Using the Diamond Drilling Machine

- Wear protective equipment including ear defenders and goggles.
- Check there are no hidden cables or pipes before drilling.
- If core drilling into a slab or block of masonry that is not yet part of a fixture, it should be securely clamped or held in a vice.
- Always grasp the machine with two hands on the handles provided. The on/off switch can be controlled with either the right or left hand.
- Do not try to change speed or direction of rotation of the core drill or switch the hammer action on or off while the machine is running.
- Keep the core drill rotating while drilling and when withdrawing the drill bit.
- When withdrawing the drill bit on completion of drilling the hole, take care that the core of masonry which may inside the core drill does not fall out injuring feet.
- Stop the machine and unplug before removing the core of masonry or any rubble from inside
- Keep the cable clear of the core drill and any sharp edges on the work.
- If the cable appears to be cut or damaged in any way, switch off the machine and unplug at the mains before inspecting it. If the cable attached to the diamond drilling machine is damaged stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
- 11. Take care not to accidentally pull the plug from the socket.
- 12. Switch off and remove the plug from the socket before leaving the diamond drilling machine unattended
- 13. If the equipment does not work properly, do not attempt to repair it. Contact the hire company.

Keep this leaflet safe as it may be required for reference at a future date







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OF IL WILL OVERTIE & AND COULD CALCIT THE. places where vehicles might run over it. Unroll it fully doorways or windows where it might be trapped and Lay it out carefully avoiding liquids, sharp edges



than 50 metres (160 feet) should rated extension cable of no longe menucions, a sunably neavy company. If the hire company instructions given by the hire It an extension cable is required, follow any special

tructions supplied with it. Use the "TEST" button to check the RCD is working each time it is used. Reset the RCD according to the

if the cable or machine is damaged. help protect against electric shock machine into the RCD, this will TITEL Plug the 230 volt socket. eth of into the directly into the USE A FESIOUAI CUFFET DEVICE

230 VOLT EQUIPMENT (SQUARE PIN OR BLUE PLUG)

Unroll it fully or it will overheat and could catch fire. trapped and places where vehicles might run over it. sparp edges, doorways or windows where it might be rsy the extension cable out carefully avoiding liquids,

extension cable must only be used between the suitably rated heavy duty 110v extension cable should be used, not longer than 50 metres (160 feet). The instructions given by the hire company. If the hir company have not given any special instructions, If an extension cable is required, follow any special



socket. Do not use any 230v extension If using a portable transformer plug the transformer directly into the 230 volt 110 VOLT EQUIPMENT (YELLOW PLUG)

Read the instructions delow for the machine. fitted or a blue industrial plug. 530v machines will have either a normal square pin piug

110v machines will have a yellow industrial plug fitted. The machine will only operate on one voltage: 110v or 230v ELECTRICAL SAFETY

TUTNED OTT (WATER TAP/VAIVE TUTNED OTT).. peen switched off, unplugged and any water supply Do not disconnect any water hose until the drill has

- Ensure adequate water flow to the core drill when supplied water collection equipment, use it.
- er can drain away safely. If the hire company Ensure the wastewater will not cause damage. Check OI CIESTI WATER EITHER TROM THE MAINS OF A WATER TANK
- It using water as a coolant, ensure an adequate supply ranslly with a vacuum dust extraction system.
- need 'dry', that is, used without water as a coolant, Hand held diamond drills are designed primarily to be

INAJOUS A SA RETAW

increase the depth that the core drill can penetrate. of the core drill/machine combination. This does not Extension bars can be used to extend the overall length 100mm (16") long.

drilled right through. Core drills are available up to the brick or masonry remains inside the core drill until Ensure the core drill is long enough to go right through the wall or floor to be drilled. Remember the 'core' of

core bit; this pilot bit can be just pulled from the core shank, with a drive peg that locates in the slot in the The pilot bit may have a larger diameter boss on the special drill tool to remove it.

The pilot bit may have a taper shank and will require a











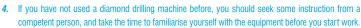
Diamond Drilling Machine – Hand Held

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE you use the Diamond Drilling Machine

0514 Diamond drill - hand held - 110/230v

- Electricity can be hazardous and must always be used with great care.
- Plan how to tackle the job and try to foresee any problems that may occur in order to work safely around them.
- This diamond drilling machine may cause injury to persons or damage property if it is not handled and used carefully and



- If using water to cool the core drill and to clear the dust and particles, ensure the electrical parts and connections do not get wet.
- This hand held diamond drilling machine is designed to drill large diameter holes through masonry, brick and concrete in walls and floors.
- The following items of personal protective equipment must be worn: Impact Resistant goggles; dust mask - minimum of FFp2(s) protection; ear muffs or plugs giving protection at the ear for levels up to 80 dB(A); suitable protective gloves; rcd if using a 230/240volt (mains) supply.
- This machine must not be used by minors or by anyone under the influence of drugs or alcohol.
- This diamond drilling machine is designed for operation by an able bodied adult. Anyone with either a temporary or permanent disability must seek expert advice before using the machine













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quiled without the pilot bit. the hold has a good start. The rest of the core can be The pilot bit should be removed from the core bit once keep it central while starting. Targer core drills use a pilot drill within the core bit to

section headed "Water as a coolant" below. company for the material being drilled. digne core dins as reconnicioned by the file e with water as a coolant. Use only the correct Diamond core drills are designed either for 'dry' use or before changing the core drill.

Switch the diamond drilling machine off and unplug it оп тае актопа-апшад таспіпе, клом пом то stop it

CORE DRILLS

- Ensure you understand the controls. Before switching tits between the machine and the core drill bit. pe a dust extraction head or water coolant adaptor that
- On some diamond drilling machines there will either The settings are correct before commencing work.
- Most hand-held diamond core drilling machines can the increased torque. unless confident the machine can be controlled with
- up to 150mm (6.). Do not attempt to dril large noies hand held drill is suitable for use with core drills arger diameter core drills. drills, a slower speed should be used when using
- Though higher speeds can be used with smaller core the rotational speed of the core drill. the drilling. More pressure on the trigger will increase

SIOWIY IT THE TRIGGET IS SQUEEZED GENTLY IN ORDER TO STAFT sensitive trigger that allows the core drill to rotate Most hand-held diamond core drilling machines operate at more than one speed. Some have a speed blue industrial plug.

WIII NAVE EITNET & NOTTNAI SQUATE PIN PIUG TITTED OF A

y will have provided a portable transformer if are designed to run off a special 110v supply. The hin not try to force connections or improvise them. Machines with a cylindrical yellow industrial plug fitted are decigned to cup off a special 41 fly supply. The bits Check the plug on the machine matches the supply. Do use the diamond drilling machine – contact the hire Check the drilling machine, cable, plug and all other equipment. If anything is found to be damaged do not

Machines designed to run directly from 23UV mains

supplied, take care not to injure yourseff when trying

required to power the machine from a mornial mains

If a portable transformer has been

to move it about - it may be heavier than it looks

DIAMOND DRILLING MACHINE vear appropriate personal protective equipment.

Anyone who is working close-by will also need to dust mask (minimum FFp2(s) protection) must be woom to protect from dust particles, etc. If water is not being used as a coolant an appropriate give protection at the ear.

d must be worn to holds must be worn to This machine is likely to cause noise levels up to 80

Impact resistant goggles must be worn when working nay require a higher level of protection. (PPE) are the minimum that should be worn whenever this machine is used. Particular jobs or environments may require a bisher layel of proposition LUE TOLIOWING ILEMS OF PERSONAL PROJECTIVE EQUIPMENT

SHOTARIANO

Ensure there are no hidden electric cables or service warn people of the danger. around the 'breakthrough' zone and post a lookout to

people may be present on the other side, erect barriers If the core drill is likely to break through a wall where others to keep away. Barrier off work area.

Protect other people from the noise and debris. Warn is close-by or could cause distraction

Make sure the area is clear and safe and that no-one detroi or gas cylinders.

is a danger of explosion. It will ignite fumes from Do not use this diamond drilling machine where there

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Before Starting Work...