thickness of the board. Draw a line from the top ring to the bottom ring. The intersection of the top ring and the line drawn will be the diameter of the top of the bowl and bottom intersection will be the base diameter. See figure 1

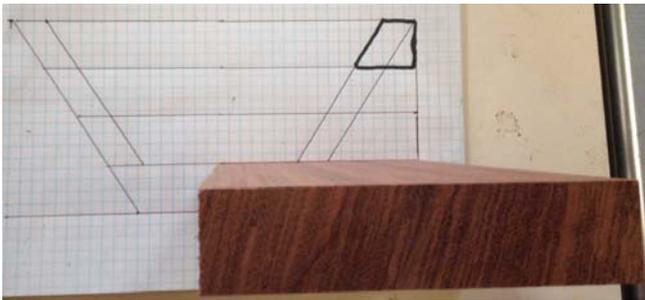


Figure 1

Place a compass to the radius of the bottom ring, then draw a circle on your square board from the center mark, draw a circle for each ring on the board, see figure 2. Next set angle of bowl side, see figure 3 and transfer angle to band saw, see figure 4

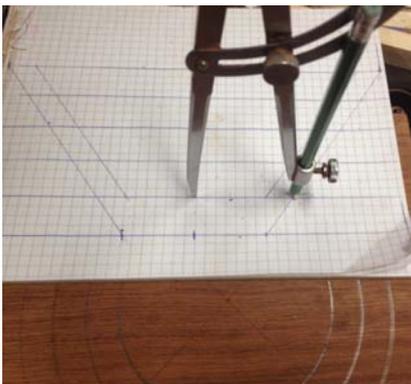


Figure 2



Figure 3



Figure 4

Cutting the Rings:

Cut out each ring on the band saw, see Figure 5. Sand each 1/2 ring, see figure 7.



Figure 5



Figure 6



Figure 7

Glue Rings:

Glue 1/2 rings together and lie on flat surface, see figure 8



Figure 8

Prepare and Stack Rings:

Glue ring 1 on to waste block, repeat for all rings, see figures 9, and 10.



Figure 9



Figure 10