For guidance on managing construction health risks go to
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0222 Safety Guidance
110/230V v:032017

Banner Plant
PART OF HENRY BOOT

Masonry Saw Bench

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 using the Masonry Saw Bench

1. Electricity is dangerous and must always be used with great care.
2. This masonry saw is designed to cut blocks of concrete, masonry, brick, and, similar materials using the appropriate abrasive or diamond wheel.
3. The action of this masonry saw bench could cause injury or damage if the machine is not used in a careful and controlled way.
4. If the masonry saw has not been used before, the operator should familiarize themselves with the machine on some straightforward work before starting on the main task.
5. The work should be planned and thought out to ensure that the work is carried out safely.
6. The following personal protective equipment should be worn as a minimum:
   Impact resistant goggles: EN166 – B or BS2092 grade 1;
   Dust mask – a minimum of EN149 FFP3(s) protection.
   Gloves.
7. This masonry saw bench must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This masonry saw bench is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.

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Using Masonry Saw Bench

1. Protective equipment must be worn including ear defenders, dust mask and goggles.
2. Switch off and wait for the machine to stop completely before making adjustments or fitting or changing the wheel.
3. Check that the cutting wheel is fitted correctly and that the guard is properly adjusted.
4. If using water as a coolant or lubricant, check it is flowing correctly.
5. Make sure that the saw is running at full speed before starting to cut.
6. Be prepared for the reactive force when the wheel contacts the surface to be cut.
7. If the saw starts to labour and slow down, do not force it so hard. Do not overload the saw. Keeping the wheel speed p is more effective than aggressive pressure.
8. Towards the end of the cut be prepared for the off-cut to come free.
9. The machine can only cut in straight lines. It should not be used to cut round corners.
10. Stop the saw if someone approaches the work area.
11. Switch off and unplug before leaving the masonry saw bench unattended.
12. If the equipment does not work properly, do not attempt to repair it. Contact the hire company.

Please keep this leaflet safely as it may be required for future reference

v:032017

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Before Starting Work...

WORK AREA

1. Do not use this masonry saw bench where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. Make sure that the area is clear and safe and no-one is around that could cause a distraction.
3. Protect other people from the noise and dust. Others should be warned to keep away.
4. Do not use this saw in the rain or where the electrical parts might get wet.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you use this machine. Particular jobs or environments may require a higher level of protection.
2. Impact resistant goggles must be worn when working with this masonry saw bench. (EN166 – B or BS2092 grade 1).
3. This masonry saw is likely to cause to noise levels up to 98 dB(A) – appropriate ear muffs or plugs must be worn, giving hearing protection for this level as a minimum.
4. An appropriate dust mask will be required, with a minimum of EN149 FFP3(s) protection when materials that produce dust are being cut.
5. Anybody who is working nearby will also need to wear appropriate personal protective equipment.

MASONRY SAW BENCH

1. Check the machine, equipment, cables, and plugs. If anything is found damaged, do not use the masonry saw bench – contact the hire company.
2. Check that the plug on the saw matches the supply. Do not try to force connections or improvise them.
3. Saws with a cylindrical yellow industrial plug fitted are designed to run off a special 110v supply. The hire company will have provided a portable transformer if the machine has to be powered from a normal 230v supply. If a portable transformer has been supplied, take care when moving it about – it may be heavier than anticipated. Saws designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
4. Set up the saw bench on a firm flat surface away from where people or vehicles may pass.
5. Unless, drycut wheels are being used the water level should be checked in the tank each time the masonry saw is used. The tank should be cleaned and refilled with water at least once a day and more frequently with continuous use. Check that the water is being pumped onto the cutting wheel.
6. If the machine has a sliding table to carry the block up to the cutting wheel, make sure that it can move freely on its tracks.
7. Do not use this masonry saw bench to cut asbestos or materials containing asbestos.
8. Make sure that all of the controls are understood before starting the saw. It must be understood how to stop it.

CUTTING WHEELS

1. Any abrasive wheel must not be fitted or changed unless the person doing so is competent to so this.
2. Switch off before making adjustments or fitting or changing the cutting wheel.
3. Make sure that the correct type of cutting wheel is used for the material being cut, as recommended by the hire company.
4. Look at the speed stated on the label of the cutting wheel being used, and the speed shown on the masonry saw bench. Check that the cutting wheel is certified to a higher speed than that shown on the machine.
5. Abrasive wheels fitted to this masonry saw bench are for cutting on the edge only. Any side pressure could shatter them. Do not try to carry out any grinding work.
6. When fitting diamond wheels, check that the bore size is the same as the spindle diameter. It is also essential to comply with the direction of rotation mark on the wheel.
7. Make sure the guards around the wheel are in place and adjusted correctly.

ELECTRICAL SAFETY

The machine will only operate on one voltage: it will be 110v or 230v. 110v machines will have a yellow industrial plug fitted. 230v machines will have either a normal square pin plug fitted, or a blue industrial plug.

Read the instructions below.

110 VOLT MACHINES (Yellow Plug)

1. If a portable transformer is being used, plug the transformer directly into the 230v socket. Do not use any 230v extension cables.
2. If an extension cable is needed follow any special instructions from the hire company. If no instructions have been provided only a suitably rated heavy duty 110v extension cable should be used, no longer than 50 metres (160 feet). The extension cable must only be used between the transformer and the machine.
3. The extension cable should be laid out carefully avoiding liquids, sharp edges, doorways, or windows where it might be trapped, and places where vehicles might run over it. It should be unrolled fully or it could overheat and may catch fire.
4. The extension cable connections should be dry and safe.

230 VOLT MACHINES (Square pin or blue plug)

1. Use a residual current device ("rcd") plugged directly in to the 230volt socket. Plug the machine in to the rcd. This will help to protect against electric shock if the cable or machine gets damaged.
2. Use the "TEST" button to check that the rcd is working each time it is used. Reset the rcd according to the instruction supplied with it.
3. If an extension cable is needed, follow any special instructions given by the hire company. If the hire company have not given any special instructions, only a suitably rated heavy duty cable should be used, no longer than 50 metres (160 feet). Plug it directly into the rcd.
4. The cable should be laid out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. It should be unrolled fully or it will overheat and could catch fire.

Useful Reference Points • www.hae.org.uk/businessguard

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