



Rules

Personal Protective Equipment (required)

- Helmets
- Safety Glasses
- Safety Shoes
- Gloves

Teams & Judges

- **Teams:** 2 competitors and a coach (*optional*).
- **Head Official**
 - Head Official will announce the start and stop of the event and heats.
- **Judges:** 3 judges per hydrant
 - The judges for each hydrant will Track time, penalties, check bolt and cap tightness verifies hydrant assembly and tests operability.

Competition Process

- A pre-competition meeting will be held 30 minutes before the event for all competitors, coaches, and judges to review rules and address questions.
- All hydrants will be fully disassembled by judges and volunteers prior to the start.
- Competitors will have five (5) minutes to inspect and familiarize themselves with all components.
- Tools and parts may be arranged freely within the designated work area, but no components may be preassembled or placed inside or in contact with the hydrant frame before the start.
- Judges will conduct a preliminary inspection to confirm all components are present, unassembled, and compliant.
- The Head Official will confirm readiness with judges and initiate the countdown to “GO” to begin assembly.
- Teams must use only provided tools for tightening; hand-tightening will result in penalties.
- Upon completion, competitors must raise their hands to indicate they are finished. Timing stops immediately at that signal.
- Judges will inspect the hydrant for proper assembly, fastener tightness, and operational function.
- Judges will then score each team, apply penalties as applicable, and determine the final time.
- Final Time = Raw Assembly Time + Penalties. The fastest team wins.

Hydrants

- Must meet AWWA C502 standards (4 ½” or 5 ¼” barrel size).
- Competition hydrant: M&H 129.

General Penalty Guidelines

- General violations – Any procedural rule violation (+10 sec).
- Infractions & safety violations – Assessed by the head official.
- Tools & parts touching before start – (+10 sec).
- Final official time = event time + penalties.
- No instant replay – Head official’s decisions are final.

Violation	Penalty
Safety violations such as throwing of tools, PPE penalty, etc.	+10 seconds (each)
Loose or missing hydrant bolt	+5 seconds (each)
Loose or missing nozzle caps	+5 seconds (each)
Seat assembly is not tight or screwed all the way in	+10 seconds
Loose hold down nut on weather cap or No attempt made with tool	+10 seconds
Hydrant is not completely facing forward	+10 seconds
Hydrant is missing any parts	+10 seconds
Coach enters or assist the competitors in the competition area	+10 seconds
Tools placed in pockets before or after the start of event	+5 seconds
Tools left on the hydrant when competitors are finished	+5 seconds
Tools not used on any bolt, nut, caps and lower valve assembly	+5 seconds (per)
Tools and parts cannot touch each other prior or during competition	+10 seconds
No tools can be stored in hydrant frame at any time during the competition	+ 10 seconds
No tool can be held under arm or between legs during competition	+5 seconds (per)
Hydrant fails to operate correctly	DQ