

Welder Certification Training

A complete framework for welder qualification — process, material, product form, position and code — aligned with ISO, ASME and AWS standards. Tell us your scope and we will build the right programme around it.

How to read this catalogue

Every qualification combines four variables — **process**, **material**, **product form** and **position** — tested against a specific **certification code**. Pick the combination that matches your project scope and request a quotation; we handle theory, practical training, witnessed testing and certificate issuance.

① Welding Processes

ISO / AWS	Process	Description
141 · GTAW	TIG	Tungsten Inert Gas
135 · GMAW	MIG	Metal Inert Gas (solid wire)
136 · FCAW	MAG	Flux Cored Arc Welding
111 · SMAW	MMA	Manual Metal Arc / Stick
131 · GMAW	MIG	Aluminium & non-ferrous
142 · GTAW	TIG	Autogenous (no filler)
311 · OAW	Oxy-Acetylene	Gas welding

② Base Materials · Product forms: P (Plate) / T (Tube/Pipe)

ISO 15608 Groups	ASME / AWS P-No.
Group 1–11 — Carbon & alloy steels	P-No 1 — Carbon steel
Group 21–26 — Aluminium alloys	P-No 8 — Austenitic stainless (304/316)
Group 41–48 — Nickel alloys	P-No 21–25 — Aluminium alloys
Group 51–54 — Titanium alloys	P-No 41–49 — Nickel alloys

③ Welding Positions

Plate Position	Pipe Position	Description
1G / PA	1G / PA	Flat / Rotated pipe
2G / PC	2G / PC	Horizontal / Vertical pipe

3G / PF-PG	5G / PF-PG	Vertical / Fixed horizontal pipe
4G / PE	6G / HL045	Overhead / Fixed 45° — ultimate test

④ Certification Standards

Code	Scope
ISO 9606-1	Qualification of welders — steels
ISO 9606-2	Qualification of welders — aluminium
ASME Section IX	Boiler & Pressure Vessel Code (global pressure equipment)
AWS D1.1	Structural Welding Code — Steel
AWS D1.2	Structural Welding Code — Aluminium
AWS D1.6	Structural Welding Code — Stainless Steel

⑤ Example Training Modules

Naming convention: [Process] · [Material] · [Product] · [Standard]

Module	Process	Material	Product	Standard
1	GTAW (141)	Stainless Steel	Pipe 6G	ASME IX & ISO 9606-1
2	GMAW (135)	Carbon Steel	Plate 3G/4G	AWS D1.1 & ISO 9606-1
3	FCAW (136)	Carbon Steel	Heavy Plate 3G	AWS D1.1
4	SMAW (111)	Carbon Steel	Pipe 5G/6G	ASME IX
5	GTAW (141)	Aluminium	Plate 3G	ISO 9606-2 & AWS D1.2

Request Pricing & Scheduling

Send us your desired process, material, product form, position and certification code.
We will reply with a tailored quotation and proposed training dates.

✉ office@ga-solutions.eu

Subject: Welder Training Inquiry — Pricing & Scheduling

Inquiry Template

Hello GA Solutions Team,

We would like to receive a price quotation and scheduling proposal for welder qualification training.

Process(es) (e.g. 141/GTAW, 135/GMAW, 136/FCAW, 111/SMAW): _____

Material group (e.g. P1 carbon steel, P8 stainless, aluminium): _____

Product form (plate / pipe): _____

Position(s) (e.g. 3G, 5G, 6G): _____

Certification code(s) (ISO 9606-1, ASME IX, AWS D1.1, ...): _____

Number of welders: _____

Preferred dates and location: _____

Thank you.