

challenge
xtreme
READY FOR THE CHALLENGE

600W
TILE CUTTER



CE



TC180S
ORIGINAL INSTRUCTIONS

INTRODUCTION

Thank you for purchasing a CHALLENGE XTREME 600W Tile Cutter. We would like you to be completely satisfied with your new product and hope you get many years of satisfaction out of this tool.

Your tile cutter is designed to perform cutting jobs on small and medium tiles (floor and wall tiles made of ceramic and similar material) which suit the machine's size. It is intended in particular for use by DIY enthusiasts and craftsmen.

The machine is to be used solely for its intended purpose. Never use it to cut wood or metal material.

GENERAL SAFETY INSTRUCTIONS

When using electric products, in order to reduce the risk of fire, electric shock or personal injury, it is recommended to always respect basic safety precautions including the following:

Read all of these instructions before operating the tool and keep these instructions.

1. Work Area Safety

- a. **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
- b. **Consider work area environment.** Do not operate power tools in the presence of flammable liquids, gases or dust. Power tools will create sparks which may ignite combustible liquids, gases or dust.
- c. **Keep children and bystanders away.** All visitors should be kept away from work area. Distractions can cause you to lose control

2. Electrical Safety

- a. **Store idle tools.** When not in use, tools should be stored in a dry, high or locked-up place, out of the reach of children.
- b. **Guard against electric shock.** Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges, refrigerators etc.)
- c. **Do not abuse the cord.** Never carry tool by cord or yank it to disconnect it from wall outlet. Keep cord away from heat, oil, sharp edges and moving parts. Damage or entangled cords increase the risk of electric shocks.
- d. **Outdoor use extension cords.** When tool is used outdoors, use only extension cords intended for use outdoors and marked as such.
- e. **Use a residual current device (RCD) protected supply.** Use of a RCD will reduce the risk of electric shock to the user.
- f. **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.
- g. **Do not expose power tools to rain or wet conditions.** Water ingress will increase the risk of electric shock.

3. Personal Safety

- a. **Remain Alert and use common sense when operating a power tool.** Do not use a power tool when tired or under the influence of drugs, alcohol or medication. A moment of inattention can result in serious injury.
- b. **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts.
- c. **Use protective personal equipment.** Always wear eye protection. When using the product, the use of personal protection equipment e.g. gloves, ear protection, goggles, mask and protective shoes will reduce personal injury. Rubber gloves and non-slip footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.

ORIGINAL INSTRUCTIONS

- d. **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Do not carry plugged-in tools with your finger on the switch.
- e. **Disconnect tools.** Cut off the power when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- f. **Do not overreach.** Keep proper footing and balance at all times. This ensures optimum control of the tool.
- g. **Use dust extraction.** If dust extraction and collection devices are present on the tool, make sure that they will be used properly.

4. Power Tool Use and Care

- a. **Do not force tool.** It will do a better job and operate more safely at the rate for which it was intended.
- b. **Use the correct tool for the job.** Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for other than their intended purpose; for example do not use a circular saw for cutting tree limbs or logs.
- c. **Do not use tool if switch does not turn it on and off.** Any tool that cannot be controlled by the power switch is dangerous and must be repaired.
- d. **Store idle power tool out of the reach of children and do not allow persons** unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained or unskilled users.
- e. **Maintain tools with care.** Check for alignment or binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. Keep handles dry, clean and free from oil and grease. Before use inspect the tool to determine that it will operate properly and perform its intended function. Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories
- f. **Check for damaged parts.** Any


component of the tool that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in the instruction manual and if damaged, have them repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged.

- g. **Keep tools sharp and clean for better and safer performance.** Follow instructions for lubricating and changing accessories. The use of any other accessory or attachment other than recommended in the instruction manual may present a risk of personal injury
- h. **Remove adjustment tools and wrenches.** Checking to see that adjustment tools and wrenches are removed from the tool before switching it on.

5. Servicing

- a. **Have your tool serviced by a qualified repair person using only identical replacement parts.** This electric appliance is built in accordance with the relevant safety rules. Repair of electric appliances must only be carried out by experts otherwise it may cause considerable danger for the user.

ADDITIONAL SAFETY INSTRUCTIONS FOR TILE CUTTERS

 **WARNING! To avoid serious personal injury, read and become familiar with the Start Up and Lubrication process before making any cuts.**

WARNING! Personal injury could result from failure to wear the relevant Personal Protective Equipment or by not attaching the tile cutter securely to a secure surface.

1. Use cut-blade guard and spreader for every operation, including all through cutting.
2. Keep hands out of line of cut-blade.
3. Use push-stick when required. Store the tool safely when not in use

ORIGINAL INSTRUCTIONS

4. Pay attention to instructions about reducing risk of kickback.
5. Do not perform any operation freehand.
6. Do not use any cutting tool other than a diamond wheel.
7. Do not use diamond discs which are damaged or deformed
8. Don't use it for cutting of metallic materials or curve cutting. Doing so will damage the diamond disk or reduce its service life.
9. To assure work safety and stability, the guards should not be disassembled when cutting.
10. Be sure to use an earth leakage circuit breaker, isolating transformer or electric shock-preventive measures like an RCD (with a operating current not exceeding 30mA).
11. Only proceed with the cutting operating when full speed has been reached.
12. Should the tile cutter make any abnormal noises while operating, turn OFF the switch promptly.
13. Use push-sticks or push blocks to feed the work piece past the cutting disc.
14. Ensure the cutter guard is fitted and operating correctly.
15. Use only cutting disks for which the maximum possible speed is not less than the maximum spindle speed of the tool and the material to be cut.
16. When transporting the machine hold securely using the body of the machine not the guards or attachments.
17. During transportation the upper part of the saw blade should be covered by the guard.
18. Place the saw on a sturdy, flat working surface before you use it.
19. Check whether moving parts function perfectly and do not jam and ensure that none of the parts are damaged.
20. Always saw one tile at a time. Tiles placed on top of each other or side by side cannot be secured properly. They may block the cutting disk or move relative to each other.
21. Ensure that the cut pieces can move away from the side of the saw blade so that do not get caught by the blade.
22. Do not increase the pressure on the disk so that it slows down and stops.
23. Protect the cutting disk from shocks and blows; do not expose it to any lateral pressure.
Caution: the cutting disk will continue to turn after you have switched off.
24. The cutting disk will become very hot during use. Do not touch it until it has had chance to cool down.
25. Only use cutting disks that have been recommended by the manufacturer.



Warning! Wear a dust mask when you use the tool.

Some dust created by tile cutting contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

SYMBOLS



To reduce the risk of injury,
user must read instruction
manual



Warning



Wear eye protection



Wear ear protection



Wear dust mask

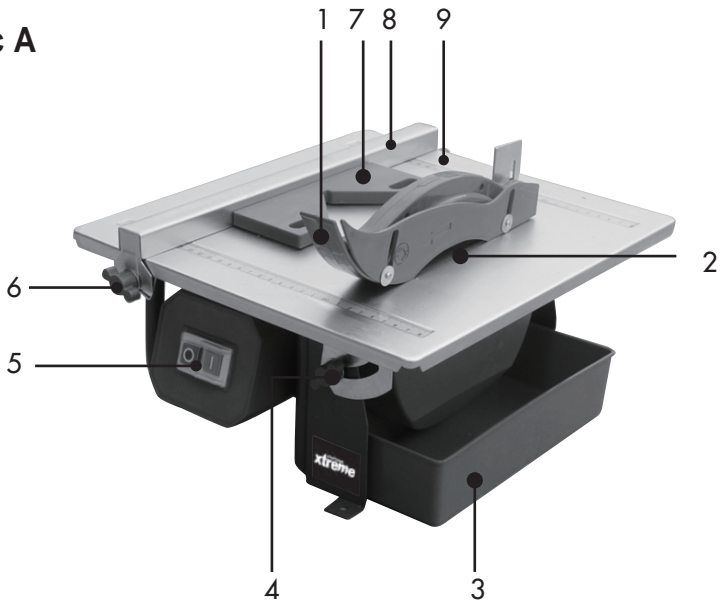


Waste electrical products
should not be disposed
of with household waste.



Please recycle where facilities
exist. Check with your local
authorities or retailer for
recycling advice.

Pic A



COMPONENT LIST

1. Disk guard
2. Diamond cutting disk
3. Water reservoir
4. Locking knob for angle adjust
5. On/Off switch
6. Locking knob for parallel guide
7. 45° cutting guide
8. Parallel guide
9. Cutting Table
10. Small spanner
11. Big spanner

CHECK THE DELIVERY PARTS

Carefully remove the machine from its packaging and check as the following parts are complete:


- 600W tile cutter
- 1 x 180mm diamond cutting blade (pre-assembled on the machine)
- 1 x parallel guide
- 2 x locking knobs and locking plate for parallel guide
- 1 x 45° cutting guide
- 1 x water reservoir
- 1 x disk guard
- 2 x spanners
- operating instructions

If any parts are missing or damaged, please contact your dealer

TECHNICAL DATA

Voltage	230-240V~50Hz
Input power	600W (S2 : 10 min)
No load speed	2950/min
Max cutting depth	34mm
Bevel degree	0-45°
Blade size	Ø180x22.2x2.2mm
Table Size	330 x 360 mm
Weight	8.8kg

NOISE INFORMATION

A weighted sound pressure	93dB(A)
A weighted sound power	106dB(A)
K _{PA} & K _{WA}	3.0dB(A)
Wear ear protection when sound pressure is over	80dB(A) 

ASSEMBLY

The machine has to be set up with a secure footing.

All the covers and safety devices must be fitted properly before starting

The diamond cutting wheel has to be able to run freely.

Before using you must:

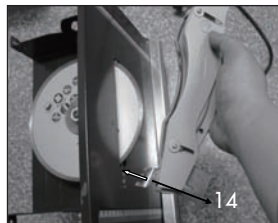
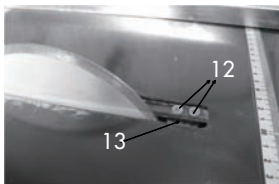
- Connect the machine to a socket outlet; check that the data on the rating plate are the same as those of your power supply.
- Check that all its parts are undamaged. Damaged parts have to be replaced. Read the instructions in this manual carefully when replacing parts or accessories.
- Make sure that the diamond cutting wheel is fitted and that all moving parts run smoothly.

Before every cut and while making every cut, make sure that the level of water covers the diamond part of the cutting wheel. Fill and top up the trough directly with cooling water.

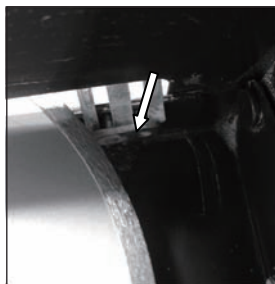
Before any work of assembly, make sure power plug is pulled out.

Mounting the disk guard

- a) Loosen the two screws (12) on the table, which will allow the guard fixing plate (13) to move away from the underside of the cutting table.



- b) Pivot the guard holder bracket (14) into the space between the guard fixing plate (13) and table.



- c) Tighten the two screws of the table. (12) Make sure the guard is fixed firmly as the picture.

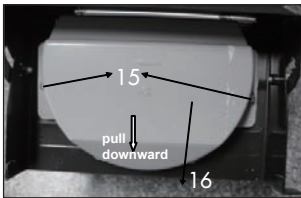


Changing the diamond cutting disk

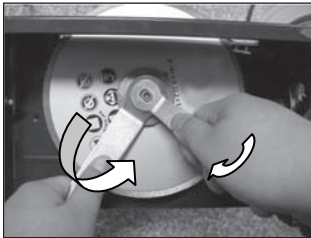
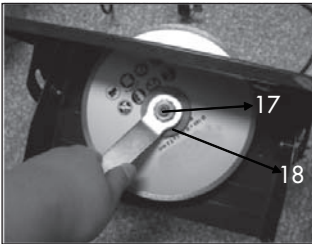
ORIGINAL INSTRUCTIONS

To replace a cutting disk, proceed as follows:

- a.) Take out the water reservoir 3.
- b.) Tilt your device left side up and remove the two screws(15) for the lower blade cover(16).



- d.) Remove the lower blade cover from base of the machine.
- d.) Place the big spanner (11) on the motor shaft locking nut.

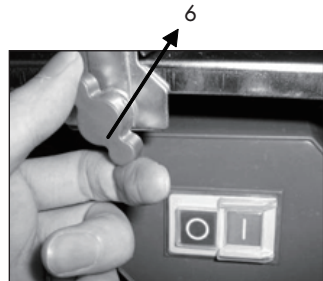


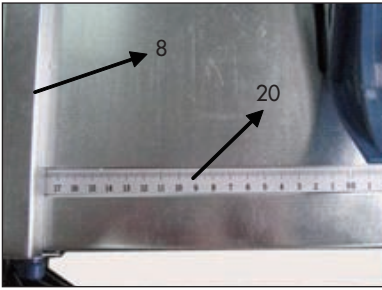
- e.) Using the big spanner (10) on the motor shaft, Loosen the locking nut(17) by turning the spanner(10) anticlockwise and hex wrench (11) clockwise and remove the nut(17), outer clamping washer(18) and the disk (9)
- f.) After you have removed the disk, clean the clamping washer thoroughly and lubricate the surface with filing oil.
- g.) Take out the old cutting disk and place a new disk on the flange, mount the outer clamping washer (18) and tighten with the nut (17).
- h.) Refasten the side cover (16)

Caution! Make sure the diamond cutting disk rotates in the correct direction!

Parallel guide

1. Assemble the locking knob(6) and locking plate (19) to the parallel guide(8) and loosen the locking knob (6) a few turns.
2. Slide the parallel guide (8) at the table.
3. Set the parallel guide(8) to the required distance. The setting can be read from the scale(20), note the two sides should be same distance

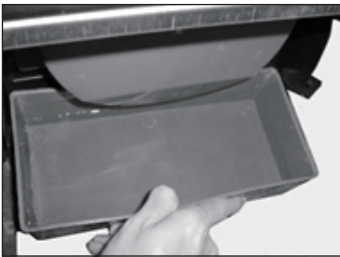




4. Tighten the locking knob on the guide (6).

Filling the water

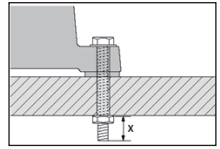
Fill the reservoir two-thirds of the way up with cold water and place it as picture showing. The water cools and lubricates the disc during cutting and it also helps to remove dust.



Assembly of the machine on the workbench

If the tile cutter is to be mounted on the bench.

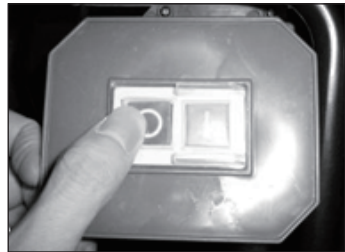
1. Mark on the established position of the two mounting holes located at the base of the tile cutter.
2. Drill a hole in each of the marked positions.
3. Place the grinder on the workbench and insert a bolt, with a washer fitted, through the mounting holes present at the base of workbench. Make sure that the length of the projection X (see drawing) is at least 15 mm for each bolt.
4. Place a nut on each bolt and tighten the nuts securely



OPERATION

On/Off switch

Your tile cutter is equipped with a magnetic switch located on the front of the machine. Press "I" (green button) to turn the cutter ON and the "O" (red button) for Off. Wait until the disk is running at full speed before cutting.



The switch is a safety switch, which will be cut out if electricity suddenly cuts off during operation. Once the electricity is on, the machine will not restart due to the safety switch. You need to repress the "I" (green button) to activate the cutter again.

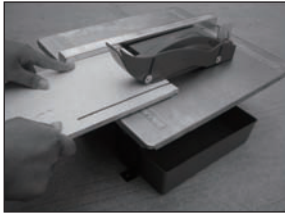
Plain cuts

Set the parallel guide to the required distance. Be aware the minimum guidance distance is 10cm.

Below picture shows the correct position of your hands when making plain cuts. Be sure to adapt the feed speed to the cutting capacity of the wheel. This will ensure that no material is catapulted off the tile, resulting in accidents or injuries.

ORIGINAL INSTRUCTIONS

Important! Always ensure there is sufficient water to cool the blade.



Diagonal Cuts

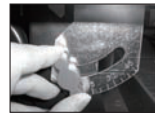
The 45° cutting guide (7) is used for 45° diagonal cuts.

1. Set the parallel guide to the required distance. Be aware the minimum guide distance is 10cm to make space for the cutting guide.
2. Place the 45° cutting guide (7) against the parallel guide.
3. Push the tile and cutting guide to make the diagonal cut as in below picture



Mitre cuts

1. Loosen the lock knob, one is at the front, and one at the rear of the machine.



2. Set the desired cutting angle according to the scale by lifting the left side of table and using the angular scale as a guide



3. Tighten the two knobs fix the position of the table

4. Below picture shows the correct position of your hands when making 45° mitre cuts. Use your right hand to keep the tile in contact with the diamond disk and the parallel guide and your left hand to feed the tile. Be sure to adapt the feed speed to the cutting capacity of the wheel. This will ensure that no material is catapulted off the tile, resulting in accidents or injuries.



MAINTENANCE

Attention: Never pull out the mains power plug. Remove dust and dirt regularly from the machine. Cleaning is best done with compressed air or a rag.

Never use caustic agents to clean plastic parts.



CAUTION!

When your cable is damaged, don't use it and get it replaced at once by a qualified person to avoid any danger!

PLUG REPLACEMENT

Your Power Tool is supplied with a fitted plug, however if you need to fit a new plug follow the instruction below.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

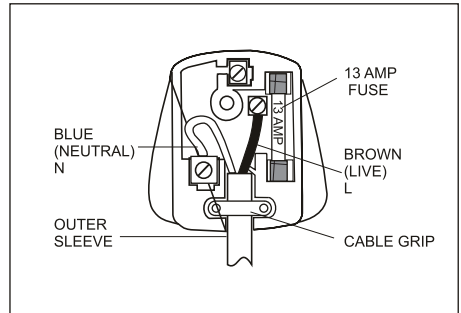
Blue = Neutral Brown = Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with **N**.

The wire which is coloured brown must be connected to the terminal which is marked with the letter **L**.

If a 13 AMP (BS 1363/A) Plug is used, a 13 AMP Fuse must be fitted, or if any other type of plug is used a 13 AMP Fuse must be fitted, either in the Plug or Adaptor, or on the Distribution Board.



Note: If a moulded plug is fitted and has to be removed take great care in disposing of the plug and severed cable, it must be destroyed to prevent engaging into a socket.

If the supply cord is damaged it must be replaced by a service agent or a similarly qualified person in order to avoid hazard.

DISPOSAL



Do not dispose of electrical appliances with your domestic waste!

The packaging comprises exclusively environmentally- friendly material. Dispose of it in your local recycling containers.

GUARANTEE

This product is selected for DOMESTIC USE ONLY and not for business use. This product is guaranteed against manufacturing defects for a period of 12 months. This does not cover the product where the fault is due to misuse, abuse, use in contravention of the instructions, or where the product has been the subject of unauthorised modifications or alterations, or has been the subject of commercial use. In the event of a problem with the product within the guarantee period please contact the service centre for assistance on 08454 505299. If the item is shown to have an inherent defect present at the time of sale, you will be provided with a replacement. Your statutory rights remain unaffected.

Guarantor: Home Retail Group, MK9 2NW

Argos Ltd

489-499 Avebury Boulevard
Saxon Gate West
Milton Keynes
Buckinghamshire
MK9 2NW

We hereby certify that the product stipulated above complies with all the relevant provisions of the following EC new approach directive/s.

This declaration of conformity is issued under the sole responsibility of the manufacturer

Type of Product: 600W Tile Cutting Machine

Model Number: TC180S

Cat / Article Number:7114597

Product Description:

Photograph:

Voltage: 230-240V ~ 50Hz
Input power: 600W (S2 : 10min)
No load speed : 2950/min
Max cutting depth: 34mm
Bevel degree: 0-45°
Blade size: Ø180x22.2x2.2mm
Table Size: 330 x 360 mm
Weight: 8.8kg



Applicable EC Directives		
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<input checked="" type="checkbox"/> 2006/42/EC (MD)	<input checked="" type="checkbox"/> 2004/108/EC (EMC)	<input type="checkbox"/> 1999/5/EC (R&TTE)
<input checked="" type="checkbox"/> 2006/95/EC (LVD)	<input type="checkbox"/> 2009/105/EC (Pressure)	<input checked="" type="checkbox"/> 2000/14/EC Annex , 2005/88/EC
<input type="checkbox"/> 2009/125/EC (ErP)	<input type="checkbox"/> 2009/48/EC (Toys)	<input type="checkbox"/> L _{WA} = 106dB(A), L _{PA} = 93dB(A), K=3dB(A)
<input type="checkbox"/> 2009/142/EC (Gas)	<input type="checkbox"/> 89/106/EEC (Construction)	<input type="checkbox"/> / /EC (Others)

Applicable Harmonized Standards:	Report Date	Verification of conformity Certificate	Notified Body
EN 61029-1:2009	2011-04-14	GS	TUV SUD
EN 55014-1/A1:2009 EN 55014-2/A2:2008 EN 61000-3-2/A2:2009 EN 61000-3-3:2008	2012-02-17	EMC	TUV SUD
EC Type approval certificate number			

Issued number: 1.0

Issued on : 2012-5-30

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Name : Roger Pantou-Kent

Position: QA

Position: Head of Quality Assurance