

SAFE WORK INSTRUCTION

SPOT WELDER

PERSONAL PROTECTIVE EQUIPMENT



Safety glasses must be worn at all times.



Safety footwear must be worn.



Long or loose hair must be contained.



Close fitting / protective clothing must be worn.



Oil free leather gloves and spats must be worn.



Rings and jewellery must not be worn.

POTENTIAL RISKS

- ⓘ Electrodes become hot with continued use.
- ⓘ Burns.
- ⓘ Hot metal.
- ⓘ Spitting metal or flying sparks.
- ⓘ Eye injuries.

DON'Ts

- ✗ Do not use faulty equipment. Immediately report suspect equipment to your supervisor

PRE-OPERATIONAL SAFETY CHECKS

- ✓ Check workspaces and walkways to ensure you have not created slip/trip hazards.
- ✓ Check switchgear and cable are in sound condition.
- ✓ Check electrode points are in good condition and meet exactly.
- ✓ Ensure electrodes are securely mounted and clean from contaminants.
- ✓ Set pressure on clamps to hold work securely without damaging work.
- ✓ Pre-set weld time under your supervisor's direction (if timer fitted).
- ✓ Use gloves to position and hold work.

OPERATIONAL SAFETY CHECKS

- ✓ Ensure the spot welder has cooled before making any adjustments.
- ✓ Avoid prolonged use, as this can cause heat to build up in the electrodes and arms.
- ✓ When holding work, be aware of the heat created during welding process.
- ✓ Ensure work return earth cables make firm contact to provide a good electrical connection.

ENDING OPERATIONS AND CLEANING UP

- ✓ Switch off the machine when work completed.
- ✓ Leave the work area in a safe, clean and tidy state.

This Safe Work Instruction does not necessarily cover all possible hazards associated with this equipment and should be used in conjunction with other references. It is designed as a guide to be used to compliment training and as a reminder to users prior to equipment use

