

Tungsten Inert Gas Welding (Basic) Stainless Steel Plate/Pipe

Aim

This course has been designed for delegates who will be required to set and safely operate T.I.G. equipment to a basic standard as part of their normal work activities. On completion of the course delegates will be able to:

- Identify potential dangers that can arise from incorrect use of T.I.G. equipment
- Use the T.I.G. equipment in safe workmanlike manner
- Recognise the faults and causes of weld failure and rectify them
- Select correct current, size of electrode and filler rod
- Produce welded joints to an acceptable standard

Course Content (Theory)

- Introduction and course objectives
- Safety – personal, electrical and use of equipment
- Type of current used and its effects; AC/DC
- Correct set-up and tacking procedures
- Types of electrodes
- Foot pedal and torch control
- Cleaning procedures
- Electrode sharpening technique
- Torch, filler rod angles and welding technique

Course Content (Practical)

- Applying safety procedures
- Correct setting of the machine, use of torch, filler rod angles, set-up and tacking procedures, use of foot pedal and torch control
- Fillet and lap joints in the flat position and single run techniques
- Rectification of faults
- Practice to reach an acceptable standard

Duration: depending on delegates' experience/progress.

Accreditation: BS4872

Course bookings
and enquiries

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Welding Training