

Clarke[®]

CONTRACTOR[®]



1050 WATT HAMMER DRILL

Model No: CHD1050

Part No: 6480210

USER INSTRUCTIONS



Thank you for purchasing this CLARKE 1050W Hammer Drill, which is designed for light industrial use only.

Please read this instruction leaflet thoroughly and follow the instructions carefully, in doing so you will ensure the safety of yourself and that of others around you, this will also ensure that the 1050W Hammer Drill will give you long and satisfactory service.

Please keep these instructions in a safe place for future reference.

CLARKE GUARANTEE

This CLARKE 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 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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DECLARATION OF CONFORMITY

We declare that this product complies with the following directive:
98/37/EC

signed: 
ENGINEERING MANAGER




Waste electrical products should not be disposed of with household waste. Please dispose of at your local recycling facility.

Please Note that details and specifications herein, are correct of time of going to print.
However CLARKE International reserve the right to change specifications at any time without prior notice.
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GENERAL SAFETY PRECAUTIONS

⚠ WARNING: ⚠

PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE OPERATING

As with all machinery, there are certain hazards involved with their operation and use. Exercising respect and caution will considerably lessen the risk of personal injury. However, if normal safety precautions are overlooked or ignored, personal injury to the operator or damage to property, may result.

- **ALWAYS** Learn the machines applications, limitations and specific potential hazards peculiar to it. Read and become familiar with the entire operating manual.
- **ALWAYS** use a face or dust mask if operation is dusty.
- **ALWAYS** check for damage before use , any damaged part should be checked to ensure that it will operate properly and perform it's intended function. Check for alignment of moving parts, breakage of parts, mountings, and any other condition which may effect the machines operation. Any damage should be properly repaired or the part replaced . If in any doubt DO NOT use the machine. Consult your local dealer.
- **ALWAYS** disconnect the tool/machine from the power supply before servicing and when changing accessories.
- **ALWAYS** wear safety goggles, manufactured to the latest European safety standards. Everyday glasses do not have impact resistant lenses, they are NOT safety glasses.
- **ALWAYS** wear ear protectors to protect your hearing.
- **ALWAYS** keep work area clean. cluttered areas and benches invite accidents.
- **ALWAYS** ensure that adequate lighting is available. A minimum intensity of 300 lux should be provided. Ensure the lighting is placed so you will not be working in your own shadow.
- **ALWAYS** keep children away. All visitors should be kept at a safe distance from the work area, especially whilst operating the machine.
- **ALWAYS** maintain machine in top condition. Keep tools/machines clean for best performance. Follow maintenance instructions.
- **ALWAYS** handle with extreme care, do not carry the tool/machine by it's electrical cable, or yank the cable to disconnect it from the power supply.
- **ALWAYS** concentrate on the job at hand, no matter how trivial it may seem. Be aware that accidents are caused by carelessness due to familiarity.
- **ALWAYS** wear proper apparel. Loose clothing or jewellery may get caught in moving parts. Wear protective hair covering to contain long hair.

GENERAL SAFETY PRECAUTIONS CONTINUED

- **ALWAYS** keep your proper footing and balance at all times DO NOT over reach. For best footing wear rubber soled footwear. Keep floor clear of oil, scrap wood etc.
- **ALWAYS** use recommended accessories, the use of improper accessories could be hazardous.
- **ALWAYS** remove plug from the electrical outlet when adjusting, changing parts, or when working on the machine.
- **NEVER** operate the machine when under the influence of drugs, alcohol or any medication.
- **NEVER** leave the machine running unattended. Turn power OFF. Do not leave the machine until it comes to a complete stop.
- **NEVER** force the machine, it will do a better and safer job at the rate for which it was designed.
- **NEVER** use power tools in damp or wet locations or expose them to rain. Keep your work area well illuminated. Do NOT use in explosive atmosphere (around paint, flammable liquids etc.). Avoid dangerous environments.
- To reduce the risk of electric shock use a suitable RCD (residual current device).

ADDITIONAL PRECAUTIONS FOR POWERTOOLS

- **ALWAYS** check that the drill bit is properly locked into the chuck BEFORE starting work and that it is appropriate for the material being cut.
- **ALWAYS** secure all work sufficiently using a vice or clamps. Do not use hands to secure work as this would be extremely dangerous.
- **ALWAYS** switch the machine OFF immediately the task is completed, and remove any drill bits.
- **ALWAYS** check that all adjusters, chuck keys and wrenches have been removed BEFORE turning the tool on.
- **ALWAYS** ensure safety devices are in place and are working correctly, if not DO NOT use the machine until rectified.
- **DO NOT** use the machine if the electrical cable, plug or motor are in poor condition.
- **DO NOT** allow the ventilation slots in the machine to become blocked.
- **DO NOT** touch the drill bit immediately after use, allow time to cool.
- **AVOID** accidental starting, by switching off and isolating from the main electrical supply by removing the plug from the socket when not in use.

ELECTRICAL CONNECTIONS



This product is provided with a standard 13 amp, 230 volt (50Hz) BS1363 plug, for connection to a standard, domestic electrical supply. Should the plug need replacing at any time, ensure that a plug of identical specification is used.

WARNING:

This appliance is double insulated.

Should it ever be necessary to change the plug, the wires in the mains lead should be wired according to the following colour code:

BLUE - NEUTRAL
BROWN - LIVE

- Connect the BLUE coloured wire to the plug terminal marked with a letter 'N' or coloured BLACK.
- Connect the BROWN coloured wire to the plug terminal marked with a letter 'L' or coloured RED.

IMPORTANT!:

If this appliance is fitted with a plug which is moulded on to the electrical cable (i.e. non-rewireable) please note:

- The plug **MUST** be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
- **NEVER** use the plug without the fuse cover fitted.
- Should you wish to replace a detached fuse carrier, ensure that the correct replacement is used (as indicated by marker or colour code).
- The fuse in the plug **MUST** be replaced with one of the same rating (**13amps**) and this must be approved to BS1362.

IMPORTANT!:

If in any doubt, do not attempt any electrical repair yourself. Consult a qualified technician.

IMPORTANT!:

Always use an approved cable extension suitable for the power rating of this tool (see specifications), the conductor size should also be at least the same size as the machine, or larger. When using a cable reel, **ALWAYS** unwind the cable completely.

SETUP AND OPERATION



1. Trigger
2. Variable Speed Control
3. Forward/Reverse Control
4. Trigger Lock Button
5. Speed Selection
6. Drill/Hammer Drill Selection
7. Chuck
8. Auxiliary Handle

BEFORE plugging into the mains supply briefly pull the trigger and release to ensure the drill trigger lock is not set in the 'lock' position.

Using the Chuck:

To insert a drill bit, open the chuck jaws by rotating the chuck sleeve anticlockwise until the jaws are open sufficiently to take the drill bit. Place the drill bit in the jaws of the chuck as far as it will go. Insert the chuck key in one of the three holes in the chuck and turn in a clockwise direction. Make sure that the head of the chuck key is located on the cog barrel of the chuck when tightening.

Remove the chuck key before operating the drill.

To remove the bit, release the jaws by inserting the chuck key in one of the holes and turning in an anticlockwise direction.

To Switch on:

Plug into a 13amp socket and squeeze the trigger.

Continuous Operation:

Squeeze the trigger and lock by pressing the trigger lock button, squeeze the trigger again briefly to unlock the trigger. The motor will then stop.

Speed Selection:

The speed is varied by applying more or less pressure on the trigger. The maximum speed may be pre-selected by turning the variable speed control and by selecting one of the two speeds on the speed selection knob (turn the knob until the number is aligned with the arrow on the drills' body).

NOTE: This operation should only be performed when the drill is at a complete stop.



SETUP AND OPERATION CONTINUED

Forward / Reverse Selection:

Push the forward/reverse selection switch to the left hand position marked '↑' for normal rotation.

Push the forward/reverse selection switch to the right hand position marked '↓' for reverse rotation.

NOTE: This operation should only be performed when the drill is at a complete stop.

Hammer Drill Selection:

Rotate the drill/hammer drill mode selection switch so that the hammer symbol is aligned with the arrow on the drills body.

NOTE: This operation should only be performed when the drill is at a complete stop.

Normal Drill Selection:

Rotate the drill/hammer drill mode selection switch so that the drill symbol is aligned with the arrow on the drills body.

NOTE: This operation should only be performed when the drill is at a complete stop.

Fitting and Adjusting the Auxiliary Handle:

BEFORE starting this procedure disconnect the drill from the mains supply by removing the plug from the socket.



MAINTENANCE

- ALWAYS ensure the tool is isolated from the electrical supply, by switching OFF and removing the plug from the 13 amp socket before commencing any maintenance activities or adjustments etc.
- Clean the tool regularly, use a soft brush and or soft cleaning cloth. DO NOT use any chemicals or harsh abrasives to clean the tool.
- At the end of work, to prevent dust deposits you should use a compressed air (max.3 bar) to clean out the ventilation holes.
- If excessive sparking or speed faults occur consult your CLARKE dealer.

Please note that the chuck is not designed to be changed. It is secured by a single centre screw which has a LEFT HAND THREAD, and is glued into place.

Should it become necessary to change the chuck, it will be necessary to secure the old chuck in a vice, open the jaws sufficiently to insert a cross head screwdriver. The screw head should be struck sharply in order to break the seal before attempting to unscrew, in a CLOCKWISE direction.

PARTS LIST

ITEM:	DESCRIPTION:	PART NO:
1.	Key-Less Chuck	HT105001
2.	Key-Less Chuck Securing Screw	HT105002
3.	Auxiliary Handle Assembly	HT105003

WARNING: The use of spare parts or accessories, other than those supplied by CLARKE international or one of its recognised dealers, may be hazardous and could invalidate the guarantee.

HAND-ARM VIBRATION

Employers are advised to refer to the HSE publication “Guide for Employers”.

All hand held power tools vibrate to some extent, and this vibration is transmitted to the operator via the handle, or hand used to steady the tool. Vibration from about 2 to 1500 herz is potentially damaging and is most hazardous in the range from about 5 to 20 herz.

Operators who are regularly exposed to vibration may suffer from Hand Arm Vibration Syndrome (HAVS), which includes ‘dead hand’, ‘dead finger’, and ‘white finger’. These are painful conditions and are widespread in industries where vibrating tools are used.

The health risk depends upon the vibration level and the length of time of exposure to it.....in effect, a daily vibration dose.

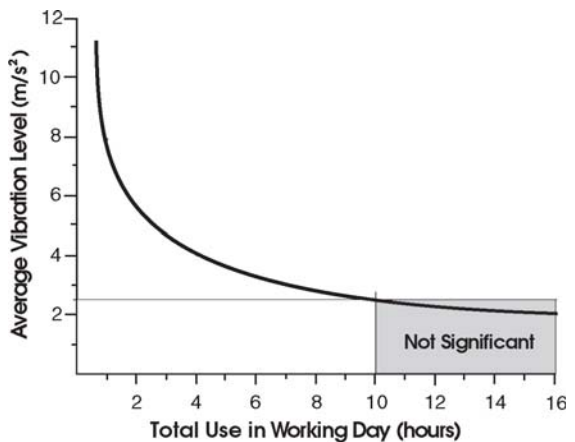
Tools are tested using specialised equipment, to approximate the vibration level generated under normal, acceptable operating conditions for the tool in question. For example, a grinder used at 45° on mild steel plate, or a sander on softwood in a horizontal plane etc.

These tests produce a value ‘a’, expressed in metres per second per second, which represents the average vibration level of all tests taken, in three axes where necessary, and a second figure ‘K’, which represents the uncertainty factor, i.e. a value in excess of ‘a’, to which the tool could vibrate under normal conditions. These values appear in the declaration on page 7.

You will note that a third value is given in the specification - the highest measured reading in a single plane. This is the maximum level of vibration measured during testing in one of the axes, and this should also be taken into account when making a risk assessment.

‘a’ values in excess of 2.5 m/s² are considered hazardous when used for prolonged periods. A tool with a vibration value of 2.8 m/s² may be used for up to 8 hours (cumulative) per day, whereas a tool with a value of 11.2 m/s² may be used for ½ hour per day only.

The graph below shows the vibration value against the maximum time the respective tool may be used, per day.



The uncertainty factor should also be taken into account when assessing a risk. The two figures ‘a’ and ‘K’ may be added together and the resultant value used to assess the risk.

It should be noted that if a tool is used under abnormal, or unusual conditions, then the vibration level could possibly increase significantly. Users must always take this into account and make their own risk assessment, using the graph as a reference.

Some tools with a high vibration value, such as impact wrenches, are generally used for a few seconds at a time, therefore the cumulative time may only be in the order of a few minutes per day. Nevertheless, the cumulative effect, particularly when added to that of other hand held power tools that may be used, must always be taken into account when the total daily dose rate is determined.

NOTES

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For spare parts and servicing, please contact your nearest dealer, or Clarke International on

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