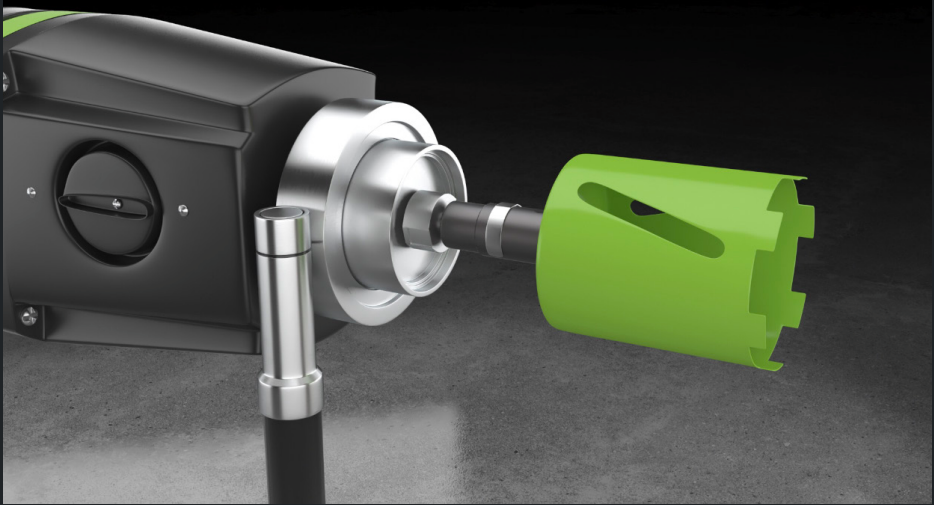


CLIPACORE[®]

The Boss



OPERATING MANUAL

Key Features



1. Clipacore Quick Release Drill Adaptor designed for interchangeable core bits
2. Variable Handle Adjustment on Collar
3. Powerful 2 Speed Gearbox, 1000 RPM / 2,000 RPM
4. Electronic Soft Start Temperature Control and Current Cut-Off
5. Mechanical Safety Clutch
6. 230v or 110V
7. Quick Release Extension Bar (supplied)

Health and Safety

Warning notices:



General safety warning



Dangerous voltage warning



Risk of Burning



Risk of crushing

PPE Notices:



Use ear protection



Wear safety goggles



Wear a safety helmet



Use protective gloves



Wear safety footwear



Wear a dust mask

You must always wear the correct and PPE during operation.

Technical Data

The Clipacore Diamond Core Drill

Rated Voltage	230V	110V
Power Input	1700W	1500W
Rated Current	8.3A	14.2A

Frequency:	50/60Hz
Max Drilling diameter	152mm
Bit Holder:	Quick release Drill adaptor
Collar diameter:	53mm
Protection class:	II
Degree of protection:	IP20
Weight:	ca. 6.8Kg
Interference suppression acc.to:	EN5514 and EN610000

Gear	Rated Speed	No-Load Max RPM	Drilling Dia.
I	0-1000rpm	0-1500rpm	152mm
II	0-2000rpm	0-3000rpm	82mm

Contents

1. Diamond Core Drill
2. Quick Release Extension Bar
3. Transport Case
4. Manual

Application For Intended Purpose

The **Clipacore Diamond Core Drill** is intended only for professional trade use, and must be operated only by trained personnel.

Safety Instructions



To ensure safe and proper use of the XPRESSCUT Dry Diamond Core Drill Bit the contents of the manual must be fully read and understood prior to any operation. Prior to first using the Drill, the user must be fully trained to use. Save all related instructional material for future reference.



If at any point the power cord of the Drill is damaged, immediately cease any use, the Drill must never be used if there is any damage to the power cord.



Inspect around the intended Drill area before commencing use, ensure the area is free of all water pipes and power cables. If Drilling vertically, ensure that the area below is clear, as the core could potentially fall downward.



The Drill must not be operated if wet or in a humid environment.

- Do not operate the Drill in any area where there is a risk of explosion.
- Do not operate the Drill when on a ladder.
- Do not Drill into any materials which contain asbestos.
- Never carry the Drill by its cable, always carry with two hands on the main body and handle.
- If there is any damage to the cable, consult a specialist for repairs.
- Do not power the Drill with the button pressed on.
- Ensure that the Drill is removed from the power when not in use.
- Remove the power if the Drill is malfunctioning for any reason.
- Do not use the Drill if it's main body, switch, cable, or plug is damaged.
- Ensure that the power cable is leading away from the Drilling position prior to use.
- Inspect the tool at regular intervals to assess any damage or irregular wear.
- Always operate the Drill with two hands.

- Keep handles; dry, clean, and free from oil and grease.
- Do not touch any rotating part during operation.
- Users must be over the age of 16.
- Ensure that all persons in the near vicinity of operation are wearing appropriate PPE.
- **During manual operation, always hold the tool with two hands, and be aware of your surroundings.**
- **Concentrate when Drilling, operate with awareness.**
- **Take care when Drilling diameters over 100mm, be aware of the risks.**

Electrical Connection

- The Clipacore diamond Core Drill is designed in accordance with protective class II. Prior to operating the Drill check the mains voltage for conformity.
- Voltage variations between +6% and -10% are permissible.
- The Drill features a soft start function, which helps prevent incorrect usage.
- Only use extension leads with a sufficient cross-section, an incorrectly rated extension lead could result in a drop in performance and overheating of the Drill and cable.

Mains Voltage	Cross section in sq. mm	
	1.5	2.5
110V	20m	40m
230V	50m	80m

Electrical Connection

For manual drilling the Clipacore Diamond Core Drill must be used with the additional handle provided. Unscrew the handle to loosen the collar, then place over the gearing collar of the Drill, then turn in a counter-clockwise rotation to secure in place.

ON and OFF Function

Short operation

On: Press the ON/OFF switch

OFF: Release the ON/OFF Switch

Long Operation

On: Keeping the ON/OFF button held, push in the arrestor button.

OFF: Press and release the ON/OFF switch again.



Caution

Use the arrestor button only during use with a Drilling rig. If at any point the Drill malfunctions, immediately cease use of the arrestor button by pressing the ON/OFF switch.

The Clipacore Diamond Core Drill features an electronic switch which regulates the RPM based on the pressure on the button. Only use the low speed function to limit excessive material spread over a small time. Excessive operation of the low speed function can damage the Drill as the motor is not supplied with enough cooling air that is usually provided from high speed operation.

Changing Gears

The Clipacore Diamond Core Drill features a 2 gear select system. Users must adjust the speed according to the Drilling diameter.

If the turn knob is not turning fully, slightly turn the spindle. This will ease the gear changing.



Warning

Do not force the gear change, the turn knob should turn smoothly.
Never use tools to change the gear.

Drilling

Always wear appropriate PPE when operating the Drill. If at any point a core bit becomes jammed, do not operate the Drill to remove, just use a pulling force. If at any point a core bit becomes jammed, DO NOT operate the tool to try to remove. Operating the tool when the core bit is stuck can cause premature wear on the Drill. If the Drill is in this condition, turn the core bit left and right to remove.

Core Bits

Use only the appropriate Core Bits for the material being Drilled. Ensure that any bits used are in working condition and not deformed or beyond usage. Diamond segments on core bits must have sufficient cutting clearance towards the bit body.

Changing Core Bits



After operating the Drill, the core bits will be dangerously hot to touch. In order to remove, use protective gloves or allow the core bit time to cool down. Failure to do so could result in mild to severe burns.

Core bits can be quickly changed by releasing the quick release clip from the core adaptor, and simply sliding off the core adaptor from the Drill adaptor. To secure a core adaptor to the Drill adaptor, slide on and align the apertures before securing the quick release clip.

Overload Protection

The Clipacore Diamond Core Drill is fitted with an electrical, mechanical, and thermal protection overload to protect the operator.

- Mechanical:** In the event of the Drill jamming while in operation, The Drill is fitted with a limiting kickback feature which limits the torque delivered to the user to a minimum.
- Electrical:** If the feed force is too large, the electrical overload protection will cut off the Drill. Switch the plug off and on to reset operation.
- Thermal:** If the temperature exceeds a safe limit, the Drill will not operate. Allow time for the Drill to cool before operating again.

Safety Clutch

The slip clutch protects the tool from shocks and overload, and prevents severe injury to the user. The slip clutch must not slip for more than 2 seconds. If the slip clutch is excessively worn, consult an authorized service centre for repairs.

Care and Maintenance



Disconnect the Clipacore Diamond Core Drill from power source before commencing any repair or maintenance procedures.

Repairs and/or maintenance must only be performed by qualified or experienced persons.

Upon completion of any repair or maintenance, the Drill must be inspected by an electrical specialist.

The following routine maintenance procedures must be carried out in regular intervals.

- The Drill must be cleaned after each use. Ensure the ventilation slots are clear of any dust or debris. Ensure no liquid is poured directly onto the Drill during cleaning.
- After approx. 250 hours of operation, the carbon brushes must be analysed, and if necessary replaced by an authorized specialist. (Must be replaced by original carbon brushes).
- The Drill must be inspected quarterly with an electrical specialist to deem the switch, cable, and plug safe to use.

We have a helpful after-sales service team for any help, advice or spare parts information.

The service team will gladly answer any questions concerning the Drill and any accessories.

Environmental Protection



Dispose of the Drill in an appropriate way, raw material recycling instead of waste disposal. The product and it's accessories are supplied in durable packaging, which reduce the damage during transit. All of the packaging, the Drill itself, and subsequent components are made form recyclable material, which can be disposed of in a suitable recycling centre.



EU Only

Do not dispose of the Drill with regular household waste.

In observance of European Directive 2012/19/EC regarding waste electrical and electronic equipment and its implementation in accordance with national law, electric tools that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Noise Emission

Noise emission is measured in accordance to EN62841-2-1. The level of acoustic pressure on work sites could exceed 85dB (A); in this case appropriate ear protection must be used.

Typical hand-arm vibration is below 2.5m/s².

Measured values determined in accordance to EN 62841-2--1. The declared vibration emission level represents the main application of the tool. If the Drill is used for any different applications, poorly maintained, or using different accessories the vibration emissions may differ. This may significantly increase the exposure level to vibration over the same period.

An estimate of the exposure levels must also be considered when the tool is switched off, or is running, but not being used for Drilling. Identify and implement additional safety measures to reduce exposure to vibration; ensure the Drill and accessories are well maintained, keep hands warm, organise work patterns to reduce exposure to vibration.

Dust Protection

Dust from materials such as lead based paint, some species of wood, minerals, and metals can be harmful when inhaled. Contact or inhalation with this type of dust can cause allergic reactions and/or respiratory diseases to the operator or person(s) in the near vicinity. Certain types of dusts are classed as carcinogenic such as oak and beech dust, especially in conjunction with additives for wood conditioning (chromate, wood preservatives).

Materials containing asbestos must be handled by specialists.

- Where possible, always use dust extraction methods.
- To achieve a high level of dust extraction, use an industrial vacuum cleaner (category M) for wood and/or minerals together with the Drill.
- Ensure working area is well ventilated.
- Use of a class P2 dust mask is recommended.

Warranty

According to the general supply conditions for business dealings, suppliers must provide companies with 12 months warranty for redhibitory defects. (Must be documented in invoice or delivery note.)

Damage due to natural wear. Damage from improper handling or operation are excluded from the warranty.

Damage due to material defects or production faults shall be eliminated FOC by either repair or replacement.

Complaints will be accepted only if the Drill is returned in non-dismantled condition to the manufacturer, or an authorised service centre.

EC/UK Declaration of Conformity

This declaration of conformity is issued under the sole responsibility of Carl Kammerling International Ltd.

To Whom It May Concern:-

We declare that the product detailed in this document are in conformity with the relevant UKCA legislation, tested for full compliance in accordance with the requirements of the relevant product standards and legislation applicable relating to dimensional conformity, material quality and the testing requirements as applicable.

Item Description	Applicable product Standards
QCTBD110V Clipacore boss Drill 110V QCTBD230V Clipacore boss Drill 230V  	Dual CE/UKCA marked in compliance with all relevant provisions of the directives 2011/65/EU, 2014/30/EU, 2006/42/EC including their amendments and complies with the following standards: BS DIN EN 62841-1:2016-07 BS DIN EN 62841-2-1:2020-07 BS DIN EN 55014-1:2017/A11:2020 BS DIN EN 55014-2:2021-04-01 BS DIN EN 61000-3-2+A1:2019-03-05 BS DIN EN 61000-3-3:2020-07 BS DIN EN IEC 63000:2019-05  The Products are marked in compliance with WEEE regulations Compliant with RoHS 2011/65/EU and amendment 2015/863 on the restriction of hazardous substances in electrical and Electronic equipment. Compliant with REACH Regulation (EC No. 1907/2006) – contains no SVHC substances of very high concern.

Condition of materials, as despatched: As per our Catalogue Specification

Deviations (e.g. concession): None

The documentation in support of this declaration are held at our Pwllheli Site.

The quality control arrangements adopted in respect of these supplies have been in accordance with our BS EN ISO 9001:2015 approval: Certificate No 10277529

Signed by Ian Depledge:



Position: _Quality and Environment Manager

For & On Behalf of Carl Kammerling International Ltd Date: 17th May 2023
Registered in England No. 764323 – VAT No. GB158 9648 06

CLIPACORE[®]

The Boss

enquiries@clipacore.com
www.clipacore.com

Distributed into plumbing
and heating sector by:
Nerrad Tools Ltd - 01758 704 724



In partnership with:
Carl Kammerling International Ltd - 01758 701 070

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