

# V-Gard C1™ Hard Hats

## Technical Data Sheet



### Description

The V-Gard C1 Hard Hat is a general purpose full-brim hard hat, particularly suited for outdoor workers in sunny conditions. The patented ReflectIR™ thermal barrier keeps the inside of the hard hat up to 20°F (11°C) cooler in sunny conditions, while a moisture-wicking padded sweatband keeps you drier and more comfortable. The brim and optional vents are the largest offered on a full-brim V-Gard® Hard Hat to provide additional shade and significant air flow. The V-Gard C1 Hard Hat is compatible with all V-Gard full-brim accessories for superior versatility and ease of use.



### Features

- Patented ReflectIR™ Thermal Barrier keeps the inside of the hard hat up to 20°F (11°C) cooler in sunny conditions (compared to a hard hat without the ReflectIR thermal barrier; testing done with black, non-vented, V-Gard C1 Hard Hats).
- Includes a moisture-wicking sweatband with breathable foam padding for additional comfort and sweat management.
- V-Gard C1 full-brim Hard Hat has 12% more coverage than the V-Gard full-brim Hard Hat for added shade and sun protection.
- Optional venting for enhanced air flow and cooling; largest vents available in a full-brim V-Gard Hard Hat.
- Unique textured brim for added grip when donning & doffing the hard hat.
- Fas-Trac® III ratchet 4-point Suspension is pre-installed for superior comfort and adjustability.



### Markets

- General industry
- Construction
- Utility
- Oil, gas, and petroleum



### Applications

- General purpose



### Customization

- Full-color logos available in up to three locations:
  - Front and back
  - Front, back left, and back right
- Reflective striping available in silver or yellow up to 360° coverage: front, back and sides
- Custom hard hat colors available



### Care & Maintenance

- Clean hard hat 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 hard hat to ensure proper working condition
- Store hard hat in clean, dry environment, 5–35°C (41–95°F)



### Service Life Guidelines

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



### Technical Assistance/ Additional Information

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



WE KNOW WHAT'S AT STAKE.



| MSA V-GARD C1 HARD HAT TECHNICAL SPECIFICATIONS |                                                                                                                                                                                          |                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| Specifications                                  | Non-vented                                                                                                                                                                               | Vented                       |
| STANDARDS COMPLIANCE                            | ANSI/ISEA Z89.1-2014 (R2019)                                                                                                                                                             | ANSI/ISEA Z89.1-2014 (R2019) |
|                                                 | CSA Z94.1-15                                                                                                                                                                             | CSA Z94.1-15                 |
| OPTIONAL REQUIREMENTS (ANSI)                    | LT (Low Temp)                                                                                                                                                                            | LT (Low Temp)                |
|                                                 | HT (High Temp)                                                                                                                                                                           | HT (High Temp)               |
|                                                 | Reverse Donning                                                                                                                                                                          | Reverse Donning              |
|                                                 | HV (Hi-Viz, as indicated)                                                                                                                                                                | HV (Hi-Viz, as indicated)    |
| ANSI Z89.1 & CSA Z94.1 CLASSIFICATION           | Type 1, Class E                                                                                                                                                                          | Type 1, Class C              |
| 3RD PARTY CERTIFICATIONS                        | SEI                                                                                                                                                                                      | SEI                          |
| STYLE                                           | Non-vented                                                                                                                                                                               | Vented                       |
| PRODUCT SIZE                                    | Standard head size 6½–8 (52–64 cm head circumference)                                                                                                                                    |                              |
| COLORS (PN)                                     |                                                                                                                                                                                          |                              |
| White                                           | 10215837                                                                                                                                                                                 | 10215828                     |
| Red                                             | 10215838                                                                                                                                                                                 | 10215829                     |
| Blue                                            | 10215839                                                                                                                                                                                 | 10215830                     |
| Green                                           | 10215840                                                                                                                                                                                 | 10215831                     |
| Yellow                                          | 10215841                                                                                                                                                                                 | 10215832                     |
| Orange                                          | 10215843                                                                                                                                                                                 | 10215834                     |
| Black                                           | 10215844                                                                                                                                                                                 | 10215835                     |
| Gray                                            | 10215845                                                                                                                                                                                 | 10215836                     |
| Hi-Viz Orange                                   | 10215842                                                                                                                                                                                 | 10215833                     |
| Hi-Viz Yellow Green                             | 10237724                                                                                                                                                                                 | 10236066                     |
|                                                 | Custom color options available                                                                                                                                                           |                              |
| MATERIALS                                       |                                                                                                                                                                                          |                              |
| Shell                                           | Virgin high-density polyethylene (HDPE) with UV inhibitor                                                                                                                                |                              |
| Suspension                                      | Nylon and polypropylene                                                                                                                                                                  |                              |
| Sweatband                                       | Polyester                                                                                                                                                                                |                              |
| OTHER PPE                                       | Compatible with all current V-Gard Hard Hat accessories: Fas-Trac III® Suspension, frames, visors, hearing protection, chinstraps, sun shades, sun shields, cooling pads & winter liners |                              |
| PRODUCT DIMENSIONS                              | 12.6" x 11.0" x 7.4" (L x W x H)                                                                                                                                                         |                              |
| PRODUCT WEIGHT                                  | 440 g                                                                                                                                                                                    |                              |
| MIN ORDER QUANTITIES (MOQ)                      |                                                                                                                                                                                          |                              |
| Stocked Color, No Logo                          | 16                                                                                                                                                                                       |                              |
| Stocked Color with Logo(s)                      | 16                                                                                                                                                                                       |                              |
| Non-Stocked Custom Color                        | 96                                                                                                                                                                                       |                              |
| Non-Qualified Custom Color                      | 512                                                                                                                                                                                      |                              |
| SHIPPING CARTON                                 |                                                                                                                                                                                          |                              |
| Carton Product Quantity                         | 8 per carton                                                                                                                                                                             |                              |
| Shipping Carton Dimensions                      | 24.6" x 22.4" x 13.1"                                                                                                                                                                    |                              |
| Shipping Carton Weight                          | 11 lbs.                                                                                                                                                                                  |                              |

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://us.msasafety.com/offices).