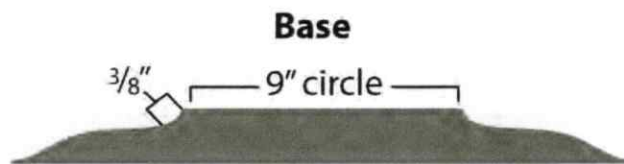


II. Turning the Foot and Base of the 9" Multi-axis Platter

1. Draw a 4 1/2" radius circle on the base. This will be the 9" circle around the foot of the platter.
2. Turn the shape of the rest of the base of the platter from the 9" circle to the edge of the blank. I like to create a slight ogee near the edge of the blank, leaving the 9" circle 3/8" proud of the base.

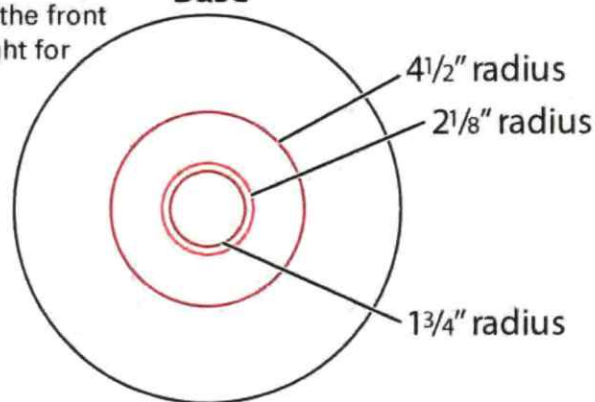
NOTE: On platters larger than 11", I turn and detail the rim on the front of the platter while it is still mounted on the woodworm screw. If the back of the platter is completed before the rim is completed, the resulting thinness of the rim makes it difficult to detail it.



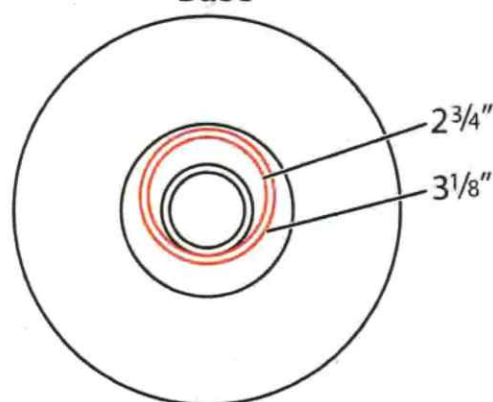
III. Turning the Base of the 9" Multi-axis Platter

1. Draw a 2 1/8" radius circle and a 1 3/4" radius circle on the base.
2. Turn a channel 1/4" deep between the 2 1/8" radius and 1 3/4" radius circles. This will be used for expansion chucking the blank when turning the front of the platter. It is important that the sides of the recess are straight for expansion chucking if using straight jaws or dovetailed if using dovetail jaws.
3. Remount the platter blank in hole #1 on the front of the platter.
4. With a live center in the tailstock, bring it up to mark a new center on the base.
5. Draw 2 3/4" radius and 3 1/8" radius circles around this new center.
6. Turn a channel 1/4" deep between these circles.
7. The new channel should coincide with the first channel where they overlap.
8. Repeat steps 4-7 with holes #2 and #3.
9. Remount the blank in the primary center hole
10. Take a light cut slanted from the edge of the foot to the center so that the platter will be sitting only on the outer edge of the foot.
11. Turn the center channel down an additional 1/8" for more secure expansion chucking.
12. Refine the shape of the platter base.
13. Sand the recess, foot and base of the platter to 320 grit.

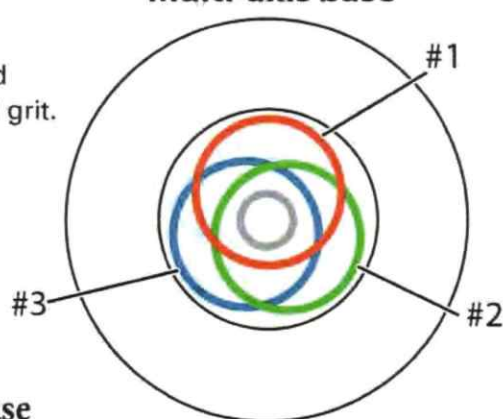
Base



Base



Multi-axis base



Detailing the Platter Base

At this point, I detail the foot, base, and recess of the platter. See the above section (page 4) on detailing the platter base. I sometimes texture the multi-axis base itself by rechecking it in the holes 1, 2 and 3 on the front of the platter. I use a texturing tool to texture each of the three channels.

1. After completing the texturing, carefully finish sanding with 400 to 600 grit.
2. Remove the blank from the lathe.
3. Remove the wood worm screw from the blank.
4. Remount the blank on the lathe by expanding the chuck jaws into the recess to turn the front of the platter.
5. You are now ready to turn the front of the platter