

DK MONORAIL STRIPPERS

SMALL CIRCLE CUTTER INSTRUCTIONS

The small circle cutter designed to score $\frac{3}{4}$ to 7-inch diameter circles, is our newest product (Fig. 1). It has a lifetime warranty for manufacturing defects. All bearings are sealed. The aluminum shaft is designed to accept small to large hands for holding the cutter, while scoring. The rotating ball on the handle and the oil reservoir are aligned perpendicular, in order to provide tripod stability while scoring glass.

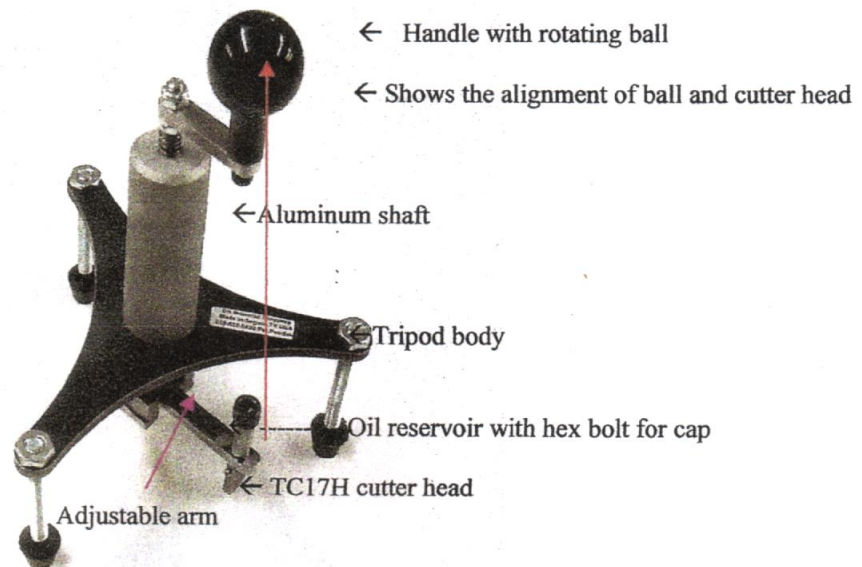


Figure 1

Figure 2 shows the slider block which also houses the center point. The slider block has been notched, so the adjustable arm can be shortened to score circles 1 ½ inch or smaller in diameter.

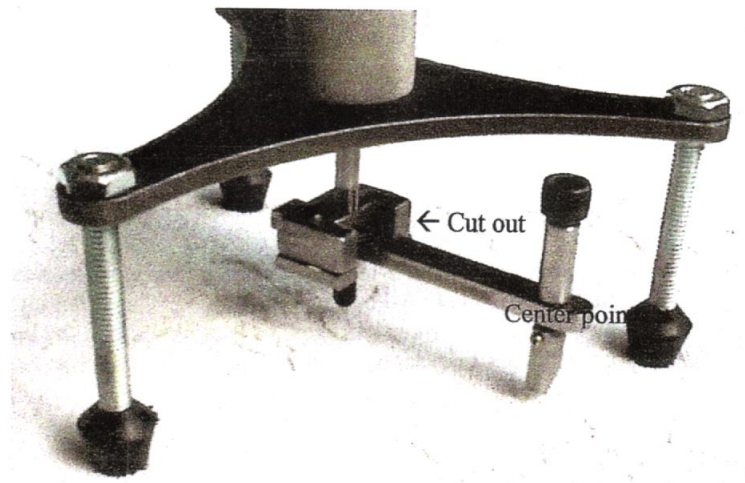


Figure 2

.Figure 3 shows the cutter broken down into its major components

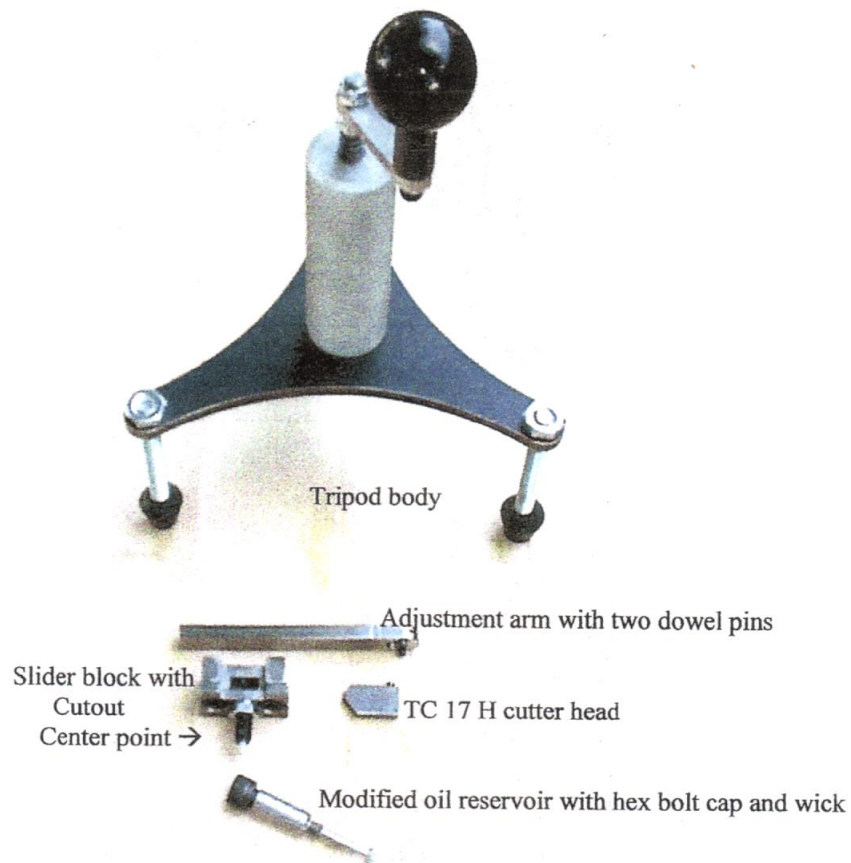


Figure 3

Figure 4 shows the adjustment arm with the oil reservoir in place and the cutter head ready to be pushed into place. The cutter head must slide by the dowel pins and touch the bottom of the adjustment arm to keep the cutter head at 90 degrees and straight and while scoring.

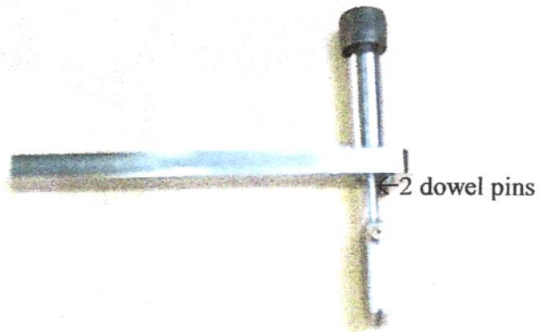


Figure 4

Figure 5 show where to fill the oil reservoir. Since we had to use a hex bolt for a cap, you will need to refill the oil reservoir often. We recommend you check, every time you use it.

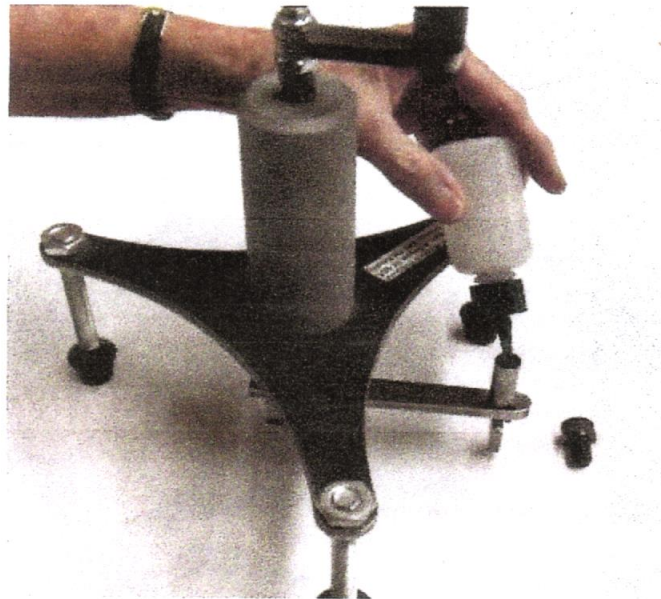


Figure 5

Figure 6 shows a piece of glass ready to be scored. Assuming one is right handed, grasp the shaft with your left hand. Place your hand on the metal tripod as shown, which helps stabilize the tripod platform, while scoring. The tripod legs must be on the same surface, i.e. on top of glass or table, to assure the 90 degree of the cutter head is maintained while scoring



Figure 6

Set the measurement by using a ruler (Fig.7). Set the plastic tip (center point) on the 1-inch mark. If you try to set the center point on zero, it will be difficult to be accurate. If you need a 2-inch diameter circle, slide the arm out to the 2 inch mark. The radial distance is 1-inch. $1 \times 2 = 2$ -inch diameter circle.

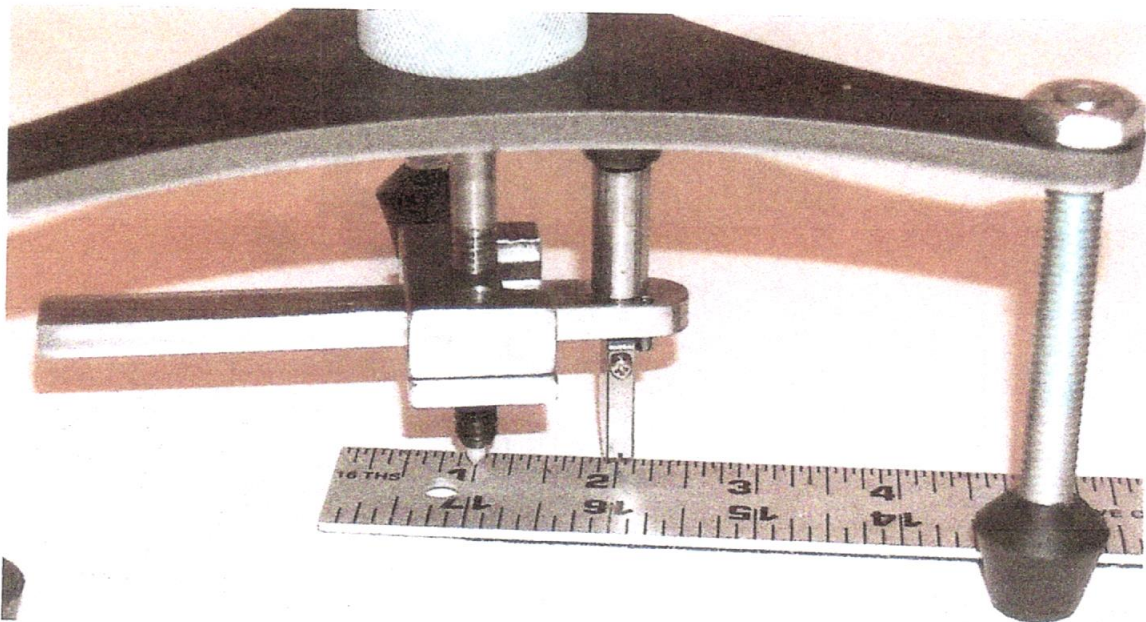


Figure 7

Another way to check your measurement is to lay the cutter on its side. Place the 1-inch mark of the ruler at the plastic tip (center point of the cutter). The cutter head wheel should be sitting on the two inch mark (Fig 8). This setting will score a two inch diameter circle.

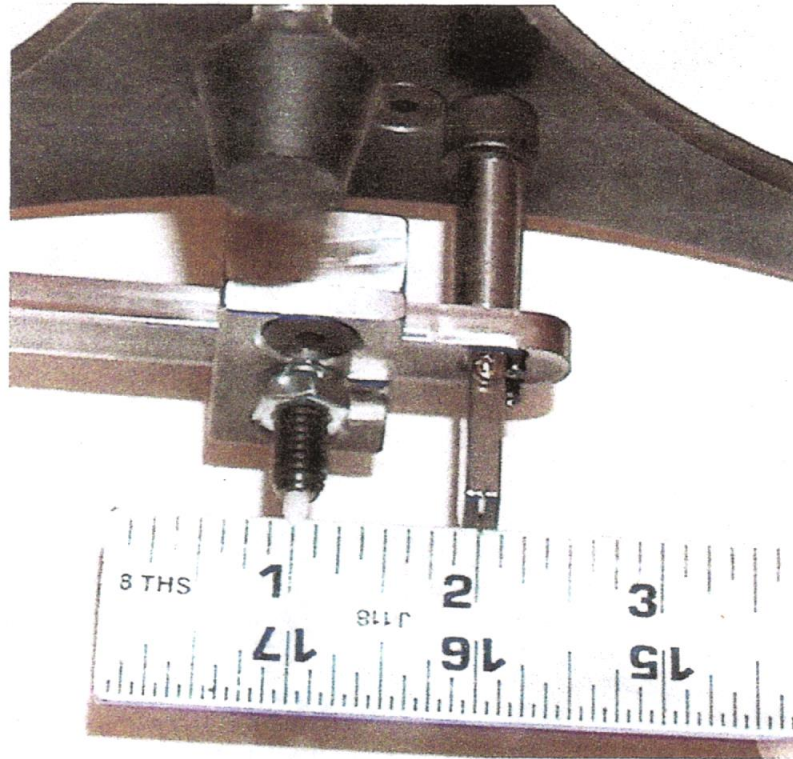


Figure 8

Once you have measured out your setting, the next step is to lock the adjustment arm in place. Hold the arm and slider block securely. Turn the top arm/ball clockwise (Fig. 9). This locks the arm in place. You are ready to score circles. To loosen the arm, hold the arm/ball and slider block. Turn the top handle counter clockwise.

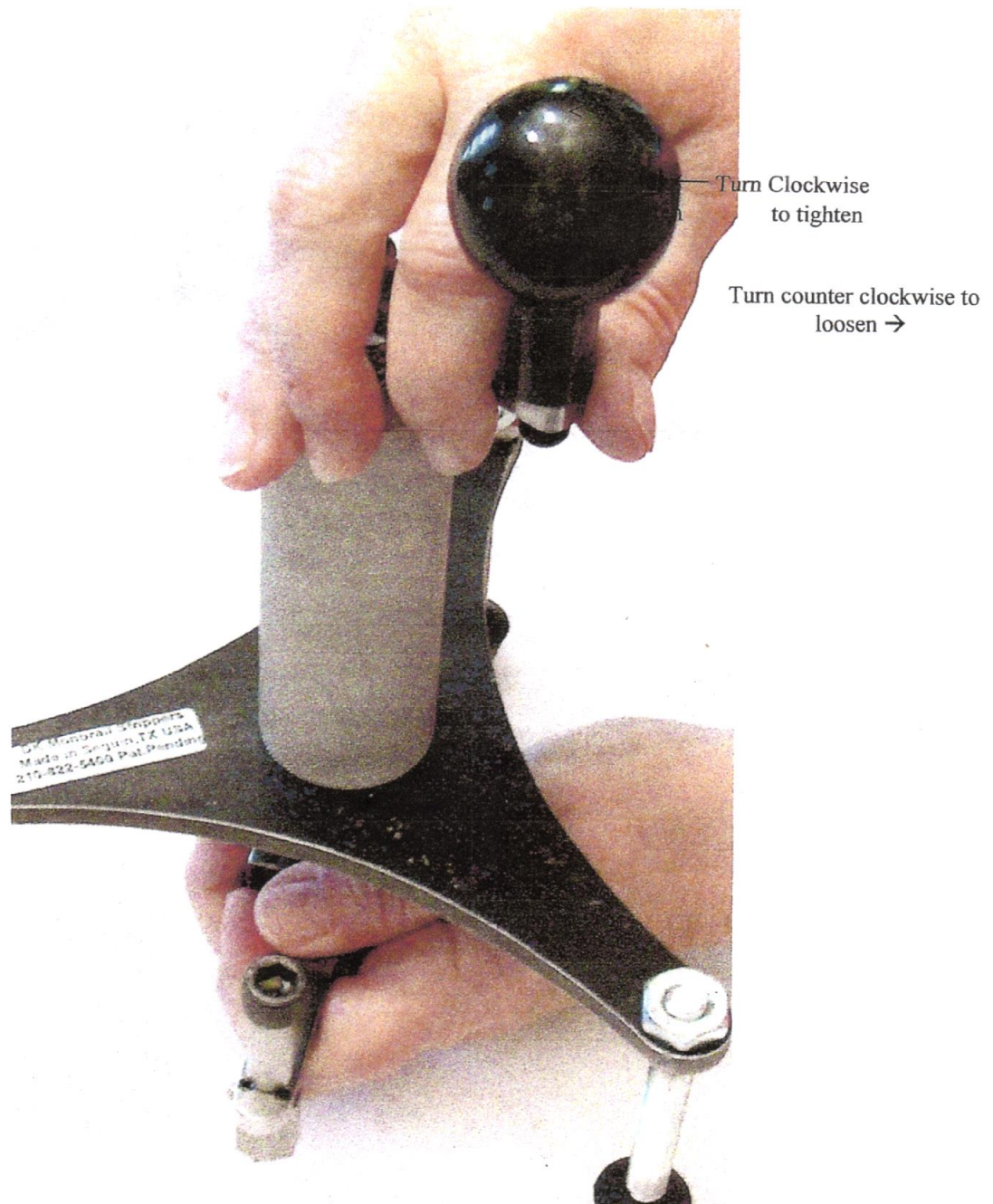


Figure 9

This next picture shows the cutter tripod is on top of a sheet of glass; the size of the circle has been measured and locked in place. Now you are ready to score, press down on the handle and turn clockwise (Fig 10).

↓ Press down on knob and turn clockwise



Figure 10

The next few steps are the most important in breaking out a clean circle. Once you have scored the circle, turn the glass over onto something that has a slight give when pressure is applied. We have found a product called a Homosote board (see note below) that works well on breaking out all sizes of circles. We also found a mouse pad also works. Once the glass is turn over, press down on top of the score line all the way around (Fig 11). Turn the glass back over and score your break lines (Fig 12). Use a pair of runners, breakers or hands to break out the circle. Remember, the more you can get the circle score line to run the cleaner the edges will be. One other important fact: **DO NOT TAP THE SCORE LINE.** Tapping will result in glass chipping at the score line edges, which could ruin your circle. Hopefully, you shouldn't have to grind. However, the "law of diminishing returns" kicks in. We have learned that circles with diameters of a 1 ½-inches or less do not break out clean and will require some grinding.

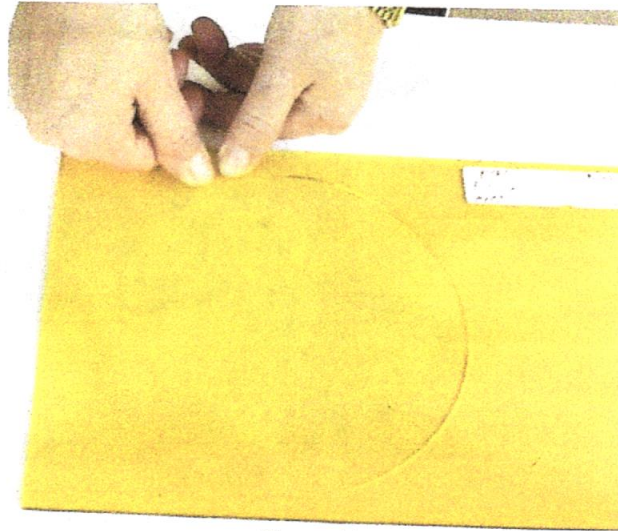


Figure 11

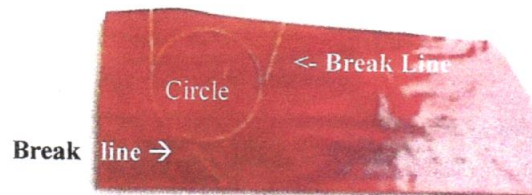


Figure 12

We sincerely hope you enjoy using our **DK Monorail Strippers** as we do. It will make your glass cutting experience more accurate and pleasant. If you encounter any problems, or have questions about other products, please call toll free 1 (866) 865-3903. Our Email is dkmonorailstrippers@gmail.com. Please visit our website for demos, and other information at www.dkmonorailstrippers.com

DK Monorail Strippers