

V-Gard® H1 Safety Helmet

Technical Specifications — includes H1 Pro Safety Helmet



The V-Gard H1 Safety Helmet and accessories provide **exceptional comfort** and **ease of use** in a **stylish low-profile design**. A complete above-the-neck platform **for all applications**, especially work-at-heights, confined spaces, and rescue.

V-Gard H1 Safety Helmet Features (Global & Canada)

- Fas-Trac® III Pivot ratchet suspension for superior comfort, adjustability and range of motion; field replaceable
- Non-contact foam liner maximizes air flow & breathability for optimal cooling and hygiene
- 4-point chinstrap with multiple adjustment points for customized fit and comfort; field replaceable
- Convenient rescue whistle integrated into the chin strap buckle
- Premium sweatband with sweat-wicking fabric, breathable foam and Velcro® attachment for easy field replacement
- Patent pending “push-button” accessory attachment rail and universal light strap clips for simplicity and convenience
- Suspension and chinstrap fully assembled
- Reflective gray 360° striping included

Markets

- Utilities
- Oil, Gas & Petrochemical
- General Industry
- Construction

V-Gard H1 Pro Safety Helmet Features (ANSI Only)

- Fas-Trac® III H1 non-pivoting ratchet suspension comes standard for superior comfort, easy cleaning and durability; field replaceable
- Non-contact foam liner maximizes air flow & breathability for optimal cooling and hygiene
- 4-point chinstrap with multiple adjustment points for customized fit and comfort; field replaceable
- Convenient rescue whistle integrated into the chin strap buckle
- Sewn-in vinyl sweatband for added comfort, easy cleaning and durability
- Patent pending “push-button” accessory attachment rail and universal light strap clips for simplicity and convenience
- Meets the requirements of European standard EN124922012 for Shock Energy Absorption Capacity [4.2.1.1 (vertical/top), 4.2.1.2 (front), 4.2.1.3 (lateral), 4.2.1.4 (rear)], Penetration [4.2.2] and Retention System [4.2.3 (strength), 4.2.4 (effectiveness)]

Applications

- Working-at-heights
- Confined Space
- Rescue
- General Industry
- Construction

V-Gard H1 Helmet Technical Specifications



Customization Options for V-Gard H1 Safety Helmet (Global & Canada)

- Multiple printing services: one-color logo to digital photos, including individually personalized logos
- Up to three logo locations: Front, Back Left, Back Right
- With or without reflective gray 360° striping

Customization Options for V-Gard H1 Pro Safety Helmet (ANSI Only)

- MSA offers multiple printing services, from simple one-color logo to four-color with gradients
- Up to three logo locations: Front, Back Left, Back Right
- With or without reflective gray 360° striping
- Suspension type: Pivoting with Velcro Sweatband or Non-Pivoting with Sewn-In Vinyl Sweatband
- Chinstrap type: EN397 or EN12492 compliant
- Custom helmet colors available

Service Life Guidelines

- V-Gard Helmets are made with high-quality, wear-resistant materials
- Inspect the helmet before and after each use and replace any part(s) as required
- Always replace the helmet after it has withstood an impact or penetration. MSA recommends:
 - Replacing the suspension after no more than 12 months of use.
 - Replacing the chinstrap after no more than 12 months of use.
 - Replacing the shell after no more than five (5) years of use.
- Storage Life is 2 years from date of manufacture when stored as directed
- Warranty: 1 year from date of purchase (free from manufacturer's defects)
- Please consult user instructions for additional details

Care & Maintenance

- Clean helmet assembly regularly with MSA's Confidence Plus Cleaning Solution (P/Ns 10009971 or 10032737) or mild soap (no detergents) and warm water
- Do not throw, drop, use as support or abuse helmet to ensure proper working condition
- Store helmet in clean, dry environment, 5–35°C (41–95°F)

Technical Assistance/Additional Information

For more information about V-Gard Helmets and other MSA products, please contact MSA Customer Service at 1-800-MSA-2222 or visit [MSAafety.com](https://www.MSAafety.com).

Ordering Information — V-Gard H1 and H1 Pro Safety Helmets — Standard Colors							
	V-Gard H1 Safety Helmet (Global)			V-Gard H1 Pro Safety Helmet (ANSI Only)		V-Gard H1 Safety Helmet (Canada & ANSI)	
	Novent	Trivent	Bivent	Novent	Trivent	Novent	Bivent
WHITE	10194791	10194783	10212394	10236213	10236204	10219932	10219941
RED	10194792	10194784	10212395	10236214	10236205	10219933	10219942
BLUE	10194793	10194785	10212396	10236215	10236206	10219934	10219943
GREEN	10194794	10194786	10212397	10236216	10236207	10219935	10219944
YELLOW	10194795	10194787	10212398	10236217	10236208	10219936	10219945
HI-VIZ YELLOW GREEN	10194796	10194788	10212399	10236218	10236209	10219937	10219946
ORANGE	10194797	10194789	10212400	10236219	10236210	10219938	10219947
BLACK	10194798	10194790	10212401	10236220	10236211	10219939	10219948
GRAY	10204347	10204346	10212402	10236221	10236212	10219940	10219949
CUSTOM COLORS*	NA	NA	NA	Yes	Yes	Yes	Yes

*Contact Customer Service for Minimum Order Qty

Ordering Information — Other PPE	
V-Gard H1 Visor Frame*	
WITH DEBRIS CONTROL	10235987
NO DEBRIS CONTROL	10236392
REPLACEMENT DEBRIS CONTROL	10236393
V-Gard H1 Half-Face Spectacles	
CLEAR	10194820
SHADED	10217333
V-Gard H1 Full Face Shield	
CLEAR	10194818
MESH/FORESTRY	10194819
V-Gard Helmet Mounted Hearing Protection	
ATTENUATION: LOW	10190356
ATTENUATION: MEDIUM	10190357
ATTENUATION: HIGH	10190358

* Accepts all V-Gard Accessory System Visors — available mid 2023.

Ordering Information — Other PPE	
SunShades (Neck/Nape Protectors)	
YELLOW-GREEN	10098032
ORANGE	10098031
V-Gard Winter Liners	
KNIT CAP	10118417
KNIT FULL-FACE	10118418
FLAME-RESISTANT 2-PIECE FULL-FACE	10118427
CLEAR	10194818
MESH/FORESTRY	10194819
Replacement Chinstraps	
EN 397	10194766
EN 12492	10194765
EN 397 FR CHINSTRAP	10220915
Replacement Suspensions	
FAS-TRAC® III H1 PIVOT	10194760
FAS-TRAC® III H1 NON-PIVOTING	10239140

V-Gard H1 Helmet Technical Specifications

Specification	V-Gard H1 Safety Helmet (Global)			V-Gard H1 Pro Safety Helmet (ANSI Only)		V-Gard H1 Safety Helmet (Canada & ANSI)	
	Novent	Trivent	Bivent	Novent	Trivent	Novent	Bivent
Standards Compliance	ANSI/ISEA Z89.1-2014 EN 397:2012+A1:2012 EN 50365:2002-05 UKCA IRAM UNE-EN 397:1995	ANSI/ISEA Z89.1-2014 EN 12492:2012-04 UKCA	ANSI/ISEA Z89.1-2014 EN 397:2012+A1:2012 UKCA	ANSI/ISEA Z89.1-2014	ANSI/ISEA Z89.1-2014	ANSI/ISEA Z89.1-2014 CSA Z94.1-2015	ANSI/ISEA Z89.1-2014 CSA Z94.1-2015
Optional Requirements (ANSI)	LT (Low Temp) HT (High Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HT (High Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HT (High Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HT (High Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HT (High Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HV (Hi-Viz, as indicated)	LT (Low Temp) HV (Hi-Viz, as indicated)
Optional Requirements (EN)	-30°C 440 V AC ELECTROSTATIC-INERIS ATEX Dust Zones 20, 21, 22"	ELECTROSTATIC-INERIS ATEX Dust Zones 20, 21, 22"	-30°C ELECTROSTATIC-INERIS ATEX Dust Zones 20, 21, 22"				
ANSI Z89.1 & CSA Z94.1 Classification	Type I, Class E	Type I, Class C	Type I, Class C	Type I, Class E	Type I, Class C	Type I, Class E	Type I, Class C
EN12492:2012-04 Clauses							
Shock Energy Absorption Capacity	Meets	Certified	Meets	Meets	Meets		
4.2.1.1 (vertical/top)	Meets	Certified	Meets	Meets	Meets		
4.2.1.2 (front)	Meets	Certified	Meets	Meets	Meets		
4.2.1.3 (lateral)	Meets	Certified	Meets	Meets	Meets		
4.2.1.4 (rear)	Meets	Certified	Meets	Meets	Meets		
Penetration: 4.2.2	Meets	Certified	Meets	Meets	Meets		
Retention system							
4.2.3 (strength)		Certified		Meets	Meets		
4.2.4 (effectiveness)		Certified		Meets	Meets		
3rd Party Certifications	SEI and BG BAU	SEI and BG BAU	SEI and BG BAU	SEI	SEI	SEI	SEI
Style	Non-vented	Vented	Vented	Non-vented	Vented	Non-vented	Vented
4-Point Chinstrap	EN 397 Compliant	EN 12492 Compliant	EN 397 Compliant	EN 12492 Compliant	EN 12492 Compliant	EN 397 Compliant	EN 397 Compliant
Suspension	Fas-Trac® III Pivot Ratchet Suspension	Fas-Trac® III Pivot Ratchet Suspension	Fas-Trac® III Pivot Ratchet Suspension	Fas-Trac® III Non-Pivoting Ratchet Suspension	Fas-Trac® III Non-Pivoting Ratchet Suspension	Fas-Trac® III Pivot Ratchet Suspension	Fas-Trac® III Pivot Ratchet Suspension
Sweatband	Replaceable sweat-wicking						
Reflective Gray 360° Striping	Included	Included	Included	Optional	Optional	Included	Included
Assembly	Fully assembled	Fully assembled	Fully assembled	Suspension & chinstrap installation required	Suspension & chinstrap installation required	Fully assembled	Fully assembled

V-Gard H1 Helmet Technical Specifications



Specification	V-Gard H1 Safety Helmet (Global)			V-Gard H1 Pro Safety Helmet (ANSI Only)		V-Gard H1 Safety Helmet (Canada & ANSI)	
	Novent	Trivent	Bivent	Novent	Trivent	Novent	Bivent
Product Size	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)	Standard Head Size 6 ½ – 8 (52-64 cm circumference)
Material	Virgin high-density polyethylene (HDPE) with UV inhibitor Polystyrene Nylon and polypropylene Polyester and acetal Polyester						
Shell							
Interior Foam							
Suspension							
Chinstrap							
Sweatband							
Product Dimensions	10.1" X 8.5" X 6.5" (25.7 cm x 21.6 cm x 16.5 cm)						
Product Weight	18.2 oz. (515 g)	18.2 oz. (515 g)	18.2 oz. (515 g)	18.2 oz. (515 g)	18.2 oz. (515g)	18.3 oz (520 g)	18.3 oz (520 g)
Min Order Quantities (MOQ)							
Stocked color, no logo	1	1	1	1	1	1	1
Stocked color with logo(s)	16	16	16	16	16	16	16
Non-stocked custom color	NA	NA	NA	48	48	48	48
Non-qualified custom color	NA	NA	NA	96	96	96	96
Shipping Carton Dimension (single)	10.2" x 8.6" x 6.9" (25.9cm x 21.8cm x 17.5cm)						
Shipping Carton Weight (single)	2 lbs (0.9 kg)	2 lbs (0.9 kg)	2 lbs (0.9 kg)	1.66 lbs (0.75 kg)	1.66 lbs (0.75 kg)	2 lbs (0.9 kg)	2 lbs (0.9 kg)

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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