



# Welding Fabrication

*To evaluate each competitor's preparation for employment and to recognize outstanding students for excellence and professionalism in the field of welding fabrication.*

<b>On-Site/Off-Site</b>	<ul style="list-style-type: none"> <li>● On-Site</li> </ul>
<b>Contest Date</b>	<ul style="list-style-type: none"> <li>● 5/5/2026</li> </ul>
<b>Contest Location</b>	<ul style="list-style-type: none"> <li>● Convention Center</li> <li>● C-Hall</li> </ul>
<b>Early/Normal Start Time</b>	<ul style="list-style-type: none"> <li>● Contest Specific Start Time</li> </ul> <p>Normal start time registration will open at 8:00 AM. Orientation at 8:30 AM please report to B Hall Show Office for registration.</p> <p>The competition will be broken into two flights.</p> <ul style="list-style-type: none"> <li>- First flight will take place from 9:00 AM to 12:00 PM.</li> <li>- Second flight will take place from 1:00 PM to 4:00 PM.</li> </ul> <p>SkillsUSA Ohio office will notify schools of their flight time once registration closes.</p>
<b>Contest Open/Closed</b>	<ul style="list-style-type: none"> <li>● Open</li> <li>● Exhibit Halls do not open to observers until 12:00pm.</li> </ul>
<b>Eligibility &amp; Contest Type</b>	<ul style="list-style-type: none"> <li>● Please refer to the Program Guidelines for eligibility- <a href="https://www.ohioskillsusa.org/resources/">https://www.ohioskillsusa.org/resources/</a></li> <li>● Regional Qualifier Contest (Must attend and place in the top 4 at Regionals to Qualify to Compete at State Level)</li> </ul>
<b>Clothing</b>	<p><b><u>For Competition Day the Dress Code is:</u></b> Class D</p> <p><b><u>For the Awards Ceremony the Dress Code is:</u></b> Class A or Class J</p> <ul style="list-style-type: none"> <li>● <a href="#">SkillsUSA Ohio Clothing Guide</a></li> </ul>

<p><b>Safety Equipment Required</b></p>	<ul style="list-style-type: none"> <li>● Safety glasses with side shields or goggles Prescription glasses can be used only if they are equipped with side shields. If not, they must be covered with goggles.</li> <li>● Suitable work clothing To match service conditions for welding process employed, must be fire resistant</li> <li>● Welding grade jacket, cape, sleeves, or apron</li> <li>● Leather gloves</li> <li>● High-top leather safety shoes or boots (steel toes recommended)</li> <li>● Welder's hat or skullcap</li> <li>● Spectacles with side shields (clear lens)</li> <li>● Burning goggles or face shield (PAC)</li> <li>● #5 filter plate/lens</li> <li>● Clear cover plate/lens</li> <li>● Noise protection (ear plugs)</li> <li>● Welding helmet</li> <li>● Spare batteries for helmet are recommended if you have auto lens</li> <li>● Welding lenses (to match helmet design)</li> <li>● Shaded filter plate/lens (#10 or #11)</li> <li>● Clear cover plate lens</li> </ul>
<p><b>Testing</b></p>	<ul style="list-style-type: none"> <li>● There is no written test required for this competition.</li> </ul>
<p><b>Provided by Contestant (Tool List)</b></p>	<ul style="list-style-type: none"> <li>● <b>Each team member must show judges before starting fabrication.</b></li> <li>● Personal Tools: <ul style="list-style-type: none"> <li>- Battery Powered Grinder (no post weld grinding)</li> <li>- Carbon steel wire brush</li> <li>- Ball peen hammer</li> <li>- Soapstone</li> <li>- Two #2 pencils (sharpened)</li> <li>- Center punch</li> <li>- Metal Scribe</li> <li>- Steel dividers (radius maker min. 6") or compass, to mark steel for cutting</li> <li>- Handheld calculator</li> <li>- Paint Marker Measuring Devices: <ul style="list-style-type: none"> <li>- Combination square set</li> <li>- English steel bench rule (min. 12")</li> </ul> </li> <li>- Protractor</li> <li>- Chipping Hammer</li> <li>- Magnetic fixturing tool</li> <li>- 10" mill file (half round-bastard cut)</li> <li>- Cold chisel</li> <li>- Fillet weld gage</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>- Pliers, wrenches, and clamps</li> <li>- Vice grips or vice grip type clamp</li> <li>- Side or diagonal cutting pliers</li> <li>- Groove or slip joint pliers</li> <li>- Needle nosed pliers</li> <li>- 12” adjustable wrench</li> <li>- Welding Equipment Supplied by Contest Coordinator:</li> <li>- Miller Multimatic 220 Welder</li> <li>- Plasma Cutter</li> <li>- 10 Spare .030 Contact Tips</li> <li>- 2 Spare Nozzles</li> <li>- 1 Plasma Spare Parts Kit</li> <li>● Supplied Welding Consumables: <ul style="list-style-type: none"> <li>- .030 10# spool HB-28 MIG wire</li> <li>- Stick Electrode 3/32 – 7018</li> </ul> </li> </ul> <p><b>Consumables supplied by Hobart Brothers</b></p>
<p><b>Contest Notes, Themes, &amp; Deadlines</b></p>	<ul style="list-style-type: none"> <li>● N/A</li> </ul>
<p><b>WIFI Provided?</b></p>	<ul style="list-style-type: none"> <li>● No</li> </ul>
<p><b>Special Notes/Rules for All Contests</b></p>	<ul style="list-style-type: none"> <li>● Starting in 2024, all Skilled Trade State Contests (most leadership contests already use scenarios) will begin to add a scenario-based component.</li> <li>● <b><u>Wi-Fi will NOT BE AVAILABLE unless listed above</u></b>. If you need WIFI access, please plan to bring a hotspot.</li> <li>● All safety requirements will be heavily enforced. Competitors are to follow all safety standards and OSHA Regulations.</li> </ul> <p style="text-align: center;"><b><i>Contestants MUST HAVE A COPY OF THEIR EMERGENCY MEDICAL FORM IN THEIR NAME BADGE AT ALL TIMES</i></b></p> <p style="text-align: center;"><b><u>THE FOLLOWING ITEMS ARE PROHIBITED; VIOLATION OF ANY OF THE FOLLOWING MAY RESULT IN COMPETITOR DISQUALIFICATION:</u></b></p> <ul style="list-style-type: none"> <li>● Contact with Contest Coordinators is prohibited.</li> <li>● Contact with Contest Coordinators outside of the SkillsUSA Ohio is strictly prohibited.</li> <li>● Possession of smart watches and/or phones during the contest and/or in contest.</li> <li>● Contact with anyone outside of the contest area once the contest begins.</li> <li>● Inappropriate communication between contestants such as verbally degrading another contest.</li> <li>● Cheating on any portion of the contest such as informing another contestant of the skills/test prior to competing.</li> <li>● Lack of Copy Emergency Medical Form in Name Badge.</li> </ul>

<b>National Technical Standards</b>	<ul style="list-style-type: none"><li>● Please refer to the <b>2024-2026 National Technical Standards</b> for all contests. All standards included may be tested in any competition.</li><li>● In conjunction with National Standards, lack of understanding of State Level competition standards (this document) may result in student loss of contest.</li></ul>
<b>Resume/Interview Requirement</b>	<ul style="list-style-type: none"><li>● All SkillsUSA Ohio State Championship Contests will require a short interview component. Students should be prepared with basic job interview skills.</li><li>● All contestants <b><u>must have a hard copy</u></b> of a one (1) page personal resume.</li></ul>

