

2024 Millwright 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.**

Personal Protective Equipment

All personal protective equipment must be appropriate for task and meet current ANSI standards, which have been incorporated into the Occupational Safety and Health Administration PPE regulations as follows: Eye and Face Protection ANSI Z87.1; Head Protection ANSI Z89.1; and Foot Protection ANSI Z41.1. There are no ANSI standards for gloves; however, selection must be based on the performance characteristics of the glove in relation to the tasks to be performed. During the practical performance test, **ABC National will provide and require** the proper use of the following personal protective equipment for all competitors:

- Ear protection
- Safety glasses
- Hard hat
- General work gloves (may not apply to all competitions - see task specific gloves below)
- Shirts
- Gloves

Exceptions to the provided PPE, with prior approval from the respective project manager, are:

- Prescription safety glasses with side shields
- Prescriptive goggles
- Task-specific gloves per industry standards, designed to protect against sharp edges or high heat

Competitors must provide and use the following:

- Standard work shoes or boots (tennis shoes, sneakers or sandals are not permitted)
- Blue jean pants or work pants
- Shirts with sleeves of minimum 4 inches in length (baggy or excessively loose-fitting clothing is not permitted)

Cell Phones

No cell phones are permitted before, during or after the competition.

Jewelry and Personal Grooming

Exposed jewelry is not permitted. Examples include (but are not limited to):

Earrings (stud or dangl1279ob[)]]TJET6nBT8.Z/F1 108 Tf1 01 446147.74 Tm@G[)]]TJET64b08]]TJET@0

Hand Tool and Power Tools

The project manager will also discuss using the proper hand tools, i.e., dividers, hammer, utility knife, gasket cutter, center punch, pry bar, tap set, wrenches, allen sets, and alignment tools.

The project manager will go over the proper use of the power tools needed for your projects, i.e. Drill, Mag Drill, and Laser Alignment Set. Please visit the links below to review the operator's manuals. Always use your tools in the manner that the manufacturer intended.

Milwaukee tool

Drill - Cordless

Mag Drill - Corded

Acoem USA

Laser Alignment Set

Please follow the links below to view the above-listed tools:

<https://www.milwaukeetool.com/Products/Power-Tools>

<https://acoem.us/solutions/evo/>

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. For example, "mushroomed" heads on chisels are not permitted.

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.