

Creating Squares – 1cm square

Step 1

The basic rules when working with glass are:

1. Glass Cutter – should have oil in the barrel.
2. All surfaces must be **clean and flat**, no bumps or lumps.
Running Pliers – used to 'break' glass after scoring with glass cutter should be clean.
ALWAYS sweep mat in between scoring.



Step 2

1. Align the glass with the grid ensuring the wheel of the cutter is in line with the mat grid.
2. Work with the mat/glass and tools as close to you as possible. This gives you balance and more power rather than leaning forward over the glass and mat.
3. Hold the glass cutter the same way you would hold a pen.
4. Hold ruler firmly down (see photo)

Always start **ON** the glass and lift **OFF** before running over the edge of the glass. Press firmly.



Step 3

1. Once you have scored in one direction, rotate the glass on the mat 90 degrees and score the glass. You should see neat score lines creating square pattern.
2. Using the **end** of the glass scorer tap gently the underside of the scored glass.
3. This helps weaken the glass along the score lines.
4. Score lines should be clearly visible and once tapped may appear to be 'hairy'.



Step 5

Aligning the running plier (line on top) with the score line, squeeze firmly and quickly to separate/break apart glass.

The best approach when breaking apart is to break off sections at a time rather than a row at a time (see photo) and then break those pieces down.



There will be times when regardless of your best effort the glass does not 'break' along score lines. This can be due to:

- Poor scoring – too light and inconsistent pressure
- Structure of the glass – where the glass has a wavy look and thickness varies.
- Surface mat is not clean or has dried glue or other material on it so it doesn't provide a completely flat surface.
- Running pliers being applied too slowly. Use firm and quick pressure.