



1.

Let's say we want an **8 inch diameter ring consisting of 4 arcs**. *See picture above.

To determine how wide of a piece of glass to use, **measure the distance from the A to D scales** at the **8 inch arc** as shown in *figure A*.

Add at least one inch to your measurement so you have plenty of glass to work with.

So...we would want to **start with a 7 inch wide** piece of glass for this particular segment.

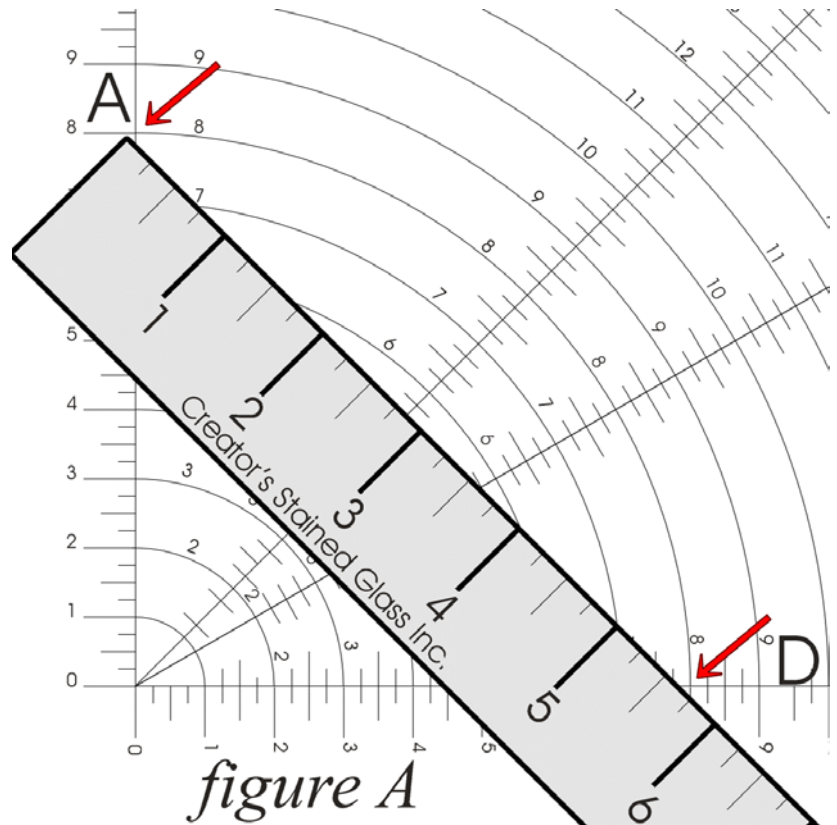


figure A

2.

Next, we will want to determine the least amount of height for the piece of glass used for our arc.

Place any straight edge such as a piece of glass along the **desired inside diameter** as shown in *figure B*.

In this case, we chose a **6 inch inside diameter**. **Place your ruler between the A and D scales** at the **6 inch arc** as shown. You will see that we need **at least a 2 inch long** piece of glass. **Add 1 inch** to give you an easy score to run. So...you are going to **start with a piece of glass that is at least 7 inches wide by 3 inches high**.

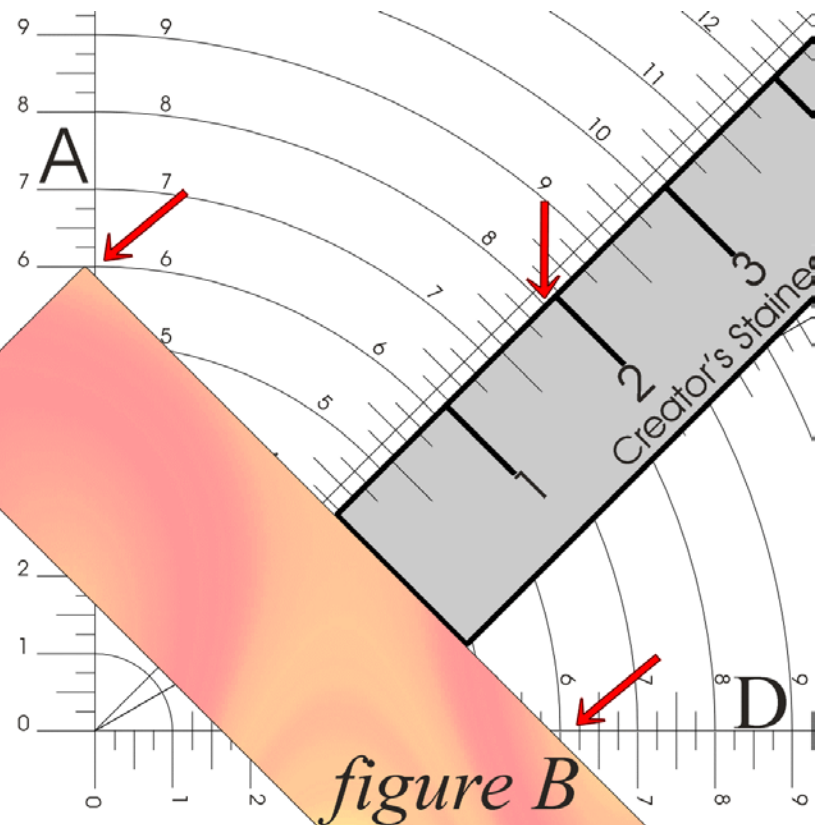
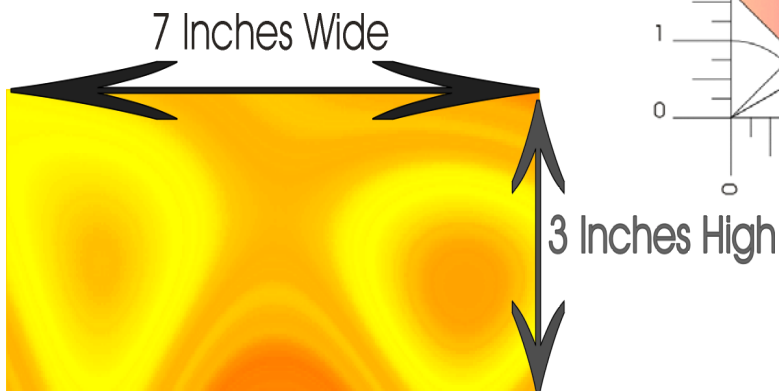


figure B



3.

Place your desired piece of glass on a non-slip surface and line it up with the circle cutter.

Set the circle cutter to the desired diameter.

In this case, it will be 8.

You may wish to hold the glass down with your free hand. Make the score, but DO NOT displace the glass or move the base works of the circle cutter.

Set the circle cutter to the other diameter which will be 6. Make the score.

Run the scores in the order of *figure C*.

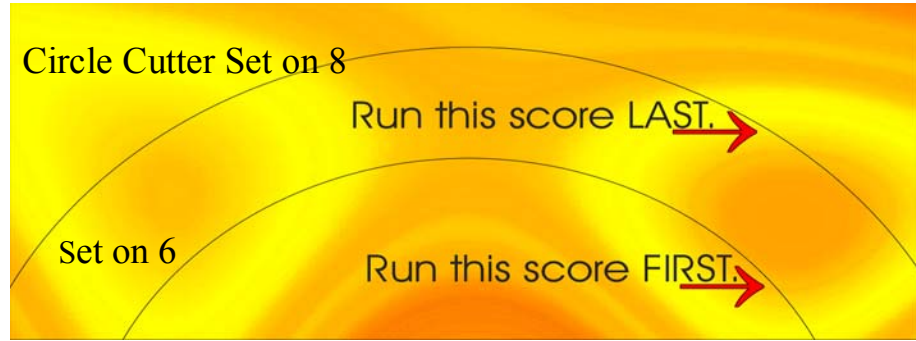


figure C

4.

After you have removed the outer pieces of glass, place the arc on the Angle sheet as shown. Line the arc up with the diameter chosen (8) on both the A scale and D scale. Either make two points with a Sharpie marker or draw a fine line that intersects the glass on the A and D scales. * See *figure D*

Using your glass cutter, score these two lines that you have drawn.

You have just completed your first arc.

