

Making a Template

Case 1 - hemispherical bowl

With a bowl to be turned as a half sphere: Once the blank has been turned to proposed dimension, hold the template material flat against the top of the bowl and scribe a line on it using the circumference of the bowl. This can then be cut out to make your template.

Case 2 - spherical cap bowl

With a bowl that has a body circumference of less than half of a sphere, you will need to establish the radius of the outer edge of the bowl body. Using a compass set to that radius draw the curve for your template.

To establish the radius, use the formula:

$$R = (b^2 + a^2)/2a$$

Where:

R = Radius of bowl body (template)

a = Bowl height

b = diameter/2 of bowl top

