

Designing the Canopy

- Use the thin bowl (3/32" wall thickness) for parasol's canopy
- Place the bowl on a jam chuck with the point of the cone center in the 3/16" hole.
- Put a flat rest into the banjo, making sure your pencil is in line with the tail stock's center.
- Determine your piercing pattern and the number of ribs required for support.
- Use the indexing wheel, choose the correct divisor to pencil in the ribs onto the canopy.
- For the scallops, pencil in a ring on the rim of the canopy to give a guideline for the top of the scallops.
- Draw another ring to use as the boundary for the piercing on the top of the canopy.
- Use painter's tape strips to cover each rib line.
- Pencil in the curves of the scallops using the painter taped ribs as the boundaries and the line drawn earlier for the height.



Piercing the Canopy

I use the Presto II Pneumatic Piercing Tool. The correct air pressure being 28-32 psi, which is 320,000 rpm. I pierce using a #699 dental burr.

- Pierce each hole going clockwise and then counterclockwise to remove any charred edges.
- Think about your design as you pierce. Make sure you are leaving uniform spacing between holes. The holes should also follow a pattern in size, being all the same or following a design.
- Your handpiece should always be perpendicular when piercing to maintain proper thickness and consistency in your pattern.
- It is usually necessary to complete the task in more than one session as piercing requires concentration and tool control.
- Once the piercing is complete, lightly sand to remove any remaining pencil marks.



Turning the Handle

- The handle includes the shaft, the handpiece and the finial on top.
- The handle is turned between centers in order to turn a tenon for the chuck.
- Place the tenon in chuck with live center attached.
- Turn the shaft and handpiece, as one piece, to your desired length and thickness leaving a 3/8" long X 3/16" diameter tenon on the tail stock end.
- The tenon will fit into the hole of the canopy and finial on top.
- The finial should be turned as you desire. A 3/16" hole must be drilled in the end to attach the finial to the shaft.



Finishing

- The parasol is complete with the canopy and handle attached.
- Wood glue can be used and oil of your choice. Sanding should have been completed prior to assembly.

