

Therming



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Off Center Turning

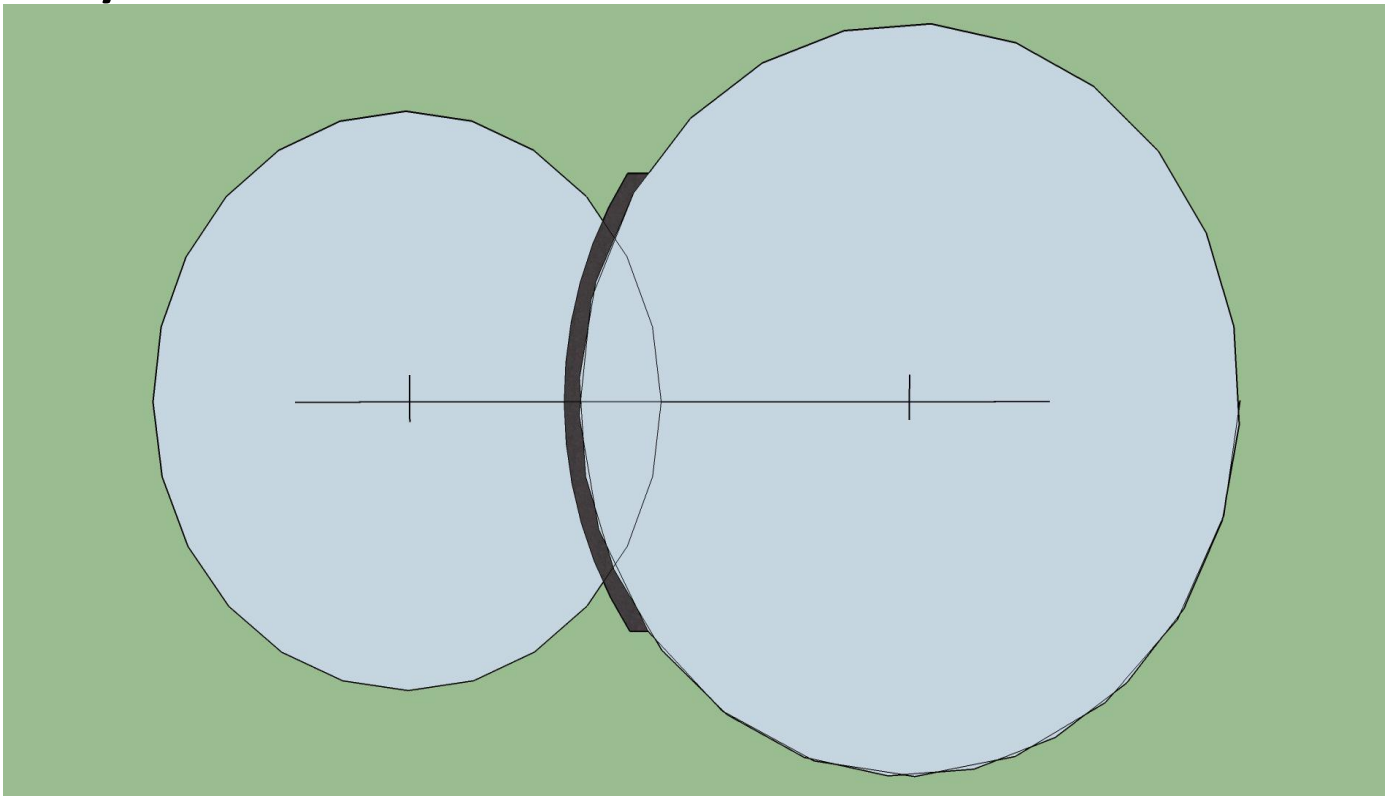
- Multi Axis Turning
 - Workpiece axis of turning is within the workpiece
- Thermoforming
 - Workpiece axis of turning is outside of the workpiece
 - AKA:
 - Barrel Turning
 - Angular turning
 - Facet Turning

Therming

- “Positive” Therming
 - The outside of workpiece when mounted in jig
- “Negative” Therming
 - The inside of workpiece when mounted in jig

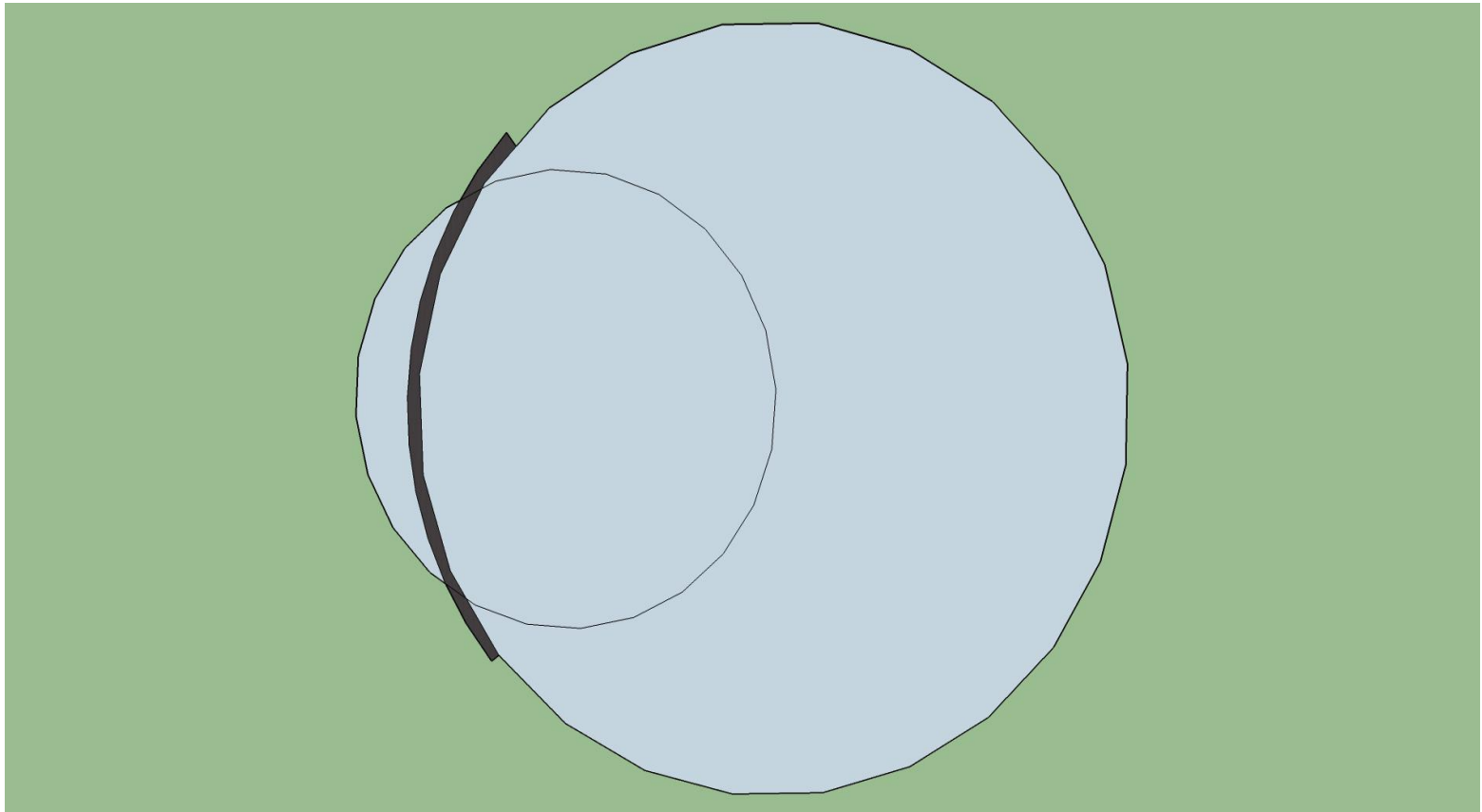
Inside Thermoforming (Facet Turning)

- Center of object being turned falls outside the radius of the turned surface
- Always concave

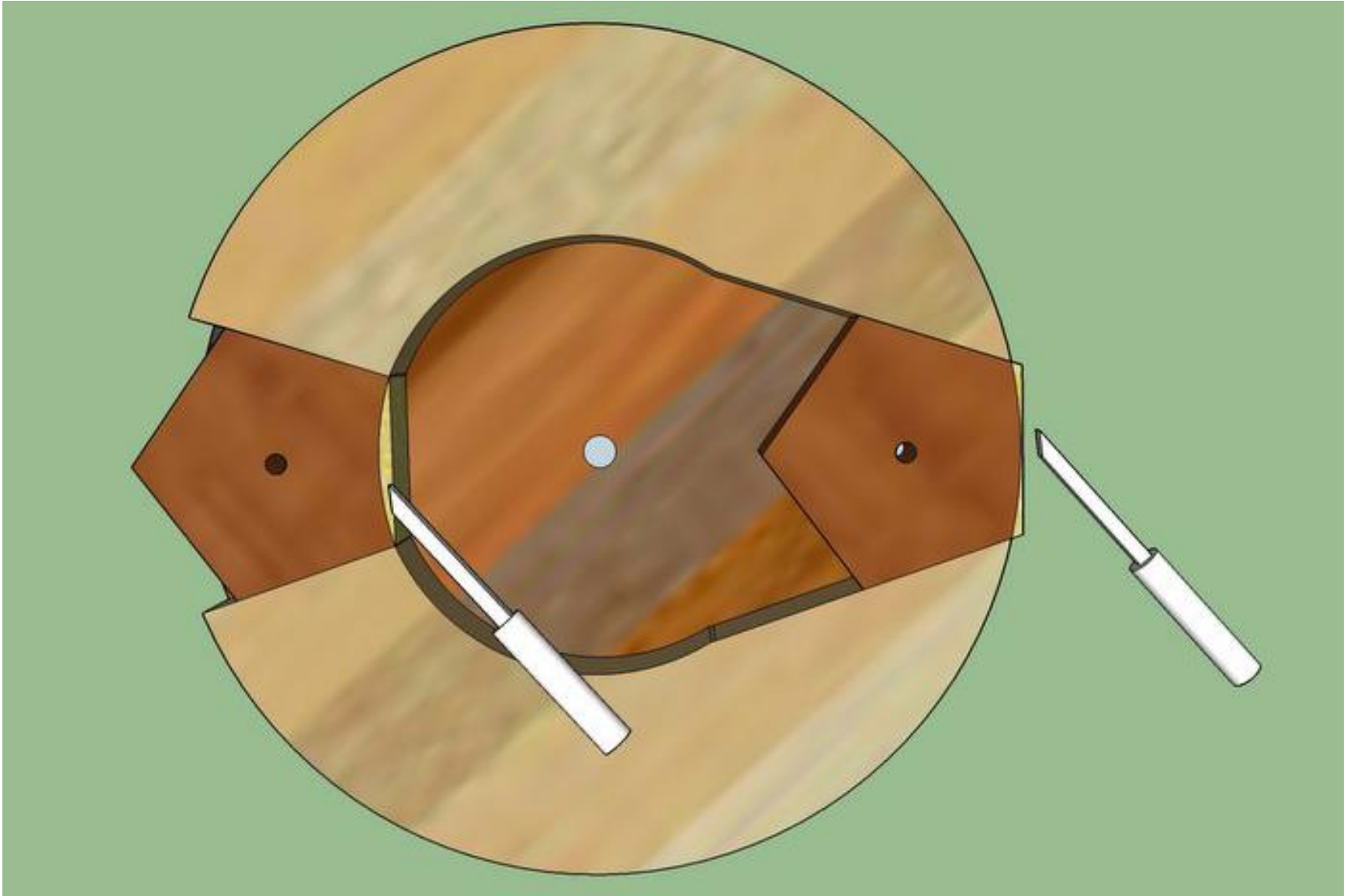


Therming (“Outside”)

- Center of object being turned falls within the radius of the turned surface

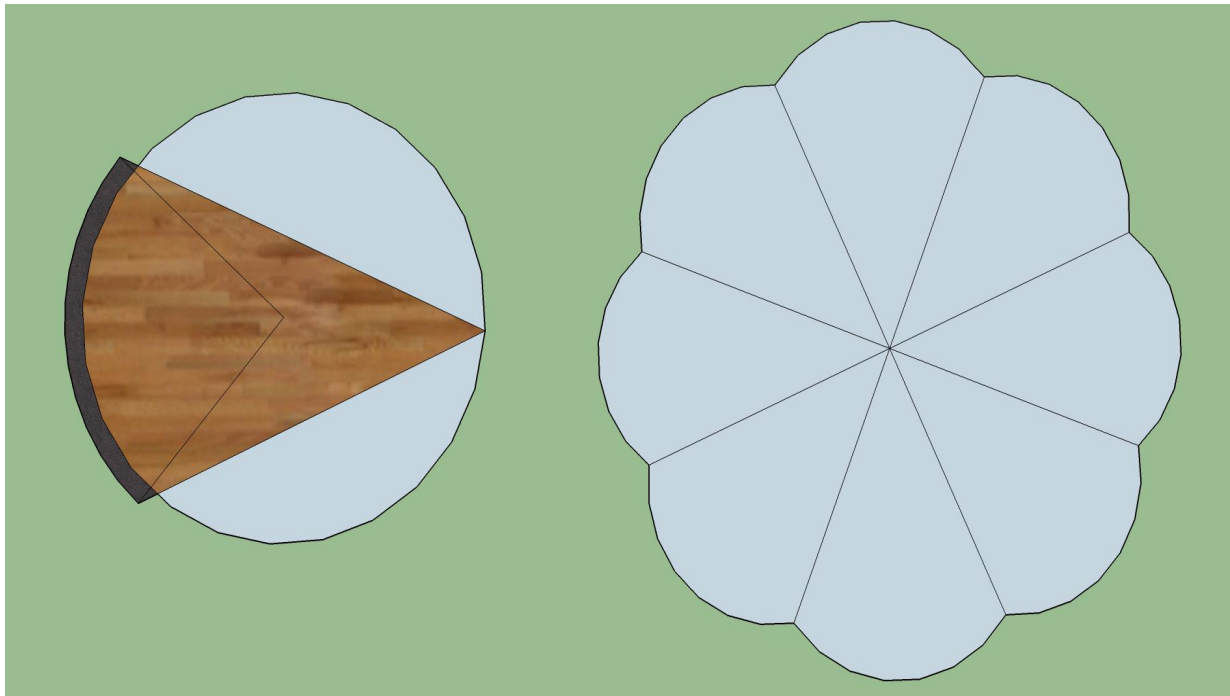


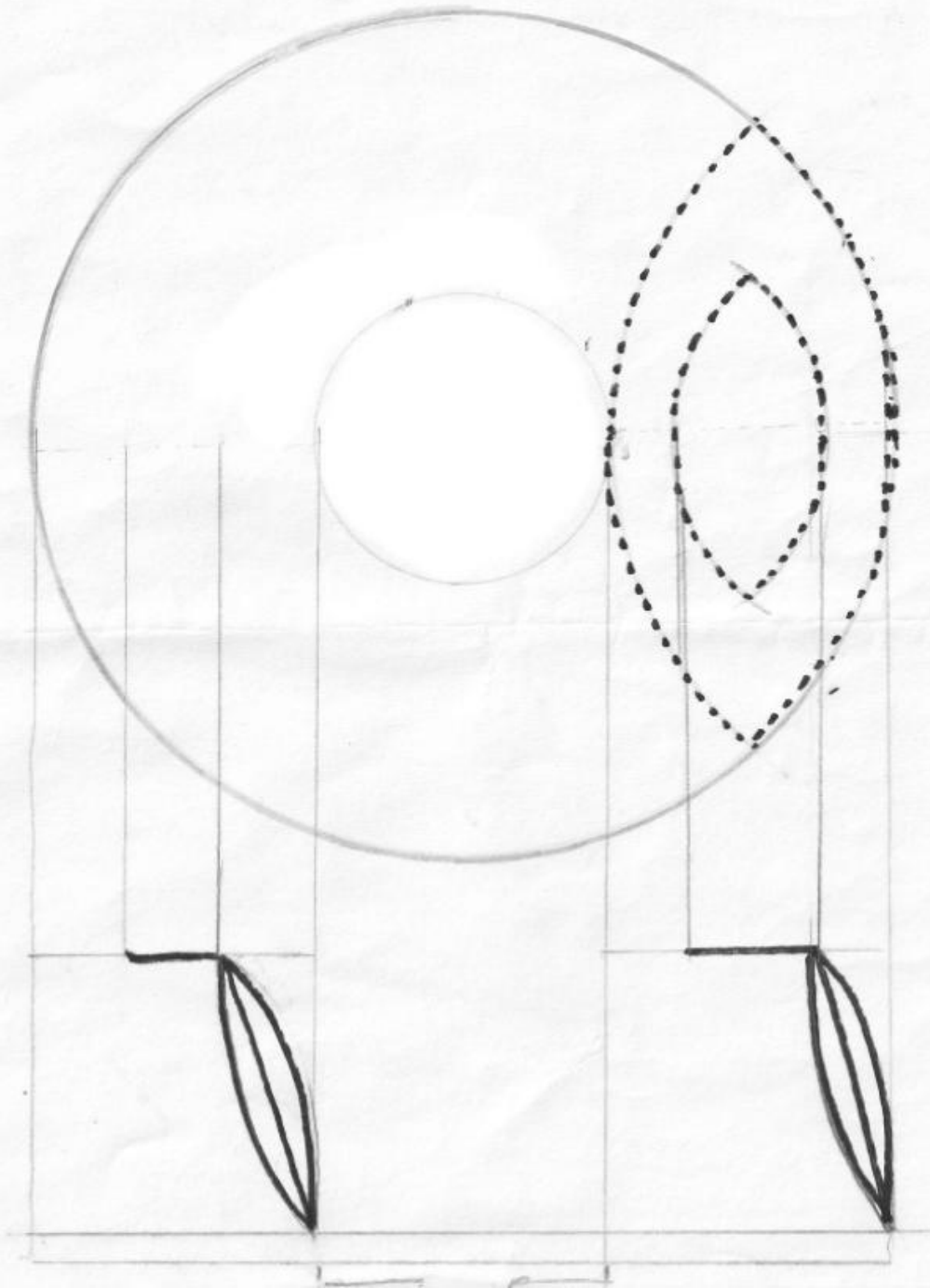
Therming Jig



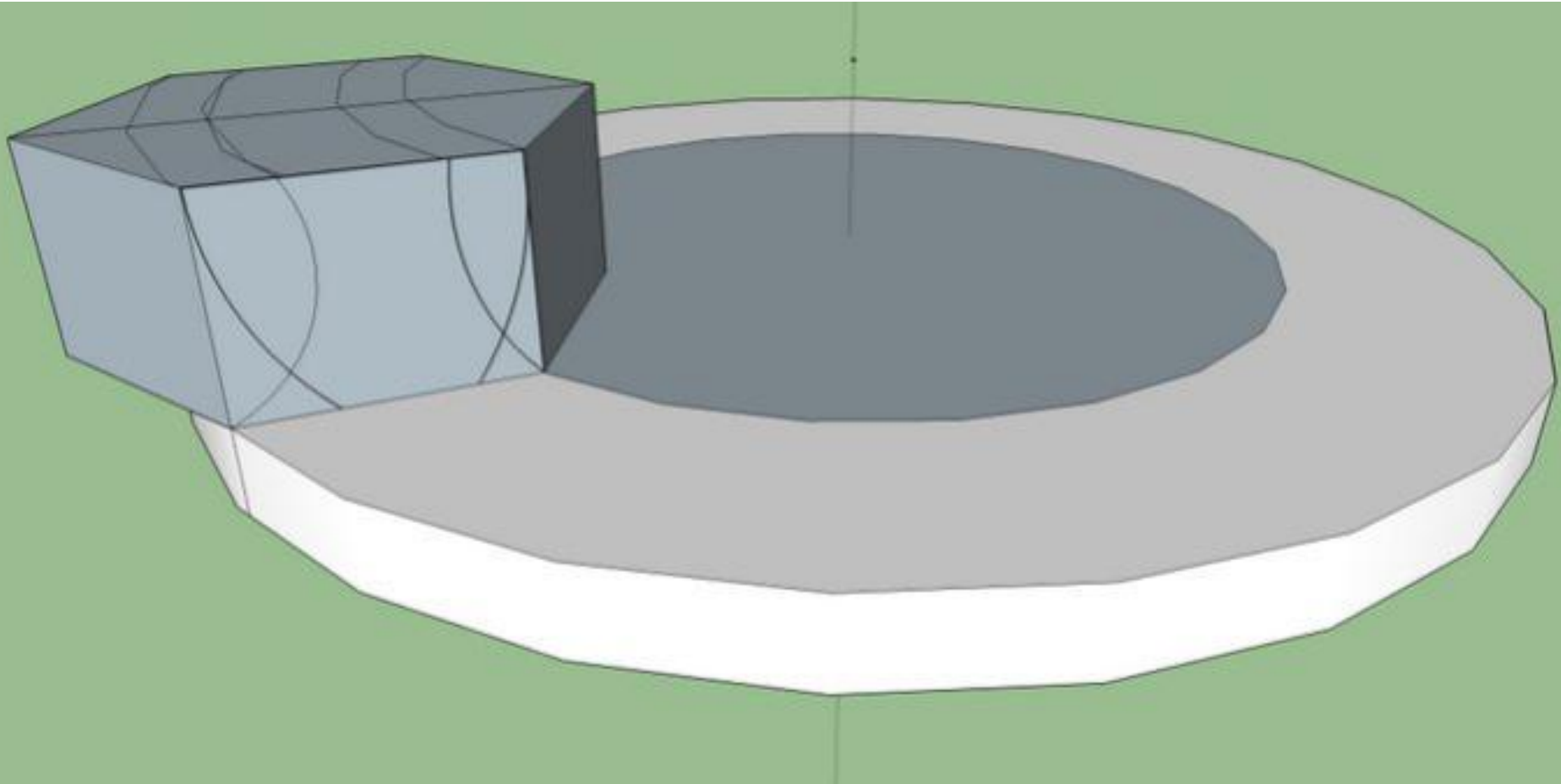
Negative(?) Thermoforming

- The radius of the outside turned surface is smaller than the the radius of the object
- (always segmented)





3D View of Possible Cut Lines for Compound Curves



Lathe with inside cut completed



Workpieces turned for next cut



Layout Template on Workpiece



- Odd number sides require two lag screw holes per side
- Even number of sides require one lag screw hole per side
- T-nut is for locating/centering only

Spandrels

- originally referred to gothic cathedrals as the spaces between the columns as they arch at the top
- the space between the “ribs” left on a turned piece
- can be pierced, painted, stained, accept inserts out of numerous materials, and even totally eliminated, leaving only the rib