

Egg Box Directions

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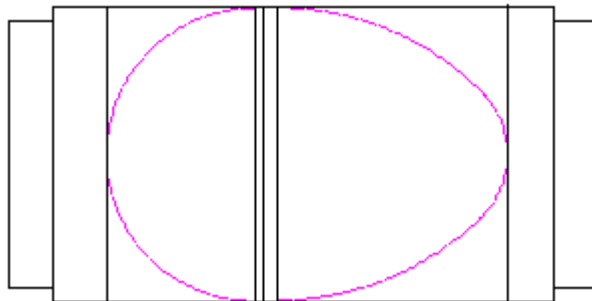


Start with blank that is 2.5" square by 5" long. The wood chosen should be kiln dried. If it isn't then you will need to rough out the shapes and allow the pieces to dry, and then re-turn to the final shape.

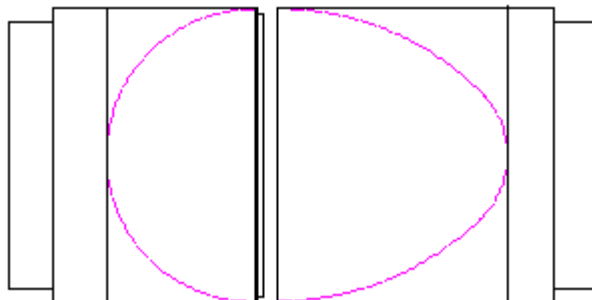


If you have a costly blank, you can use a blank that is only 3" long and glue a 1" long waste block to each end.

Put the blank between centers and turn down to a cylinder. Make sure the size of the cylinder matches the template. Put a tenon on both ends to fit your chuck.



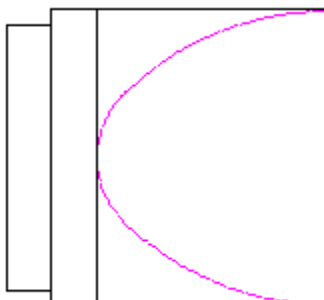
Mark the egg end points and parting cuts using the template.

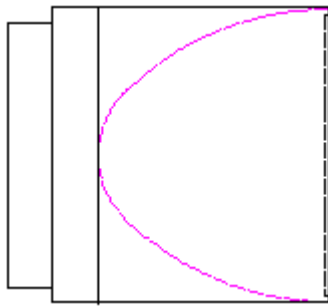


Make a 1/32" tenon on the headstock side. Finally part the piece into two sections just to the right side of the 1/32" tenon.

You now have two sections of the egg, the cone section which is the pointier end, and the half-sphere section which is exactly that, one half of a sphere that has the 1/32" tenon on it.

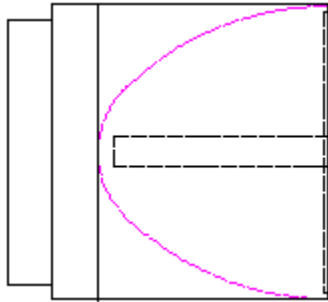
Place the cone section into the chuck.



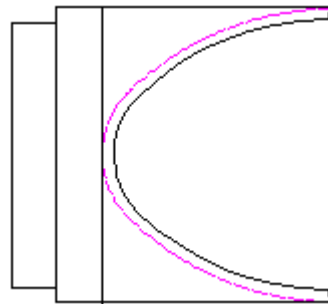


Cut a rabbet in the cone section to accept the 1/32" tenon on the half sphere section.

Check the fit of the half sphere to the cone section.

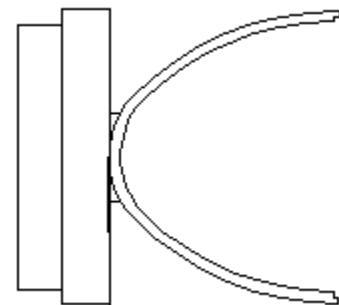


Drill a hole into the cone section to mark the bottom depth to hollow to.

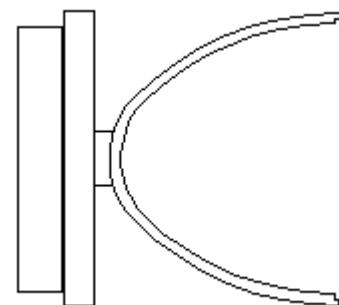


Hollow the center of the cone, using the interior cavity template as a guide. It's very important to get the cavity to match the template, as it will dictate your exterior shape.

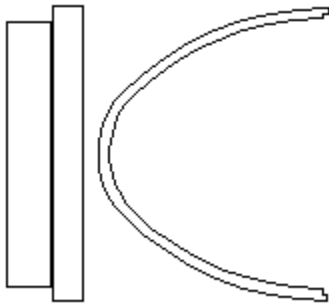
Sand inside of cone to finish, do not sand the rabbet.



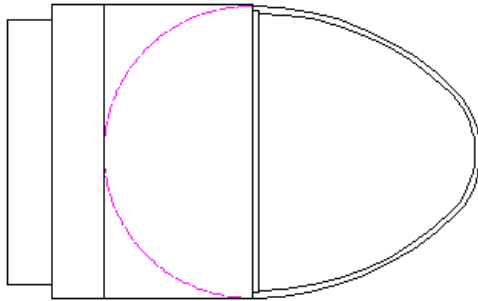
Shape the outside, checking with calipers to maintain consistent thickness. The thickness at the start is your target thickness, maintain this same thickness all the way to the bottom.



Continue shaping from the tail stock end to the head stock end until you get down to only a small nub holding the piece on.



Use a hand saw to free the cone from the nub. Don't risk parting it off as you may tear out some fibers from your egg.

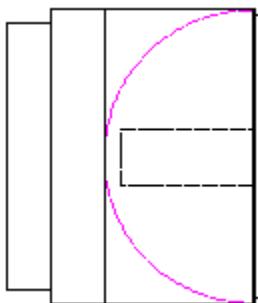


Place the half-sphere section into the chuck.

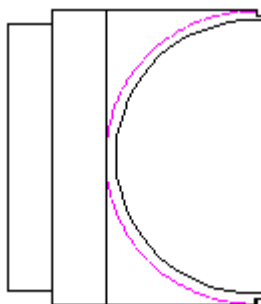
Fit the cone section onto the half-sphere. If the fit is too tight, sand the tenon, if the fit is too loose, then wrap packing tape or masking tape around the joint to hold it on. The finished product should not have a lid that is difficult to remove, since the shape of the egg gives no good leverage for opening. The lid should slide on and off with just the slightest hint of a suction fit.

Finish the bottom, removing the small nub left earlier.

Sand the end part of the cone section to completion. Don't sand around the joint, we'll do that later.

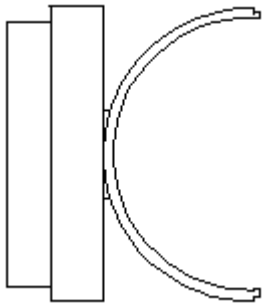


Remove the cone and set aside. Drill a hole in the half-sphere to mark the bottom depth to hollow to.

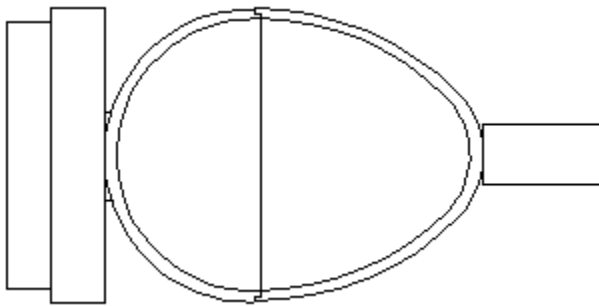


Hollow the center of the half-sphere using template as a guide.

Sand inside of half-sphere to finish, do not sand the tenon.

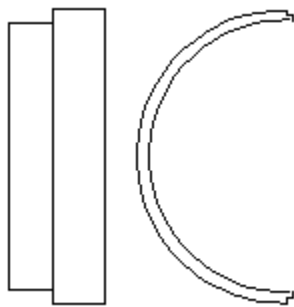


Shape the outside of the half-sphere in the same manner you did with the cone section. Stop when you have about a 3/8" nub.

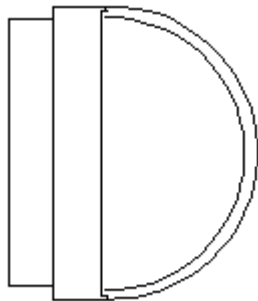


Bring up the tail center with no point, using a piece of carpet pad or cloth as a buffer. Once the egg is supported between centers, remove the tape holding the pieces together.

Sand the entire egg to completion, refining your shape if required.



Remove the cone and use a hand saw to free the half-sphere from the nub.



With the remaining waste in the chuck, make a jamb chuck to fit the half sphere section onto. To make it easier to remove the piece, drill a hole through the waste block.

Remove the nub and sand the bottom completely.

To remove the top, remove the jamb chuck and blow compressed air into the hole. Or tap the eraser end of a pencil into the hole.