



# Using the MIG Welder

1. Wear your protective equipment especially your welding helmet.
2. 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.
3. Take care to avoid an electric shock from the welding cables.
4. Do not work in damp or wet conditions.
5. Check that all cables and gas pipe connections are correct and secure. Switch off if you need to make any adjustments including changing wire feed or gas bottle.
6. Uncoil the cables completely. Make a good earth connection on your workpiece close to the part you will weld.
7. The switch on your welding torch operates the gas supply and the wire feed. Do not jam it in the ON position.
8. Always put down your welding torch on an insulated surface. If the wire touches the workpiece or earth, it could strike an arc.
9. 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 company.

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



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

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

# MIG 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 MIG Welder

1. Plan your work and think ahead to make sure you will always be working safely.
2. Electricity can be hazardous and must always be used with great care.
3. The glare produced by the electric arc during welding is harmful to the eyes and skin.
4. This welder is designed to weld metals like iron and steel. It will not weld non-ferrous metals.
5. The action of this MIG 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.
6. If you have not used a MIG welder before, practice welding some scrap metal before you start on the main task.
7. 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; gloves; rcd if using a 230 volt (mains supply).
8. This machine must not be used by minors, or by anyone under the influence of drugs or alcohol.
9. This MIG welder is designed for operation by an able bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



Every effort has been made by HAE/EHA to ensure that the information given in this document and supporting material is accurate and not misleading. HAE/EHA cannot accept responsibility for any loss or liability perceived to have arisen from the use of any such document/material. Only Acts of Parliament and Statutory Instruments have the force of law and only the courts can authoritatively interpret the law.

v:032017

©Copyright Hire Association Europe April 2011

Any unauthorised reproduction – manually or electronically – is STRICTLY prohibited

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

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



1. This welder is designed to operate from 230 volts supply.
2. Use a residual current device ("rcd") plugged directly into the 23-0 volt socket. Plug your machine into the rcd. This will help to protect you against electric shock if the cable or machine get damaged.
3. Use the "TEST" button to check that the rcd is working each time you use it: reset the rcd according to the instructions supplied with it.
4. 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 suitably rated heavy duty one, not longer than 50 metres (160 feet). Plug it directly into the rcd.
5. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Untroll it fully or it will overheat and could catch fire.
6. Make sure that any extension cable connections are dry and safe.
7. Remove any watches or rings before you start. The action of the welding current may make them hot.
8. Check your welder, and all equipment. Do not use anything found damaged contact the hire company.
9. Check that the plug on your machine matches your supply. Do not try to force connections or improvise them. This machine is designed to run directly – from 230v mains: it will have either a normal square pin plug fitted or a blue industrial plug.
10. Keep this welding machine out of the rain; do not let it get wet.
11. The glare and heat from the arc, and the sparks, can burn your skin: wear safety boots or strong shoes. Avoid wearing rubber or nylon based clothing because it burns easily.
12. Anybody who is working near to you will also need to wear appropriate personal protective equipment.
13. Remove any watches or rings before you start. The action of the welding current may make them hot.
14. Check your welder, and all equipment. Do not use anything found damaged contact the hire company.
15. Check that the plug on your machine matches your supply. Do not try to force connections or improvise them. This machine is designed to run directly – from 230v mains: it will have either a normal square pin plug fitted or a blue industrial plug.
16. Lay it out carefully avoiding liquids, sharp edges, doorways or windows where it might be trapped, and places where vehicles might run over it. Untroll it fully or it will overheat and could catch fire.
17. Make sure that any extension cable connections are dry and safe.

## MIG WELDER



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 a welding mask (with a minimum of EN149 FFP3(s) protection) for protection against hazardous fumes.
3. You must wear a welding mask (EUN166/EN169/EN175 or BS679/1542) when using the welder.
4. The glare from the arc can seriously affect your eyes, sometimes permanently.
5. The fumes from welding painted or galvanized metal can be very hazardous.
6. You must not weld a petrol tank or anything that has contained flammable liquid or gas – it is likely to explode.
7. Check that there are no fuel lines or flammable materials near the area you are going to weld.
8. The hot sparks could start a fire: check there is nothing nearby that would burn easily.
9. You must not weld a petrol tank or anything that has contained flammable liquid or gas – it is likely to explode.
10. Check that there are no fuel lines or flammable materials near the area you are going to weld.
11. The gas mixture used with this welding kit is non-toxic but releasing a large amount of it in an unventilated area could be hazardous. It will exclude oxygen from the air you breathe.
12. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
13. Protect other people from the glare of the arc, use a welding booth or screens. Warn others to keep away, put up a warning sign.
14. The hot sparks could start a fire: check there is nothing nearby that would burn easily.
15. You must not weld a petrol tank or anything that has contained flammable liquid or gas – it is likely to explode.
16. Check that there are no fuel lines or flammable materials near the area you are going to weld.

## OPERATORS



the controls. Before you switch the welder on, you must know how to stop it.

## COMPRESSED AIR

## Before Starting Work...

## WORK AREA

1. Do not use this welder where there is a danger of explosion. It will ignite fumes from petrol, or gas cylinders.
2. To reduce the risk of serious or fatal injury from breathing toxic fumes, use this equipment only in a well ventilated area.
3. The gas mixture used with this welding kit is non-toxic but releasing a large amount of it in an unventilated area could be hazardous. It will exclude oxygen from the air you breathe.
4. Make sure that the area is clear and safe and that no-one is near to you or could distract you.
5. Protect other people from the glare of the arc, use a welding booth or screens. Warn others to keep away, put up a warning sign.
6. The hot sparks could start a fire: check there is nothing nearby that would burn easily.
7. You must not weld a petrol tank or anything that has contained flammable liquid or gas – it is likely to explode.
8. Check that there are no fuel lines or flammable materials near the area you are going to weld.