

# V-Gard® Protective Caps & Hats



## Provides Superior Impact Protection

The MSA V-Gard Helmet, with its distinctive trademark "V" design, is a world recognized brand known for comfort, quality, and durability. MSA has sold well over 100 million V-Gard Helmets since its introduction—so many in fact, that the iconic "V" design has been a mainstay for many years on even the toughest worksites. When you want the best comfort, quality and durability worn by millions across the globe, you need to buy the original MSA V-Gard Helmet, settle for nothing less.

- Self-adjusting crown straps ensure a comfortable fit
- Available in a variety of colors and sizes
- Superior top impact protection
- Designed for use with MSA accessories to ensure compliance with the helmet and accessory

### Specifications

<b>CLASSIFICATION</b>	Type I, Top Impact
<b>APPLICATION</b>	General purpose
<b>SHELL MATERIAL</b>	Polyethylene
<b>AVAILABLE STYLES</b>	Slotted cap; slotted full-brim hat
<b>SIZES</b>	<b>CAP:</b> Small (6 – 7½"), Standard (6½ – 8"), Large (7 – 8½") <b>HAT:</b> Standard (6½ – 8")
<b>STANDARDS</b>	ANSI/ISEA Z89.1-2014 (Class E), CSA Z94.1-2015 (Class E)
<b>CERTIFICATION</b>	Third-party by SEI
<b>CUSTOMIZATION</b>	Imprinting and striping available

#### DID YOU KNOW?

All V-Gard Helmets have UV inhibitor molded right in.

#### DID YOU KNOW?

MSA helmets marked LT meet voluntary requirements for "Lower Temperature." Helmets marked LT are conditioned to -22°F and then tested for impact and penetration, as outlined in the Standard. Any helmet NOT marked with LT is tested to 0°F.

**WE KNOW WHAT'S AT STAKE.**

# V-Gard® Protective Caps & Hats



## V-Gard® Cap-Style Hard Hats

Color	Staz-On® Suspension	1 Touch® Suspension <sup>1</sup>	Fas-Trac III Suspension <sup>1</sup>
Standard Size			
WHITE	463942	10057441	475358
BLUE	463943	10057442	475359
YELLOW	463944	10057443	475360
ORANGE	463945	10057444	475361
RED	463947	10057446	475363
GREEN	463946	10057445	475362
GRAY	463948	10057447	475364
HI-VIZ® ORANGE <sup>2</sup>	488148	10057420	488146
HI-VIZ YELLOW-GREEN <sup>2</sup>	—	10061514	10061512
BRIGHT LIME GREEN	815558	—	815565
DARK (CANADIAN) BLUE	—	—	802972
GOLD	464852	—	475365
ROBIN'S EGG BLUE	463111	—	495853
BROWN	464658	—	495854
SILVER	484340	—	495855
TAN	461180	—	—
BLACK	475235	—	492559
LIGHT BUFF	478237	—	495856
PURPLE	488398	—	495858
PINK	—	—	495862
HOT PINK	10155231	—	10155230
Small Size			
WHITE	466354	—	477477
BLUE	466355	—	477478
YELLOW	466356	—	477479
BRIGHT LIME GREEN	—	—	489368
Large Size			
WHITE	473284	—	477482
BLUE	476928	—	477483
YELLOW	473285	—	477484
HI-VIZ® ORANGE <sup>2</sup>	—	—	489364

<sup>1</sup> Certified to CSA.

<sup>2</sup> V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

## V-Gard® Hat-Style Hard Hats

Color	Staz-On® Suspension	1 Touch® Suspension <sup>1</sup>	Fas-Trac III Suspension <sup>1</sup>
Standard Size			
WHITE	454733	10058321	475369
BLUE	454732	10058320	475368
YELLOW	454730	10058318	475366
ORANGE	454734	10058322	496075
RED	454736	10058324	475371
GREEN	454735	10058323	475370
GRAY	454731	10058319	475367
HI-VIZ® ORANGE <sup>2</sup>	489360	10058326	10021292
HI-VIZ YELLOW-GREEN <sup>2</sup>	—	10061516	10061515
BRIGHT LIME GREEN	815562	—	815570
DARK (CANADIAN) BLUE	—	—	802975
HOT PINK	10156374	—	10156373

## Additional V-Gard Caps and Hats

MSA also offers an additional selection of V-Gard Caps and Hats with a variety of finishes, patterns, and colors. Click the links below to learn more!



[V-Gard® GREEN Hard Hats](#)



[V-Gard® Matte Hard Hats](#)



[V-Gard® Hydro Dip Hard Hats](#)



[Specialty V-Gard® Hard Hats](#)

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://MSAsafety.com/offices).



# Above-the-Neck Protection Solutions

Compatible safety products to protect your head, face, hearing, and vision



**WE KNOW WHAT'S AT STAKE.**



## Join the millions around the globe who choose MSA: *For safety. For value.*

This catalog highlights **MSA's comprehensive head, eye, face and hearing (HEFH) protection line**. Our hard hats, eye/face protection products, helmet accessories, hearing protection products—and more—provide seamless safety solutions to protect workers around the world. For a complete product listing, see the most recent MSA Safety Equipment Catalog, call our award-winning customer service department, or visit [MSAsafety.com](http://MSAsafety.com).

### V-Gard® Hard Hats



V-Gard Cap with Fas-Trac® III Suspension



V-Gard Full-Brim Hat with Fas-Trac® III Suspension

#### GLOSS FINISH

Classification	Type I
Application	General purpose
Shell Material	Polyethylene
Styles	Slotted cap; slotted full-brim hat
Sizes	<b>Cap-Style:</b> small (6 – 7½); standard (6½ – 8); large (7 – 8½) <b>Full-Brim Hat:</b> standard (6½ – 8)
Standards	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
Certification	Third-party by SEI
Customization	Imprinting and striping available (see pages 9–10)
Replacement Suspensions	See page 11

#### MATTE FINISH

Classification	Type I
Application	General purpose
Shell Material	Polyethylene
Styles	<b>Slotted cap only</b>
Sizes	<b>Cap-Style:</b> standard (6½ – 8)
Standards	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
Certification	Third-party by SEI
Customization	Imprinting and striping available (see pages 9–10)
Replacement Suspensions	See page 11



#### DID YOU KNOW?

All V-Gard Helmets have UV inhibitor molded right in.



#### DID YOU KNOW?

MSA helmets marked **LT** meet voluntary requirements for "Lower Temperature." Helmets marked LT are conditioned to -22°F and then tested for impact and penetration, as outlined in the Standard. Any helmet NOT marked with LT is tested to 0°F.

#### CUSTOMIZATION:

Imprinting and striping available—see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

## V-Gard® Cap-Style Hard Hats

STANDARD V-GARD SLOTTED CAPS			
Color	w/ Staz-On® Suspension	w/ 1 Touch® Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>
<b>GLOSS FINISH</b>			
WHITE	463942	10057441	475358
BLUE	463943	10057442	475359
YELLOW	463944	10057443	475360
ORANGE	463945	10057444	475361
RED	463947	10057446	475363
GREEN	463946	10057445	475362
GRAY	463948	10057447	475364
HI-VIZ® ORANGE <sup>2</sup>	488148	10057420	488146
HI-VIZ YELLOW-GREEN <sup>2</sup>	—	10061514	10061512
BRIGHT LIME GREEN	815558	—	815565
DARK (CANADIAN) BLUE	—	—	802972
GOLD	464852	—	475365
ROBIN'S EGG BLUE	463111	—	495853
BROWN	464658	—	495854
SILVER	484340	—	495855
TAN	461180	—	—
BLACK	475235	—	492559
LIGHT BUFF	478237	—	495856
PURPLE	488398	—	495858
PINK	—	—	495862
HOT PINK	10155231	—	10155230

STANDARD V-GARD SLOTTED CAPS	
Color	w/ Fas-Trac III Suspension <sup>1</sup>
<b>MATTE FINISH</b>	
WHITE	10203081
BLUE	10203082
YELLOW	10203083
ORANGE	10203087
RED	10203086
GREEN	10203085
GRAY	10203084
HI-VIZ® ORANGE <sup>2</sup>	10203089
HI-VIZ YELLOW <sup>2</sup>	10203088
BLACK	10203092



### DID YOU KNOW?

NFPA 70E is a work practice; it is not a standard and does not specify any test methods. No products “meet” NFPA 70E—users simply follow the practice of NFPA 70E. For head protection, NFPA 70E recommends that users wear Class E hard hats in following this work practice.

SMALL V-GARD SLOTTED CAPS			
Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension <sup>1</sup>	
<b>GLOSS FINISH</b>			
WHITE	466354	477477	
BLUE	466355	477478	
YELLOW	466356	477479	
BRIGHT LIME GREEN	—	489368	

LARGE V-GARD SLOTTED CAPS			
Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension <sup>1</sup>	
<b>GLOSS FINISH</b>			
WHITE	473284	477482	
BLUE	476928	477483	
YELLOW	473285	477484	
HI-VIZ® ORANGE <sup>2</sup>	—	489364	

STANDARD V-GARD CAP SPECIAL ASSEMBLIES				
Color	w/ Staz-On Suspension	w/ 1 Touch Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>	
<b>GLOSS FINISH</b>				
HI-VIZ ORANGE w/yellow-green stripe <sup>2</sup>	—	10102195	10102193	
HI-VIZ YELLOW-GREEN w/red-orange stripe <sup>2</sup>	—	10102234	10102233	
HI-VIZ YELLOW-GREEN w/silver stripe <sup>2</sup>	—	10102196	10102194	
WHITE w/lamp bracket and cord holder (Class C)	460018	—	—	
WHITE w/American Flag	474159	—	—	
WHITE w/Swing-Ratchet Suspension	10004689	—	—	



V-Gard w/Lamp Bracket and Cord Holder



V-Gard w/Swing-Ratchet Suspension

<sup>1</sup>Certified to CSA.

<sup>2</sup>V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

**V-Gard® Full-Brim Hard Hats****STANDARD V-GARD FULL-BRIM HATS**

Color	w/ Staz-On Suspension	w/ 1 Touch Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>
<b>GLOSS FINISH</b>			
WHITE	454733	10058321	475369
BLUE	454732	10058320	475368
YELLOW	454730	10058318	475366
ORANGE	454734	10058322	496075
RED	454736	10058324	475371
GREEN	454735	10058323	475370
GRAY	454731	10058319	475367
HI-VIZ® ORANGE <sup>2</sup>	489360	10058326	10021292
HI-VIZ YELLOW-GREEN <sup>2</sup>	—	10061516	10061515
BRIGHT LIME GREEN	815562	—	815570
DARK (CANADIAN) BLUE	—	—	802975
HOT PINK	10156374	—	10156373

**STANDARD V-GARD FULL-BRIM HAT SPECIAL ASSEMBLIES**

Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension <sup>1</sup>
<b>GLOSS FINISH</b>		
WHITE w/lamp bracket and cord holder (Class C)	460069	815009

**V-Gard® GREEN Hard Hats: *the world's first hard hat made from renewable resources***

V-Gard GREEN hard hats are constructed of renewable green high-density polyethylene (GHDPE); traditional V-Gard Helmets are manufactured through standard HDPE production methods. V-Gard GREEN hard hats provide the same appearance and quality as MSA V-Gard hard hat. Test results for V-Gard GREEN helmet shells indicated 95% bio-based content.

Classification	.....Type I
Application	.....General purpose
Shell Material	.....Green high-density polyethylene (GHDPE)
Styles	.....Slotted cap with 4-point Fas-Trac III Suspension; .....Slotted full-brim hat with 4-point Fas-Trac III Suspension
Sizes	.....Standard (6½ – 8)
Standards	.....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
Certification	.....Third-party by SEI; USDA Biobased Certified

**V-GARD C1 HARD HATS**

Color	Slotted Cap	Slotted Full-Brim Hat
<b>WITH 4-POINT FAS-TRAC SUSPENSION</b>		
WHITE	10150199	10160923
BLUE	10150221	10160925
YELLOW	10150200	10160924
RED	10150223	10160927
GREEN	10150222	10160926

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10**REPLACEMENT SUSPENSIONS:** See page 11**DID YOU KNOW?**

On average, production of each V-Gard GREEN helmet removes approximately 2 lbs. of CO<sub>2</sub> from the atmosphere, according to the GHDPE material supplier.

<sup>1</sup>Certified to CSA.<sup>2</sup>V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.



## V-Gard® H1 Safety Helmets

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.

- Fas-Trac® III Pivot ratchet suspension for **superior comfort, adjustability and range of motion**
- Non-contact foam liner maximizes air flow & breathability for **optimal cooling and hygiene**
- Vented options for **optimal air flow and cooling**
- Field replaceable 4-point chinstrap with multiple adjustment points for **customized fit and comfort**
- Premium sweatband with sweat-wicking fabric, breathable foam and Velcro® attachment for **easy field replacement**
- Patented “push-button” accessory attachment rail and universal lighting clips for **quick installation and removal**
- **Convenient rescue whistle** integrated into the chin strap buckle

	V-Gard H1 Safety Helmet (novent)		V-Gard H1 Safety Helmet (trivent)		V-Gard H1 Safety Helmet (bivent)
<b>Classification</b> ..... Type I <b>Markets</b> ..... Utilities; oil, gas and petrochemical; general industry; construction <b>Application</b> ..... General Industry; construction; working-at-heights; confined space; rescue <b>Shell Material</b> ..... HDPE (high-density polyethylene) <b>Styles</b> ..... Novent; trivent; bivent <b>Sizes</b> ..... Standard 6 1/2 – 8 (52–64 cm) head circumference <b>Standards</b> ..... See "Certifications" in chart below					
<b>CUSTOMIZATION:</b> Stylish dark gray reflective striping standard. Imprinting available—see pages 9–10					<b>ACCESSORIES:</b> See page 16
	NOVENT w/ pivoting Fas-Trac III Suspension	TRIVENT w/ pivoting Fas-Trac III Suspension	BIVENT w/ pivoting Fas-Trac III Suspension	NOVENT w/ pivoting Fas-Trac III Suspension	BIVENT w/ pivoting Fas-Trac III Suspension
<b>CERTIFICATIONS</b>	ANSI, EUROPE & ARGENTINA			ANSI & CANADA	
ANSI Z89.1	■	■	■	■	■
EN397	■		■		
EN12492		■			
CSA Z94.1				■	■
IRAM	■		■		

V-GARD H1 SAFETY HELMET ASSEMBLIES					
WHITE	10194791	10194783	10212394	10219932	10219941
RED	10194792	10194784	10212395	10219933	10219942
BLUE	10194793	10194785	10212396	10219934	10219943
GREEN	10194794	10194786	10212397	10219935	10219944
YELLOW	10194795	10194787	10212398	10219936	10219945
HI-VIZ YELLOW GREEN	10194796	10194788	10212399	10219937	10219946
ORANGE	10194797	10194789	10212400	10219938	10219947
BLACK	10194798	10194790	10212401	10219939	10219948
GRAY	10204347	10204346	10212402	10219940	10219949



## V-Gard H2™ Safety Helmets

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® brain protection system adds another layer of protection in industrial safety helmets, designed to help reduce the risk of brain trauma by redirecting rotational energies in the event of certain angled impacts.

- **Quick and easy customization** with thousands of existing logos, easy creation of new logos, and reflective stripes.
- **Integrated headlamp strap clips** for easy and secure donning and doffing of lights on the helmet.
- **ANSI Z89.1 Type II certification** with integrated chinstrap for enhanced protection against lateral impacts.
- **Non-vented options** for use in electrical applications where Class E certification is needed.
- **Optional venting** for improved air flow, cooling and reduced heat stress.
- **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.
- **Comfortable ratchet suspension** that's easily adjustable with a gloved hand.
- **Antimicrobial sweatband, crown pad, and ratchet pad** with Ionic+® high-purity silver to eliminate odor-causing bacteria.
- **Optional Mips® system** for additional rotational impact protection designed to help reduce the risk of traumatic brain injury.

Vented W/O MIPS	Non-Vented W/O MIPS	Vented With MIPS	Non-Vented With MIPS
<b>Classification</b> ..... Type II			
<b>Markets</b> ..... Utilities; oil, gas and petrochemical; general industry; construction			
<b>Application</b> ..... General Industry; construction; working-at-heights; confined space; rescue			
<b>Shell Material</b> ..... ABS (Acrylonitrile Butadiene Styrene)			
<b>Styles</b> ..... Vented and non-vented			
<b>Sizes</b> ..... Standard 6 1/2 – 8 (53 – 63 cm) head circumference			
<b>Standards</b> ..... VENTED: ANSI/ISEA Z89.1-2014 (R2019), Type II, Class C, HT, HV (if applicable) NON-VENTED: ANSI/ISEA Z89.1-2014 (R2019), Type II, Class E, HT, HV (if applicable)			

**CUSTOMIZATION:** Stylish dark gray reflective striping standard. Imprinting available—see pages 9–10

**ACCESSORIES:** See page 7

	VENTED without Mips	NON-VENTED without Mips	VENTED with Mips	NON-VENTED with Mips
<b>V-GARD H2 SAFETY HELMET ASSEMBLIES</b>				
WHITE	10242629	10242635	10242813	10242822
RED	10242808	10242811	10242819	10242828
BLUE	10242632	10242638	10242816	10242825
GREEN	10242809	10242812	10242820	10242829
YELLOW	10242631	10242637	10242815	10242824
HI-VIZ YELLOW	10242634	10242640	10242821	10242830
ORANGE	10242807	10242810	10242818	10242827
BLACK	10242630	10242636	10242814	10242823
GRAY	10242633	10242639	10242817	10242826

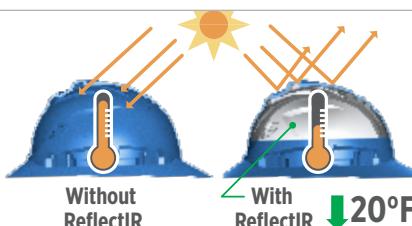
## V-Gard® C1™ Full-Brim Hard Hats

**• ReflectIR™ Thermal Barrier** (patent-pending) works to block the energy of the sun, keeping the inside of the hard hat up to 20°F (11°C) cooler<sup>1</sup>, reducing the risk of heat stress.

**• Largest vents MSA offers on a full-brim hat** (vented version) are strategically placed to optimize airflow, increase comfort and further reduce heat stress.

**• Premium moisture-wicking sweat band** pulls sweat away from the head allowing it to evaporate into the air, while breathable foam padding keeps you dry and comfortable. Can be easily removed for laundering or replacement.

**• Full brim on the V-Gard C1 Hard Hat** offers 12% more coverage<sup>2</sup>, providing additional shade while protecting you from harmful UV rays. Unique textured brim provides added grip when donning and doffing the hard hat.






non-vented

vented

V-GARD C1 FULL-BRIM HATS		
Color	Non-Vented	Vented
<b>TEXTURED BRIM</b>		
WHITE	10215837	10215828
BLUE	10215839	10215830
YELLOW	10215841	10215832
ORANGE	10215843	10215834
RED	10215838	10215829
GREEN	10215840	10215831
GRAY	10215845	10215836
HI-VIZ® ORANGE <sup>3</sup>	10215842	10215833
HI-VIZ® YELLOW GREEN <sup>3</sup>	10237724	10236066
CUSTOM COLOR	Custom color options available.	

SPECIFICATIONS	Non-Vented	Vented
<b>STANDARDS COMPLIANCE</b>	ANSI/ISEA Z89.1-2014 (R2019)	CSA Z94.1-15
<b>OPTIONAL REQUIREMENTS (ANSI)</b>	LT (Low Temp) Reverse Donning	HT High Temp HV (Hi-Viz, as indicated)
<b>ANSI Z89.1 &amp; CSA Z94.1 CLASSIFICATION</b>	Type 1, Class E	Type 1, Class C
<b>3RD PARTY CERTIFICATIONS</b>	SEI	
<b>STYLE</b>	Non-Vented	Vented
<b>PRODUCT SIZE</b>	Standard head size 6 1/2-8 (52-64 cm head circumference)	
<b>OTHER PPE</b>	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	

**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



<sup>1</sup>Compared to a hard hat without the ReflectIR Thermal Barrier in sunny conditions; testing done with black, non-vented, V-Gard C1 Hard Hats.

<sup>2</sup>Compared to a full-brim V-Gard or V-Gard 500 Hard Hat.

<sup>3</sup>V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.



## Helmet Customization For 30+ Years



### Practice makes perfect logos

- MSA uses inks and processes that create durable logos.
- We have never had a complaint about a logo “scratching off” in the 30+ years we have been in the logo business!**
- It can be tricky to avoid logo distortion due to the curvature of the hard hat. That's why MSA Logo Express® Service employs graphic designers who process logos onto hard hats. These skilled artisans ensure each logo is placed properly so it not only endures, but also accurately represents your brand and logo in color, size and shape—despite the curve of the hard hat.
- MSA offers multiple printing services from simple one-color logo to digital photos, in up to four locations
- We don't require “color-separated” artwork for 1+ color logos; nor do we require customers to identify the PMS colors in their logos. Our graphic artists can manage that, if you do not have these details.
- Re-ordering is easy because we keep your logo on file until you change it<sup>1</sup>.



### Our Process

Once your order has been received by the MSA Logo Express Service Design center we get to work. Files are imported from your on-line hard hat configuration, assessed for usability and colors separated (if the PMS colors have not been identified) and layout finalized.



### Delivery

Once the layout process is complete, our factory craftsman get to work on your order. Your order for a new hard hat logo should ship within eight (8) days from our Murrysville, PA plant from the date we receive your approval on the artwork<sup>2</sup>.



### Minimum Order Quantities (MOQ)

MSA requires MOQs, by hard hat type, for logoing and striping. Qualifying MOQs of custom-imprinted or striped hard hats must be of the same size, model and options (i.e., color and suspension). MOQs are:

- 20 for V-Gard, SmoothDome®, Topgard, Comfo Cap Hard Hats, and Nexus Climbing Helmets
- 16 for Skullgard or Thermalgard® Hard Hats
- 12 for Super-V and Vanguard Hard Hats
- 40 for Bump Caps



### Pricing

Please refer to your local distributor for pricing details on standard and non-standard charges that may apply to your order.



### Striping

Add any of 27+ different reflective and retro-reflective stripes to your hard hat. MSA reflective stripes help enhance the visibility of workers in daytime conditions, while retro-reflective stripes<sup>3</sup> offer additional enhancement in nighttime or low-light conditions. Stripes are available in various sizes and shapes, and can be placed on all types of MSA hard hats.

Keep in mind too, that while you can order more stripes for self-application, MSA does not recommend doing this. The reason for this is MSA pre-treats all hard hats prior to striping with an electrical discharge treatment to enhance the ability of the stripes adhesive bonds.



### Stock Logos and Slogans

With 23 “pre-built” stock logos and slogans, MSA offers more “off-the-shelf” hard hat graphics than anyone in the industry. Standard logos make it easy for you to place emphasis on safety, patriotism or personnel identification without having to develop your own artwork. They can be used alone or with your customized logo and striping.



### Hard Hat Color Choices

MSA offers more stocked color options than competitors—in our popular V-Gard hard hat, we offer 21 stocked colors. There are non-stocked color options available for all MSA hard hats; a qualifying MOQ of 100 hard hats is required.

**You can create a shell color of your choice. You need only order a qualifying MOQ of 500 hard hats or more.**

<sup>1</sup> Files are purged from MSA's system if no logoed hard hat order is received within three (3) years of the first order.

<sup>2</sup> Orders for repeat logos ship within seven (7) days. This includes 2-3 days for order processing, and 5 days for production.

## Placing Customized Hard Hat Orders

Steps to complete your online logo configuration order:

Summary of how to submit artwork to MSA Logo Express Service	
<i>Please review the document for process details.</i>	
<b>METHOD FOR SUBMITTING ARTWORK</b>	Electronic file emailed to your MSA distributor
<b>PROGRAMS FOR SUBMITTING ARTWORK</b>	Corel Draw (version x6 or lower) Adobe Illustrator (version cs6 or lower) Adobe Photoshop (version cs6 or lower)
<b>ARTWORK FILES</b>	<b>VECTOR FILES:</b> .cdr (Corel Draw) .ai (Adobe Illustrator) .eps (encapsulated postscript)

### Submitting Artwork

1. Send the artwork by email to the MSA distributor taking your order. They will send it to MSA Logo Express Service.
2. Name the Pantone Matching System (PMS) ink colors used in your artwork (if you know them). Type the actual numbers in the email, as colors sometimes don't transmit properly through email. For example, MSA's logo is green, but specifically, the color of our brand logo is PMS 355.
3. Provide all linked graphics and fonts (see "Font Submission")

*Note: Should you not have access to email please contact MSA Logo Express for alternate methods.*

### Did you know?

*If you **only** have other types of artwork, (e.g. printed copies of letterhead or business cards), please contact MSA Logo Express Service for submission instructions.*



## The "Try-It" Sample Program

The "Try It" sample program offers some of the most popular MSA head, eye, face and hearing protection products, including V-Gard Helmets, V-Gard Accessories, left/RIGHT Hearing Protection, and Sightgard® Eyewear —completely FREE of charge! Look for the  that tells you which products are included in the program.



See what a logoed V-Gard Cap, Hat or 500 Helmet looks like. Pre-designed logoed hard hat samples are available through the FREE sample Try It program. Contact your MSA sales representative for more details.



### Questions About Helmet Customization?

Contact your MSA distributor or MSA Logo Express Service.

**EMAIL:** [Logo.Express@msasafety.com](mailto:Logo.Express@msasafety.com)

**PHONE:** 1-800-MSA-LOGO  
(1-800-672-5646)

**ADDRESS:** MSA Logo Express  
3880 Meadowbrook Rd.  
Murrysville, PA 15668-1753

*Visit us on the web:*

[us.msasafety.com/logoexpress](http://us.msasafety.com/logoexpress)

**KEYWORD:** Logo



## Replacement Suspensions for MSA Hard Hats

### MSA Fas-Trac® III Ratchet Suspension

The MSA Fas-Trac III Suspension helps to reduce pressure headaches and pulled hair, and stays on your head.

- ① Sweatband fully covers headband and worker's forehead
- ② Three levels of nape strap adjustment for customized fit
- ③ Lower nape strap improves retention
- ④ Smooth ratchet rotation and secure hold

Learn how the Fas-Trac III Suspension can relieve your headaches.

Visit [www.MSAafety.com/fastrac](http://www.MSAafety.com/fastrac).



HELMET TYPE (SIZE)	Suspension Type (4-point, unless otherwise noted)			
	Fas-Trac III	1 Touch	Staz-On	Swing Ratchet <sup>1</sup>
V-GARD CAP OR HAT (STANDARD)	10148708	10061123	10087218	816645
V-GARD CAP (SMALL)	10148706	—	467386	—
V-GARD CAP (LARGE)	10148707	—	492566	—
V-GARD 500 CAP (STANDARD)	10148708	10061123	10087218	816645
V-GARD 500 HAT (STANDARD)	10148708	—	10087218	—
SMOOTHDOME CAP (STANDARD)	10148708	10061123	10087218	816645
TOPGARD CAP OR HAT (STANDARD)	10153384	10061127	—	816648
THERMALGARD CAP (STANDARD)	10153384	10061127	—	816648
SKULLGARD CAP OR HAT (STANDARD)	10153385	10061128	454231	816654
SKULLGARD CAP (LARGE)	10126693	—	468096	—
SUPER-V CAP (STANDARD)	10126683	—	—	—
VANGUARD CAP (STANDARD)	10153386	—	—	—
COMFO-CAP (STANDARD)	10153385	10061128	454231	—

<sup>1</sup>Swing ratchet size is 6 1/2 through 7 1/2

The **Fas-Trac III Suspension sweatband** accessory keeps workers cool and dry.

	Part No.	Product Specifics
	10153518	<ul style="list-style-type: none"> <li>• For use with MSA Fas-Trac® III Suspension</li> <li>• Optional, moisture-wicking and washable</li> <li>• Can be attached/replaced while suspension is assembled in helmet</li> <li>• Sold ONLY in packages of 10</li> </ul>

#### ⚠ WARNING

Use only the indicated MSA suspension in your MSA helmet. Do not mix suspension sizes and helmet sizes (i.e., putting a standard sized suspension in a large helmet or any other mismatched combination). Do not use competitor suspensions in MSA helmets. Inspect your suspension frequently. Suspensions should be replaced every 12 months, regardless of inspection results. Replace immediately (along with the helmet), if an impact has occurred. Failure to follow these instructions will reduce the energy absorbing ability of the protective helmet to receive impact, and could result in serious injury or death.



*Save money, increase revenue and reduce inventory costs with our comprehensive Above-the-Neck safety solutions:*

- "Try It" sample program offers 100+ leading MSA products, including V-Gard Hard Hats, V-Gard Accessories, left/RIGHT earmuffs, and Sightgard® eyewear—completely **FREE of charge!** Look for the that tells you which products are in the program.
- Our products are tested by engineers in our own test facilities. **They are also certified and/or tested by qualified, third-party test houses.**

## Freedom Series™ and Specialty V-Gard® Hard Hats

<b>Classification</b>	Type I	<b>Suspension</b>	Fas-Trac III
<b>Application</b>	General purpose	<b>Sizes</b>	Standard (6½ - 8)
<b>Shell Material</b>	Polyethylene with thermoformed graphics	<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
<b>Styles</b>	Slotted cap; Slotted full-brim hat (Freedom Series only)	<b>Certification</b>	Third-party by SEI

AMERICAN FREEDOM SERIES ASSEMBLIES			
			
<b>American Stars and Stripes</b> V-Gard Slotted Cap Part No. <b>10052945</b>	<b>American Stars and Stripes</b> V-Gard Slotted Hat Part No. <b>10071157</b>	<b>American Flag w/2 Eagles</b> V-Gard Slotted Cap Part No. <b>10052947</b>	<b>American Flag w/2 Eagles</b> V-Gard Slotted Hat Part No. <b>10071159</b>
			
<b>Camouflage</b> V-Gard Slotted Cap Part No. <b>10103908</b>	<b>Camouflage</b> V-Gard Slotted Hat Part No. <b>10104254</b>	<b>American Eagle</b> V-Gard Slotted Cap Part No. <b>10079479</b>	<b>Dual American Flag</b> V-Gard Slotted Cap Part No. <b>10050611</b>
CANADIAN FREEDOM SERIES ASSEMBLIES			
			
<b>White w/Red Maple Leaf</b> V-Gard Slotted Cap Part No. <b>10050613</b>	<b>White w/Red Maple Leaf</b> V-Gard Slotted Hat Part No. <b>10082234</b>	<b>Black w/Red Maple Leaf</b> V-Gard Slotted Cap Part No. <b>10082233</b>	<b>Black w/Red Maple Leaf</b> V-Gard Slotted Hat Part No. <b>10082235</b>
<b>Camouflage w/Canadian Flag on front<sup>1</sup></b> V-Gard Slotted Cap Part No. <b>10104925</b>			
SPECIALTY V-GARD ASSEMBLIES			
			
<b>Rally Cap</b> V-Gard Slotted Cap Part No. <b>10101535</b>	<b>Metallic Gold</b> V-Gard Slotted Cap Part No. <b>10101854</b>	<b>Black Fire</b> V-Gard Slotted Cap Part No. <b>10092015</b>	

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

<sup>1</sup>Not pictured

<sup>2</sup>Extreme Hi-Viz Cap meets high-visibility requirements of ANSI/ISEA 107.



## Hydro Dip V-Gard® Hard Hats

<b>Classification</b>	Type I
<b>Application</b>	General purpose
<b>Shell Material</b>	Polyethylene
<b>Styles</b>	Slotted cap; Slotted full-brim hat
<b>Suspension</b>	Fas-Trac III

<b>Sizes</b>	Standard (6½ – 8)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
<b>Certification</b>	Third-party by SEI

### The #1 Selling Hard Hat Has a New Look!

The features that have set the MSA V-Gard as a world leader in head protection remain: comfort, durability, customization, and support. The hydro dip finish provides a new twist on style, without sacrificing safety or performance. Choose from eight different standard looks, with the ability to customize to your specific design.\* All V-Gard hydro dip hard hats come with the first-in-class comfort of the Fas-Trac® III Suspension and are products of the U.S.

HYDRO DIP V-GARD ASSEMBLIES			
STANDARD CAP STYLES			
Muddy Girl V-Gard Slotted Cap Part No. <b>10204770</b>	One Nation V-Gard Slotted Cap Part No. <b>10204771</b>	Italian Leather V-Gard Slotted Cap Part No. <b>10204773</b>	Oilfield Camo V-Gard Slotted Cap Part No. <b>10204774</b>
Multi Camo V-Gard Slotted Cap Part No. <b>10204775</b>	Silver Carbon Fiber V-Gard Slotted Cap Part No. <b>10204776</b>	Sport Carbon Fiber V-Gard Slotted Cap Part No. <b>10204777</b>	Devil's Kanyon V-Gard Slotted Cap Part No. <b>10204778</b>
STANDARD FULL-BRIM HAT STYLES			
Muddy Girl V-Gard Slotted Hat Part No. <b>10204779</b>	One Nation V-Gard Slotted Hat Part No. <b>10204780</b>	Italian Leather V-Gard Slotted Hat Part No. <b>10204782</b>	Oilfield Camo V-Gard Slotted Hat Part No. <b>10204783</b>
Multi Camo V-Gard Slotted Hat Part No. <b>10204784</b>	Silver Carbon Fiber V-Gard Slotted Hat Part No. <b>10204785</b>	Sport Carbon Fiber V-Gard Slotted Hat Part No. <b>10204786</b>	Devil's Kanyon V-Gard Slotted Hat Part No. <b>10204787</b>

**CUSTOMIZATION:** Imprinting and striping available— see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

\*Restrictions apply

## V-Gard® 500 Hard Hats

**Vented V-Gard 500 Caps and Hats** provide cooling vents for improved air circulation and comfort; **Non-Vented V-Gard 500 Caps and Hats** provide dielectric head protection.

<b>Classification</b>	Type I
<b>Application</b>	General purpose
<b>Shell Material</b>	Polyethylene
<b>Styles</b>	Vented or non-vented slotted cap; Vented or non-vented hat
<b>Sizes</b>	Standard (6½ – 8)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Vented Class C; Non-Vented Class E) CSA Z94.1-2015 (Vented Class C; Non-Vented Class E)
<b>Certification</b>	Third-party by SEI



Color	w/4-Point Fas-Trac III Suspension	w/6-Point Fas-Trac III Suspension
<b>VENTED CAP</b>		
WHITE	10034018	10034027
BLUE	10034019	10034028
YELLOW	10034020	10034029
RED	10034022	10034031
GREEN	10034023	10034032
HI-VIZ ORANGE <sup>1</sup>	10034026	10034035
HI-VIZ YELLOW-GREEN <sup>1</sup>	10074819	10074820
<b>NON-VENTED CAP</b>		
WHITE	10034088	10034097

Color	w/4-Point Fas-Trac III Suspension	w/6-Point Fas-Trac III Suspension
<b>VENTED FULL-BRIM HAT</b>		
WHITE	10167911	10167950
BLUE	10167912	10167951
YELLOW	10167913	10167952
RED	10167915	10168437
GREEN	10167916	10168438
HI-VIZ ORANGE <sup>1</sup>	10167921	10168453
HI-VIZ YELLOW-GREEN <sup>1</sup>	10167931	10168461
<b>NON-VENTED FULL-BRIM HAT</b>		
WHITE	10168521	10168589

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

## Topgard® Hard Hats

<b>Classification</b>	Type I
<b>Application</b>	General purpose; elevated temperature <sup>2</sup>
<b>Shell Material</b>	Polycarbonate
<b>Styles</b>	Slotted cap; Non-slotted full-brim hat
<b>Sizes</b>	Standard (6½ – 8)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class E) CSA Z94.1-2015 (Class E)
<b>Certification</b>	Third-party by SEI



White w/lamp bracket

Color	w/ 1 Touch Suspension	w/ Fas-Trac III Suspension
<b>TOPGARD SLOTTED CAP (STANDARD SIZE)</b>		
WHITE	454728	475385
YELLOW	454721	475378
GRAY	454722	475379
BLUE	454723	475380
ORANGE	454725	475382
GREEN	454726	475383
RED	454727	475384
BRIGHT ORANGE	—	804396
WHITE W/LAMP BRACKET & CORD HOLDER	—	—

Color	w/ 1 Touch Suspension	w/ Fas-Trac III Suspension
<b>TOPGARD SLOTTED HAT (STANDARD SIZE)</b>		
WHITE	454719	475393
YELLOW	454712	475387
GRAY	454713	—
BRIGHT ORANGE	—	804397

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

<sup>1</sup>V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

<sup>2</sup>Helmets marked with the HT designation have been certified to the optional Higher Temperature test of ANSI/ISEA Z89.1. In this test, helmets are pre-conditioned in an oven at  $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$  ( $140^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ ) and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. In addition, Topgard Helmets were exposed to a radiant heat load until the surface temperature on the top of the helmet reaches  $257^{\circ}\text{F}$  and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. The source of the radiant heat load was located above the top of the helmet. This testing is performed by MSA and is not part of the helmet certification process.

**SmoothDome® Hard Hats**

<b>Classification</b>	Type I	
<b>Application</b>	General purpose; welding	
<b>Shell Material</b>	Polyethylene	
<b>Styles</b>	Vented or non-vented slotted cap	
<b>Sizes</b>	Standard (6½ – 8)	
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)	
<b>Certification</b>	Third-party by SEI	

Color	w/4-Point Fas-Trac III Suspension	w/6-Point Fas-Trac III Suspension
<b>SMOOTHDOME CAP (STANDARD SIZE)</b>		
WHITE	10074067	10084078
BLUE	10074068	10084079
YELLOW	10074069	10084080
ORANGE	10074070	10084081
RED	10074071	10084082
GREEN	10074072	10084083
GRAY	10074073	10084084
HI-VIZ ORANGE <sup>1</sup>	10074077	10084088
HI-VIZ YELLOW-GREEN <sup>1</sup>	10074084	10084095
HI-VIZ ORANGE w/yellow-green stripe <sup>1</sup>	10095987	10095988
HI-VIZ YELLOW-GREEN w/orange stripe <sup>1</sup>	10095989	10095990
HI-VIZ ORANGE w/silver stripe <sup>1</sup>	10096141	—
HI-VIZ YELLOW-GREEN w/silver stripe <sup>1</sup>	10096142	—

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10**REPLACEMENT SUSPENSIONS:** See page 11**Thermalgard® Hard Hats**

<b>Classification</b>	Type I	
<b>Application</b>	General purpose; elevated temperature <sup>2</sup>	
<b>Shell Material</b>	Glass-reinforced nylon	
<b>Styles</b>	Slotted cap	
<b>Sizes</b>	Standard (6½ – 8)	
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class G); CSA Z94.1-2015 (Class G)	
<b>Certification</b>	Third-party by SEI	

Color	w/ 1 Touch Suspension	w/ Fas-Trac III Suspension
<b>THERMAGARD CAPS (STANDARD SIZE)</b>		
YELLOW	486964	486959
WHITE	486965	486960
RED	—	486961
ORANGE	486967	486962
BLUE	486968	486963
BRIGHT ORANGE	800359	800360
GREEN	487399	814343
STEEL GRAY	—	10095325

**CUSTOMIZATION:** Imprinting and striping available—see pages 9–10**REPLACEMENT SUSPENSIONS:** See page 11<sup>1</sup>V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.<sup>2</sup>Helmets marked with the HT designation have been certified to the optional Higher Temperature test of ANSI/ISEA Z89.1. In this test, helmets are pre-conditioned in an oven at  $60^{\circ}\text{C} \pm 2^{\circ}\text{C}$  ( $140^{\circ}\text{F} \pm 3.6^{\circ}\text{F}$ ) and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. In addition, Thermalgard Helmets were exposed to a radiant heat load until the surface temperature on the top of the helmet reaches  $350^{\circ}\text{F}$  and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. The source of the radiant heat load was located above the top of the helmet. This testing is performed by MSA and is not part of the helmet certification process.

## Skullgard® Hard Hats

<b>Classification</b>	Type I
<b>Application</b>	General purpose; elevated temperature <sup>1</sup>
<b>Shell Material</b>	Phenolic
<b>Styles</b>	Non-slotted cap; full-brim hat
<b>Sizes</b>	<b>Cap:</b> Standard (6½ – 8); Small (6 – 7½); Large (7 – 8½) <b>Hat:</b> Standard (6½ – 8)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class G)
<b>Certification</b>	Third-party by SEI



Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension	w/ Swing-Ratchet Suspension
<b>SKULLGARD CAP (STANDARD SIZE)</b>			
NATURAL TAN	454617	475395	816651
WHITE	454618	475396	—
YELLOW	454619	475397	—
RED	454620	—	—
GREEN	454621	—	—
GRAY	454622	—	—
BLUE	454623	—	—
ORANGE	454626	—	—
HI-VIZ RED-ORANGE <sup>2</sup>	458702	—	—
<b>SKULLGARD HAT (STANDARD SIZE)</b>			
NATURAL TAN	454664	475407	—
WHITE	454665	475408	—
YELLOW	454666	—	—
GREEN	454668	—	—
ORANGE	454673	—	—

	w/ Staz-On Suspension	w/ Fas-Trac III Suspension	
<b>ALTERNATIVE SKULLGARD ASSEMBLIES</b>			
SKULLGARD CAP	82018	475405	Large size, natural tan
	—	10104377	Small size, natural tan
	460409	—	Standard size, with lamp bracket and cord holder, natural tan <sup>3</sup>
	—	482002	With welder's lugs, natural tan <sup>3</sup>
SKULLGARD HAT	460389	—	Standard size, with lamp bracket and cord holder, natural tan <sup>3</sup>

## Super V® Hard Hats

<b>Classification</b>	Type II (ANSI and CSA)
<b>Application</b>	Lateral protection
<b>Shell Material</b>	Polyethylene
<b>Styles</b>	Slotted cap w/foam liner
<b>Sizes</b>	Standard (6½ – 7½)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
<b>Certification</b>	Third-party by SEI



Color	w/Fas-Trac III Suspension
<b>SUPER V ASSEMBLIES</b>	
WHITE	C217091
YELLOW	C217093
RED	C217095
ORANGE	C217094
BLUE	C217092
NAVY GRAY	C217097
HI-VIZ ORANGE <sup>2</sup>	C217100

Color	w/Fas-Trac III Suspension
<b>SUPER V ASSEMBLIES</b>	
GREEN	C217096
GOLD	C217098
BLACK	C217140
SILVER	10025227

### ⚠ WARNING

Use only MSA's Fas-Trac III Suspension designed for Super-V Helmets. Use of any other suspension will reduce the energy-absorbing ability of the protective helmet, which can result in serious personal injury or death.

<b>CUSTOMIZATION:</b> Imprinting and striping available— see pages 9–10	<b>REPLACEMENT SUSPENSIONS:</b> See page 11
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<sup>1</sup>Helmets marked with the HT designation have been certified to the optional Higher Temperature test of ANSI/ISEA Z89.1. In this test, helmets are pre-conditioned in an oven at 60°C ± 2°C (140°F ± 3.6°F) and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. In addition, Skullgard Helmets were exposed to a radiant heat load until the surface temperature on the top of the helmet reaches 350°F and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. The source of the radiant heat load was located above the top of the helmet. This testing is performed by MSA and is not part of the helmet certification process.

<sup>2</sup>Hi-Viz red-orange Skullgard Cap meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

<sup>3</sup>Alternative Skullgard Assemblies that include welder's lugs or lamp bracket and cord holder are certified to Class C electrical rating.



## Comfo-Cap® Hard Hats

<b>Classification</b>	Type I
<b>Application</b>	Mining
<b>Shell Material</b>	Polycarbonate
<b>Styles</b>	Non-slotted cap w/ lamp bracket & cord holder
<b>Sizes</b>	Standard (6½ – 8)
<b>Standards</b>	ANSI/ISEA Z89.1-2014 (Class G)
<b>Certification</b>	Third-party by SEI



Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension
<b>COMFO CAP ASSEMBLIES</b>		
WHITE	91522	475336
BLUE	91586	—
YELLOW	91585	—
ORANGE	91589	—
RED	91590	—
GREEN	91584	—
BLACK	82769	—

**CUSTOMIZATION:**  
Imprinting and striping available—see pages 9–10

**REPLACEMENT SUSPENSIONS:** See page 11

## Miner's Support System

- Lightweight, sturdy miner's belt
- Offers comfort, lumbar support, versatility and durability
- Enables miner to carry cap lamp battery pack, filter self-rescuer, SCSR, tools, etc., on the job
- 1" reflective strip sewn over 2" nylon strap makes support system highly visible



<b>MINER'S SUPPORT SYSTEM</b>	<b>696757</b>	Miner's support system, SM (28–34)
	<b>696758</b>	Miner's support system, MD (34–44)
	<b>696759</b>	Miner's support system, LG (44–52)

## Bump Caps

<b>Classification</b>	Non
<b>Application</b>	Non-impact
<b>Shell Material</b>	Polyethylene
<b>Styles</b>	Non-slotted cap w/ plastic suspension
<b>Sizes</b>	Standard (6½ – 8)
<b>Standards</b>	Not applicable
<b>Certification</b>	None



Color	w/ Plastic Suspension
<b>BUMP CAP ASSEMBLIES</b>	
WHITE	10033652
BLUE	10033650
YELLOW	10033651
ORANGE	10033654
RED	10033653
GREEN	10033655

### ⚠ WARNING

Bump caps are not safety helmets and do not meet OSHA or ANSI/ISEA Z89.1 requirements. DO NOT use bump caps for impact protection, for sports or when an ANSI-compliant helmet is required.

**CUSTOMIZATION:**  
Imprinting and striping available (locations limited)

<sup>1</sup>Super V Cap meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

# V-Gard® Cap

## Technical Specifications



The MSA V-Gard Helmet, with its distinctive trademark "V" design, is a world recognized brand known for comfort, quality, and durability. MSA has sold well over 100 million V-Gard Helmets since its introduction—so many in fact, that the iconic "V" design has been a mainstay for many years on even the toughest worksites.

◀ V-Gard Cap shown with Fas-Trac® III Suspension



### Features

- Superior top impact protection
- Fas-Trac III suspension is the most comfortable on the market—preferred by 92% of users
- Designed for use with MSA accessories (100+) to ensure compliance with the helmet & accessory

### Markets

- General industry and manufacturing
- Electric/utilities
- Construction
- Oil, gas and petrochemical

### Customization

- 27+, factory applied reflective or retro-reflective stripes
- Multiple printing services: one-color logo to digital photos; up to four locations
- For additional details, visit [msasafety.com](http://msasafety.com) KEYWORD: logo

### 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 <49°C (120°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. 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.
- Please consult user instructions for additional details.

Specifications	
<b>STANDARDS COMPLIANCE</b>	ANSI/ISEA Z89.1-2014 CSA Z94.1-2005
<b>CLASSIFICATION</b>	Type I, Class E
<b>CERTIFICATION</b>	Third-party by SEI
<b>APPLICATION(S)</b>	General Purpose
<b>PRODUCT SIZES</b>	Small (6" to 7½") Standard (6½" to 8") Large (7" to 8½")
<b>SHELL MATERIAL</b>	Virgin high-density polyethylene (HDPE) with UV inhibitor
<b>AVAILABLE STYLES</b>	Slotted Cap Unvented (V-Gard 500)
<b>AVAILABLE SUSPENSIONS</b>	Fas-Trac® III Ratchet Staz-On® Pinlock Closure 1-Touch Slide Closure Swing Ratchet
<b>REQUIREMENTS FOR OPTIONAL FEATURES (Z89.1)</b>	Reverse Donning, Lower Temperature, Higher Temperature, Hi-Viz (as indicated)
<b>COLORS</b>	21 (stocked); other color options available, including custom colors
<b>OTHER PPE</b>	100+ MSA Accessories, including MSA cap-mounted hearing protectors, V-Gard Face Protection System, Winter Liners, and chinstraps
<b>PRODUCT DIMENSIONS</b>	11" x 8½" x 5½" 0.86 lbs
<b>MIN ORDER QUANTITIES (MOQ)</b>	20 (stocked colors) 100 (non-stocked colors) 500 (custom colors)
<b>SHIPPING CARTON DIMENSIONS (BOX OF 20)</b>	22½" x 18½" x 15½" 22 lbs.

### 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 [MSAsafety.com](http://MSAsafety.com).

**MSA – The Safety Company**  
1000 Cranberry Woods Drive  
Cranberry Township, PA 16066 USA  
Phone 724-776-8600  
[www.MSAsafety.com](http://www.MSAsafety.com)  
**U.S. Customer Service Center**  
Phone 1-800-MSA-2222  
Fax 1-800-967-0398

**MSA Canada**  
Phone 1-800-672-2222  
Fax 1-800-967-0398

# SHOCK, IMPACT, & PENETRATION TESTING

Industrial hard hats are subjected to many types of testing to provide the best protection possible. Learn about shock and impact testing requirements for ANSI, CSA, and EN.



## TYPE I INDUSTRIAL

### APPROVALS

ANSI Z89.1-2014 R2019  
CSA Z94.1-15

### MSA HARD HATS

V-Gard® Hard Hat  
V-Gard 500 Hard Hat  
V-Gard H1 Safety Helmet  
Topgard® Hard Hat  
Skullgard® Hard Hat  
SmoothDome® Hard Hat  
Thermalgard® Hard Hat  
Comfo-Cap® Hard Hat



## TYPE II INDUSTRIAL

### APPROVALS

ANSI Z89.1-2014 R2019  
CSA Z94.1-15

### MSA HARD HATS

Super V Hard Hat



## EN397 INDUSTRIAL

### APPROVALS

EN 397:2012

### MSA HARD HATS

V-Gard H1 NoVent Safety Helmet  
V-Gard H1 BiVent Safety Helmet



## EN12492 MOUNTAINEERING

### APPROVALS

EN 12492:2012

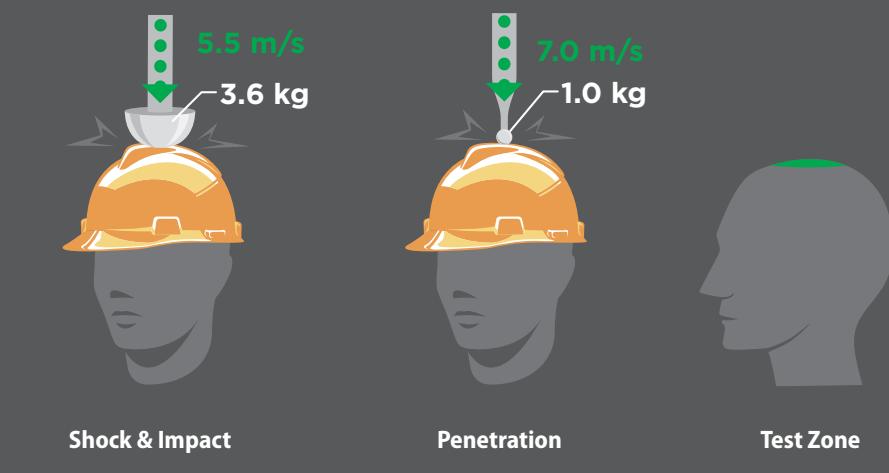
### MSA HARD HATS

V-Gard H1 TriVent Safety Helmet

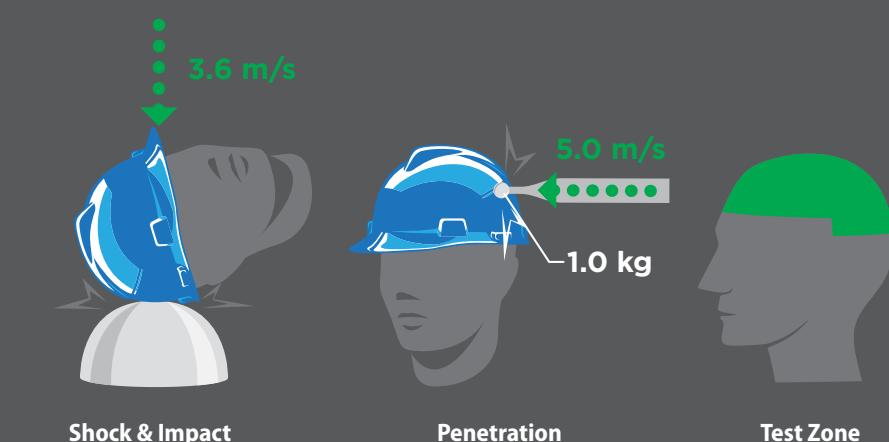
WE KNOW WHAT'S AT STAKE.

# ANSI Z89.1-2014 R2019

## TYPE I & TYPE II INDUSTRIAL



## TYPE II INDUSTRIAL



\*The lower the g value, the longer it takes your head to slow down, which means the impact will inflict less harsh force on your brain.

\*\*Most MSA helmets are tested to this optional standard. Check your approval label to confirm performance specifications.

<b>KEY:</b>	High Temp.	Higher Temp.	Water Immersion	Ambient Temp.
	Low Temp.	Lower Temp.	Solvent Wipe	UV Exposure

## SHOCK & IMPACT

### TYPE I & TYPE II INDUSTRIAL

**Test:** Force Transmission  
**Equivalent:** Hammer falling from over 21 ft. (6.4 m)  
**Impact Force:** 54.5 Joules (40.2 ft.-lb.)  
**Pass Criteria:** Transmitted force < 4450 N (1000 lb.)  
 Sample average < 3780 N (850 lb.)

### TYPE II INDUSTRIAL

**Test:** Impact Energy Attenuation  
**Equivalent:** Hammer falling from nearly 12 ft. (3.7 m)  
**Impact Force:** 30.6 Joules (22.6 ft.-lb.)  
**Pass Criteria:** Maximum acceleration  $\leq 150$  g\*

### Mandatory Pre-Test Helmet Conditioning:

49°C  $\pm 2$ °C, 2 hours      -18°C  $\pm 2$ °C, 2 hours

### Optional Pre-Test Helmet Conditioning:\*\*

60°C  $\pm 2$ °C, 4 hours      -30°C  $\pm 2$ °C, 4 hours

## PENETRATION

### TYPE I & TYPE II INDUSTRIAL

**Test:** Apex Penetration  
**Equivalent:** Hammer falling from over 10 ft. (3.0 m)  
**Impact Force:** 24.5 Joules (18.1 ft.-lb.)  
**Pass Criteria:** Penetrator shall not make contact with top of test headform.

### TYPE II INDUSTRIAL

**Test:** Off-Center Penetration  
**Equivalent:** Hammer falling from nearly 4.9 ft. (1.5 m)  
**Impact Force:** 12.5 Joules (9.2 ft.-lb.)  
**Pass Criteria:** Penetrator shall not make contact with top of test headform.

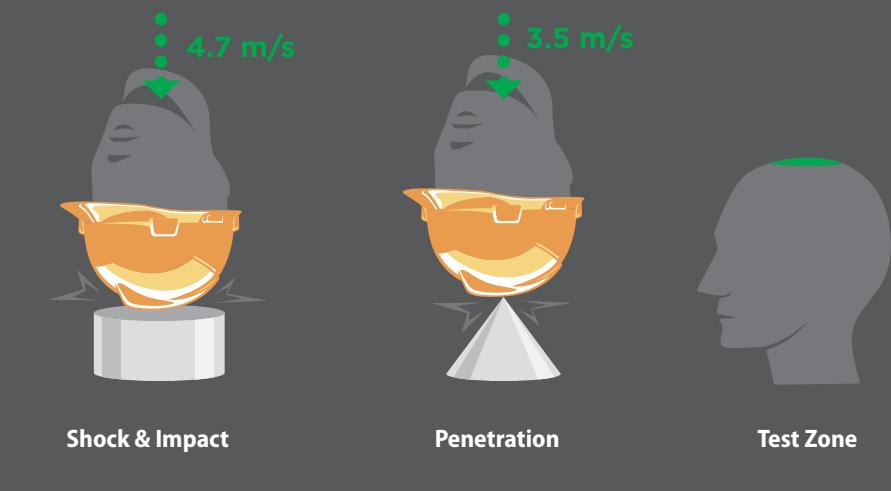
### Mandatory Pre-Test Helmet Conditioning:

49°C  $\pm 2$ °C, 2 hours      -18°C  $\pm 2$ °C, 2 hours

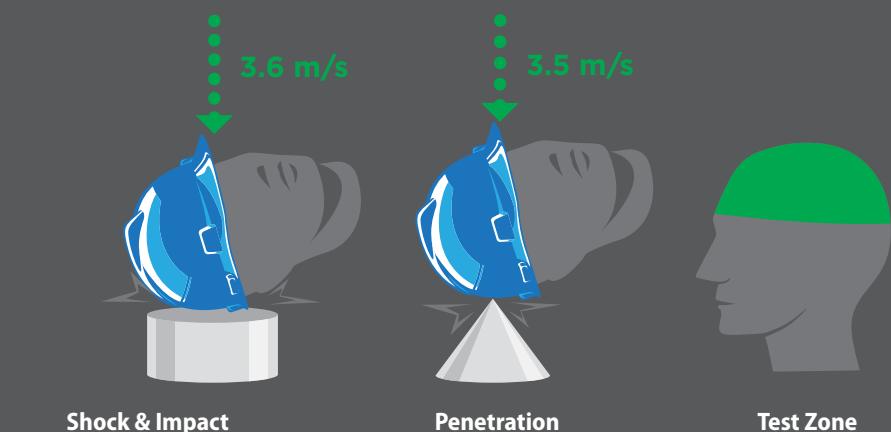
### Optional Pre-Test Helmet Conditioning:\*\*

60°C  $\pm 2$ °C, 4 hours      -30°C  $\pm 2$ °C, 4 hours

## TYPE I &amp; TYPE II INDUSTRIAL



## TYPE II INDUSTRIAL



\*The lower the g value, the longer it takes your head to slow down, which means the impact will inflict less harsh force on your brain.

KEY:

High  
Temp.  
Low  
Temp.Higher  
Temp.  
Lower  
Temp.Water  
Immersion  
Solvent  
WipeAmbient  
Temp.  
UV Exposure

## SHOCK &amp; IMPACT

## TYPE I &amp; TYPE II INDUSTRIAL

**Test:** Impact Attenuation

**Equivalent:** Hammer falling from over 21 ft. (6.4 m)

**Impact Force:** 55 Joules (40.57 ft.-lb.)

**Pass Criteria:** Maximum acceleration  $\leq 85 \text{ g}^*$

## TYPE II INDUSTRIAL

**Test:** Impact Attenuation

**Equivalent:** Hammer falling from nearly 12 ft. (3.7 m)

**Impact Force:** 30 Joules (22.13 ft.-lb.)

**Pass Criteria:** Maximum acceleration  $\leq 150 \text{ g}^*$

## Mandatory Pre-Test Helmet Conditioning:

50°C  $\pm 2^\circ\text{C}$ , 4 hours23°C  $\pm 2^\circ\text{C}$ , 4 hours-30°C  $\pm 2^\circ\text{C}$ , 4 hours

18°C-27°C, 4 hours



50% toluene  
50% isoctane  
30 seconds

## PENETRATION

## TYPE I &amp; TYPE II INDUSTRIAL

**Test:** Penetrational Resistance

**Equivalent:** Hammer falling from over 12 ft. (3.7 m)

**Impact Force:** 30 Joules (22.13 ft.-lb.)

**Pass Criteria:** Penetrator shall not make contact with top of test headform.

## TYPE II INDUSTRIAL

**Test:** Penetrational Resistance

**Equivalent:** Hammer falling from nearly 6 ft. (1.8 m)

**Impact Force:** 15 Joules (11.1 ft.-lb.)

**Pass Criteria:** Penetrator shall not make contact with top of test headform.

## Mandatory Pre-Test Helmet Conditioning:

50°C  $\pm 2^\circ\text{C}$ , 4 hours23°C  $\pm 2^\circ\text{C}$ , 4 hours-30°C  $\pm 2^\circ\text{C}$ , 4 hours

18°C-27°C, 4 hours



50% toluene  
50% isoctane  
30 seconds

# EN 397:2012

## INDUSTRIAL



Shock & Impact



Penetration



Test Zone

\* MSA V-Gard H1 NoVent and BiVent Safety Helmets are tested to this optional standard.

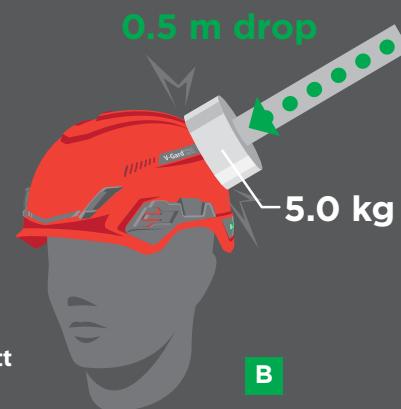
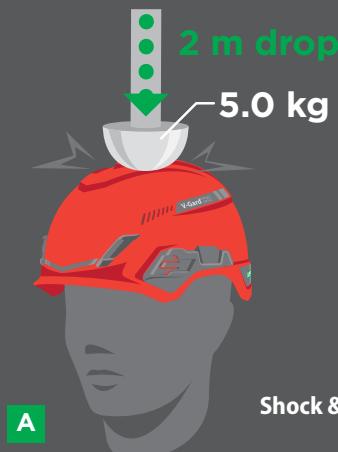
Check your approval label to confirm performance specifications.

SHOCK & IMPACT	
TYPE I INDUSTRIAL	
<b>Test:</b> Shock Absorption	
<b>Impact Force:</b> 49.0 Joules (36.1 ft.-lb.)	
<b>Pass Criteria:</b> Transmitted force $\leq$ 5000 N (1125 lb.)	
<b>Mandatory Pre-Test Helmet Conditioning:</b>	<b>Optional Pre-Test Helmet Conditioning:*</b>
50°C $\pm$ 2°C 4 hours	20°C $\pm$ 2°C 4 hours
-10°C $\pm$ 2°C 4 hours	UV aging 400 hours

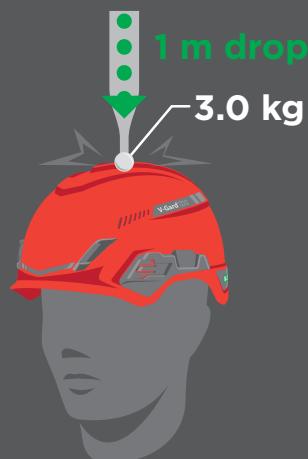
PENETRATION	
TYPE I INDUSTRIAL	
<b>Test:</b> Resistance to Penetration	
<b>Impact Force:</b> 29.4 Joules (21.7 ft.-lb.)	
<b>Pass Criteria:</b> Point of striker does not contact headform	
<b>Mandatory Pre-Test Helmet Conditioning:</b>	<b>Optional Pre-Test Helmet Conditioning:*</b>
50°C $\pm$ 2°C 4 hours	20°C $\pm$ 2°C 4 hours
-10°C $\pm$ 2°C 4 hours	UV aging 400 hours

KEY:	High Temp. Low Temp.	Higher Temp. Lower Temp.	Water Immersion Solvent Wipe	Ambient Temp. UV Exposure
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## MOUNTAINEERING



Shock &amp; Impact



Penetration



Test Zone

## SHOCK &amp; IMPACT

## INDUSTRIAL

Test: Shock Absorption

Impact Force: A: 98.1 Joules (72.35 ft.-lb.)  
B: 24.0 Joules (17.70 ft.-lb.)Pass Criteria: Transmitted force  $\leq$  10000 N (2250 lb.)

## Mandatory Pre-Test Helmet Conditioning:



## PENETRATION

## INDUSTRIAL

Test: Penetration

Impact Force: 29.4 Joules (21.7 ft.-lb.)

Pass Criteria: Point of striker does not contact headform

## Mandatory Pre-Test Helmet Conditioning:



## KEY:

High Temp.  
Low Temp.Higher Temp.  
Lower Temp.Water Immersion  
Solvent WipeAmbient Temp.  
UV Exposure

# CONSIDERATIONS & FACTORS FOR CHOOSING HEAD PROTECTION

There are numerous variables to consider when choosing proper head protection. A recent Safety and Health Information Bulletin (SHIB) published by the Occupational Safety and Health Administration (OSHA) outlines various head protection options available, including Type I and Type II, stressing that “*employers should evaluate workplace hazards to determine the most appropriate head protection for each situation.*”<sup>1</sup> The first step in selecting proper head protection is to conduct a hazard assessment, evaluating factors such as previous records of head injuries or near misses, impact and other risks including falling objects, lateral impact, electrical shock, or chemical splash, job-related tasks or applications, and environmental conditions.

## IMPORTANT FACTORS WHEN CHOOSING HEAD PROTECTION



### Hazards & Applications

- ✓ Heights
- ✓ Chemicals
- ✓ Weather
- ✓ Electricity
- ✓ Impacts
- ✓ Other

### Standards Compliance

- ✓ ANSI
- ✓ CSA
- ✓ EN 397
- ✓ EN 12492

### Type

- ✓ Type I
- ✓ Type II

### Class

- ✓ Class E
- ✓ Class G
- ✓ Class C

### Style

- ✓ Cap
- ✓ Hat
- ✓ Brimless

### Accessories

- ✓ Welding
- ✓ Face
- ✓ Eye
- ✓ Chinstrap
- ✓ Hearing

### Other Considerations

- ✓ Third-party certification
- ✓ Customization
- ✓ Heat stress
- ✓ Rotational impact
- ✓ Comfort

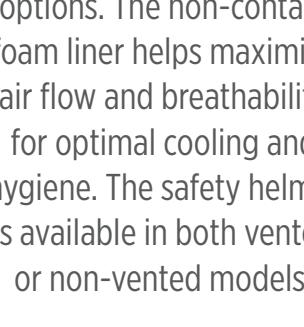
## MSA HEAD PROTECTION SOLUTIONS

MSA Safety head protection options include both Type I and Type II hard hats and safety helmets, accessories for additional protection from specific hazards, various class options, and several different safety certifications varying by head protection style.



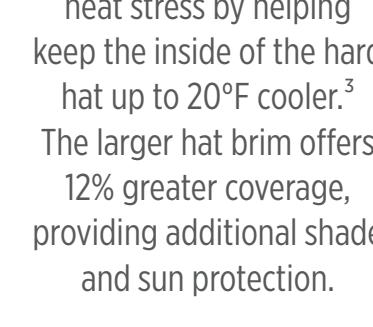
### V-Gard H2™ Safety Helmet

Offering Type II impact protection, the V-Gard H2 Safety Helmet integrates seamlessly with a comprehensive suite of V-Gard® and V-Gard H1™ accessories. The safety helmet is available with the optional Mips® brain protection system for industrial safety helmets, designed to help reduce the risk of traumatic brain injury.



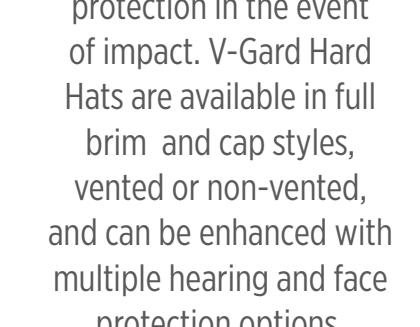
### V-Gard H1™ Safety Helmet

The V-Gard H1 Safety Helmet offers versatility with a low-profile design and multiple customization options. The non-contact foam liner helps maximize air flow and breathability for optimal cooling and hygiene. The safety helmet is available in both vented or non-vented models.



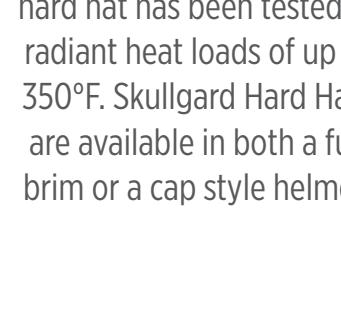
### V-Gard C1® Hard Hat

Built with the patent-pending ReflectIR® Thermal Barrier, the V-Gard C1 Hard Hat can help reduce worker heat stress by helping keep the inside of the hard hat up to 20°F cooler.<sup>3</sup> The larger hat brim offers 12% greater coverage, providing additional shade and sun protection.



### V-Gard® Hard Hat

The iconic “V” gives the hard hat a unique profile which enables it to deflect objects and provide added protection in the event of impact. V-Gard Hard Hats are available in full brim and cap styles, vented or non-vented, and can be enhanced with multiple hearing and face protection options.



### Skullgard® Hard Hat

The Skullgard Hard Hat is designed to offer protection in industries where heat protection is necessary. The hard hat has been tested to radiant heat loads of up to 350°F. Skullgard Hard Hats are available in both a full brim or a cap style helmet.

AT A GLANCE
• General industry
• Construction
• Working at heights
• Confined space
• Search & rescue
• ANSI Z89.1
• Type II
• Mips® Brain Protection System ( <i>optional</i> )
• Class E ( <i>non-vented</i> )
• Class C ( <i>vented</i> )
• Brimless
• V-Gard/V-Gard H1 Accessories
• Logo options

AT A GLANCE
• General industry
• Construction
• Confined space
• Working at heights
• Turnarounds & plant maintenance
• Search & rescue
• ANSI Z89.1
• CSA Z94.1
• EN397
• Type I
• Class E ( <i>non-vented</i> )
• Class C ( <i>vented</i> )
• Brimless
• V-Gard/V-Gard H1 Accessories
• Logo options

AT A GLANCE
• General industry
• Construction
• Working at heights
• Turnarounds & plant maintenance
• ANSI Z89.1
• CSA Z94.1
• Type I
• Class E ( <i>non-vented</i> )
• Class C ( <i>vented</i> )
• Full brim hat
• V-Gard Full Brim Hard Hat Accessories
• Helps reduce heat stress
• Logo options

AT A GLANCE
• General industry
• Construction
• Confined space
• Working at heights
• Welding
• ANSI Z89.1
• CSA Z94.1
• Type I
• Class E
• Cap style
• Full brim hat
• V-Gard Accessories
• Logo & Striping options

AT A GLANCE
• General industry
• Construction
• Working at heights
• Welding
• ANSI Z89.1
• Type I
• Class G
• Cap style
• Full brim hat
• V-Gard Visors
• High-heat protection

Visit [MSAsafety.com/headprotection](https://MSAsafety.com/headprotection) to explore more products.

Sources:

<sup>1</sup> OSHA - [https://www.osha.gov/sites/default/files/publications/safety\\_helmet\\_shib.pdf](https://www.osha.gov/sites/default/files/publications/safety_helmet_shib.pdf)

<sup>2</sup> Based on MSA sales data showing the V-Gard Thermal is the #1 selling hard hat tested with black, non-vented, V-Gard C1 Hard Hats.

<sup>3</sup> Compared to a hard hat containing a non-vented liner. The products shown while used with the product specifications as intended, detail performance characteristics and are not intended for general use. MSA is not responsible for any damage or injury resulting from the use of these products.

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060-133-MC / 07.2024

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MSA operates in over 40 countries worldwide.

To find an MSA office near you, please visit [MSAsafety.com/offices](https://MSAsafety.com/offices).

MSA V-Gard Caps are offered in 21 standard colors—more than anyone else in the industry. Additionally, customers ordering 500 or more V-Gard helmets at one time, can request a custom color to meet their business needs. And don't forget... MSA Logo Express® service offers the industry's highest quality custom logos and striping! For additional details, visit [www.msasafety.com](http://www.msasafety.com) or call MSA Customer Service at 1-800-MSA-2222.

## V-Gard Caps



## V-Gard Hats



**Classification:** Type I

**Application:** General purpose

**Shell Material:** Polyethylene

**Available Styles:** Slotted Cap; Slotted Full-Brim Hat

**Sizes:** **Cap:** Small (6 – 7 1/8"); Standard (6 1/2 – 8"); Large (7 – 8 1/2")

**Hat:** Standard (6 1/2 – 8")

**Standards:** ANSI/ISEA Z89.1-2009 (Class E); CSA Z94.1-2005 (Class E)

**Certification:** Third-party by SEI

**Customization:** Imprinting and striping available

NOTE: Small and Large V-Gard Caps are NOT CSA-certified. Standard-size V-Gard Caps and Hats are CSA-certified when assembled with MSA's Fas-Trac or 1-Touch Suspension ONLY.