RISK ASSESSMENT WIZARD



# WELDING AND METAL FABRICATION

Safety Guide

Construction Trade

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| Key Benefits | Control Measures | Checklist Items |

## KEY BENEFITS

### Strong Joints

Creates strong, permanent metal joints.

### Manufacturing

Essential for manufacturing and construction.

### Repair

Enables repair and restoration of metal items.

### Fabrication

Allows custom metal fabrication work.

## KEY HAZARDS & CONTROL MEASURES

### Welding Fumes

- ✔ Use local exhaust ventilation at source
- ✔ Work in well-ventilated areas
- ✔ Wear appropriate respiratory protection
- ✔ Health surveillance for regular welders

### Fire & Burns

- ✔ Obtain hot work permit before starting
- ✔ Keep fire extinguisher within reach
- ✔ Clear area of combustible materials
- ✔ Wear flame-resistant clothing and gloves

### UV Radiation

- ✔ Use correct shade welding lens for process
- ✔ Wear long sleeves and covered skin
- ✔ Screen work area to protect others
- ✔ Auto-darkening helmets where appropriate

### Electric Shock

- ✔ Inspect equipment before use
- ✔ Avoid wet conditions
- ✔ Use dry, undamaged gloves
- ✔ Insulate from workpiece

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