

# Clarke®



**WARNING:** Read these instructions before using the machine

## ELECTRIC TILE CUTTER

MODEL NO: ETC8

PART NO: 3400515

## OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

GC1020 - REV 1

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## INTRODUCTION

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Thank you for purchasing this CLARKE Electric tile cutter.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to your purchase giving you long and satisfactory service.

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## GUARANTEE

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This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused, tampered with, or not used for the purpose for which it was intended. Faulty goods must be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

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## SPECIFICATIONS

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Motor	230V, 50 Hz 1ph
Power Rating	450 Watts
Speed	2950 RPM
Weight (net)	7.9 kg
Cutting Angle	0 - 45 degrees
Cutting Depth at 90 <sup>o</sup>	35 mm
Cutting Depth at 45 <sup>o</sup>	22 mm
Cutting Disc Diameter	180 mm
Cutting Disc Bore	22.2 mm
Sound Power Level	105 Lw(A)
Sound Pressure Level	92 dB(A)
Table Dimensions	330 x 360 mm

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# GENERAL POWER TOOL SAFETY WARNINGS

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**WARNING: READ ALL INSTRUCTIONS. FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN ELECTRIC SHOCK, FIRE AND/OR SERIOUS INJURY. THE TERM "POWER TOOL" IN THE WARNINGS REFERS TO YOUR SAW.**

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## 1) WORK AREA SAFETY

1. **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
2. **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** *Power tools create sparks which may ignite the dust or fumes.*
3. **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

## 2) ELECTRICAL SAFETY

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** *Unmodified plugs and matching outlets will reduce risk of electric shock.*
2. **Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators.** *There is an increased risk of electric shock if your body is earthed or grounded.*
3. **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
4. **Do not abuse the cable. Never use the cable for carrying, pulling or unplugging the power tool. Keep cable away from heat, oil, sharp edges or moving parts.** *Damaged or entangled cables increase the risk of electric shock.*
5. **When operating a power tool outdoors, use an extension cable suitable for outdoor use.** *Use of a cable suitable for outdoor use reduces the risk of electric shock.*
6. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** *Use of an RCD reduces the risk of electric shock.*

## 3) PERSONAL SAFETY

1. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or**

**under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*

2. **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, gloves, non-skid safety shoes, hard hat, protective apron and hearing protection used for appropriate conditions will reduce personal injuries.*
3. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** *Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.*
4. **Remove any adjusting key or wrench before turning the power tool on.** *A wrench or a key left attached to a rotating part of the power tool may result in personal injury.*
5. **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
6. **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
7. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** *Use of dust collection can reduce dust-related hazards.*
8. Power tool use and care
9. **Do not force the power tool. Use the correct power tool for your application.** *The correct power tool will do the job better and safer at the rate for which it was designed.*
10. **Do not use the tool if the switch does not turn it on and off.** *A power tool that cannot be controlled by the switch is dangerous & must be repaired.*
11. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** *Such preventive safety measures reduce the risk of starting the power tool accidentally.*
12. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** *Many accidents are caused by poorly maintained power tools.*
13. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the tool.** *Power tools are dangerous in the hands of untrained users.*
14. **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*

15. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** *Use of the power tool for operations different from those intended could result in a hazardous situation.*

## 5) SERVICING

1. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** *This will ensure that the safety of the power tool is maintained.*

## 6) ADDITIONAL WARNINGS FOR TILE CUTTERS

1. Ensure that the directional arrow marked on the disc corresponds with the rotational direction of the motor.
2. With the machine disconnected from the power supply, rotate the disc by hand to ensure it is free from obstruction.
3. Always keep the disc securing arbor and collars clean.
4. Never try to cut freehand. Always ensure that the tile to be cut is pressed firmly against the parallel side fence.
5. Ensure that the work piece to be cut off has sufficient room to move sideways. Failure to do so may result in the off cut binding against the disc.
6. Never cut more than one tile at a time.
7. Never cut pieces too small to be held securely against the fence without leaving enough space for the hand to be a safe distance from the disc.
8. Ensure that the table and surrounding area are clear with the exception of the tile to be cut.
9. Never fit sub-standard discs to the machine. Only fit correctly sized diamond discs.
10. Before cutting a tile piece, let the saw disc run freely for a few seconds. If it makes an unfamiliar sound or vibrates excessively, switch it off immediately and disconnect from the power supply. Investigate the cause or consult a qualified person for advice.
11. Let the disc reach full speed before commencing the cut.
12. Do not force the disc to cut the tile.
13. Let the disc come to a complete stop before removing any jammed or off cut material from around the disc area.
14. Always use the appropriate safety equipment that is required for the product. E.g. goggles / safety spectacles, ear defenders (essential with tools with a noise rating of over 85 dbA), gloves and face masks. In all cases ensure that the safety equipment is in good condition.

## ELECTRICAL CONNECTIONS



**WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS THOROUGHLY BEFORE CONNECTING THE HEATER TO THE MAINS SUPPLY.**

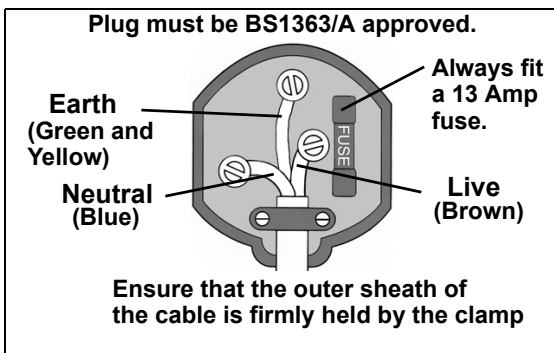
Connect the mains lead to a standard, 230 Volt (50Hz) electrical supply through an approved 13 amp BS 1363 plug, or a suitably fused isolator switch. If the plug has to be changed because it is not suitable for your socket, or because of damage, it must be removed and a replacement fitted, following the wiring instructions shown below. The old plug must be discarded safely, as insertion into a power socket could cause an electrical hazard.




**WARNING: THE WIRES IN THE POWER CABLE OF THIS PRODUCT ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:  
BLUE = NEUTRAL    BROWN = LIVE    YELLOW AND GREEN = EARTH**

If the colours of the wires in the power cable do not agree with the markings on the plug:

- The BLUE wire must be connected to the terminal which is marked N or coloured black.
- The BROWN wire must be connected to the terminal which is marked L or coloured red.
- The YELLOW AND GREEN wire must be



connected to the terminal which is marked E or  or coloured green.

**We strongly recommend that this machine is connected to the mains supply through a Residual Current Circuit Breaker (RCCB).**

If you are not sure, consult a qualified electrician.

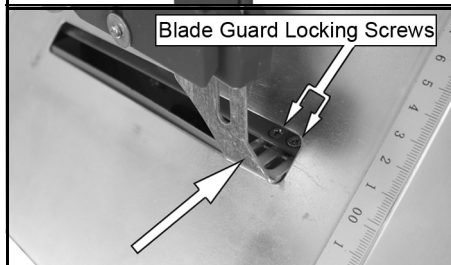
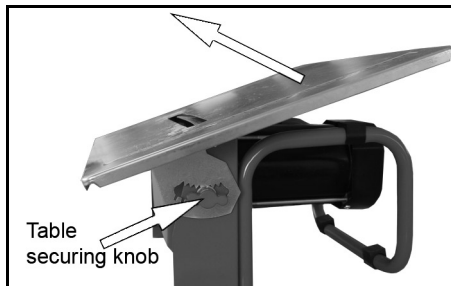
# ASSEMBLY



**WARNING: BEFORE USING YOUR TILE CUTTER BE SURE TO READ THE INSTRUCTION MANUAL CAREFULLY.**

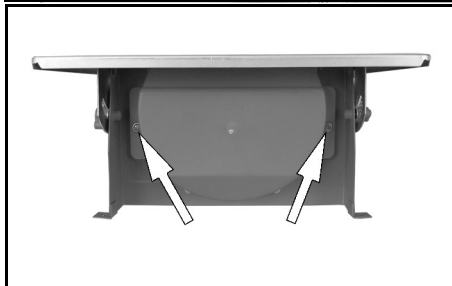
## FITTING THE BLADE GUARD

1. Loosen the two table securing knobs (Front and rear of the unit).
2. Tilt the table.
3. Slide the blade guard into position as shown and secure using the blade guard locking screws.
  - The guard is held in position between the frame and a small bracket beneath.



## FITTING THE BLADE

1. Remove the disc cover by loosening the two screws shown.
2. Loosen and remove the disc fixing nut. Using the two spanners supplied.
3. Remove the outer flange.
4. Mount the disc on the arbor and replace the outer flange. Turn the disc 360 degrees to make sure it matches with the flange properly.
  - The direction arrow on the disc should point in the same direction as the marking on the side of the disc guard.
5. Fully tighten the disc fixing nut and replace the disc cover.



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# OPERATION

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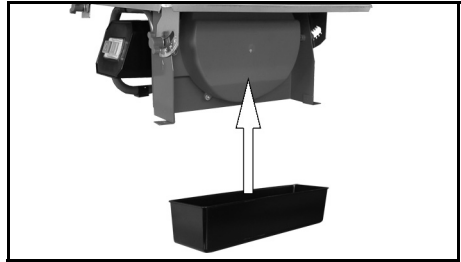
**WARNING: BEFORE USING YOUR TILE CUTTER BE SURE TO READ THE INSTRUCTION MANUAL CAREFULLY.**

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## THE WATER

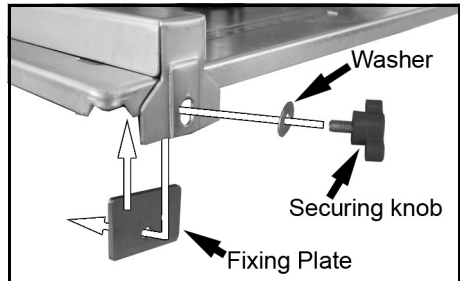
Position the tray as shown and fill 3/4 full with water.

- Do not add chemicals or detergents to the water.
- Always maintain this level (3/4 full) to ensure that there is sufficient water in the tray for dust suppression and cooling.



## FITTING THE PARALLEL GUIDE

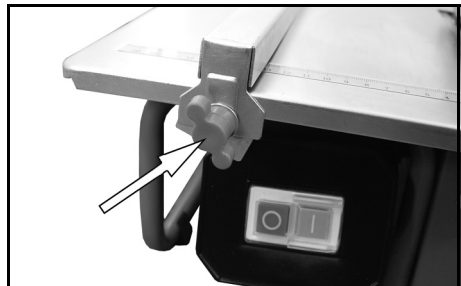
1. Position the parallel guide on the work table as shown.
2. Align the hole in the fixing plate with the hole in the end of the parallel guide.
  - The fixing plate should be fitted on the inside surface of the work table edges.



3. Attach it with the washer and securing knob provided, repeat on the other end of the parallel guide.

## ADJUSTING THE PARALLEL GUIDE

1. Loosen the two securing knobs provided.
2. Adjust the parallel guide to the desired position using the scales on the table.
3. Re-tighten the two securing knobs.





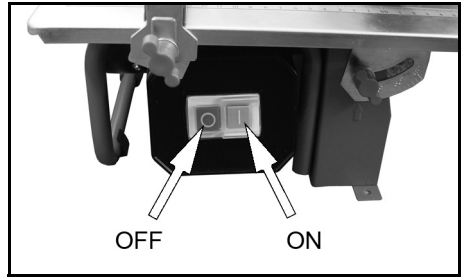
## STARTING AND STOPPING

Press the ON Button (marked "I") to start the tile cutter.

- Allow the tile cutter to reach full speed before cutting any tiles.

Press the OFF Button (marked "O") to stop the tile cutter.

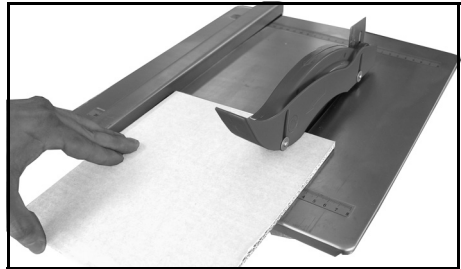
**NOTE:** The disc will continue to rotate for some time after switching off.



## MAKING A STRAIGHT CUT

Position the tile firmly against the parallel guide and push the tile slowly past the disc.

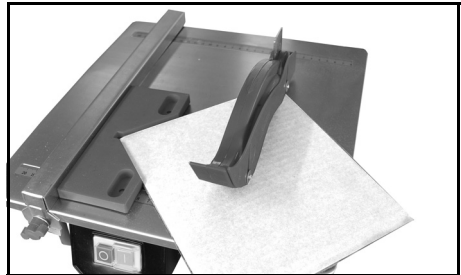
- Do not try to force the tile past the disc too quickly.



## MAKING A MITRE CUT

Follow the same procedure as for a straight cut but use the mitre guide in conjunction with the parallel guide.

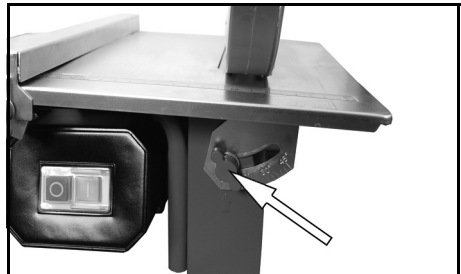
- The mitre guide simply runs up against the edge of the parallel guide as shown.
- Ensure that the tile is held firmly into the guide before making the cut.



## CUTTING WITH THE TABLE AT AN ANGLE

Use this facility if you wish to cut at an angle.

1. Loosen the two table securing knobs (one at each side of table).
2. Tilt the table to the desired angle using the scale under the table.
3. Re-secure the table and make the cut as before.

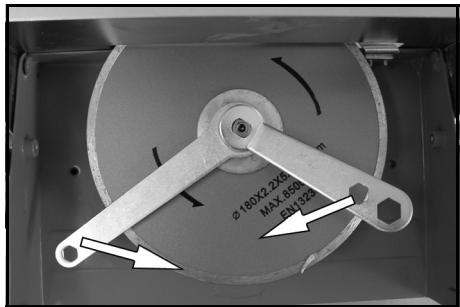
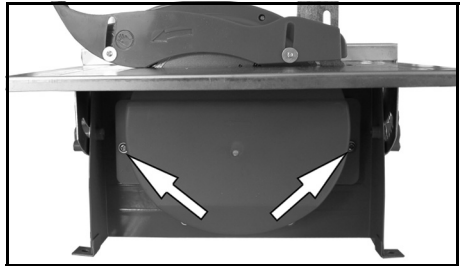


# CHANGING THE CUTTING DISC



**WARNING: BEFORE STARTING ANY CLEANING OR MAINTENANCE PROCEDURES, DISCONNECT THE PLUG FROM MAINS SUPPLY.**

- Replacement discs are available from your Clarke dealer.
  - Only use discs with a diameter of 180 mm.
  - The replacement discs speed rating must meet or exceed the RPM rating of the tile cutter.
1. Remove the water tray.
  2. Remove the disc cover by loosening the two screws shown.
  3. Loosen and remove the disc fixing nut. Using the two spanners supplied.
  4. Remove the outer flange and the disc, clean any dust and debris from the arbor and disc securing flange.
  5. Mount the disc on the arbor and replace the outer flange. Turn the disc 360 degrees to make sure it matches with the flange properly.
    - The direction arrow on the disc should point in the same direction as the marking on the side of the disc guard.
  6. Fully tighten the disc fixing nut.



## ENVIRONMENTAL RECYCLING POLICY



By purchasing this product, the customer is taking on the obligation to deal with its safe disposal in accordance with the Waste Electrical and Electronic Equipment (WEEE).

**■** This product must not be disposed of with general household waste but be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling.

# DECLARATION OF CONFORMITY



**Clarke**<sup>®</sup>  
**INTERNATIONAL**

Hemnal Street, Epping, Essex CM16 4LG

## DECLARATION OF CONFORMITY

**This is an important document and should be retained.**

**We hereby declare that this product(s) complies with the following directive(s):**

2014/30/EU      *Electromagnetic Compatibility Directive.*  
2006/42/EC     *Machinery Directive.*  
2011/65/EU     *Restriction of Hazardous Substances (amended by (EU) 2015/863).*

**The following standards have been applied to the product(s):**

*EN 61029-1:2009+A11:2010, EN ISO 12100:2010, EN 55014-1:2006+A1:2009+A2:2011,  
EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013.*

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2010

**Product Description:**      450W Electric Tile Cutter  
**Model number(s):**         ETC8  
**Serial / batch Number:**    N/A  
**Date of Issue:**             29/09/2020

**Signed:**

**J.A. Clarke**  
**Director**

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**Parts Enquiries**  
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**Servicing & Technical Enquiries**  
[Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

**Clarke® INTERNATIONAL** Hemnall Street, Epping, Essex CM16 4LG  
[www.clarkeinternational.com](http://www.clarkeinternational.com)