

For guidance on managing construction health risks go to www.hse.gov.uk/construction





1009 Safety Guidance



Using the Arc Welder

- 1. Wear your protective equipment especially your welding helmet.
- Do not look directly at the welding arc, it can cause painful inflammation that may last for some time. It may cause permanent damage to the eye.
- Take care to avoid an electric shock from the welding cables.
- Do not work in damp or wet conditions.
- Check that the welding cables are connected properly. Switch off if you need to make any adjustments including changing rods or welding current.
- Uncoil the cables completely. Make a good earth connection on your workpiece close to the part you will weld.
- Always put down your welding rod on an insulated surface. If it touches the workpiece or earth, it could strike an arc.
- Wear goggles to protect your eyes when chipping the slag off.
- The welder may switch itself off if it is overloaded. Allow it to cool down before restarting. If this happens repeatedly check with your electrician or the hire
- 10. Remember any welding you do will remain hot for some time. Make sure none touches it. Do not cool it with water.
- 11. Switch off before leaving the welding machine unattended.
- 12. If your 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



















www.hae.org.uk

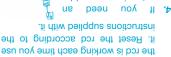
©Copyright Hire Association Europe April 2011

Any unauthorised reproduction – manually or electronically – is STRICTLY prohibited

connections are dry and sate. e. Make sure that any extension cable

and could catch fire. over it. Unroll it fully or it will overheat places where vehicles might run where it might be trapped, and systp edges, doorways or windows 5. Lay it out carefully avoiding liquids,

Plug it directly into the rcd. longer than 50 metres (160 feet). suitably rated heavy duty one, not instructions, you should only use a company have not given any special the hire company. If the hire 3 instructions given by follow any special cable, uoisuaixa



3. Use the "TEST" button to check that machine get damaged. against electric shock if the cable or rcd. This will help to protect you socket. Plug your machine into the directly into the 230volt device ("rcd") plugged

from 230 volts supply. 1. This welder is designed to operate

ELECTRICAL SAFETY

2. Use a residual current

stop it. welder on, you must know how to the controls. Before you switch the 5. Make sure that you understand all of

Ensure there is adequate air flow. NOT COVER THE AIR VENTS IN THE CASE. 4. This machine will get hot in use. Do

rain; do not let it get wet. 3. Keep this welding machine out of the

litted, or a blue industrial plug. have either a normal square pin plug run directly from 230v mains: it will them. This machine is designed to torce connections or improvise matches your supply. Do not try to 2. Check that the plug on your machine

company. found damaged contact the hire ednibment. Do not use anything guq 1. Check your welder,

ARC WELDER









Arc Welder

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 this entire leaflet **BEFORE** using the Arc Welder

- Plan your work and think ahead to make sure you will always be working safely.
- Electricity can be hazardous and must always be used with great care.
- The glare produced by the electric arc during welding is harmful to the eyes and skin.
- This welder is designed to weld metals like iron and steel. It will not weld non-ferrous metals
- The action of this arc welder can cause injury or damage if the machine is not used in a careful and controlled way. It is quite heavy, take care moving it.
- If you have not used an arc welder before, practice welding some scrap metal before you start on the main task.
- You must have at least the following items of personal protective equipment: Dust mask – a minimum of EN149 FFP3(s) protection; Welding mask: EN166/EN169/EN175 or BS679/1542; Impact resistant goggles: EN166 - B or BS2092 grade 1;

RCD if using a 230 volt (mains) supply.

- This machine must not be used by minors, or by anyone under the influence of drugs
- This arc welder is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.













is accurate and not misleading. HAE/EHA cannot accept responsibility for any lc to have arisen from the use of any such document/material. Only Acts of Parliament have the force of law and only the courts can authoritatively interpret the law.

44 (0) 121 380 4600 44 (0) 121 333 4109

BAY 788 Iludilos The Crescent Birmingham Business Park noo sinegen uch



current may make them hot. you start. The action of the welding 7. Remove any watches or rings before

bersonal protective equipment.

will also need to wear appropriate 6. Anybody who is working near to you

clothing because it burns easily. wearing rubber or nylon based safety boots or strong shoes. Avoid canvas gloves, cotton overalls and the sparks, can burn your skin, wear The glare and heat from the arc, and nsing the welder.

You must wear a welding mask when

hazardous fumes. FFP3(s) for protection against dust mask with a minimum of EN149 3. You will need to wear an appropriate

goggles when you are chipping the 2. You must wear impact resistant

siag off the workpiece.

require a higher level of protection. Particular jobs or environments may whenever you use this machine. minimum that should be worn protective equipment (PPE) are the 1. The following items of personal

SHOTARIAGO

you are going to weld. riammable materiais near the area 6. Check that there are no fuel lines or

exbioge. flammable liquid or gas - it is likely to anything that has contained 2. You must not weld a petrol tank or

world burn easily. cyeck there is nothing nearby that

4. The hot sparks could start a fire; bnı nb s warnıng sıgn.

screens. Warn others to keep away, from the arc; use a welding booth or Protect other people from the glare

or could distract you. safe and that no-one is near to you 2. Make sure that the area is clear and

tumes from petrol, or gas cylinders.

a danger of explosion. It will ignite 1. Do not use this welder where there is

WORK AREA









