

# Clarke<sup>TM</sup>

## TILE CUTTER

Model Nos  
TCM420 & TCM430

Part Numbers 3400660 & 3400655

Thank you for purchasing this Clarke Tile Cutter.

Both TCM420 and TCM430 tile cutters are ideal for professional and DIY users alike.

Ceramic tiles up to 400mm (16") in length, and 14mm (1/2") thick, may be cut perfectly straight. Model TCM430 has the additional capability of cutting to any angle, accurately, (max. diagonal cut - 400mm), **AND** cutting holes up to 80mm in diameter using a special hole cutting attachment.

Please read this leaflet thoroughly before use. This will ensure not only the safety of both yourself and those around you, but also accuracy of operation and long and trouble free service from your Tile Cutter.

### GUARANTEE

**This product is guaranteed against faults in manufacture for 12 months from purchase date. Please keep your receipt as proof of purchase.**

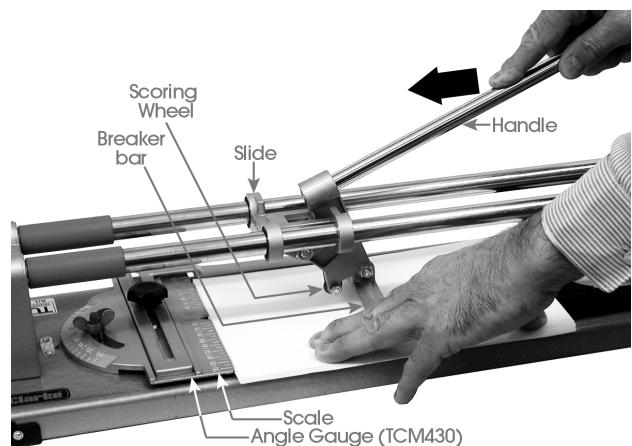
**This guarantee is invalid if the product has been abused or tampered with in any way, or not used for the purpose for which it is intended. The reason for return must be clearly stated.**

**This guarantee does not affect your statutory rights.**

### STRAIGHT CUTTING

#### **WARNING! ALWAYS wear protective eye goggles when using the Tile Cutter**

- First, thread the handle into the Slide housing as indicated in the illustration opposite, and tighten.
- Place the tile on the work table, with the line to be scored exactly in line with the zero mark on the scale. A guide plate is provided to ensure the tile is held in a square position. (Ensure the angle gauge (Model TCM430) is set to zero degrees). Adjust the position of the guide to accommodate the tile and hold the tile firmly in place with the left hand, as shown.
- Raise the handle and draw the slide back, past the edge of the tile, then lower the handle so that the tungsten carbide scoring wheel comes into contact with the leading edge of the tile.
- Apply a firm pressure (not too heavily) down on to the handle whilst pushing forward, smoothly and evenly, in the direction of the arrow, so that the tile is scored along its complete length.
- Raise the handle and reposition the slide so that the breaker bars are approximately half way along the tile. **DO NOT MOVE THE TILE**
- Pressing down on the handle again will cause the tile to break.



**NOTE: It is necessary to score the tile ONCE ONLY.**

MODEL TCM430 is provided with an angle gauge so that the tile may be secured at any angle for cutting in a straight line. Simply adjust the angle gauge to the required angle and place the tile so that it is held firmly against the angle gauge guide plate

# HOLE CUTTING (Model TCM430 only)

Model TCM430 is also provided with a hole cutting attachment which is assembled and used as follows:

**1**

Screw the cutter assembly into the end of the column, and tighten.

**4**

Unlock the Column Height Adjuster Nuts then screw the lower nut clockwise to raise, or anticlockwise to lower, the column, (and hence the cutter), so that the tip of the Cutter is approximately level with, or VERY slightly below, the top surface of the work table.

**2**

Slacken off the upper adjuster nut fully.

Screw the lower nut up or down so that the cutting tip is approx. 2.5mm (3/32 - 1/8in) higher than the pilot drill tip.

Screw down the upper adjuster nut and lock in place firmly, ensuring the distance from the centre of the pilot drill tip to the outside edge of the cutting tip is set to the desired radius for the hole to be cut.

**5**

Depress the spring loaded Lever, to raise the column. Place the tile on the work table. Position it so that the centre of the desired hole is directly beneath the pilot drill tip, then gently release the Lever.

Hold the tile firmly, (or the Steadying Handle, as the operation permits), and begin to turn the Operating Handle **CLOCKWISE**. The pilot drill will begin to drill a pilot hole, and eventually the cutter will come into contact with the tile and a circle will be scored. Continue to turn the handle until the cutter finally breaks through the tile.

**3**

Assemble the Hole Cutting Attachment to the frame as shown, ensuring the pilot drill is as near central over the hole in the work table as possible.

Tighten the clamping nut.

**NOTE:**

*When cutting thicker tiles It may be necessary to set the cutter higher to begin with, to avoid the possibility of the cutter digging into the tile too fiercely.*

*Cutting through the tile will take a little time and considerable dust will be generated. Pouring water in the groove produced will prevent this, and help to keep the tip cool.*

*If the cutter does not break through the tile, readjust the column position by unlocking the adjuster nuts, then turn the lower adjuster nut anticlockwise one turn. Remember to lock the adjuster nuts once again before proceeding to turn the operating handle.*

**REMEMBER**, if the column is positioned too low, the cutter, under spring pressure, will break through the tile forcefully and create a jagged back edge to the hole. This may or may not be a problem, depending upon requirements, as the front edge of the hole will be clean.

## SPARE PARTS

The following spare parts are available from your Clarke dealer.

1. Scoring Wheel ..... Part No. TCM43001
2. Cutting Assembly complete ... Part No. TCM43002

Or call Clarke Parts department on 020 8988 7500

or e-mail [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)