



Framing Matters

Glass Cutting Technical Bulletin

Fletcher 3000/3100 Glass Cutter

Hints and Suggestions for Proper Glass Cutting

1. Correct Cutting or Scoring Pressure

The key to the efficient use of the glass cutter is to “score” the glass with the lightest amount of pressure, while giving you a “clean” and “continuous” score line. When you have a clean, light score you will obtain a clean, straight break.

To test for the correct cutting head pressure, back off the brass adjustment tension screw on the cutting head until 1/2” of thread is exposed. See # 5 below for adjusting the correct rocker arm depth.

When the glass is scored with too much pressure you can hear small flakes or chips of glass breaking away from the glass. A lightly scoring wheel will also last longer.

2. Keep the Scoring Wheel Clean

Glass has a fine dust or powder blown in between the sheets glass to prevent the glass from sticking together while stored and transported. Before scoring the glass it is recommended that you give the glass a quick wipe with a drafting brush or a piece of terry towelling. This helps prevent the glass scoring wheel from clogging up with the dust and grime from the glass. If the wheel becomes clogged it will then skip, and miss scoring some parts of the glass. Then when you try and break the glass it will fracture off to one side.

3. Keep the Left Hand Square Edge Clean of Glass Bits

Clean the left hand square edge bar where the glass rests. This prevents the glass chips grinding away excessively on the steel bar.

4. Breaking the Glass Once it is Scored

Once the glass is scored from top to bottom you can now easily “breakout” the glass. Without moving the glass, put your left hand against the face of the glass, and with your right thumb push the scrap piece to the rear, near the bottom of the score. As you push your thumb against the glass, the score will “run” to the top of the glass as it breaks away from the left hand piece of glass. Your thumb will trap the scrap piece of glass against the right hand machine support, where it can easily be removed.

5. Checking for the Correct depth of the Cutting Wheel

It is important that the glass cutting wheel be correctly positioned in the vertical cutting slot. On the inside lower part of the cutting head there is a horizontal adjustment machine screw with its head facing the wall. This screw adjusts the cutting head rocker arm the correct distance above the main face of the cutter. Use a small crescent wrench to adjust the screw. You can sight in sideways from the right and watch as the screw is rotated. Position the head so that the glass cutting wheel enters the v-groove 1/64 of an inch. This will ensure that the mat blade, scoring wheel and the plastic cutting blade are in the proper position.

6. Wear Eye Protection

Occasionally small chips of glass may fly up off the glass while scoring or breaking the glass. Be sure to wear eye protection while scoring and breaking the glass.

**For further assistance or to order parts and accessories contact
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