



Replace the inset circle/pendant mount assembly in the offset assembly.

#### Calibrating the Fixture

To calibrate the offset, loosen the locking screws and washers and rotate the inset circle until there is a  $\frac{1}{4}$ " offset measured from the live center relative to the center hole in the pendant mount and mark another line on the inset circle and label it. Continue until you get to a 1" offset, which is the maximum for the dimensions in these instructions. In theory, this should be 180 degrees from the zero mark, but the offset is so insensitive at this point that it will probably be less, as shown in Figure 12. Note that the offset marks are not evenly spaced. This is normal because the relationship between the rotation of the inset circle and the offset is not a linear function.

You can calibrate the pendant holder rotation by removing it, mounting the tenon in your chuck and using the indexing capability of your lathe to mark the outer edge of the pendant mount at regularly spaced intervals. My lathe has indexing that allowed a mark every 30 degrees of rotation as you can see in Figure 12. You will also have to place a small arrow on the 4" inset circle to use as a reference for these marks.

The accuracy of the calibration is not critical, just the reproducibility. As mentioned below, the tool placement has a much larger effect on the final appearance of the offset cuts. The calibration is only to allow you to reset the fixture at a later time to reproduce a given pattern.

Congratulations, your offset fixture for turning pendants is done!