User Instructions

V-Gard® H1 Safety Helmet

Head Protection

Order No.: 10194768/09

Print Spec: 10000005389 (F)

CR: 800000070585

WARNING!

These instructions must be provided to users before use of the product and retained for ready reference by the user. Read this manual carefully before using or maintaining the device. The device will perform as designed only if it is used and maintained in accordance with the manufacturer's instructions. Otherwise, it could fail to perform as designed, and persons who rely on this device could sustain serious injury or death.

The warranties made by MSA with respect to the product are voided if the product is not installed and used in accordance with the instructions in this manual. Please protect yourself and your employees by following the instructions.

Please read and observe the WARNINGS and CAUTIONS inside. For additional information relative to use or repair, call 1-800-MSA-2222 during regular working hours.

The Declaration of Conformity can be found under the following link: https://MSAsafety.com/DoC.

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The Safety Company

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Figures

Figure 1

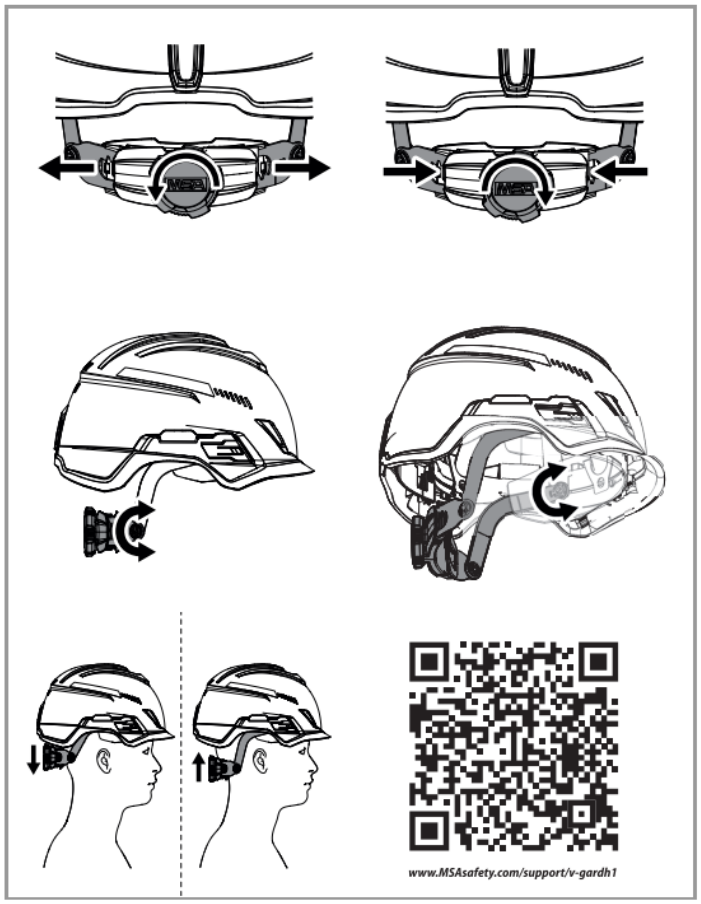
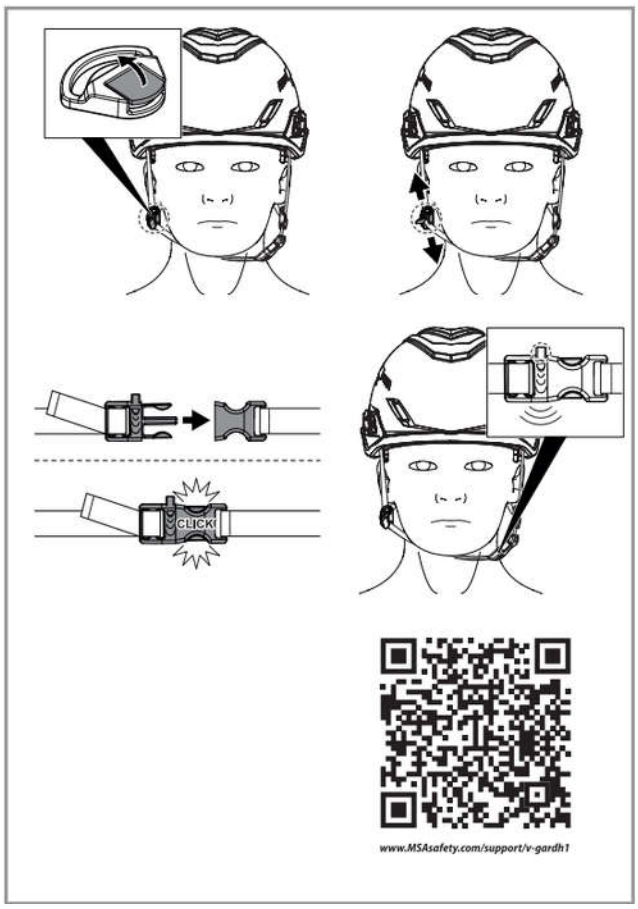


Figure 2



1 Certification Information

Manufacturer	EU Representative
V-Gard® H1 Safety Helmet MSA Europe Schlüsselstrasse 12 8645 Rapperswil-Jona Switzerland	MSA Technologies and Enterprise Services Thiemannstraße 1 12059 Berlin Germany

EU Certificate Holder	ANSI and CSA Certificate Holder
MSA Europe Schlüsselstrasse 12 8645 Rapperswil-Jona Switzerland	MSA Innovation, LLC 1000 Cranberry Woods Dr. Cranberry Twp, PA 16066 USA

Notified Body

EU Type Examination	CE Supervision Module D
DGUV Test Prüf- und Zertifizierungsstelle FB PSA Zwengenberger Straße 68 42781 Haan, Germany NB no.: 0299	Apave SA(ID number 0082) 6 Rue du Général Audran, 92412 COURBEVOIE Cedex, France NB no.: 0299
CE	EN 397/A1:2012, EN 12492:2012, EN 50365:2023 - type B European Economic Area

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2 Safety Instructions

WARNING!

- This instruction manual is to be removed from the helmet only by the end user. Read and obey all instructions.
- Use the correct MSA suspension with the MSA shell. Make sure that the suspension and helmet size are the same (for example, use only standard size suspension with standard size helmet). If the suspension and helmet sizes are different, helmet protection is decreased.
- This helmet supplies limited protection from impact and penetration to the top of the head. This helmet is not specifically designed to protect against front, side, or rear (that is, “lateral”) blows. As an Industrial Protective Type I helmet, this helmet should be effective against small tools, bolts, rivets, and similar hazards. Some conditions can exceed this helmet’s capacity to protect against serious injury or death.
- Do NOT use this helmet to go into areas where there is a risk of severe impact or penetration from dangerous objects.
- Do NOT use this helmet as a vehicular or sports helmet. Do NOT alter or modify this helmet in any way.
- Do NOT apply paint or attach stickers or labels that are not recommended by MSA to the helmet.
- This PPE is for intended use only.

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

MSA V-Gard® H1 safety helmets are available in configurations that comply with ANSI/ISEA Z89.1 for Type I, CSA Z94.1 for Type I, EN 12492:2012, and/or EN 397/A1:2012 when assembled with MSA's Fas-Trac® III Pivot suspension.

MSA V-Gard H1 safety helmets satisfy the requirements of Regulation (EU) 2016/425. Refer to the label inside the helmet for the applicable standards and options.

2.1 CE Approval - Product Marking

The helmet meets the requirements of Regulation (EU) 2016/425 and is certified according to EN 397/A1:2012 and EN 12492:2012, including the following optional requirements (as marked on the shell):

- 440 VAC = Electrical insulation
- -30°C = Very low temperature

«ELECTROSTATIC-INERIS» = For use in explosive atmospheres ATEX dust zones 20, 21, 22

	Information to Users EN 50365:2023 The double-triangle symbol specifies that the V-Gard H1 non-vented helmet is electrically insulated. Class 2 AC for installations with nominal voltage up to 17 000 VAC.

WARNING!

- ANSI/ISEA Z89.1 and CSA Z94.1 Class E and G, and EN 50365:2023 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 and CSA Z94.1 Class C helmets do not supply electrical protection.
- The following conditions for safe use must be observed for Electrostatic-INERIS helmets:
  - To make sure of the good flow of the electrostatic charges, it is imperative that the electric continuity is assured between the helmet and the earth by a contact with the skin.
  - The Personal Protection Equipment must be used with a conductive ground or a dissipator of electrostatic charges and shoes with a resistance lower than 1.10^8 ohms.
  - The operator must use a complete "antistatic" PPE adapted for use in ATEX zone (type jacket and pants).

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

V-Gard H1 non-vented helmets are Class E. V-Gard H1 vented helmets are Class C.

3 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. Do NOT keep gloves, cigarettes, earplugs, or other objects between the suspension and the shell. Objects in this space can transmit a large amount of force to the head and neck during impact and result in serious injury or death.

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

See Figure 1 .

4 Adjusting the Chin Strap

WARNING!

If using hearing protection, ensure that the chinstrap does not interfere with the seal between the ear-muffs and head. Interference with the seal between the ear-muffs and head can reduce the noise attenuation of the ear-muffs.

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

See Figure 2 . Make sure that you adjust the chin strap for a tight fit. To apply equal pressure between all four Y straps, pull the webbing through the side adjusters until the lengths are correct.

5 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.

Component	Inspection
Shell	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.
Suspension	Examine for proper installation of the suspension. All four (4) suspension clips must be fully seated into the suspension slots in the

Component	Inspection
	helmet shell. Examine the suspension for loss of flexibility, cracks, breaks, frayed straps, or damaged stitching. If the suspension shows any of these conditions, replace it immediately.
Chin Strap	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.
Rescue Whistle	Examine the rescue whistle for blockage or damage. Blow the whistle to make sure it operates correctly. If the rescue whistle is damaged or broken, replace the chin strap.
Foam Liner	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.

6 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 personal 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. MSA recommends that you replace the suspension after no more than 12 months of use and the shell after no more than 5 years of use.

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

7 Storage



Heat, cold, chemicals, and sunlight have an effect on the electrical and mechanical properties of this helmet. V-Gard H1 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. MSA recommends that you record the date of initial use on the label inside the helmet.

8 Accessories

WARNING!

Use only MSA V-Gard H1 Safety Helmet accessories with MSA protective helmets to be in compliance with the applicable safety standards. Only V-Gard H1 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 personal 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.