



**Operational Safety Guideline
MIG Welder**

No. 12

**Authorised By:
Ass.Dir. Infrastructure Planning
& Compliance**

Issue Date: September 2013
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DO NOT use this machine unless you have been trained in its safe use and operation.

Description of Work: Using a Metal Inert Gas (MIG) Welder



Potential Hazards: Fire and electrical hazard with the potential to cause harm through impact and cutting, exposure to heat, projectiles, sparks, sharp objects, electric shock, fumes, radiation and flame.

Personal Protective Equipment (PPE) Required (Check the box for required PPE):

 Gloves	 Face Masks	 Eye Protection	 Welding Mask	 Appropriate Footwear	 Hearing Protection	 Protective Clothing
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Safe Work Checklist:

1. PRE-Operation:

- Task (e.g. Drawings, instructions, specifications etc) is clearly understood.
- Ensure the work area is clean and clear of grease, oil and any other flammable materials.
- Keep the welding equipment, work area and gloves dry to avoid electric shocks.
- Ensure the gloves, welding gun and work leads are in good condition.
- Check that other work areas are protected from flash.
- Ensure appropriate ventilation is in place prior to use.
- Ensure appropriate PPE is worn.
- Identify ON/OFF switch and emergency stop button (if applicable).

2. Operation:

- Only use as per directions in User Manual.
- Keep hands clear of work piece and away from electrode.
- Ensure machine is correctly set up for current, voltage, wire feed and gas flow.
- Ensure work return cables make firm contact to provide a good electrical connection.
- Never leave the welder running unattended.

3. POST-Operation:

- Switch off machine and fume extraction (if relevant).
- Close gas cylinder valve.
- Hang up welding gun and welding cables.

Competent Persons (The following persons are authorised to operate the equipment).



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Name:	Title:	Contact Details:

Guide Only