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Designed by Steve Good



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Note to commercial print employees: I give my permission to print as many of this pattern book as your customer requires.

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General Pattern Information

You may use this pattern to make as many of the project as you like. You are free to use any technique including mass production to build the project. The pattern may be copied and given to others provided the entire book is kept intact. You may not sell the pattern or include it in another commercial package of any type.

Steve Good retains the right to the pattern. If you have any questions about the use of this pattern please contact me at steve@stevedgood.com

When printing this pattern it is important to print it full size. When you bring up the print dialog box look in the “Page Sizing & Handling” section. Make sure the “Actual Size” is selected before you hit print.

You also only need to print the page/s you need. After the print dialog opens look for the “Pages to Print” section. You can print the current page or a range of pages. This will help save ink by not printing the title/instruction pages.

Printing Instructions



Segmented Bowl



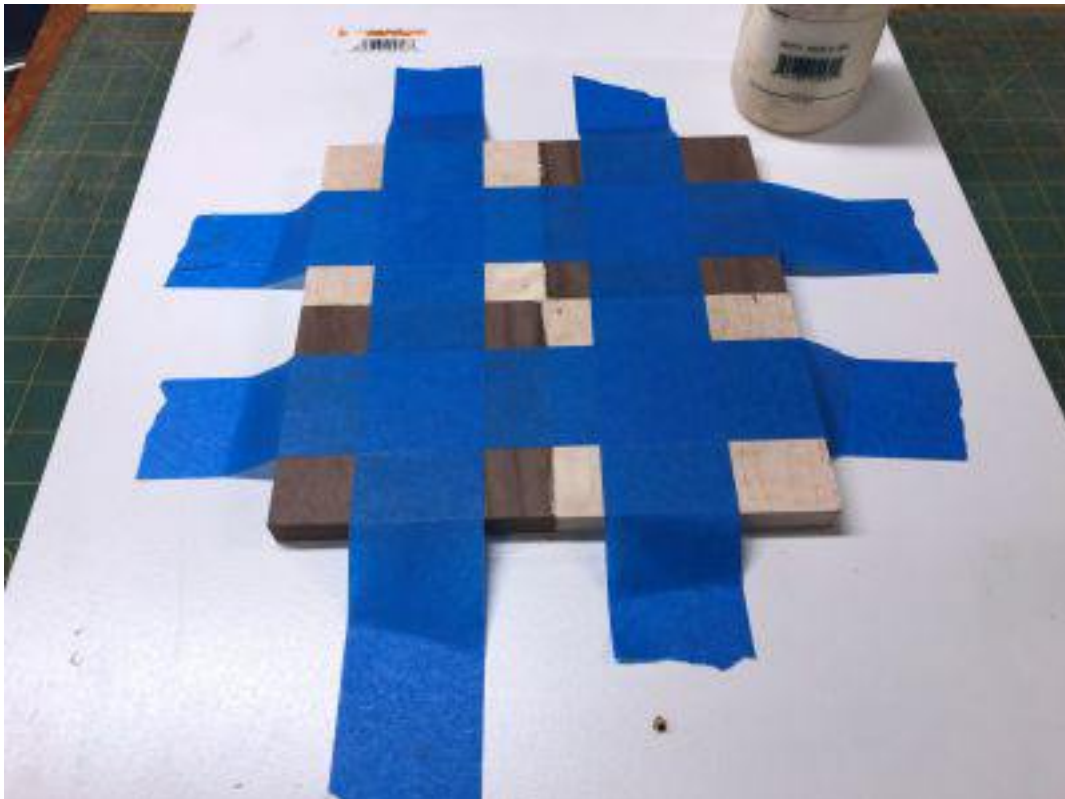




Cut four 4" X 4" X 1/2" boards.

Glue up the boards in a checkerboard pattern.

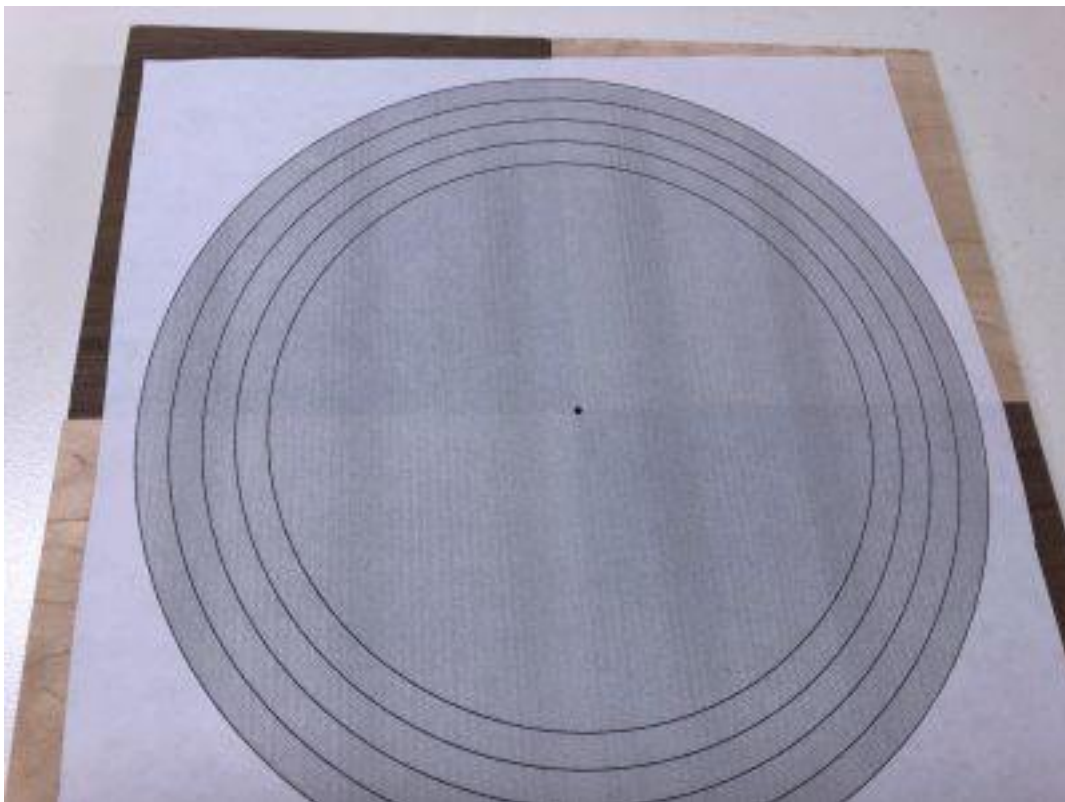
I used blue painters tape as a simple clamp as the glue dried.

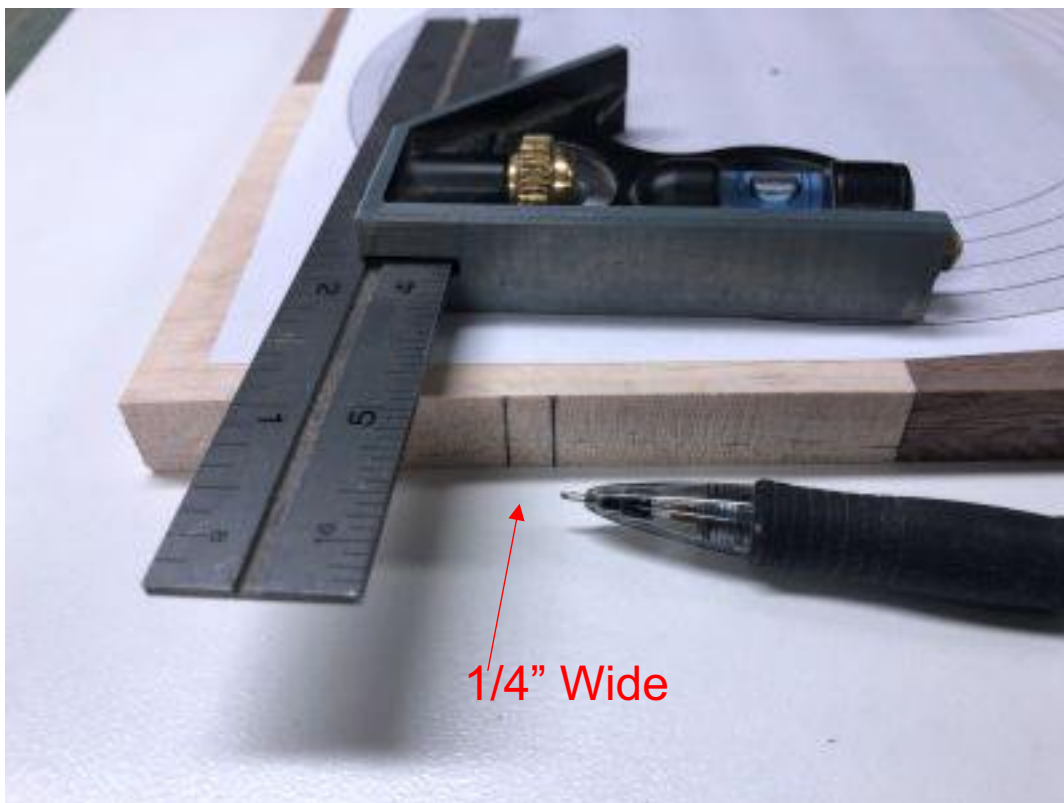




Sand both sides flat. Get rid of any glue squeeze out.

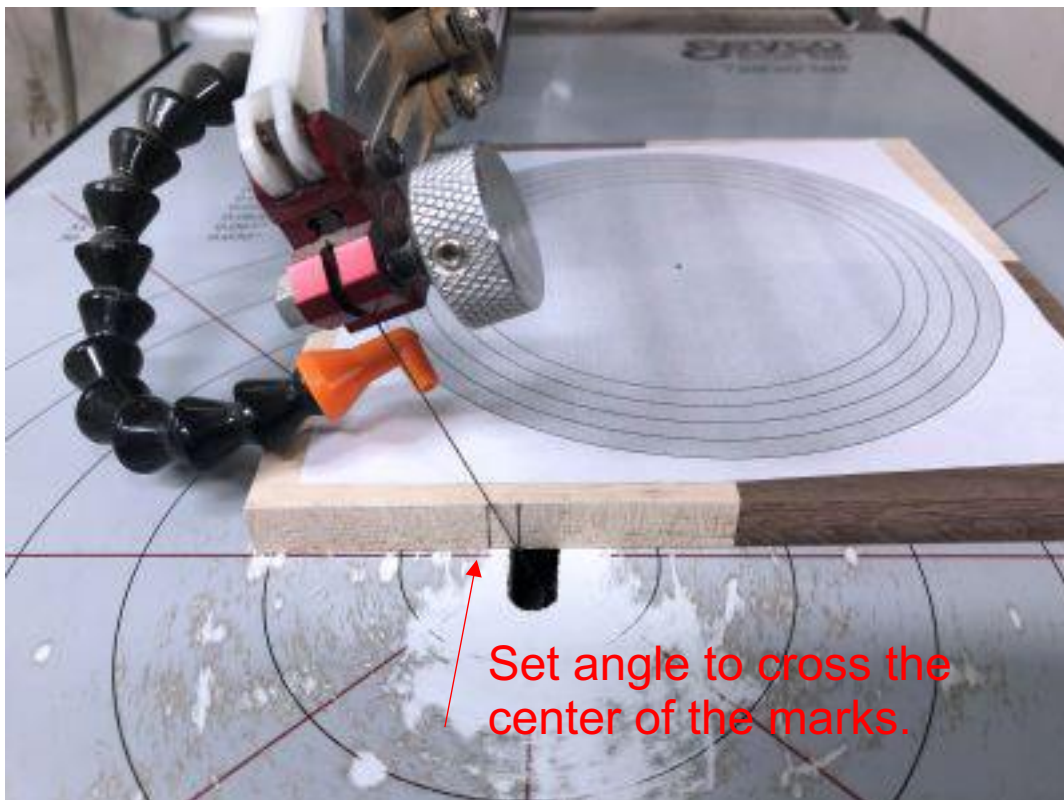
Apply the pattern with the center dot in the center of the board. Look closely and you can see the board through the paper. If you can't see the board then use a nail to poke a hole in the center of the pattern.

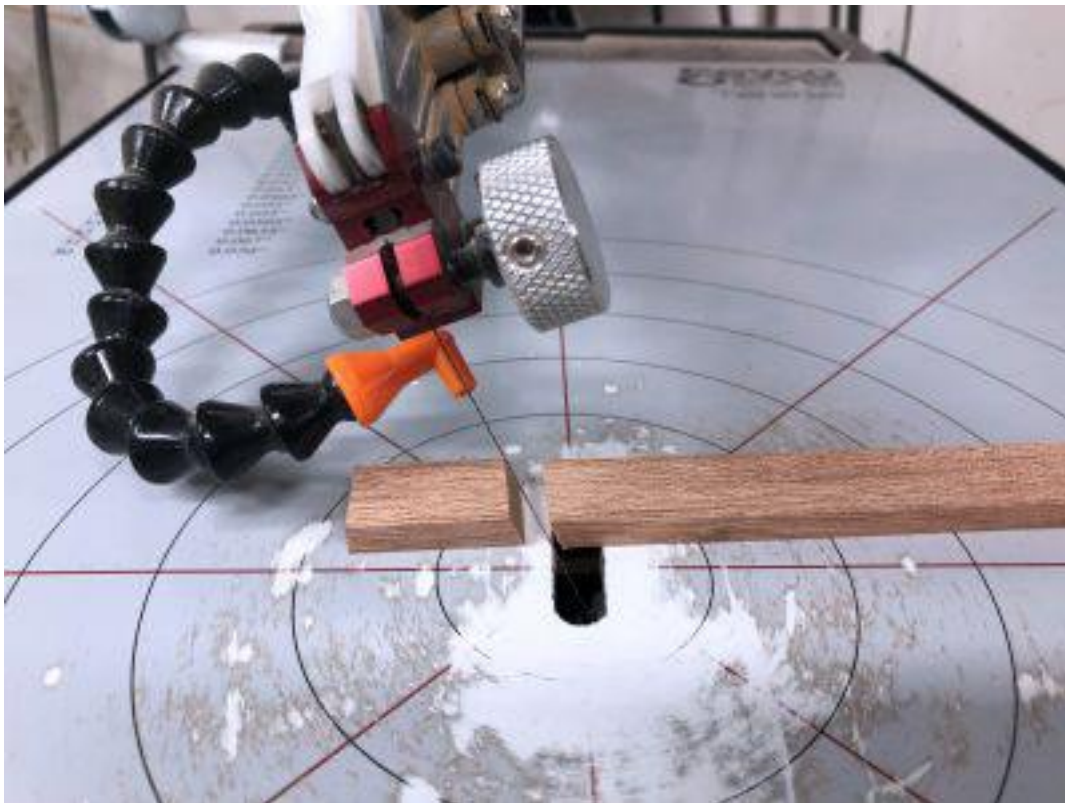




We need to know the angle to set the saw blade to cut the concentric rings. The thickness of the bowl walls is 1/4". We will use that measurement to draw two lines on the edge of our board.

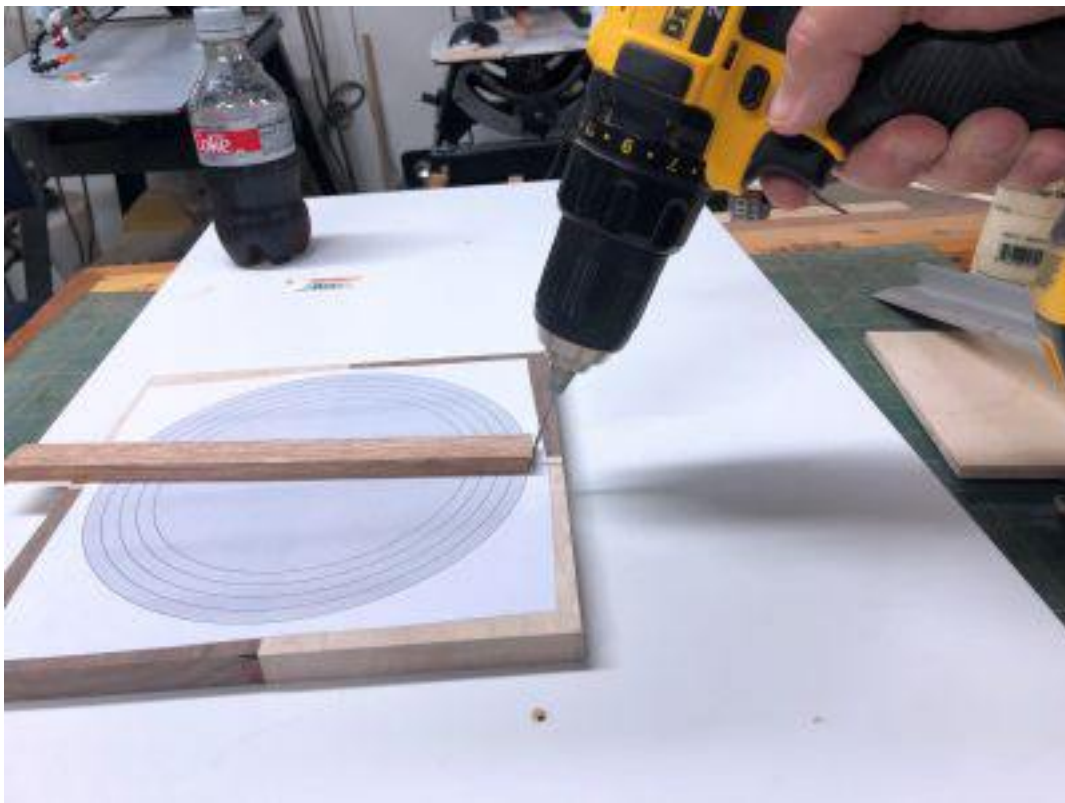
Place the board behind the blade and set the angle so the blade crosses the center of the marks. This sets the angle.





We need to drill the starter holes at the same angle that we just set the blade. Cut a story stick using the angle we just set.

Hold the drill at the angle using the story stick as a guide. Carefully drill the hole. Be as accurate as possible. The closer you get the less sanding you will have later.





Start from the interior and carefully cut each circle.
The more accurate you cut these circles the less
sanding you will have.

We will stagger the rings in the pattern below.

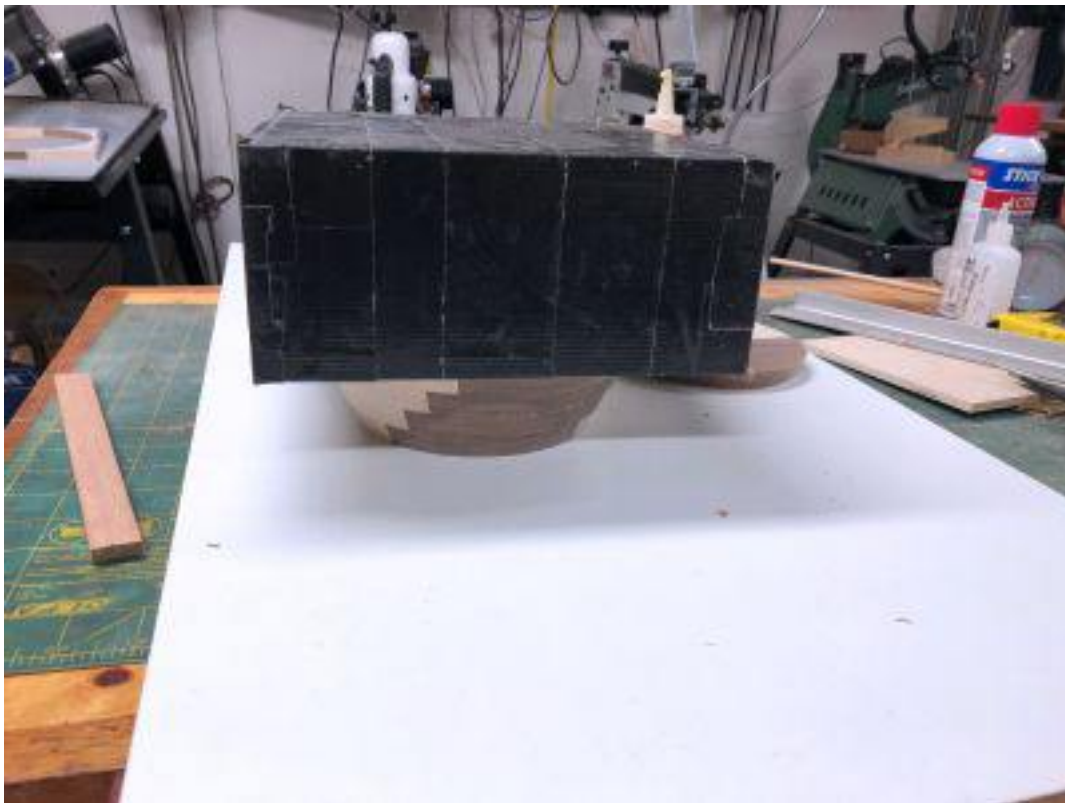




We will do our primary sanding with the bottom not glued on.

Glue the rings together in the show pattern. You don't need a lot of glue but get a nice even coat.





Place a heavy weight on the rings as a clamp. Let the glue dry for at least an hour.

We need to sand the inside and outside of the rings as flush as possible. I use large and small drum sanders. Below I am sanding the outside with a large sanding drum.





I have a small drum sander for the interior. Use what ever you have available. Hand sanding will be a long journey. You really need power sander for this job.

Now it's time to glue on the bottom. Make sure it lines up with the pattern of the rings.





Back to the sander to flush up the bottom.

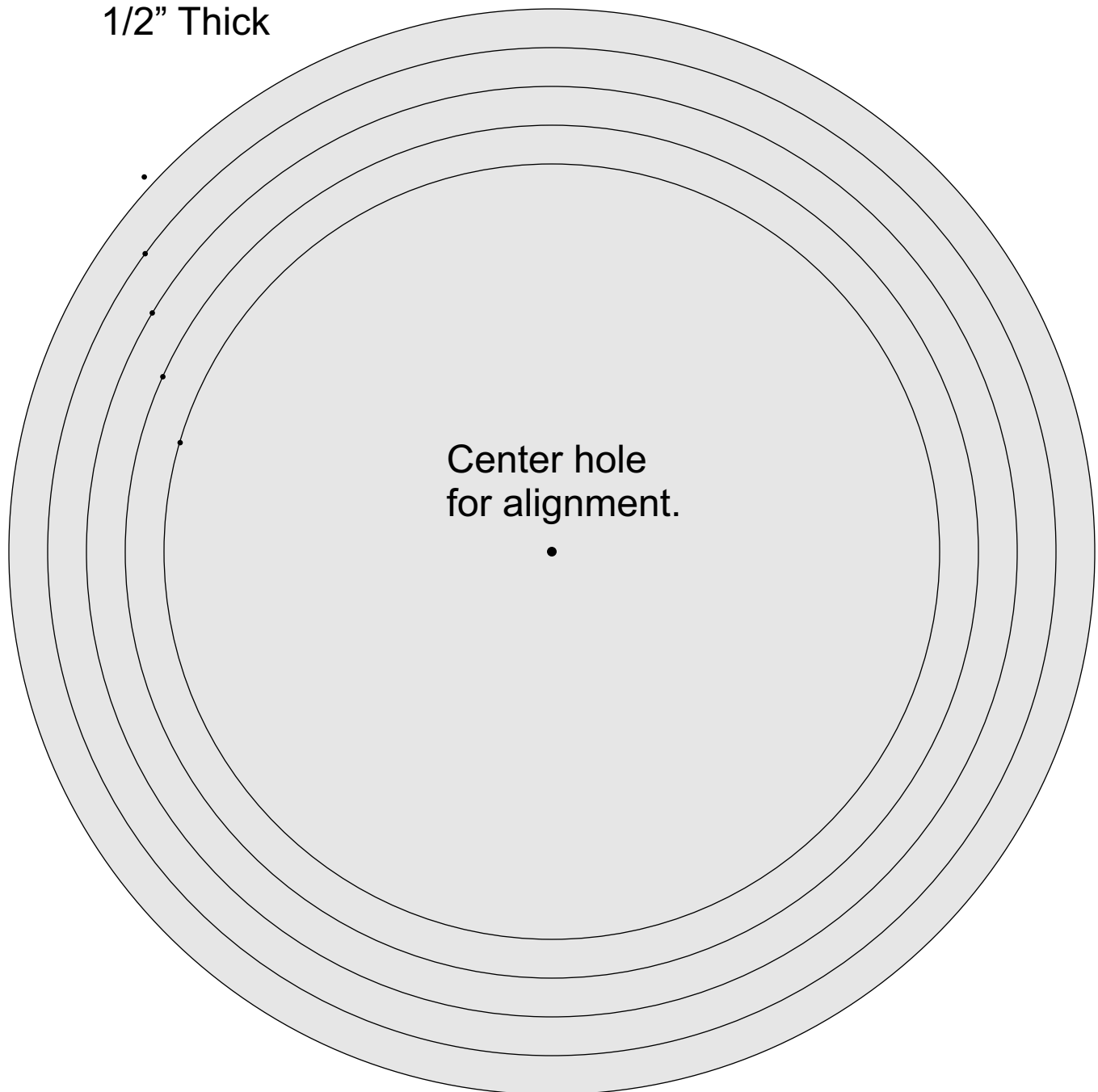
You can see in the picture below that I removes almost half the thickness of the walls from sanding. This is why you need to cut and drill accurately. If you are off too far you will sand through the walls before you get them flush.





I used several light coats of spray acrylic. I used 000 steel wool between coats to get a smooth finish.

1/2" Thick



Center hole
for alignment.