



The Fletcher-Terry Company

*Quality. Service. Dependability. Value.
Since 1868*

Fletcher No. 32 Circle Lens Cutter Operating Instructions

The No. 32 Circle Lens Cutter will cut circles from 3/8" to 5" in diameter and the scale is graduated in eighths of an inch. The No. 32 Circle Lens Cutter can be used for many purposes such as flashlight and instrument lenses, as well as coaster bottoms. The following steps should be followed when using the Cutter.

1. Set the gauge to the size circle required.
2. Determine the size of circle to be cut by sliding the graduated bar to the desired reading, which should appear just to the left of the vertical flat of the shaft. Tighten the thumbscrew to hold it securely in place.
3. Select a piece of glass at least one inch larger than the diameter of the circle to be cut. Be sure glass is clean.
4. Hold the glass **firmly** in place with one hand.
5. With just sufficient pressure to fracture the surface of the glass, make one continuous cut to complete the circle. Keep the pressure even and do not retrace. If the cut is not continuous discard the glass and use another piece, as running the wheel over a second time will not improve the cut and may ruin the cutting wheel.
6. Immediately remove the glass and lay it **upside down** on a padded surface (a piece of soft corrugated board is excellent). With the thumb directly over the cut, apply sufficient pressure to cause the score to "run". This is the term used to indicate the action of the cut penetrating through the glass. It is easily observed. The entire circle will not run at one time, therefore, follow just behind the run with thumb pressure until the entire score has been penetrated through the glass.
7. The glass circle is now ready to be "taken out" and this can be accomplished in either of two ways:
 - Cut away the glass on at least two sides of the circle to within a quarter of an inch of the score. With a pair of side cutting nippers, break the glass at its nearest point to the score. The circle of glass will come out clean. It may sometimes be necessary to break the glass at two points if the entire circle does not drop out the first time.
 - Make several tangent cuts from the circle to the edge of the glass and break off the pieces one at a time. A few trials will determine which method you prefer.
8. Replacement 3 wheel turret is Fletcher part number 02-612



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