

2025 TIG (GTAW) Pipe Welding Safety Scope

Safety Orientation

A safety program containing a general safety overview and safe work practices will be conducted during the scheduled competitor orientation. **Attendance is mandatory for all competitors.**

Studs exposed through the nose, jaw, lip, eyebrow or any part of the body that is visible

Gauges

Long hair must be contained (under a hat or hairnet)

Hand Tool and Power Tools

The project manager will also talk about the use of the proper hand tools, i.e., hand saw, coping saw, keyhole saw, hammer, chisels and pry bars and utility knife.

The project manager will go over the proper use of the power tools needed for your projects, i.e., miter box, circular saw, drill and impact driver. **Please visit the link(s) below to review the operators' manuals.** Always use your tools in the manner that the manufacturer intended.

[Milwaukee Cordless Grinder](#)

Safety Judging

Prior to the practical performance test, the competition project manager or judges may inspect each competitor's personal hand tools, which must meet all OSHA regulations and standards.

Judges will be present during the practical performance test to score competitors in such safety areas as the use of personal protective equipment, hand and power tool safety, clean work area, etc. Depending on the severity and/or frequency of a violation or violations, the judges, in consultation with the project manager, have the authority to disqualify competitors.

Note: Competitors continue to be judged during disassembly/cleanup activities and are subject to disqualification or deduction of points for safety violations. Safety is your responsibility first! Always work safe!

First Aid

All injuries should be reported to the project manager immediately. The project manager will determine the appropriate action, including assistance from on-site EMT personnel.

Fire Extinguisher

Fire extinguishers are available during all open-flame operations, such as welding, soldering, brazing, etc. A fire extinguisher can also be found in or around your competition area, typically in one of the columns. Your project manager will point out the location during your onsite orientation. Competitors should use the following technique to effectively and safely use a fire extinguisher.

Pull: Pull the pin at the top of the extinguisher to break the seal

Aim: Stand at a safe distance from the fire and aim the nozzle low at the base of the fire

Squeeze: Squeeze the handles together to release the extinguishing agent

Sweep: Sweep the extinguisher from side to side to cover all areas the fire may have spread to

Smoking and Tobacco Procedures

Smoking is only permitted during breaks and you will be escorted to a pre-determined location. Smokeless tobacco also is prohibited during competition. E-cigarettes and vapor cigarettes will follow the same procedures for smoking. The project manager will go over the location of the restroom.

Emergency Evacuation and Exits

At your site orientation, your project manager will go over the emergency evacuation and meeting location plan, the exits and fire extinguishers.