



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.

On-Site/Off-Site	<ul style="list-style-type: none"> ● On-Site
Contest Date	<ul style="list-style-type: none"> ● 3/18/2025
Contest Location	<ul style="list-style-type: none"> ● Convention Center ● C-Hall
Early/Normal Start Time	<ul style="list-style-type: none"> ● Contest Specific Start Time ● Normal start time registration will open at 8:00 AM. Orientation at 8:30 AM please report to B Hall Show Office for registration. ● The competition will be broken into two flights. The first flight will take place from 9:00 AM to 12:00 PM. The second flight will take place from 1:00 PM to 4:00 PM. ● SkillsUSA Ohio office will notify schools of their flight time once registration closes.
Contest Open/Closed	<ul style="list-style-type: none"> ● Open ● Exhibit Halls do not open to observers until 12:00pm.
Eligibility & Contest Type	<ul style="list-style-type: none"> ● Please refer to the Program Guidelines for eligibility- https://www.ohioskillsusa.org/resources/ ● Regional Qualifier Contest (Must attend and place in the top 4 at Regionals to Qualify to Compete at State Level)
Clothing	<ul style="list-style-type: none"> ● <u>For Competition Day the Dress Code is:</u> Class D ● <u>For the Awards Ceremony the Dress Code is:</u> Class A or Class J ● 2025 SkillsUSA Ohio Clothing Guide
Safety Equipment Required	<ul style="list-style-type: none"> ● 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).

	<ul style="list-style-type: none"> ● Suitable work clothing (to match service conditions for welding process employed, must be fire resistant) ● Welding grade jacket, cape, sleeves, or apron ● Leather gloves ● High-top leather safety shoes or boots (steel toes recommended) ● Welder's hat or skullcap ● Spectacles with side shields (clear lens) ● Burning goggles or face shield (PAC) ● #5 filter plate/lens = Clear cover plate/lens ● Noise protection (ear plugs) ● Welding helmet oSpare batteries for helmet are recommended if you have auto lens ● Welding lenses (to match helmet design) ● Shaded filter plate/lens (#10 or #11) ● Clear cover plate lens
Testing	<ul style="list-style-type: none"> ● There is no written test required for this competition.
Provided by Contestant (Tool List)	<p>Documentation: One copy of a 1-page typed personal resume.</p> <ul style="list-style-type: none"> ● Each team member must show to judges before starting fabrication. <p>Personal Tools:</p> <ul style="list-style-type: none"> ● Battery Powered Grinder (no post weld grinding) ● Carbon steel wire brush ● Ball peen hammer ● Soapstone ● Two #2 pencils (sharpened) ● Center punch ● Metal Scribe ● Steel dividers (radius maker min. 6") or compass, to mark steel for cutting ● Handheld calculator ● Paint Marker Measuring Devices: ● Combination square set ● English steel bench rule (min. 12") ● Protractor ● Chipping Hammer ● Magnetic fixturing tool ● 10" mill file (half round-bastard cut) ● Cold chisel ● Fillet weld gage ● Pliers, wrenches, and clamps ● Vice grips or vice grip type clamp ● Side or diagonal cutting pliers

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

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