

V-Gard H2™ Safety Helmet

Technical Data Sheet



The V-Gard H2™ Safety Helmet provides superior comfort and versatility while incorporating the latest technology to help protect against lateral impacts. The optional Mips® safety system adds another layer of protection helping to mitigate brain trauma by redirecting rotational forces in the event of an impact.

Features

- ANSI Z89.1 Type II certification with integrated chinstrap for enhanced protection against lateral impacts, including during slips, trips, and falls.
- Mips® Safety System for rotational impact protection to help reduce the risk of traumatic brain injury resulting from slips, trips, and falls (*if applicable*).
- Comfortable ratchet suspension that's easily adjustable with a gloved hand.
- 4-point chinstrap with multiple adjustment points for customized fit and comfort; EN12492 compliant; field replaceable.
- Antimicrobial treatment of sweatband, crown pad, and ratchet pad with Ionic+ high purity silver to eliminate odor-causing bacteria.
- Venting for improved air flow, cooling and reduced heat stress (*if applicable*).
- Patented “push-button” accessory attachment rail and universal light strap clips for simplicity and convenience.
- Extensive accessory compatibility with nearly all V-Gard H1™ and V-Gard® accessories for a wide variety of industrial applications and easy integration with existing inventory.
- Quick and easy customization with thousands of existing logos, easy creation of new logos, and optional 360° reflective stripes.

Applications

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

Markets

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

Specifications

| | |
|--|--|
| Standards Compliance | ANSI/ISEA Z89.1-2014 (R2019) |
| Optional Requirements (ANSI) | HT (<i>High Temp</i>) HV (<i>Hi-Viz, as indicated</i>) |
| ANSI Z89.1 Classification | Type II, Class E (<i>non-vented</i>) Type II, Class C (<i>vented</i>) |
| EN12492:2012-04 Clauses | |
| <i>Shock Energy Absorption Capacity</i> | 4.2.1.2 (<i>front</i>) 4.2.1.3 (<i>lateral</i>) 4.2.1.4 (<i>rear</i>) |
| <i>Retention system</i> | 4.2.3 (<i>strength</i>) 4.2.4 (<i>effectiveness</i>) |
| 3rd Party Certifications | SEI |
| Styles | Vented Non-Vented |
| 4-Point Chin Strap | ANSI Z89.1 Type II and EN 12492 compliant |
| Suspension | Non-replaceable EPS Foam |
| Rotation Impact Protection | N/A (<i>without Mips</i>) Mips® Safety System (<i>with Mips</i>) |
| Sweatband | Replaceable Ionic+® Anti-Microbial treatment (<i>high purity silver</i>) |
| Customization Options | Up to 4-color logos Up to three logo locations: front, back left, back right Optional reflective stripes (<i>white or yellow</i>): front, back, and/or sides for up to 360° coverage |
| Assembly | Fully assembled |
| Product Size | 53-63 cm circumference |
| Dimensions | 10.2" x 8.5" x 6.3" (26.0 cm x 21.7 cm x 16.1 cm) |
| Weight | 1.16 lb. (527 g) (<i>Non-Vented without Mips</i>) 1.14 lb. (516 g) (<i>Vented without Mips</i>) 1.23 lb. (558 g) (<i>Non-Vented with Mips</i>) 1.21 lb. (547 g) (<i>Vented with Mips</i>) |
| Materials | |
| <i>Shell</i> | Virgin Acrylonitrile Butadiene Styrene (ABS) |
| <i>Interior Foam</i> | Expanded Polystyrene (EPS) |
| <i>Headband & Ratchet</i> | Polypropylene, POM (Acetal), ABS |
| <i>Chinstrap</i> | Polyester, POM (Acetal), Nylon |
| <i>Sweatband, Crown Pad, & Ratchet Pad</i> | Polyester with Ionic+ antimicrobial treatment (<i>high purity silver</i>) |
| Minimum Order Quantity | 1 (<i>Stocked Color, No Logo</i>) 16 (<i>Stocked Color with Logo[s]</i>) 480 (<i>Non-Stocked Custom Color</i>) 480 (<i>Non-Qualified Custom Color</i>) |
| Shipping Carton Dimension (single) | 10.6" x 9.2" x 6.9" (27.0 cm x 23.3 cm x 17.5 cm) |
| Shipping Carton Weight (single) | 1.58 lb. (715 g) (<i>Non-Vented without Mips</i>) 1.55 lb. (705 g) (<i>Vented without Mips</i>) 1.64 lb. (745 g) (<i>Non-Vented with Mips</i>) 1.62 lb. (735 g) (<i>Vented with Mips</i>) |

V-Gard H2 Safety Helmet

| Color | Vented | | Non-Vented | |
|---------------|------------------|------------------|------------------|------------------|
| | without Mips | with Mips | without Mips | with Mips |
| White | 10242629 | 10242813 | 10242635 | 10242822 |
| Black | 10242630 | 10242814 | 10242636 | 10242823 |
| Yellow | 10242631 | 10242815 | 10242637 | 10242824 |
| Blue | 10242632 | 10242816 | 10242638 | 10242825 |
| Gray | 10242633 | 10242817 | 10242639 | 10242826 |
| Orange | 10242807 | 10242818 | 10242810 | 10242827 |
| Red | 10242808 | 10242819 | 10242811 | 10242828 |
| Green | 10242809 | 10242820 | 10242812 | 10242829 |
| Hi-Viz Yellow | 10242634 | 10242821 | 10242640 | 10242830 |
| Custom | YES (480 MOQ) | YES (480 MOQ) | YES (480 MOQ) | YES (480 MOQ) |

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)

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.
- Storage Life is 2 years from date of manufacture when stored as directed. Storage beyond 2 years should be deducted from Service Life.
- Maximum service life: 5 years
- Warranty: 1 year from date of purchase (free from manufacturer's defects)
- Please consult user instructions for additional details.

Accessories & Replacement Parts

| P/N | Description |
|----------|--|
| 10194818 | V-Gard H1 Clear Face Shield |
| 10194819 | V-Gard H1 Mesh/Forestry Face Shield |
| 10194820 | V-Gard H1 Half-Face Spectacles |
| 10217333 | V-Gard H1 Shaded Half-Face Spectacles |
| 10242641 | V-Gard H2 replacement chinstrap |
| 10242642 | V-Gard H2 replacement crown pad |
| 10242643 | V-Gard H2 replacement sweatband |
| 10246731 | V-Gard H2 Mips replacement sweatband |
| 10242644 | V-Gard H2 replacement padding set |
| 10246730 | V-Gard H2 Mips replacement padding set |
| 10236392 | V-Gard H1 Visor Frame, w/o debris control |
| 10235987 | V-Gard H1 Visor Frame, w/debris control |
| 10236393 | V-Gard H1 Visor Frame replacement debris control |
| 10190356 | V-Gard Cap Mounted Hearing Protection, low |
| 10190357 | V-Gard Cap Mounted Hearing Protection, medium |
| 10190358 | V-Gard Cap Mounted Hearing Protection, high |



White



Black



Yellow



Blue



Gray



Orange



Red



Green



Hi-Viz Yellow

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

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>.

MSA operates in over 40 countries worldwide. To find an MSA office near you, please visit [MSAsafety.com/offices](https://www.msasafety.com/offices).