

# CLARKE®

## METALWORKER



### HEAVY DUTY BUFFER/POLISHER

MODEL NO: CHDB500

PART NO: 6500492

### OPERATION & MAINTENANCE INSTRUCTIONS

UK  
CA | CE



ORIGINAL INSTRUCTIONS

DL0123 - ISS 2

---

## INTRODUCTION

---

Thank you for purchasing this CLARKE heavy duty buffer/polisher.

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.

---

## GUARANTEE

---

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.


---

## ENVIRONMENTAL PROTECTION

---



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

 In effect, this means that this product must not be disposed of with general household waste but according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognized disposal facility.

If disposing of this product or any damaged components, do not dispose of with general waste. This product contains valuable raw materials. Metal products should be taken to your local civic amenity site for recycling of metal products.

---

# POWER TOOL SAFETY WARNINGS

---

## 1) WORK AREA

1. **Keep the 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.

## 2) ELECTRICAL SAFETY

1. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce the risk of electric shock.
2. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
3. **Do not abuse the power cable. Never use it for carrying, pulling or unplugging the power tool. Keep the power cable away from heat, oil, sharp edges or moving parts.** Damaged or entangled cables increase the risk of electric shock.
4. **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.
5. **If operating the power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.**

## 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 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 wrench before turning the power tool on.** A wrench left attached to a rotating part 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.

#### 4) POWER TOOL USE AND CARE

1. **Do not force the power tool.** Use the correct accessories for your application. The correct power tool will do the job better and safer at the rate 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 changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. **Store idle tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate it.** 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 tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. **Use the power tool and accessories in accordance with these instructions and in the manner intended, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from intended could result in a hazardous situation.
7. The performance of this tool may vary, depending upon variations in line voltage. Extension cable usage may also affect performance.

#### 5) SERVICE

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

#### 6) BUFFER SPECIFIC WARNINGS






1. **DO NOT get the buffer/polisher wet** or use in damp or wet locations.
2. **DO NOT switch the buffer/polisher on whilst the mop is in contact with the workpiece.**
3. **Avoid polishing dissimilar metals with the same buffing mop;** galvanic corrosion may occur.

4. **DO NOT** touch the workpiece immediately after polishing as it may be hot.
5. **DO NOT** touch the buffing mop whilst operating or whilst plugged into the mains power.
6. **DO NOT** leave the buffer/polisher running unattended.
7. When not in use, switch the buffer/polisher off and unplug from the power supply.

---

## SAFETY SYMBOLS

---

	Read the manual and safety instructions before use			Eye protection should be worn
	Ear protection should be worn			Dust mask should be worn
	HAZARD, Motor gets hot			

# ELECTRICAL CONNECTIONS




**WARNING: READ THESE ELECTRICAL SAFETY INSTRUCTIONS FULLY BEFORE CONNECTING THE PRODUCT TO THE MAINS SUPPLY.**

This product is provided with a standard, 230 volt (50Hz), BS 1363 plug, for connection to a standard, domestic electrical supply. Should the plug need changing, make sure that a plug of identical specification is used.

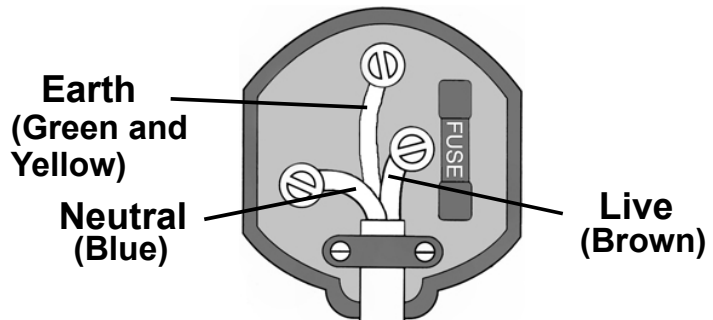


**WARNING: THE WIRES IN THE CABLE ARE COLOURED AS FOLLOWS:  
BLUE = NEUTRAL    BROWN = LIVE    YELLOW AND GREEN = EARTH**

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

- Connect the **blue** wire to the terminal marked **N**.
- Connect the **brown** wire to the terminal marked **L**.
- Connect the **yellow and green** wire to the terminal marked **E** or .
- See the specification table for the correct fuse size.

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



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

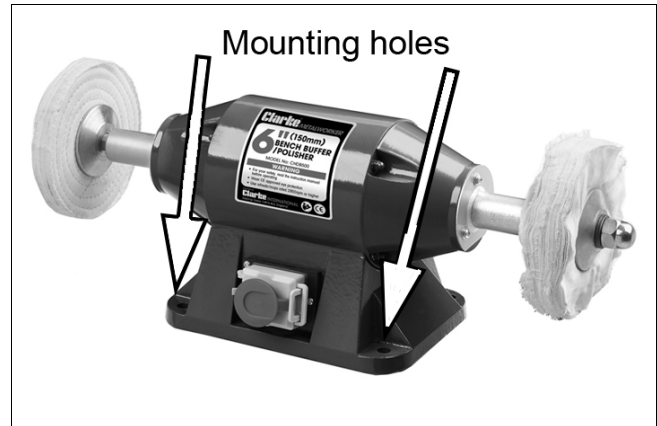
**AN APPROVED RESIDUAL CURRENT DEVICE (RCD) WHICH HAS A TRIPPING CURRENT OF LESS THAN 30MA MUST BE USED.**

If you are not sure, consult a qualified electrician. DO NOT try to do any repairs.

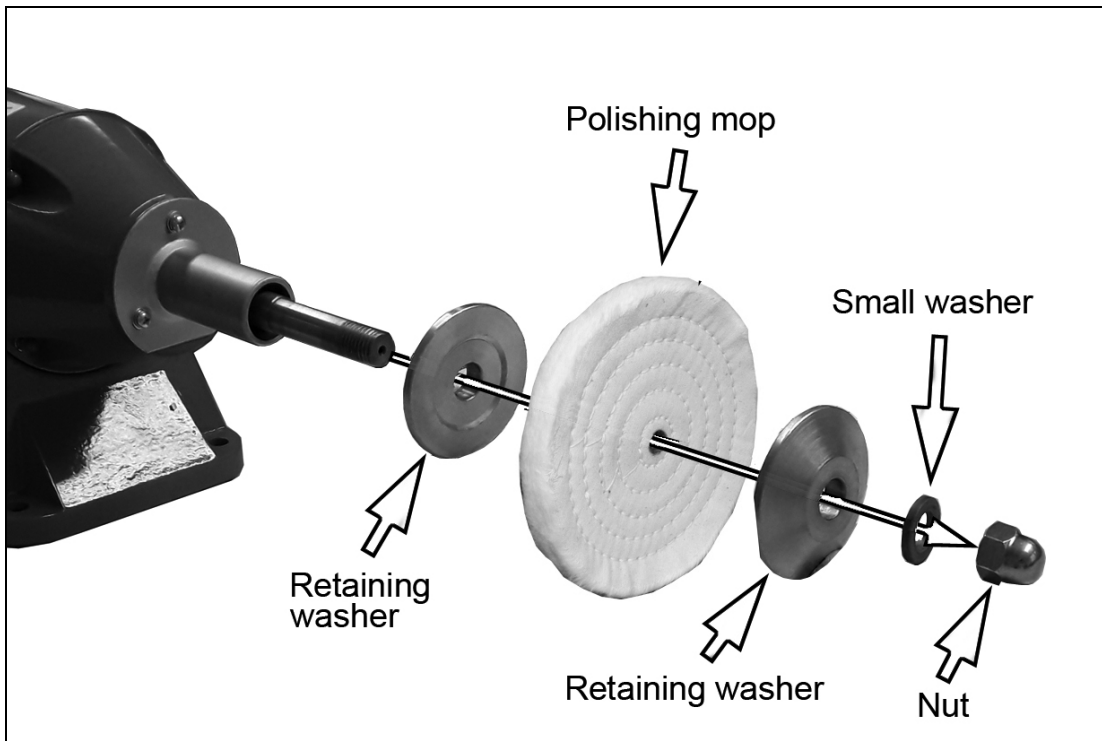
# ASSEMBLY

## MOUNTING THE BUFFER

1. Bolt the buffer to a workbench using the mounting holes shown.
  - Check that all nuts and bolts are secure before turning the machine on.



## FITTING BUFFING/POLISHING MOPS



1. Place the polishing mop between the retaining washers and secure with the small washer and retaining nut, hand tight.
  - The shaft threaded ends are handed LH and RH.
2. Tighten the nuts enough to grip without crushing the buffing/polishing mop.

---

## USING YOUR BUFFER

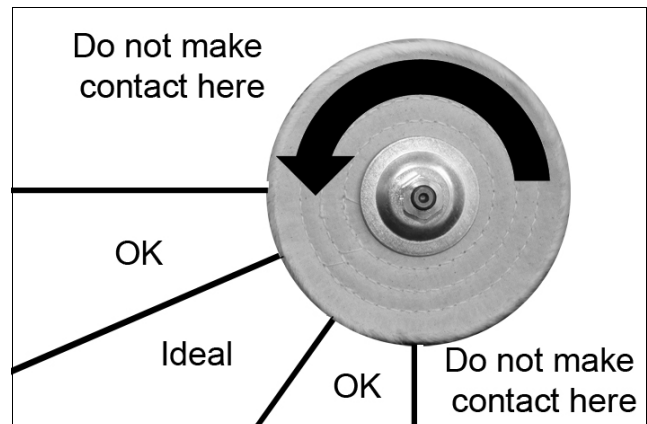
---



**WARNING: BEFORE COMMENCING WORK, ENSURE YOU HAVE READ AND UNDERSTOOD ALL OF THE SAFETY INSTRUCTIONS**

1. Plug the buffer into the power supply.
2. Switch the buffer on.
3. Slowly bring the workpiece into contact with the buffing/polishing mop.

- See the image on the right to determine the safest and best position for contact with the mop.
- DO NOT contact the mop outside of the quadrant.



4. After use, unplug the buffer from the power supply and clean ready for next use.

---

## MAINTENANCE

---



**WARNING: MAKE SURE THAT THE BUFFER IS UNPLUGGED FROM THE MAINS POWER SUPPLY BEFORE PERFORMING ANY MAINTENANCE.**

1. Regularly inspect the buffing mop and replace when worn.
2. Keep the buffer clean and dry. DO NOT use abrasives.
3. The motor and bearings are sealed for life and require no maintenance.

## CLEANING & STORAGE

1. Clean the exterior the machine if required using a mild detergent or mild solvent.
2. Never immerse the buffer in water.



## SPECIFICATIONS

	<b>CHDB500</b>
Dimensions (D x W x H)	595 x 195 x 200 mm
Weight	13.45 kg
Rated Input Power	500W
Fuse Rating	5 Amp
Rated Voltage / Frequency	230V / 50Hz
IP rating	IP40
Rated Speed	2850 rpm +/-5%
Buffing Mop Diameter	150 mm
Drive shaft diameter	16 mm
Duty cycle classification	S2 /30 minutes
Sound pressure	68 dB
Sound power measured	81dB
Sound power guaranteed	81dB

## REPLACEMENT POLISHING MOPS

	Type	Part Number
150mm Replacement polishing mops	Stitched	6500493
	Open	6500494

# DECLARATION OF CONFORMITY - UKCA

UK  
CA

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

Hemnall 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 statutory requirement(s):**

*Electromagnetic Compatibility Regulations 2016*

*Supply of Machinery (Safety) Regulations 2008*

*The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012*

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

*EN ISO 12100:2010, EN 62841-1:2015+AC:2015, EN 62841-3-4:2016+A11:2017+A12:2020,*

*EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019, EN ISO 3744:1995, IEC 62321-5:2013,*

*IEC 62321-4:2013, IEC 62321-7-2:2017, IEC 62321-7-1:2015, IEC 62321-6:2015.*

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

**The UKCA mark was first applied in: 2023**

**Product Description:** 6" 500W Heavy Duty Bench Buffer/Polisher  
**Model number(s):** CHDB500  
**Serial / batch Number:** N/A  
**Date of Issue:** 03/01/2023

**Signed:**



**J.A. Clarke**  
Director

# DECLARATION OF CONFORMITY - CE



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

Fitzwilliam Hall, Fitzwilliam Place, Dublin 2

## 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 the Use of Certain Hazardous Substances in Electrical & Electronic Equipment (RoHS) Directive*

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

- EN ISO 12100:2010, EN 62841-1:2015+AC:2015, EN 62841-3-4:2016+A11:2017+A12:2020,*
- EN IEC 61000-6-4:2019, EN IEC 61000-6-2:2019, EN ISO 3744:1995, IEC 62321-5:2013,*
- IEC 62321-4:2013, IEC 62321-7-2:2017, IEC 62321-7-1:2015, IEC 62321-6:2015.*

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: 2020**

**Product Description:** 6" 500W Heavy Duty Bench Buffer/Polisher  
**Model number(s):** CHDB500  
**Serial / batch Number:** N/A  
**Date of Issue:** 03/01/2023

**Signed:**

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

A SELECTION FROM THE VAST RANGE OF

**Clarke**®

**QUALITY PRODUCTS**



**AIR COMPRESSORS**

From DIY to industrial, Plus air tools, spray guns and accessories.

**GENERATORS**

Prime duty or emergency standby for business, home and leisure.

**POWER WASHERS**

Hot and cold, electric and engine driven - we have what you need

**WELDERS**

Mig, Arc, Tig and Spot. From DIY to auto/industrial.

**METALWORKING**

Drills, grinders and saws for DIY and professional use.

**WOODWORKING**

Saws, sanders, lathes, mortisers and dust extraction.

**HYDRAULICS**

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

**WATER PUMPS**

Submersible, electric and engine driven for DIY, agriculture and industry.

**POWERTOOLS**

Angle grinders, cordless drill sets, saws and sanders.

**STARTERS/CHARGERS**

All sizes for car and commercial use.

**PARTS & SERVICE:**

**0208 988 7400**

**Parts Enquiries**

**Parts@clarkeinternational.com**

**Servicing & Technical Enquiries**

**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)