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0412 Safety Guidance
110/230V v:032017

Banner Plant
PART OF HENRY BOOT

Router

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 Router

1. Plan the use of the Router so that it can always be used safely.
2. Electricity is dangerous and must always be used with great care.
3. This router is designed to cut grooves, bevels, and profiles in wood and plastic using various guides and templates.
4. The action of this router can cause injury or damage if the machine is not used in a careful and controlled way.
5. If you have not used a router before, familiarise yourself with the machine on some straightforward work before you start on the main task.
6. You must have at least the following items of personal protective equipment: goggles: EN166 or BS2092; dust mask – a minimum of EN149 FFP3(s) protection; ear muffs or plugs giving protection for levels up to 101dB (A); gloves; rcd if using a 230 volt (mains) supply.
7. This router must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This router 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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HAE HIRE ASSOCIATION EUROPE

Hire Association Europe
2450 Regents Court
The Crescent
Birmingham Business Park
Solihull B37 7YE

Telephone: 44 (0) 121 380 4600
Fax: 44 (0) 121 333 4109
Email: mail@hae.org.uk
website: www.hae.org.uk

Before Starting Work...

WORK AREA

1. Do not use this router 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 that no-one is near to you or could distract you.
3. Protect other people from the noise and dust. Warn others to keep away, put barriers around your work area.
4. Do not use this router in the rain or where it 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. You must wear goggles (EN166 – B or BS2092 grade 1) when you are working with this router.
3. This router is likely to cause noise levels up to 94 dB(A) – wear appropriate ear muffs or plugs giving hearing protection for this level as a minimum.
4. You will need to wear an appropriate dust mask (with a minimum of EN149 FFP3(s) protection) when you are sanding material that causes dust.
5. Anybody who is working near to you will also need to wear appropriate personal protective equipment.

ROUTER

1. Check your machine, cables, plugs and cutters. If anything is found damaged, do not use the router – contact the hire company.
2. Check that the plug on your router matches your supply. Do not try to force connections or improvise them.
3. Routers 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 you need to power the machine from a normal mains 230v supply. If a portable transformer has been supplied, take care not to injure yourself when moving it about it may be heavier than you think. Machines designed to run directly from 230v mains will have either a normal square pin plug fitted, or a blue industrial plug.
4. Any work that is not part of a fixture should be securely clamped or held in a vice.
5. Check that there are no nails or other projections in your wood, which could damage your cutter.
6. Keep the cable well away from the cutter.
7. Check on how the on/off switch operates – before you switch the router on, you must know how to stop it.

CUTTERS

1. Switch off and remove the plug from the socket before making adjustments or changing the cutter.
2. Make sure you use the correct type of cutter recommended by the hire company for the material being cut.
3. Ensure the cutter is tightened securely
4. Some cutters will only cut in one direction, follow the instructions supplied with the cutters.

ELECTRICAL SAFETY

Your machine will only operate on one voltage: it will be 100v 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 for your machine.

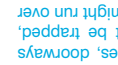
110 VOLT HEATERS (YELLOW PLUG)

1. If you are using a portable transformer, plug the transformer directly into the 230volt socket. Do not use any 230v extension cables.
2. If you need to use an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitably rated heavy duty 100v extension cable, not longer than 50 metres (160 feet). You must only use an extension cable between the transformer and the machine.

3. Lay the extension cable out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
4. Make sure that any extension cable connections are dry and safe.

230 VOLT MACHINES (SQUARE PIN OR BLUE PLUG)

1. Use a residual current device ("rcd") plugged directly in to the 230 volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.



2. Use the "TEST" button to check that eth rcd is working each time you use it. Reset the rcd according to the instructions supplied with it.
3. If you need an extension cable, follow any special instructions given by the hire company. If the hire company have not given any special instructions, you should only use a suitable rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the rcd.

4. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Unroll it fully or it will overheat and could catch fire.
5. Make sure that any extension cable connections are dry and safe.

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Using the Router

1. Wear your protective equipment including ear defenders, dust mask and goggles.
2. Check that there are no nails, screws or metal embedded in your wood, which could damage your cutter.
3. Check that the cutter is fitted correctly.
4. Let the router run up to full speed before lowering it carefully into the wood.
5. Stop the machine and unplug before making any adjustments.
6. Remove any spanners or tools used for adjustment before switching on.
7. Keep the cable clear of the cutter.
8. If you think that the cable may be cut or damaged in any way, switch off and unplug at the socket before inspecting it. If the cable attached to the router is damaged, stop using the machine. Contact the hire company. If an extension cable has been damaged, do not use it again.
9. Take care not to accidentally pull the plug from the socket.
10. Switch off and wait for the cutter to stop completely before you put the router down.
11. Make sure that any ventilation slots in the router do not get blocked with sawdust.
12. Switch off and remove the plug from the socket before leaving the router unattended.
13. If your equipment does not work properly do not attempt to repair it. Contact the hire company.
14. You may want to read this leaflet again. Please keep it until you finish work.

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

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Solihull B37 7YE

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