

Operating Manual

V-Gard H2™ Safety Helmet

ANSI Certificate Holder:

MSA Innovation, LLC
1000 Cranberry Woods Dr.
Cranberry Twp, PA 16066, USA



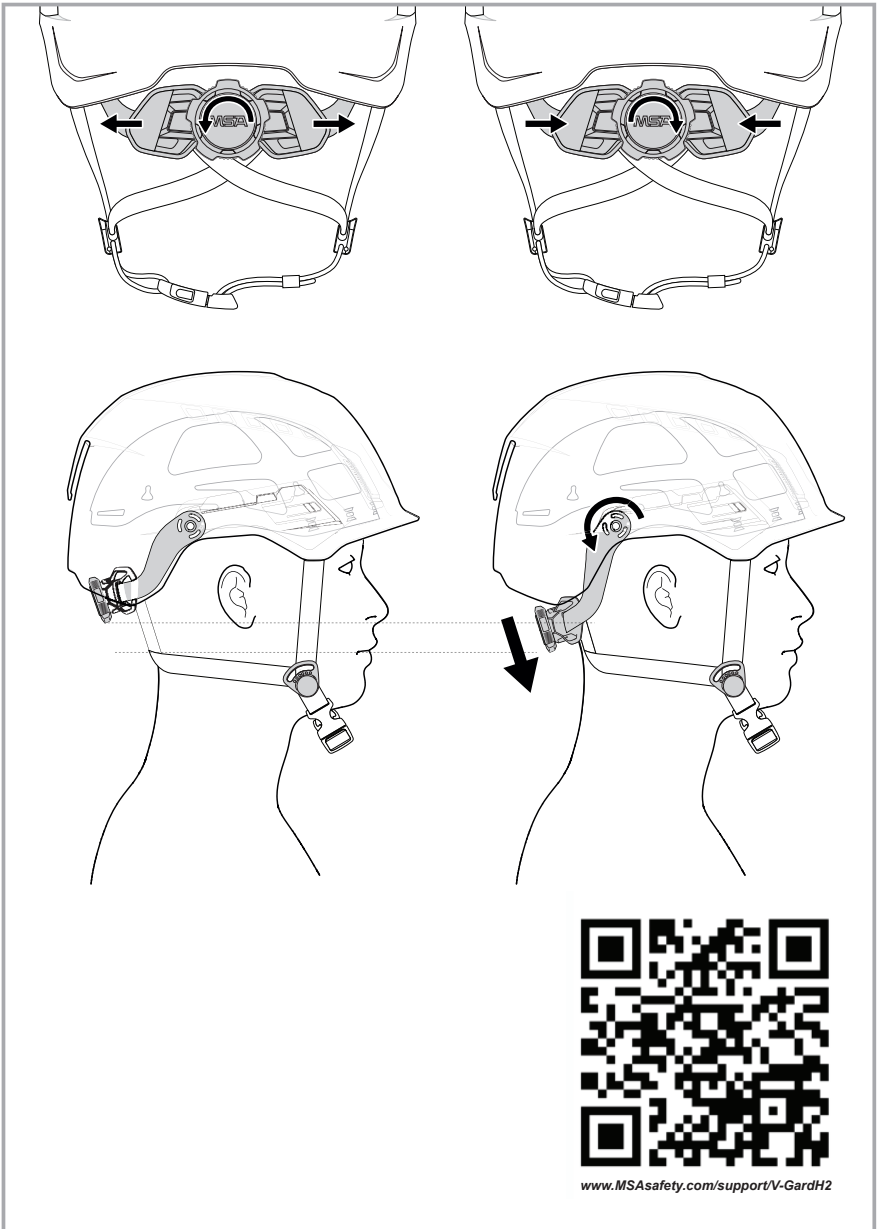
The Safety Company

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For your local MSA contacts please go to our website www.MSAafety.com

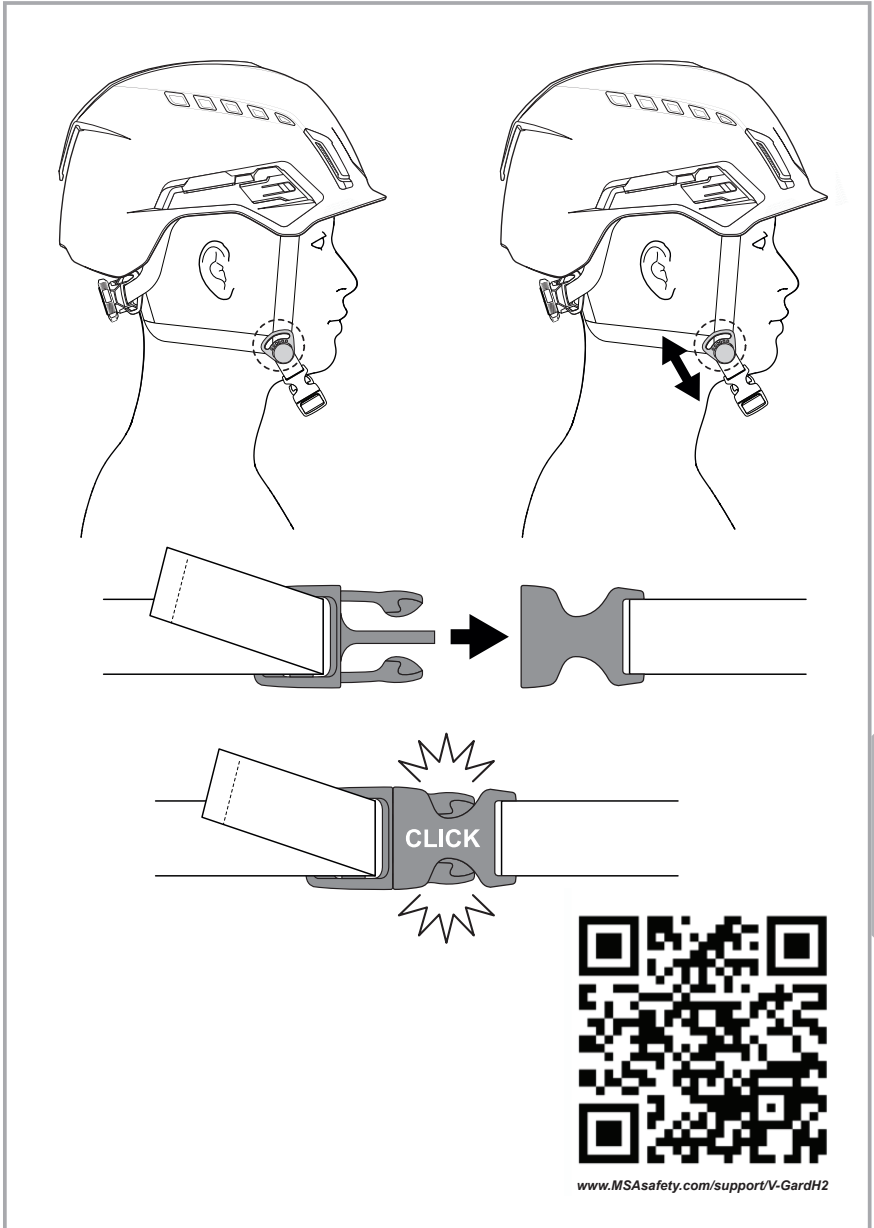


Figure 1:



www.MSAafety.com/support/V-GardH2

Figure 2:



1 Safety Instructions

MSA V-Gard H2 safety helmets comply with ANSI/ISEA Z89.1-2014 (R2019), TYPE II, CLASS E or C, HT, HV (HV only on Hi-Viz colors). If you have questions about the protection supplied by this helmet after you read these instructions, call MSA Customer Service at 1-800-MSA-2222 or visit www.MSAafety.com/DoC.



WARNING!

- This instruction manual is to be removed from the helmet only by the end user. Read and obey all instructions.
 - This helmet provides limited protection and is designed to absorb some of the energy of a blow through partial destruction of its components. Even if damage is not readily apparent, any helmet subjected to severe impact must be replaced.
 - Before using, replace any part showing wear or damage. Any decals applied to the helmet must be compatible with the surface material and known not to adversely affect the material properties of the helmet.
 - If using hearing protection, ensure that nothing interferes with the seal between the earmuffs and head. Interference with the seal between the earmuffs and head can reduce the noise attenuation of the earmuffs. Failure to follow this warning can result in permanent hearing loss.
 - Do not paint helmet or clean helmet with solvents.
 - Do not modify the structure of the helmet.
 - Do not exceed maximum useful life.
 - Do not use this helmet as a vehicular or sports helmet.
 - Do not use this helmet to go into areas where there is a risk of severe impact or penetration from dangerous objects.
- Failure to follow all warnings and instructions can result in serious injury or death.

1.1 Product Marking



WARNING!

ANSI/ISEA Z89.1-2014 (R2019), TYPE II, CLASS E helmets are designed to supply limited protection from electrical shock by preventing the passage of electrical current through the user's head and body. Do NOT use this helmet alone. Use other insulating protective equipment that is applicable to the risk related to the activity. Make sure that the nominal voltage that will occur during helmet use is not more than the electrical limits of the helmet. ANSI/ISEA Z89.1-2014 (R2019), TYPE II, CLASS C helmets do not supply electrical protection.

Failure to follow these warnings can result in serious personal injury or death.

2 Adjusting the Suspension



WARNING!

This helmet comes with the suspension installed. To supply maximum protection, make sure that the helmet is in the center position on your head and the fit is tight.

Failure to follow these warnings can result in serious personal injury or death

See Figure 1.

3 Adjusting the Chin Strap



WARNING!

If using hearing protection, ensure that the chinstrap does not interfere with the seal between the earmuffs and head. Interference with the seal between the earmuffs and head can reduce the noise attenuation of the earmuffs. Failure to follow this warning can result in permanent hearing loss.

See Figure 2.

Make sure that you adjust the chin strap for a tight fit.

4 Inspection



WARNING!

Examine the helmet before and after each use. If the helmet shows any of the following conditions of wear or damage, remove it from service immediately. Always replace your helmet after impact or penetration occurs.

Failure to follow this warning can result in serious personal injury or death.

Examine the shell for breakage, cracks, craze pattern, discoloration, chalky appearance, or any other unusual condition. If the shell shows any of these conditions, remove the helmet from service immediately. These conditions are signs that the helmet cannot supply protection from impact, penetration, and/or electrical shock. Examine the chin strap for missing, cut, frayed, or broken stitching. Examine the hardware on the chin strap for breakage, cracks, discoloration, or any other unusual condition. If the chin strap or hardware shows any of these conditions, replace the chin strap immediately. Make sure that a foam liner is attached to the shell. Examine the foam liner for fractures or damage. If the foam liner is damaged, remove the helmet from service immediately.

If helmet is equipped with a Mips® Safety System, examine the Mips® Low Friction Layer for any damage or defects such as breakages, cracks, discoloration or any other unusual condition. Examine the four (4) rubber fixations to make sure that they are properly attached to the helmet liner. Do not remove, reposition, or otherwise tamper with the Mips® system or use the helmet if the Mips® system is damaged or displaced. Failure to follow these warnings can result in serious personal injury or death.

5 Maintenance



WARNING!

Do NOT use paint thinner, solvents, or hydrocarbon-type cleaners such as methyl ethyl ketone (MEK), gasoline, or kerosene on the helmet. These substances can cause damage that you cannot see.

Failure to follow this warning can result in serious injury or death.

Do NOT let the helmet fall to the ground or use the helmet as a support. Clean the helmet regularly so sufficient inspection can be done. Use a solution of MSA's Confidence Plus® Cleaning Solution (P/N 10009971 or 10032737) or mild soap and warm water to clean the helmet assembly and sweat band. Do NOT use detergents to clean the helmet. Keep the suspension clean to prevent skin irritation.

Discard damaged equipment in accordance with local regulations. Remove the suspension, chin strap, light clips, and accessory hardware before you recycle the helmet shell.



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6 Storage and Product Lifetime



Heat, cold, chemicals, and sunlight have an effect on the electrical and mechanical properties of this helmet. V-Gard H2 Safety Helmets have a service life of 5 years, in addition to storage time. Helmets can be kept in storage for up to 2 years. Store helmet in a clean, dry environment, not in direct sunlight and not over 49°C (120°F). MSA recommends that you record the date of initial use on the label inside the helmet.

7 Accessories



Use only MSA V-Gard accessories with MSA protective helmets to be in compliance with the applicable safety standards. Only V-Gard accessory products are tested and approved as a fully integrated system with this helmet. Although non-MSA accessories may look as if they are effective on MSA helmets, MSA has evaluated only MSA helmet accessories. Failure to follow this warning can result in serious injury or death.

Contact MSA for a full range of accessories that are available from your local MSA partners: eye and face protection, hearing protection, chin straps, sweat bands, winter liners, and neck capes. Install approved accessories according to the manufacturers' recommendations. Information about how to install an accessory on the helmet is available in the applicable accessory manual.