

# Clarke<sup>®</sup>

## CONTRACTOR<sup>®</sup>



## WALL CHASER

MODEL NO: CON1450WC

PART NO: 6462165

## OPERATION & MAINTENANCE INSTRUCTIONS



LS0109

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## **INTRODUCTION**

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Thank you for purchasing this CLARKE Wall Chaser.

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 which will be required as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should 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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# GENERAL SAFETY RULES

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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. SAVE THESE INSTRUCTIONS.**

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## WORK AREA

1. **Keep work area clean and well lit.** Cluttered and 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.

## 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 cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

## 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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. **Avoid accidental starting. Ensure the switch is in the off position before plugging in.** Carrying power tools with your finger on the switch or plugging in 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 these devices can reduce dust related hazards.

## POWER TOOL USE AND CARE

1. **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.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.** Such preventative safety measures reduce the risk of starting the power tool accidentally.
4. **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 power tool.** Power tools are dangerous in the hands of untrained users.
5. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **Use the power tool, accessories and tool bits etc., in accordance with these instructions and in the manner intended for the particular type of power tool, 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.

## SERVICE

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.

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## ADDITIONAL SAFETY RULES FOR WALL CHASERS

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1. **Always use guard provided with the tool. The guard must be securely attached to the power tool and positioned for maximum safety, so the least amount of wheel is exposed towards the operator. Position yourself and bystanders away from the plane of the rotating wheel.** The guard helps to protect operator from broken wheel fragments and accidental contact with wheel.
2. **The rated speed of the cutting discs must be at least equal to the maximum speed marked on the power tool.** Cutting discs running faster than their rated speed can break and fly apart.
3. **Cutting discs must be used only for recommended applications.** Side forces applied to these discs may cause them to shatter.
4. **The arbor size of the cutting discs and flanges must properly fit the spindle of the power tool.** Discs and flanges with arbor holes that do not match the mounting hardware of the power tool will run out of balance, vibrate excessively and may cause loss of control.
5. **Do not use damaged cutting discs. Before each use, inspect the discs for chips and cracks. If power tool or wheel is dropped, inspect for damage or install an undamaged disc. After inspecting and installing the disc, position yourself and bystanders away from the plane of the cutting disc and run the power tool at maximum no load speed for one minute.**
6. **Hold the power tool only by the insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord.** Contact with a "live" wire will also make exposed metal parts of the power tool "live" and shock the operator.
7. **Position the cord clear of the cutting discs.** If you lose control of the power tool, the cord may be cut or snagged and your hand or arm may be pulled into the cutting disc.
8. **Never lay the power tool down until the cutting discs have come to a complete stop.** The cutting discs may grab the surface and pull the power tool out of your control.
9. **Do not run the power tool while carrying it at your side.** Accidental contact with the cutting disc could snag your clothing, pulling the accessory into your body.

## KICKBACK AND RELATED WARNINGS

Kickback is a sudden reaction to a pinched or snagged cutting disc. Pinching or snagging causes rapid stalling of the rotating wheel which in turn causes the uncontrolled power tool to be forced in the opposite direction of the wheels rotation.

1. **Maintain a firm grip on the power tool and position your body and arm to allow you to resist kickback forces. Always use auxiliary handle, if provided, for maximum control over kickback or torque reaction during start-up.** The operator can control torque reactions or kickback forces, if proper precautions are taken. Never place your hand near the cutting disc. The wall chaser may kickback over your hand.
2. **Do not position your body in the area where the power tool will move if kickback occurs.** Kickback will propel the tool in the direction opposite to the wheel's movement at the point of snagging.
3. **Use special care when working corners, sharp edges, etc. Avoid bouncing and snagging the accessory.** Corners, sharp edges or bouncing have a tendency to snag the rotating accessory and cause loss of control or kickback.
4. **Do not attach a saw chain woodcarving blade or toothed saw blade.** Such blades create frequent kickback and loss of control over the power tool.
5. **Do not "jam" the cut-off wheel or apply excessive pressure. Do not attempt to make an excessive depth of cut.** Overstressing the wheel increases the loading and susceptibility to twisting or binding of the wheel in the cut and the possibility of kickback or wheel breakage.
6. **When wheel is binding or when interrupting a cut for any reason, switch off the power tool and hold the power tool motionless until the wheel comes to a complete stop. Never attempt to remove the cut-off wheel from the cut while the wheel is in motion, otherwise kickback may occur.** Investigate and take corrective action to eliminate the cause of wheel binding.
7. **Do not restart the cutting operation in the workpiece. Let the wheel reach full speed and carefully re-enter the cut.** The wheel may bind, walk up or kickback if the power tool is restarted in the workpiece.
8. **Use extra caution when making a "pocket cut" into existing walls or other blind areas.** The protruding wheel may cut gas or water pipes, electrical wiring or objects that can cause kickback.

# ELECTRICAL CONNECTIONS



**WARNING! Read these electrical safety instructions thoroughly before connecting the product to the mains supply.**

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the rating plate. This product is designed to operate on 230VAC 50Hz. Connecting it to any other power source may cause damage.

This product may be fitted with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted, following the wiring instructions shown below. The old plug must be disposed of safely, as insertion into a mains socket could cause an electrical hazard.

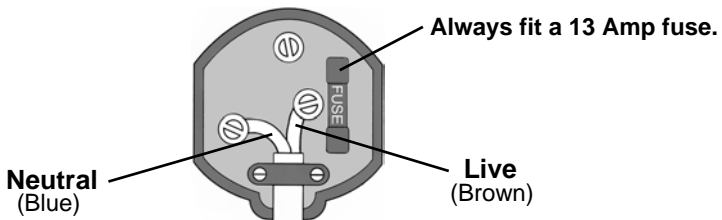


**WARNING! The wires in the power cable of this product are coloured in accordance with the following code:  
Blue = Neutral    Brown = Live**

If the colours of the wires in the power cable of this product do not correspond with the markings on the terminals of your plug, proceed as follows.

- The wire which is coloured **Blue** must be connected to the terminal which is marked **N** or coloured **Black**.
- The wire which is coloured **Brown** must be connected to the terminal which is marked **L** or coloured **Red**.

**Plug must be BS1363/A approved.**



**Ensure that the outer sheath of the cable is firmly held by the clamp**

We strongly recommend that this machine is connected to the mains supply via a Residual Current Device (RCD)

If in any doubt, consult a qualified electrician. DO NOT attempt any repairs yourself.



**This symbol indicates that this is a Class II product, and does not require an earth connection.**

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## BEFORE USE

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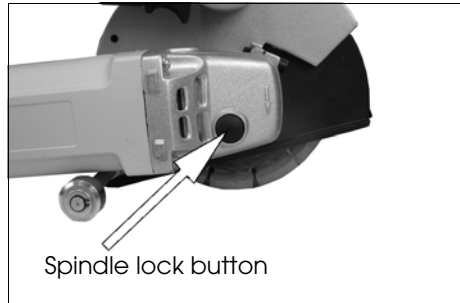
### WHAT'S SUPPLIED

Unpack your wall chaser and make sure that the following items are present. Should there be any damage caused during transit contact your Clarke dealer immediately.

- 1 x Wall Chaser
- 1 x Pin Spanner
- 1 x Attachable Handle
- 1 x Breakout Chisel
- 1 x 5mm Hex Key
- 1 x Dust Extraction Attachment
- 2 x Cutting Discs (150mm Diameter x 22.2mm Bore)

### SPINDLE LOCK BUTTON.

When mounting or changing the cutting discs, the spindle lock button prevents the spindle from turning when you unscrew and remove the outer flange (using the Pin Spanner provided).



**WARNING: NEVER PRESS THE SPINDLE LOCK BUTTON WHEN THE UNIT IS RUNNING.**

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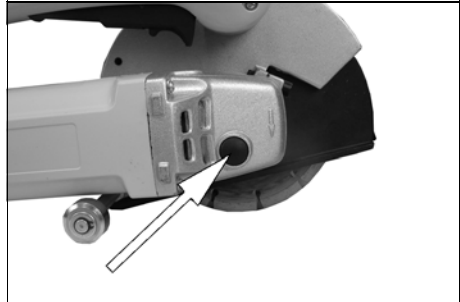
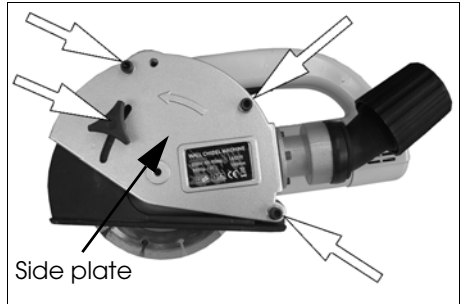
## REPLACING THE CUTTING DISCS



**WARNING:** Disconnect the plug from the power source before making any adjustments or changing accessories.

**NOTE:** Always replace both discs at the same time.

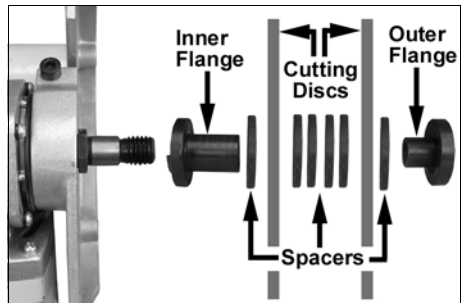
1. Remove the depth adjustment knob by hand and 3 bolts indicated using the 5mm hex key supplied.
2. Lift off the side plate.
3. Press and hold the spindle lock button.
4. Use the Pin Spanner supplied to release the outer flange



### SETTING THE CUTTING WIDTH

The cutting width is determined by the number of spacer discs you put in between the discs.

- The cutting width is equal to:  
The thickness of the 2 blades (2 x 2.5 mm) + the thickness of the spacers.
- Make sure that the inner flange is seated properly and the flat section has engaged with the flat part at the base of the spindle.



**NOTE:** All spacers must be used to prevent the blades from wobbling. simply place the spacers on the outside of the cutting discs to make the cutting width narrower.

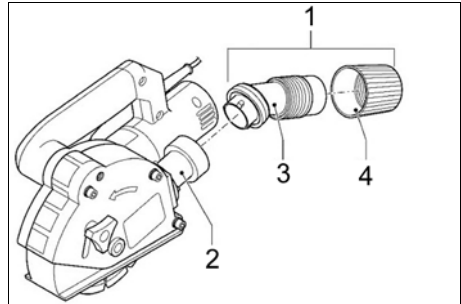
5. Replace the side plate and secure with the depth adjustment knob and 3 bolts you removed in step 1.



## FITTING THE DUST EXTRACTION ASSEMBLY

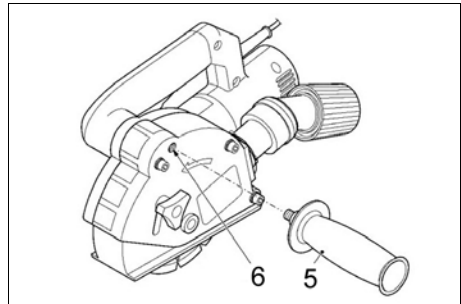
Attach the dust extraction assembly to the wall chaser.

- Insert the assembly (1) into the extraction port (2) and rotate slightly clockwise to lock into place.
- Remove the collar (4) and slide it over the vacuum cleaner hose.
- Push the hose onto the dust extraction tube (3).
- Secure in place by tightening up the collar (4).



## FITTING THE ATTACHABLE HANDLE

Screw the handle (5) into the hole (6) shown on the wall chaser.

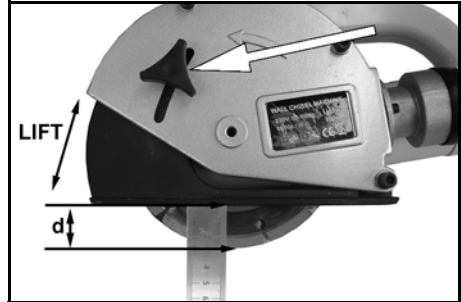


# OPERATION

## ADJUSTING THE CUTTING DEPTH

1. Loosen the depth adjustment knob.
2. Raise/lower the baseplate.
3. Use a ruler as shown to measure the depth of the blade ( $d$ ).
4. Tighten the depth adjustment knob.

**NOTE:** The depth of cut should be 3mm deeper than the required slot depth, this is to compensate for any inaccuracies when you break away the resulting fin after cutting.



## SWITCHING ON / OFF

- To switch on the wall chaser, press the on/off switch
- To switch off the wall chaser, release the on/off switch

## USING THE WALL CHASER

- Slots in structural walls are subject to the Standard DIN1053 Part1, or country-specific regulations. These regulations are to be observed under all circumstances.
- The permitted slot depth and width depends on the slot length, wall thickness and the building material used.

1. Mark the surface to be worked.
2. Keep the wall chaser in an upright position.
3. Move the wall chaser across the surface using the guide wheel.
4. Move at a constant speed, do not force the wall chaser.
5. Remove the remaining material using the breakout chisel supplied.



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# MAINTENANCE

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**WARNING: MAKE SURE THAT THE WALL CHASER IS SWITCHED OFF AND DISCONNECTED FROM THE MAINS SUPPLY BEFORE STARTING ANY CLEANING OR MAINTENANCE PROCEDURES.**

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With the exception of changing the blade there are no user serviceable parts in this unit.

After use,

- Clean away any accumulated dust.
- Check the condition of the cutting disc for signs of cracking, and discard immediately if apparent.
- Keep the cooling vents clear.
- Clean the housing with a soft cloth. Any worn or damaged parts should be replaced by qualified personnel.
- Refer to qualified service personnel if internal maintenance is required. Always store in the carrying case supplied.

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## SPECIFICATIONS

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	<b>CON1450WC</b>
Electrical Supply	230V @ 50Hz
Power Rating	1450W
Part Number	6462165
Disc Bore	22.2 mm
Disc Diameter	150 mm
Disc Thickness	2.5 mm
Cutting Depth	8-40 mm
Cutting Width	8-30 mm
Guaranteed Sound Power dB $L_{Wa}$	106.9 dB
Vibration	<2.5m/s <sup>2</sup>
Protection Class	II
Dimensions (L x W x H)	430 x 190 x 250 mm
Weight	5 Kg

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## PARTS AND SERVICING

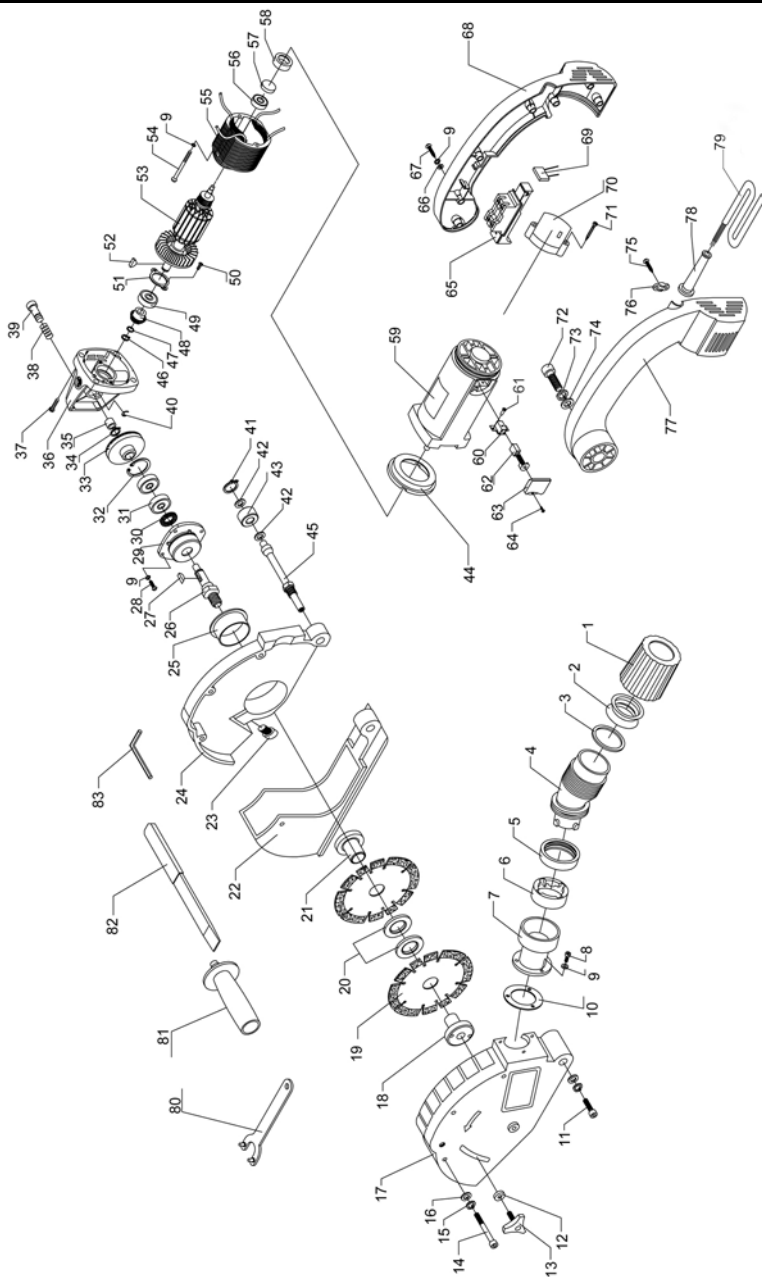
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For Parts & Servicing, please contact your nearest dealer, or  
CLARKE International, on one of the following numbers

**PARTS & SERVICE TEL: 020 8988 7400**  
**PARTS & SERVICE FAX: 020 8558 3622**  
**or e-mail as follows:**

PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)  
SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)

# EXPLODED DIAGRAM - PARTS LIST



# EXPLODED DIAGRAM - PARTS LIST

NO	DESCRIPTION	PART NO
1	Dust extraction	CON1450WC01
2	Rubber ring	CON1450WC02
3	Free ring	CON1450WC03
4	Bend tube	CON1450WC04
5	Sealed ring	CON1450WC05
6	Connect tube	CON1450WC06
7	Aluminium connect	CON1450WC07
8	Screw	CON1450WC08
9	Washer	CON1450WC09
10	Rubber ring	CON1450WC10
11	Screw	CON1450WC11
12	Washer	CON1450WC12
13	Knob	CON1450WC13
14	Screw	CON1450WC14
15	Spring Washer	CON1450WC15
16	Washer	CON1450WC16
17	Out guard	CON1450WC17
18	Out flange	CON1450WC18
19	Cutting disc	CON1450WC19
20	Distance washer	CON1450WC20
21	Flange	CON1450WC21
22	Depth adjustment	CON1450WC22
23	Screw	CON1450WC23
24	Inner guard	CON1450WC24
25	Nip cover	CON1450WC25
26	Output shaft	CON1450WC26
27	Woodruff key	CON1450WC27
28	Screw	CON1450WC28
29	Front cap	CON1450WC29
30	Felt	CON1450WC30
31	Bearing	CON1450WC31
32	Circlip	CON1450WC32
33	Large gear	CON1450WC33
34	Circlip	CON1450WC34
35	bearing	CON1450WC35
36	Gear box	CON1450WC36
37	Screw	CON1450WC37
38	Spring	CON1450WC38
39	Spindle lock	CON1450WC39
40	Circlip	CON1450WC40
41	Screw	CON1450WC41
42	Roll wheel	CON1450WC42

NO	DESCRIPTION	PART NO
43	Roll sheath	CON1450WC43
44	Washer	CON1450WC44
45	Shaft	CON1450WC45
46	Circlip	CON1450WC46
47	Washer	CON1450WC47
48	Pinion gear	CON1450WC48
49	Bearing	CON1450WC49
50	Screw	CON1450WC50
51	Bearing cord	CON1450WC51
52	Woodruff key	CON1450WC52
53	Rotor	CON1450WC53
54	Screw	CON1450WC54
55	Stator	CON1450WC55
56	Bearing	CON1450WC56
57	Inductive magnet ring	CON1450WC57
58	Bearing cover	CON1450WC58
59	Stator housing	CON1450WC59
60	Brush holder	CON1450WC60
61	Screw	CON1450WC61
62	Brush	CON1450WC62
63	Brush cap	CON1450WC63
64	Screw	CON1450WC64
65	Switch	CON1450WC65
66	Washer	CON1450WC66
67	Screw	CON1450WC67
68	Right rear cover	CON1450WC68
69	Capacitor	CON1450WC69
70	Electronics regulator	CON1450WC70
71	Screw	CON1450WC71
72	Screw	CON1450WC72
73	Spring Washer	CON1450WC73
74	Washer	CON1450WC74
75	Screw	CON1450WC75
76	Cord anchorage	CON1450WC76
77	Left rear cover	CON1450WC77
78	Cord guard	CON1450WC78
79	Cable	CON1450WC79
80	Wrench	CON1450WC80
81	Side handle	CON1450WC81
82	Chisel	CON1450WC82
83	Hex key	CON1450WC83
84	Wind guard	CON1450WC84

# 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):

- 89/336/EEC *Electromagnetic Compatibility Directive, (amended 93/68/EC).*
- 73/23/EEC *Low Voltage Equipment Directive, (amended 93/68/EEC)*
- 98/37/EC *Machinery Directive*
- 2002/95/EC *Restriction of Hazardous substances*

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

- BS EN 55014-1:2000+A1, BS EN 55014-2:1997+A1, BS EN 61000-3-3:1995+A1,*
- BS EN 61000-3-2:2000, EN 60745-1:2003+A1*

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: **2003**

**Product Description:** Wall Chaser  
**Model number(s):** CON1450WC  
**Serial / batch Number:** N/A  
**Date of Issue:** 13/01/08

**Signed:**

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

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Cranes, body repair kits, transmission jacks for all types of workshop use.

### WATER PUMPS

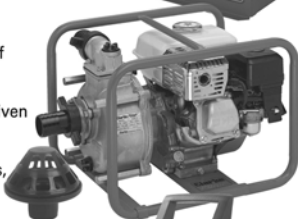
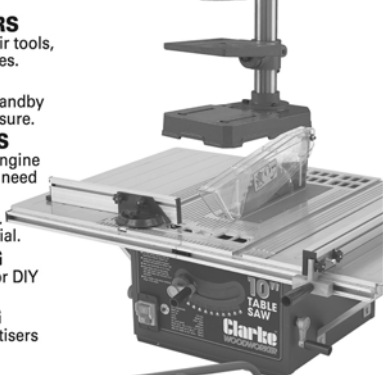
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