

# 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).

*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.**



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## ANSI/ISEA Z89.1-2014 and CSA Z94.1-2015 (Industrial Head Protection Standards)

ANSI/ISEA Z89.1-2014 and CSA Z94.1-2015 voluntary industry standards establish industrial helmet types and classes, providing performance and testing requirements. These standards include specifications for helmets designed to offer protection from top and/or lateral impact.


Three classes included in these standards indicate helmet electrical insulation rating:

**Class E (Electrical)** – Helmets intended to reduce the danger of exposure to high-voltage electrical conductors, proof-tested at 20,000 volts.

**Class G (General)** – Helmets intended to reduce the danger of exposure to low-voltage electrical conductors, proof-tested at 2,200 volts.

**Class C (Conductive)** – Helmets do not provide protection from electrical conductors.

Industrial head protection test requirements per ANSI/ISEA Z89.1-2014 and CSA Z94.1-2015 are separated by helmet type: Type I helmets protect wearers from top impact, while Type II helmets protect wearers from top and lateral impact. Test requirements for ANSI/ISEA Z89.1-2014 and CSA Z94.1-2015 are available from the Industrial Safety Equipment Association ([www.safetyequipment.org](http://www.safetyequipment.org)) and [www.CSA.ca](http://www.CSA.ca), respectively.

In addition to three non-mandatory tests for reverse donning , lower temperature [LT] and high-visibility [HV], the ANSI/ISEA Z89.1-2014 standard also includes these provisions:

### ■ Section 5: Accessories and Replacement Components

Revised standard includes language to further support the premise that accessory/component manufacturers are responsible for proving that their products do not cause helmets to fail.

### ■ Section 6: Instructions and Markings









Clarification language was added to help customers understand that “useful service life” for helmets is not required by the Standard, although helmet manufacturers may choose to include it.

### ■ Section 7.3.3 Higher Temperatures (HT)

Revision enables additional protection in response to needs of users who may work within hot environments. Optional preconditioning at higher temperatures of 60°C ± 2°C (140°F ± 3.6°F) has been added. (In the 2009 Standard, temperature conditioning was 48.8°C ± 2°C (120°F ± 3.6°F).) If a helmet has been pre-conditioned to 60°C ± 2°C (140°F ± 3.6°F), the helmet will be marked as HT. In addition, new updates allow for flexibility and inclusion of emerging and current best manufacturing materials for higher temperature protection.

**NOTE:** the Standard does not address pre-conditioning that could be needed for temperature and radiant heat extremes. To ensure that you have the proper head protection level needed for your specific heat application, check with the manufacturer for stated usage of any helmet.

All MSA hard hats have been tested per the mandatory and non-mandatory ANSI/ISEA Z89.1-2014 and CSA Z94.1-2015 requirements, as indicated. MSA offerings include:

MSA Hard Hat	Standard(s)	Type	Class	ANSI Z89 Non-Mandatory Tests
V-Gard Cap/Hat	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class E	HT/  /LT/HV
V-Gard GREEN Cap/Hat	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class E	HT/  /LT/HV
V-Gard 500 Vented Cap/Hat	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class C	HT/  /LT/HV
V-Gard 500 Non-Vented Cap/Hat	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class E	HT/  /LT/HV
SmoothDome Cap	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class E	HT/  /LT/HV
Topgard Cap/Hat	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class E	HT/  /LT/HV
Thermalgard Cap	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type I	Class G	HT/  /LT/HV
Skullgard Cap/Hat	ANSI/ISEA Z89.1-2014	Type I	Class G	HT/  /LT/HV
Super-V Cap	ANSI/ISEA Z89.1-2014; CSA Z94.1-2015	Type II	Class E	HT/LT/HV
Comfo Cap	ANSI/ISEA Z89.1-2014	Type I	Class G	HT/LT

### Non-Mandatory ANSI/ISEA Z89.1-2014 Tests

#### Reverse Donning

To enable a helmet to be worn in reverse, or a swing ratchet suspension to be used in a helmet, that particular helmet must be marked with the “double-arrwed circle” to indicate that it meets the non-mandatory reverse donning test.

#### Lower Temperature [LT]

The traditional low temperature test for a helmet is -18°C or 0°F. Helmets that meet ANSI Z89.1 requirements for LOWER temperatures (-30°C or -22°F) can be marked with LT by the manufacturer.

#### High-Visibility [HV]

Helmets that meet non-mandatory requirements for high-visibility, including special tests for chromaticity and luminescence for added visibility, can be marked with HV by the manufacturer.

#### Higher Temperature [HT]

The traditional pre-conditioning temperature test for a helmet is 48.8°C ± 2°C (120°F ± 3.6°F). Helmets that meet ANSI Z89.1 requirements for HIGHER temperatures pre-conditioned to 60°C ± 2°C (140°F ± 3.6°F) can be marked with HT by the manufacturer. HT does not indicate pre-conditioning that could be needed to validate temperature and radiant heat extremes.



## 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
Colors .....	<b>Cap-Style:</b> <input type="checkbox"/>  <b>Full-Brim Hat:</b> <input type="checkbox"/> 
Sizes .....	<b>Cap-Style:</b> small (6 – 7 1/8"); standard (6 1/2 – 8"); large (7 – 8 1/2") <b>Full-Brim Hat:</b> standard (6 1/2 – 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 8–9)
Replacement Suspensions .....	See page 7

### Matte Finish

Classification .....	Type I
Application .....	General purpose
Shell Material .....	Polyethylene
Styles .....	<b>Slotted cap only</b>
Colors .....	<b>Cap-Style:</b> <input type="checkbox"/> 
Sizes .....	<b>Cap-Style:</b> standard (6 1/2 – 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 8–9)
Replacement Suspensions .....	See page 7



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

Did you know that MSA offers a complete line of MSA hard hat accessories?  
See pages 20–36 for more information.



## V-Gard Hard Hats

Color	Small V-Gard Slotted Cap		Standard V-Gard Slotted Cap			Large V-Gard Slotted Cap	
	w/ Staz-On® Suspension	w/ Fas-Trac® III Suspension <sup>1</sup>	w/ Staz-On Suspension	w/ 1 Touch® Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>	w/ Staz-On Suspension	w/ Fas-Trac III Suspension <sup>1</sup>
<b>COMPLETE V-GARD ASSEMBLIES — GLOSS FINISH</b>							
WHITE	466354	477477	463942	10057441	475358	473284	477482
BLUE	466355	477478	463943	10057442	475359	476928	477483
YELLOW	466356	477479	463944	10057443	475360	473285	477484
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	—	489364
HI-VIZ YELLOW-GREEN <sup>2</sup>	—	—	—	10061514	10061512	—	—
BRIGHT LIME GREEN	—	489368	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	—	—

Color	V- Gard Slotted Full-Brim Hat (Std)		
	w/ Staz-On Suspension	w/ 1 Touch Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>
<b>COMPLETE V-GARD ASSEMBLIES — 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

Color	V- Gard Slotted Cap (Std)
	w/ Fas-Trac III Suspension <sup>1</sup>
<b>COMPLETE V-GARD ASSEMBLIES — 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

<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 Hard Hat Special Assemblies

Color	Standard V-Gard Slotted Cap			V-Gard Slotted Full-Brim Hat		
	w/ Staz-On Suspension	w/ 1 Touch Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>	w/ Staz-On Suspension	w/ 1 Touch Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>
<b>SPECIAL V-GARD ASSEMBLIES</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	—	—	460069	—	815009
WHITE w/American Flag	474159	—	—	—	—	—
<b>V-GARD ASSEMBLY WITH SWING-RATCHET SUSPENSION</b>						
WHITE	10004689	Standard-size V-Gard Cap, w/Swing-Ratchet Suspension				



V-Gard w/Lamp Bracket and Cord Holder



V-Gard w/Swing-Ratchet Suspension

## 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
- Colors.....
- 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
- Customization..... Imprinting and striping available (see pages 8–9)
- Replacement Suspensions... See page 7



	V-Gard GREEN Slotted Cap	V-Gard GREEN Slotted Full-Brim Hat
WHITE	10150199	10160923
YELLOW	10150200	10160924
BLUE	10150221	10160925
GREEN	10150222	10160926
RED	10150223	10160927



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.

## 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.MSAsafety.com/fastrac](http://www.MSAsafety.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	—	—
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	—

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.

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

## 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. Should you choose to personalize your hard hat, don’t forget to complete form ID# 0617-17 and submit with your order.

### 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. Our newest stock logos honor breast cancer survivors and fighters everywhere. They were designed specifically for use on our new Hot Pink V-Gard, but work well on just about any MSA hard hat! 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 fact, in our popular V-Gard hard hat, we offer 21 stocked colors, including our newest: Hot Pink! There are non-stocked color options available for all MSA hard hats; a qualifying MOQ of 100 hard hats is required.

### Personalization

The same quality and precision that MSA logos have become famous for is now available with personalization. You can add your name, ID#, title, or anything else with this additional option.



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 on-line logo configuration order:

1. Visit: <http://webapps2.msasafety.com/logoexpress/#/intrologin>
2. Select "No" when asked are you a distributor.
3. Select "Customize Now".
4. Choose a standard.
5. Select your hard hat and click "Customize It".
6. Choose your size.
7. Choose your suspension (Fas-Trac III is recommended).
8. Choose your shell color.
9. Choose any striping you wish to include.
10. Upload your logo or chose from a stock logo.
  - Logos cannot be trademarked or of any sports team without the written consent of the logo owner.
  - For optimum quality and turnaround, please submit artwork as a vector file format.
  - Acceptable formats include: CDR, AI, and EPS. Don't have a vector file? We also accept these formats: JPG, PDF, TIFF, PNG, BMP and GIFs.

#### 11. Place your order.

*If you are the end user:*

- Save and email.
- Review terms and click "Accept".
- Complete form and send email to:
  - Distributor Name
  - Distributor Email

*If you are a Channel Partner, you can place the order once you have completed the logoing process OR you can enter in the code emailed to you by the end user to finalize the ordering process.*

**Should you choose to personalize your hard hat, please complete form ID #0617-17-MC and submit with order.**

■ Please see "MSA Logo Express® Service Artwork Guidelines" (ID 0617-06-MC) for details on artwork submission. We can deliver your custom hard hats faster if we have our preferred artwork file formats, but we will work with whatever you give us to recreate your logo.

■ Submit an electronic file of your artwork by email ([Logo.Express@MSAsafety.com](mailto:Logo.Express@MSAsafety.com)) or by US Postal Service:

#### MSA Logo Express

3880 Meadowbrook Rd.  
Murrysville, PA 15668-1753

*Be sure to include a copy of the completed Order Form with your artwork submission.*



#### 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**

## 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.*

# Above-the-Neck Protection Solutions



## Officially Licensed NFL V-Gard Hard Hats

**Classification** .....Type I  
**Application** .....General purpose  
**Shell Material** .....Polyethylene  
**Styles** .....Slotted cap/hat  
**Suspension** .....Fas-Trac III  
**Sizes** .....Standard (6½ – 8")  
**Standards** .....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)  
**Certification** .....Third-party by SEI

### V-Gard NFL Cap-Style Hard Hats

Arizona Cardinals Part No. 818384	Atlanta Falcons Part No. 818385	Baltimore Ravens Part No. 818386	Buffalo Bills Part No. 818387	Carolina Panthers Part No. 818388
Chicago Bears Part No. 818389	Cincinnati Bengals Part No. 818390	Cleveland Browns Part No. 818391	Dallas Cowboys Part No. 818392	Denver Broncos Part No. 818393
Detroit Lions Part No. 818394	Green Bay Packers Part No. 818395	Houston Texans Part No. 10031348	Indianapolis Colts Part No. 818396	Jacksonville Jaguars Part No. 818397
Kansas City Chiefs Part No. 818398	Las Vegas Raiders Part No. 818405	Los Angeles Chargers Part No. 818408	Los Angeles Rams Part No. 818411	Miami Dolphins Part No. 818399
Minnesota Vikings Part No. 818400	New England Patriots Part No. 818401	New Orleans Saints Part No. 818402	New York Giants Part No. 818403	New York Jets Part No. 818404
Philadelphia Eagles Part No. 818406	Pittsburgh Steelers Part No. 818407	San Francisco 49ers Part No. 818409	Seattle Seahawks Part No. 818410	Tampa Bay Buccaneers Part No. 818412
Tennessee Titans Part No. 818413				



## Officially Licensed NFL V-Gard Hard Hats

Classification.....Type I  
 Application.....General purpose  
 Shell Material.....Polyethylene  
 Styles.....Slotted cap/hat  
 Suspension.....Fas-Trac III  
 Sizes.....Standard (6½ – 8")  
 Standards.....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)  
 Certification.....Third-party by SEI

### V-Gard NFL Full-Brim Hard Hats

				
Arizona Cardinals Part No. 10194742	Atlanta Falcons Part No. 10194743	Baltimore Ravens Part No. 10194744	Buffalo Bills Part No. 10194745	Carolina Panthers Part No. 10194746
				
Chicago Bears Part No. 10194747	Cincinnati Bengals Part No. 10194748	Cleveland Browns Part No. 10194749	Dallas Cowboys Part No. 10194750	Denver Broncos Part No. 10194751
				
Detroit Lions Part No. 10194752	Green Bay Packers Part No. 10194753	Houston Texans Part No. 10194754	Indianapolis Colts Part No. 10194755	Jacksonville Jaguars Part No. 10194769
				
Kansas City Chiefs Part No. 10194770	Las Vegas Raiders Part No. 10194777	Los Angeles Chargers Part No. 10194780	Los Angeles Rams Part No. 10194811	Miami Dolphins Part No. 10194771
				
Minnesota Vikings Part No. 10194772	New England Patriots Part No. 10194773	New Orleans Saints Part No. 10194774	New York Giants Part No. 10194775	New York Jets Part No. 10194776
				
Philadelphia Eagles Part No. 10194778	Pittsburgh Steelers Part No. 10194779	San Francisco 49ers Part No. 10194781	Seattle Seahawks Part No. 10194782	Tampa Bay Buccaneers Part No. 10194812
				
Tennessee Titans Part No. 10194813				

# Above-the-Neck Protection Solutions

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

<b>Classification</b> .....Type I	<b>Standards</b> .....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
<b>Application</b> .....General purpose	<b>Certification</b> .....Third-party by SEI
<b>Shell Material</b> .....Polyethylene with thermoformed graphics	<b>Customization</b> .....Imprinting and striping available (see pages 8–9)
<b>Styles</b> .....Slotted cap; Slotted full-brim hat (Freedom Series only)	<b>Replacement Suspensions</b> .....See page 7
<b>Suspension</b> .....Fas-Trac III	
<b>Sizes</b> .....Standard (6½ – 8")	

American Freedom Series Assemblies			
			
American Stars and Stripes V-Gard Slotted Cap Part No. 10052945	American Stars and Stripes V-Gard Slotted Hat Part No. 10071157	American Flag w/2 Eagles V-Gard Slotted Cap Part No. 10052947	American Flag w/2 Eagles V-Gard Slotted Hat Part No. 10071159
			
Camouflage V-Gard Slotted Cap Part No. 10103908	Camouflage V-Gard Slotted Hat Part No. 10104254	American Eagle V-Gard Slotted Cap Part No. 10079479	Dual American Flag V-Gard Slotted Cap Part No. 10050611
Canadian Freedom Series Assemblies			
			
White w/Red Maple Leaf V-Gard Slotted Cap Part No. 10050613	White w/Red Maple Leaf V-Gard Slotted Hat Part No. 10082234	Black w/Red Maple Leaf V-Gard Slotted Cap Part No. 10082233	Black w/Red Maple Leaf V-Gard Slotted Hat Part No. 10082235
Camouflage w/Canadian Flag on front <sup>1</sup> V-Gard Slotted Cap Part No. 10104925			
Specialty V-Gard Assemblies			
			
Rally Cap V-Gard Slotted Cap Part No. 10103908	Metallic Gold V-Gard Slotted Cap Part No. 10103908	Black Fire V-Gard Slotted Cap Part No. 10103908	Extreme Hi-Viz Cap <sup>2</sup> V-Gard Slotted Cap Part No. 10103908

<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>Standards</b> .....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
<b>Application</b> .....General purpose	<b>Certification</b> .....Third-party by SEI
<b>Shell Material</b> .....Polyethylene	<b>Customization</b> .....Imprinting and striping available (see pages 8-9)
<b>Styles</b> .....Slotted cap; Slotted full-brim hat	<b>Replacement Suspensions</b> .....See page 7
<b>Suspension</b> .....Fas-Trac III	
<b>Sizes</b> .....Standard (6½ – 8")	



### 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. 10204770	One Nation V-Gard Slotted Cap Part No. 10204771	Italian Leather V-Gard Slotted Cap Part No. 10204773	Oilfield Camo V-Gard Slotted Cap Part No. 10204774
Multi Camo V-Gard Slotted Cap Part No. 10204775	Silver Carbon Fiber V-Gard Slotted Cap Part No. 10204776	Sport Carbon Fiber V-Gard Slotted Cap Part No. 10204777	Devil's Canyon V-Gard Slotted Cap Part No. 10204778
Standard Full-Brim Hat Styles			
Muddy Girl V-Gard Slotted Hat Part No. 10204779	One Nation V-Gard Slotted Hat Part No. 10204780	Italian Leather V-Gard Slotted Hat Part No. 10204782	Oilfield Camo V-Gard Slotted Hat Part No. 10204783
Multi Camo V-Gard Slotted Hat Part No. 10204784	Silver Carbon Fiber V-Gard Slotted Hat Part No. 10204785	Sport Carbon Fiber V-Gard Slotted Hat Part No. 10204786	Devil's Canyon V-Gard Slotted Hat Part No. 10204787

\*Restrictions apply

# Above-the-Neck Protection Solutions

## V-Gard 500 Hard Hats



V-Gard 500 Cap  
with Fas-Trac III Suspension

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.

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

DESCRIPTION	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
<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

## Topgard® Hard Hats



White w/lamp bracket

Topgard Cap  
with Fas-Trac III Suspension

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

DESCRIPTION	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 AND CORD HOLDER	448914	—
<b>TOPGARD NON-SLOTTED HAT (STANDARD SIZE)</b>		
WHITE	454719	475393
YELLOW	454712	475387
GRAY	454713	—
BRIGHT ORANGE	—	804397

**Customization:** Imprinting and striping available—see pages 8–9 **Replacement Suspensions:** See page 7

<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.

## SmoothDome® Hard Hats



SmoothDome Cap  
with Fas-Trac III Suspension

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

DESCRIPTION	w/4-Point Fas-Trac III Suspension	w/6-Point Fas-Trac III Suspension
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	—



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.

## Thermalgard® Hard Hats



Thermalgard Cap  
with Fas-Trac III Suspension

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

DESCRIPTION	w/ 1 Touch Suspension	w/ Fas-Trac III Suspension
YELLOW	486964	486959
WHITE	486965	486960
RED	—	486961
ORANGE	486967	486962
BLUE	486968	486963
BRIGHT ORANGE	800359	800360
GREEN	487399	814343
STEEL GRAY	—	10095325



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.

**Customization:** Imprinting and striping available—see pages 8–9 **Replacement Suspensions:** See page 7

<sup>1</sup>Topgard Caps and Hats have been tested to radiant heat loads producing temperatures up to, but not exceeding, 275°F.  
<sup>2</sup>Thermalgard Caps and Hats have been tested to radiant heat loads producing temperatures up to, but not exceeding, 350°F.

# Above-the-Neck Protection Solutions

## Skullgard® Hard Hats

Skullgard Cap, natural, with Fas-Trac III Suspension



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

DESCRIPTION	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



Super-V Cap, white, with Fas-Trac III Suspension

**Classification**..... Type II (ANSI and CSA)  
**Application**..... Lateral protection  
**Shell Material**..... Polyethylene  
**Styles**..... Slotted cap w/foam liner  
**Colors**.....              
**Sizes**..... Standard (6½ – 7¾”)  
**Standards**..... ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)  
**Certification**..... Third-party by SEI

DESCRIPTION	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
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.

**Customization:** Imprinting and striping available—see pages 8–9 **Replacement Suspensions:** See page 7

<sup>1</sup>Skullgard caps and hats have been tested to radiant heat loads producing temperatures up to, but not exceeding, 350°F.

<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



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

DESCRIPTION	w/Staz-On	w/Fas-Trac III
<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 8–9

**Replacement Suspensions:** See page 7

## Bump Caps



**Classification** ..... Non  
**Application** ..... Non-impact  
**Shell Material** ..... Polyethylene  
**Styles** ..... Non-slotted cap w/ plastic suspension  
**Colors** .....        
**Sizes** ..... Standard (6½ – 8")  
**Standards** ..... Not applicable  
**Certification** ..... None

DESCRIPTION	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 bumps caps for impact protection, for sports or when an ANSI-compliant helmet is required.

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

## V-Gard H1 Safety Helmets



V-Gard H1 Safety Helmet with vents



V-Gard H1 Safety Helmet without vents



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

- Classification** ..... Type I
- Markets** ..... Utilities; oil, gas and petrochemical; general industry; construction
- Application** ..... General Industry; construction; working-at-heights; confined space; rescue
- Shell Material** ..... HDPE (high-density polyethylene)
- Styles** ..... Trivent; no vent
- Colors** .....
- Sizes** ..... Standard 6½ – 8” (52–64 cm) head circumference
- Standards** ..... See chart on page 19

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DESCRIPTION	TRIVENT	NO VENT
	w/ pivoting Fas-Trac III Suspension	w/ pivoting Fas-Trac III Suspension
<b>V-GARD H1 SAFETY HELMET ASSEMBLIES</b>		
WHITE	10194783	10194791
RED	10194784	10194792
BLUE	10194785	10194793
GREEN	10194786	10194794
YELLOW	10194787	10194795
HI-VIZ YELLOW GREEN	10194788	10194796
ORANGE	10194789	10194797
BLACK	10194790	10194798
GRAY	10204346	10204347

**Customization:** Stylish dark gray reflective striping standard. Imprinting available—see pages 8–9

**Accessories:** See page 19

## V-Gard H1 Safety Helmets

### V-Gard H1 Safety Helmets: Standards

STANDARD	Aspect	TRIVENT	NO VENT
ANSI/ISEA Z89.1-2014 TYPE 1	Class C (Conductive 0 V ac)	■	
	Class E (20,000 V ac)		■
	-22° F (-30° C) (Lower Temperature)	■	■
	140°F ± 3.6°F (60°C ± 2°C) (Higher Temperature)	■	
CSA/CAN Z94.1-15 TYPE 1	Class C (Conductive 0 V ac)	■	
	Class E (20,000 V ac)		■
EN 12492:2012 MOUNTAINEERING STANDARD	—	■*	
EN 397:2012 + A1:2012	-22° F (-30° C) (Lower Temperature)		■
	440 V ac (Electrical Resistance)		■
EN 50365:2002 (1000V A.C.) FOR USE ON LOW VOLTAGE INSULATIONS	—		■



\* Pending approval.

### V-Gard H1 Safety Helmet Accessories

			
PART NO.	10194818	10194819	10194820
PRODUCT NAME	H1 Clear Face Shield	H1 Mesh/Forestry Face Shield	V-Gard H1 Half-Face Spectacles
COLOR	Clear	Mesh	Clear
PRODUCT SPECIFICS	<ul style="list-style-type: none"> <li>• Clear polycarbonate contoured visor for closer fit and improved resistance to impact and splash hazards</li> <li>• Simple push button donning and doffing on the V-Gard H1 Safety Helmet—no additional frames or adapters required</li> <li>• Dual pivot hinge maintains a low profile to the helmet when stowed for improved field of vision and wind resistance</li> <li>• Anti-fog coating and frameless design improves visibility</li> </ul>	<ul style="list-style-type: none"> <li>• Steel mesh contoured visor for closer fit and improved protection from flying chips and other light debris</li> <li>• Simple push button donning and doffing on the V-Gard H1 safety helmet—no additional frames or adapters required</li> <li>• Dual pivot hinge maintains a low profile to the helmet when stowed for improved field of vision and wind resistance</li> </ul>	<ul style="list-style-type: none"> <li>• Clear polycarbonate contoured spectacles for closer fit and improved resistance to impact and splash hazards</li> <li>• Simple push button donning and doffing on the V-Gard H1 safety helmet—no additional frames or adapters required</li> <li>• Dual pivot hinge maintains a low profile to the helmet when stowed for improved field of vision and wind resistance</li> <li>• Anti-fog coating and frameless design improves visibility</li> </ul>
APPROVALS	<ul style="list-style-type: none"> <li>• ANSI/ISEA Z87.1-2015</li> <li>• CSA Z94.3</li> <li>• EN 166</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI/ISEA Z87.1-2015</li> <li>• EN 1731</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI/ISEA Z87.1-2015</li> <li>• CSA Z94.3</li> <li>• EN 166</li> </ul>

## V-Gard Accessory System: V-Gard Frames for Cap-Style Hard Hats

### V-Gard Universal Cap Frame

		
<b>PART NO.</b>	10187161	10187162
<b>DEBRIS CONTROL</b>	With debris control	Without debris control
<b>PRODUCT SPECIFICS</b>	<p><b>Easy to Use</b></p> <ul style="list-style-type: none"> <li>• Add and remove accessories</li> <li>• Quicker visor installation and removal</li> <li>• Green color coded parts</li> </ul> <p><b>Built to Last</b></p> <ul style="list-style-type: none"> <li>• Infinity joints</li> <li>• Universal strap</li> <li>• Debris control</li> </ul> <p><b>Reducing Complexity</b></p> <ul style="list-style-type: none"> <li>• Designed to work with all MSA V-Gard cap-style hard hats</li> </ul>	<p><b>Easy to Use</b></p> <ul style="list-style-type: none"> <li>• Add and remove accessories</li> <li>• Quicker visor installation and removal</li> <li>• Green color coded parts</li> </ul> <p><b>Built to Last</b></p> <ul style="list-style-type: none"> <li>• Infinity joints</li> <li>• Universal strap</li> </ul> <p><b>Reducing Complexity</b></p> <ul style="list-style-type: none"> <li>• Designed to work with all MSA V-Gard cap-style hard hats</li> </ul>

<b>PART NO.</b>	10187163
<b>PRODUCT SPECIFICS</b>	Replacement debris wiper
<b>PART NO.</b>	10187251
<b>PRODUCT SPECIFICS</b>	Replacement rubber strap

### V-Gard Frames for General Purposes





**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining

**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

		
<b>PART NO.</b>	10115730  	10121266 
<b>MATERIAL</b>	High density polyethylene (HDPE)	High density polyethylene (HDPE)
<b>DEBRIS CONTROL</b>	Includes replaceable debris control which creates tight seal between frame and cap	Debris control sold separately
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Fits all MSA Slotted Caps</li> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>	<ul style="list-style-type: none"> <li>• Fits all MSA Slotted Caps<sup>3</sup></li> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>

### ▲ WARNING

Use V-Gard Frames ONLY with V-Gard Visors, to ensure compliance with safety standards. Misuse can result in death, permanent impairment of sight, or other serious injury.

<sup>1</sup>Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.

<sup>2</sup>Patent pending

<sup>3</sup>MSA recommends the use of debris control on V-Gard frames when wearing BOTH large V-Gard molded Visors and cap-mounted earmuffs.

<sup>4</sup>MSA does not recommend the use of the V-Gard Universal Frame with the MSA SmoothDome when using cap-mounted muffs and large V-Gard molded Visors. The V-Gard Frame for Slotted Caps should be worn with this particular combination.

## V-Gard Accessory System: V-Gard Frames for Cap-Style Hard Hats

### V-Gard Frames for Elevated Temperature Applications

**Markets:** Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels

**Applications:** Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding

**Features:** Tested to withstand temperatures of 350°F (176.7°C), reducing warping, cracking or crazing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

<b>PART NO.</b>	10115821	10121267	10116552
<b>MATERIAL</b>	Polycarbonate – all non-metal construction	Polycarbonate – all non-metal construction	Polycarbonate – all non-metal construction
<b>DEBRIS CONTROL</b>	Replaceable debris control tested against EN 166 hot solids requirements	Debris control sold separately <sup>3</sup>	Replaceable debris control tested against EN 166 hot solids requirements
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>	<ul style="list-style-type: none"> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs</li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models<sup>4</sup></li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> </ul>

## V-Gard Accessory System: V-Gard Frames for Full-Brim Hard Hats

### V-Gard Frames for General Purposes

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining

**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

<b>PART NO.</b>	10116627
<b>MATERIAL</b>	High density polyethylene (HDPE)
<b>DEBRIS CONTROL</b>	Offered without debris control ONLY
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models</li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> <li>• Fits MSA Full-Brim Safety Helmets</li> </ul>

### V-Gard Frames for Elevated Temperature Applications

**Markets:** Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels

**Applications:** Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding

**Features:** Tested to withstand temperatures of 350°F (176.7°C), reducing warping, cracking or crazing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

<b>PART NO.</b>	10116628
<b>MATERIAL</b>	Polycarbonate – all non-metal construction
<b>DEBRIS CONTROL</b>	Offered without debris control ONLY
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models</li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> <li>• Fits MSA Full-Brim Safety Helmets</li> </ul>

<sup>1</sup>Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.

<sup>2</sup>Patent pending

<sup>3</sup>MSA recommends the use of debris control on V-Gard frames when wearing BOTH large V-Gard molded Visors and cap-mounted earmuffs.

<sup>4</sup>MSA does not recommend the use of the V-Gard Universal Frame with the MSA SmoothDome when using cap-mounted muffs and large V-Gard molded Visors. The V-Gard Frame for Slotted Caps should be worn with this particular combination.

# Above-the-Neck Protection Solutions

## V-Gard Accessory System: V-Gard Frames for MSA Slotted Full-Brim Hard Hats

**Markets:** Oil, gas & petrochemical, manufacturing, repair and maintenance, construction, general industry, forestry, shipbuilding, metalworking, automotive, mining

**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015 and CSA Z94.3


**Certification/Testing:** CSA International and Intertek

**Min Order Qty:** 10

### V-Gard Frames for General Purposes

		
<b>PART NO.</b>	10154622 	10154604 
<b>MATERIAL</b>	Polybutylene terephthalate (PBT)	Polybutylene terephthalate (PBT)
<b>DEBRIS CONTROL</b>	Sold with replaceable debris control which creates tight seal between frame and hat	Debris control sold separately
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Fits MSA Slotted Full Brim Hats</li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>• Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost</li> </ul>	<ul style="list-style-type: none"> <li>• Fits MSA Slotted Full Brim Hats</li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>• Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost</li> </ul>

### Debris Control

	
<b>PART NO.</b>	10116628
<b>MATERIAL</b>	All rubber construction
<b>DEBRIS CONTROL</b>	Exceeds EN requirements for molten metal
<b>PRODUCT SPECIFICS</b>	• Debris Control for V-Gard Slotted Full Brim Hat Frames

## V-Gard Accessory System: V-Gard Metal Frames for Hard Hats







### V-Gard Frames for General Purposes and Elevated Temperature Applications

**Markets:** Manufacturing; construction; steel/smelting operations

**Applications:** Machine operation, maintenance, millwright, extrusion, drilling, blasting, casting/conveying

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3

**Certification:** Third-party by Intertek, CSA International (as marked)

			
<b>PART NO.</b>	10158799 	10158800 	10176739 
<b>MATERIAL</b>	Heavy-duty anodized aluminum	Heavy-duty anodized aluminum	Heavy-duty anodized aluminum
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• For use with <b>MSA cap-style hard hats</b></li> <li>• Spring coil for fast loading of frame to helmet</li> <li>• Three visor resting positions</li> <li>• Locking device holds visor securely in the down position</li> </ul>	<ul style="list-style-type: none"> <li>• For use with <b>MSA Skullgard Caps</b></li> <li>• Spring coil for fast loading of frame to helmet</li> <li>• Three visor resting positions</li> <li>• Locking device holds visor securely in the down position</li> </ul>	<ul style="list-style-type: none"> <li>• For use with <b>MSA full-brim hard hats</b></li> <li>• Spring coil for fast loading of frame to helmet</li> <li>• Three visor resting positions</li> <li>• Locking device holds visor securely in the down position</li> </ul>

### ⚠ WARNING

MSA does not recommend V-Gard Metal Frames for use where electrical hazards, including but not limited to arc flash, could occur.

<sup>1</sup>Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.

## V-Gard Visors: General Purpose

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining

**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3 and EN 166 (2C-1.2 MSA 1B); AS/NZS 1337 (except as noted)

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

<b>PART NO.</b>	10144486	10115836	10115837
<b>MATERIAL</b>	Polycarbonate – clear	Polycarbonate – clear	Polycarbonate – clear
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> </ul>		
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 5" (14.61 cm) x 17" (43.2 cm) x .04" (1.02 mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> <li>• Approved to ANSI and CSA<sup>2</sup> standards; does not meet EN standards</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>

<b>PART NO.</b>	10120108	10115863	10115839
<b>MATERIAL</b>	Polycarbonate – clear	Polycarbonate – clear	Polycarbonate with antifog/anti-scratch coatings for humid conditions – clear
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> </ul>		<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Slightly thicker for industrial impact applications</li> </ul>
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Bulk pack of 20</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>	<ul style="list-style-type: none"> <li>• 9.5" (24.1 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>

**WARNING:** The products listed below can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10115836	V-Gard Visor, polycarbonate, clear, SHXSTDXTLW	Bisphenol A (BPA)	Reproductive Toxicity

<sup>1</sup>Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.

# Above-the-Neck Protection Solutions

## V-Gard Visors: General Purpose





**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining





**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; CSA Z94.3 and EN 166 (2C-1.2 MSA 1B); AS/NZS 1337 (except as noted)

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 10

		
<b>PART NO.</b>	10115841 	10115842 
<b>MATERIAL</b>	Polycarbonate with antifog/anti-scratch coatings for humid conditions – clear	Polycarbonate with anti-fog/antiscrash coatings for humid conditions – green tint to reduce glare
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Slightly thicker for industrial impact applications</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)</li> <li>• Nitrometer; for use w/V-Gard Retractable or Standard Chin Protectors</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> <li>• <b>Not for use where a Shade infrared (IR) visor is required</b></li> </ul>

		
<b>PART NO.</b>	10115840 	10117783 
<b>MATERIAL</b>	Polycarbonate – clear	Polycarbonate – clear
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Slightly thicker for industrial impact applications</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)</li> <li>• Flat nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Wider design; improved resistance to impact and splash hazards</li> <li>• Does not meet CSA Z94.3</li> </ul>

## V-Gard Visors: General Purpose (Non-Impact)







**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining

**Applications:** Flying chips and other light debris

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 1731-F; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., and SAI Global Ltd.

**Min Order Qty:** 10

			
<b>PART NO.</b>	10116557 	10116558 	10158822 
<b>MATERIAL</b>	Epoxy-coated steel mesh (20 x 20) — black, plastic edged		Epoxy-coated steel mesh (20 x 20) — aluminum-bound mesh
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• General protector (Z87)</li> <li>• <b>Not for impact hazards</b></li> </ul>		
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm)</li> <li>• Not for use against splash, impact, elevated temperatures or UV hazards</li> <li>• Can be worn with earmuffs</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Not for use against splash, impact, elevated temperatures or UV hazards</li> <li>• Can be worn with earmuffs</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 16.5" (41.9 cm)</li> <li>• Not for use against splash, impact, electrical or UV hazards</li> </ul>

<sup>1</sup>Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.



## V-Gard Visors: Heavy Duty Chemical and Splash

**Markets:** General industry, heavy manufacturing, laboratories, chem/petrochemical, agriculture, pharmaceutical, oil and gas, mining

**Applications:** Chipping, splash, chemical mixing, grinding, machining, power fastening, sanding, sawing

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 166 (MSA 1B 3); CSA Z94.3 and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 5

<b>PART NO.</b>	10115855	10115856	10115851
<b>MATERIAL</b>	Propionate – clear	Propionate – clear	Propionate – clear
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Please refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for chemical performance details</li> </ul>		
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> </ul>	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 18" (45.7 cm) x .098" (2.5mm)</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length and width for greater coverage of neck and face</li> </ul>



*V-Gard propionate Visors offer both chemical resistance and impact protection, unlike most propionate visors on the market. Not only are they marked with Z87+, but the clear visors are also compliant with EN166, meaning they were tested at a velocity nearly 32% faster than ANSI/ISEA Z87.1-2010. V-Gard green tint propionate Visors also offer maximum UV protection.*

## V-Gard Visors: Elevated Temperature with High-Performance Anti-fog/Anti-scratch Coatings

**Markets:** Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, steam tunnels

**Applications:** Hot/humid conditions, chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing, outdoor work

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 166 (2C-1.2 MSA IBT9KN); CSA Z94.3 and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 5

<b>PART NO.</b>	10115853	10115854
<b>MATERIAL</b>	Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) – clear	Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) – green tint to reduce glare
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Thick for heavy-duty industrial impact applications</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 10.375" (26.4 cm) x 17" (43.2 cm) x .098" (2.5 mm)</li> <li>• Molded visor for superior optics under heavy duty use</li> <li>• Extended length for greater coverage of neck/face</li> <li>• Performs well against many chemicals. Refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for details</li> </ul>	<ul style="list-style-type: none"> <li>• 10.375" (26.4 cm) x 17" (43.2 cm) x .098" (2.5 mm)</li> <li>• Molded visor for superior optics under heavy duty use</li> <li>• Extended length for greater coverage of neck/face</li> <li>• <b>Not for use where a Shade IR visor is required</b></li> </ul>



*V-Gard molded, green and clear visors (whether propionate or polycarbonate) offer superior optical quality and resistance to many chemicals. For details on optics, please refer to the MSA White Paper, "Optical Quality Requirements and V-Gard® Visors" (ID 0302-32 MC) available for download from MSA's Asset Library.*

<sup>1</sup>Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.

## V-Gard Visors: Elevated Temperature







**Markets:** Food manufacturing/canneries, steel mills, construction, open pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, steam tunnels

**Applications:** Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 166 (2C-1.2 MSA IBT89KN); CSA Z94.3 and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 5

		
<b>PART NO.</b>	10115844  	10115845  
<b>MATERIAL</b>	Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively)	Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) – green tint to reduce glare and eye strain
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Slightly thicker for industrial impact applications</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Molded visor for superior optics under heavy duty use</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing</li> <li>• Conditioned to a high of 131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> </ul>	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Molded visor for superior optics under heavy duty use</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing</li> <li>• Conditioned to a high of 131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> <li>• <b>Not for use where a Shade IR visor is required</b></li> </ul>

## V-Gard Visors: Radiant Heat/Elevated Temperature




**Markets:** Metal industries, glass manufacturing, iron and steel foundries, chemical manufacturing, construction, general manufacturing, textile manufacturing, mining, oil and gas

**Applications:** Grinding, pouring, casting, blowing/melting, rolling, sawing, cutting, crimping, millwrighting, machining/operating, pipelining, pulping

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 166 (2C-2.5 MSA 1BT3R [clear] and 2-4 MSA 1BT3R [green tint]); CSA Z94.3 and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 5

		
<b>PART NO.</b>	10177690 	10177701
<b>MATERIAL</b>	Polycarbonate with EN 166 performance-rated reflective coating (R mark) — clear; molded	Polycarbonate with EN 166 performance-rated reflective coating (R mark) – green tint to reduce glare and eye strain; molded
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Maximum UV protection</li> <li>• Impact-rated (Z87+)</li> <li>• Reflects &gt;60% Infrared (IR) radiation (EN166 R mark) in the 780nm to 2000nm wavelength</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 9.5" (24.1 cm) x 17.75" (45.09 cm) x .07" (1.8 mm)</li> <li>• Reflective coating reflects IR and helps dissipate heat</li> <li>• Thick visor helps prevent warping, cracking or crazing</li> <li>• Extended length for greater coverage of face and neck;</li> <li>• <b>DO NOT use for welding</b></li> </ul>	<ul style="list-style-type: none"> <li>• 9.5" (24.1 cm) x 17.75" (45.09 cm) x .07" (1.8 mm)</li> <li>• Reflective coating reflects IR and helps dissipate heat</li> <li>• <b>Not for use where a Shade IR visor is required</b></li> <li>• Thick visor helps prevent warping, cracking or crazing</li> <li>• Extended length for greater coverage of face and neck;</li> <li>• <b>DO NOT use for welding</b></li> </ul>



*Reflective-coated visors offer protection from irradiance, or the electromagnetic radiation (EMR) energy created in elevated temperature environments. V-Gard Reflective Coated Visors offer an EN166 "R" mark. This means they have been certified to reflect >60% Infrared (IR) radiation in the 780 nm to 2000 nm wavelengths. V-Gard Reflective Visors have been shown to reduce temperatures behind the visor by several hundred degrees, and lower irradiance to below 0.1 kW/m<sup>2</sup>. For details on V-Gard Reflective-Coated Visor performance, please see the MSA White Paper, "Radiant Heat Resistance" (ID 0670-020 MC) and "MSA V-Gard® Reflective-Coated Visors: Radiant Heat Resistance Simplified" (ID 0670-023 MC), available on [MSAsafety.com](http://MSAsafety.com).*

<sup>1</sup>Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.

## V-Gard Visors: Welding (Shade 3 and Shade 5)

**Markets:** Fabrication, steel mills, shipbuilding, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing

**Applications:** Welding, gas soldering, light cutting/brazing, manufacturing, impact and debris

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; EN 166 (4-3/3 MSA 1BT39 [shade 3] and 4-5/5 MSA 1BT39 [shade 5]); CSA Z94.3 and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

**Min Order Qty:** 5

<b>PART NO.</b>	10115859	10115860	10115861	10115862
<b>MATERIAL</b>	Polycarbonate – Shade 3 IR	Polycarbonate – Shade 3 IR	Polycarbonate – Shade 5 IR	Polycarbonate – Shade 5 IR
<b>FEATURES</b>	• Impact-rated (Z87+)			
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm)</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm)</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm)</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm)</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> </ul>

## V-Gard Visors: Arc Flash Application<sup>2</sup>

**Markets:** Manufacturing, utilities, construction, oil/gas/petrochemical

**Applications:** Maintenance, impact and debris, testing/repair

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015; ASTM F2178-2008 (Ref: NFPA 70E, HRC 2)

**Certification:** Third-party by Intertek and ArcWear

**Min Order Qty:** 5

<b>PART NO.</b>	10115847	10118480
<b>MATERIAL</b>	Polycarbonate — special tint, light green visor; molded	Polycarbonate — special tint, light green visor; molded (for use with designated V-Gard Chin Protector)
<b>FEATURES</b>	• Impact-rated (Z87+)	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 18" (45.7 cm) x .065" (1.7 cm)</li> <li>• Extended length and width for greater coverage of face and neck</li> <li>• <b>Rated to 12.9 cal/cm<sup>2</sup></b> when tested to ASTM F2178-2008 (ref. NFPA 70E-2015 PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266)</li> </ul> <p><i>Call MSA Customer Service (800-MSA-2222) for protection levels when using this V-Gard Arc Visor with other V-Gard Frames and MSA Helmet combinations</i></p>	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17.25" (43.8 cm) x .065" (1.7 cm)</li> <li>• Extended length and width for greater coverage of face and neck</li> <li>• <b>Rated to 12.9 cal/cm<sup>2</sup></b> when tested to ASTM F2178-2008 (ref. NFPA 70E-2015 PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266) and V-Gard Standard Chin Protector (PN/10115827)</li> </ul> <p><i>Call MSA Customer Service (800-MSA-2222) for protection levels when using this V-Gard Arc Visor with other V-Gard Frames and MSA Helmet combinations</i></p>

<sup>1</sup>Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.

<sup>2</sup>Do not use V-Gard Arc Visors with V-Gard Headgear. These visors are designated for use with specified V-Gard Frames and MSA helmets ONLY. See "V-Gard Headgear" for additional details.

# Above-the-Neck Protection Solutions

## V-Gard Headgear

V-Gard Headgear can be used for face protection when head protection is not required. V-Gard Headgear is available in two versions: General Purpose and Elevated Temperature (Extended). V-Gard Headgear are designed and approved for use with V-Gard Visors.<sup>1</sup>

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining, chemical industries

**Applications:** Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing, laboratory

**Size:** Standard (6-1/2 – 8)

**Standards<sup>3</sup>:** ANSI/ISEA Z87.1-2015; EN 166; CSA Z94.3; and AS/NZS 1337

**Certification:** Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

<b>PRODUCT NAME</b>	V-Gard Headgear (General Purpose)	V-Gard Headgear (Elevated Temperature)
<b>PART NO.</b>	10127061	10127062
<b>MATERIAL</b>	High Density Polyethylene (HDE) – black	Heat-resistant nylon – gray
<b>FEATURES</b>	• Ratchet closure	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose!</li> <li>• Seven-point crown adjustment</li> <li>• Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool</li> <li>• Sweat-wicking ratchet cover keeps nape comfortable</li> <li>• For use ONLY with V-Gard Visors; <b>not for use where head protection is required</b></li> <li>• All non-metal construction</li> <li>• Minimum order quantity: 10</li> </ul>	<ul style="list-style-type: none"> <li>• Extended browguard for additional coverage in high temperatures</li> <li>• Tested to withstand temperatures up to 400°F<sup>3</sup></li> <li>• Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose!</li> <li>• Seven-point crown adjustment</li> <li>• Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool</li> <li>• Sweat-wicking ratchet cover keeps nape comfortable</li> <li>• For use ONLY with V-Gard Visors; <b>not for use where head protection is required</b></li> <li>• All non-metal construction</li> <li>• Minimum order quantity: 5</li> </ul>

<b>PRODUCT NAME</b>	V-Gard Headgear Kit (General Purpose)	V-Gard Headgear Replacement Sweatband <sup>4</sup>
<b>PART NO.</b>	10127063	10127065
<b>PRODUCT SPECIFICS</b>	<p><b>Contains:</b></p> <ul style="list-style-type: none"> <li>• V-Gard General Purpose Headgear (PN 10127061)</li> <li>• V-Gard Clear, PC Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836)</li> </ul>	<ul style="list-style-type: none"> <li>• Sweat-wicking material over breathable foam helps keep workers cool, dry and comfortable</li> <li>• Hook &amp; loop closure makes replacement easy</li> <li>• Tested to the FR requirements in CSA Z94.3-07</li> <li>• Sold in boxes of 25 (5 packages of 5)</li> </ul>

**WARNING:** The products listed below can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10115836	V-Gard Visor, polycarbonate, clear, SHXSTDXLTW	Bisphenol A (BPA)	Reproductive Toxicity

<sup>1</sup> Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.







<sup>2</sup> **DO NOT** use V-Gard Headgear with V-Gard Arc Visors tested to ASTM F2178-2008 Test Method (ref. NFPA 70E-2012, Hazard Risk Category). These visors are designated for use with specified V-Gard Frames and MSA helmet ONLY as face protection for workers exposed to high voltage electric arcs. V-Gard Headgear has not been tested or certified to the Test Method, and should not be used for this type of Arc Flash protection.

<sup>3</sup> Exposure to extreme heat can cause thermal discomfort. Proper precautions should be taken to prevent heat stress and other injuries.

<sup>4</sup> Use only genuine MSA V-Gard Headgear replacement parts to help ensure compatibility and compliance. MSA does not warrant, guarantee or promote the use of components manufactured by other companies when used in conjunction with MSA products.

## V-Gard Chin Protectors<sup>1</sup>

Work with select V-Gard Nitrometer Visors to provide extra protection from impact and splash hazards to face and neck.

			
<b>NAME</b>	Retractable Chin Protector	Chin Protector	Standard Chin Protector
<b>PART NO.</b>	10115828 	10149029 	10115827 
<b>MATERIAL</b>	Polycarbonate – opaque (ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors)	Polycarbonate – clear (for improved visibility)	Polycarbonate – opaque (ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors)
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 3.82" (9.7 cm) in height, when unretracted</li> <li>• Unique retractable plates allow greater flexibility of head movement both up and down, as well as side-to-side</li> <li>• Minimum order quantity: 5</li> </ul>	<ul style="list-style-type: none"> <li>• 2.86" (7.26 cm) in height</li> <li>• Compact, lightweight design provides additional protection between chin and neck area</li> <li>• Should not be worn with tinted, arc or shaded nitrometer visors to ensure compliance with stated Standards markings/requirements</li> <li>• Minimum order quantity: 5</li> </ul>	<ul style="list-style-type: none"> <li>• 2.86" (7.26 cm) in height</li> <li>• Compact, lightweight design provides additional protection between chin and neck area</li> <li>• Minimum order quantity: 5</li> </ul>

## V-Gard Frameless Barrier

			
<b>PART NO.</b>	10215336 for V-Gard <b>Cap</b> , 25/pkg.	10215337 for V-Gard <b>Hat</b> , 25/pkg.	
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• A frame-less and lightweight solution that allows the user to quickly affix to any cap style MSA V-Gard, V-Gard Green, or SmoothDome Hard Hat.</li> <li>• Helps protect the eyes, nose, and mouth against droplets and splash.</li> </ul>	<ul style="list-style-type: none"> <li>• Durable surface allows the unit to be cleaned/ decontaminated after each use and put back into service. The average replacement cycle is 30 days.<sup>3</sup></li> <li>• Clear lens allows the user to maintain visibility of their work and surroundings</li> </ul>	

 **WARNING: The products listed below can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10215336	V-Gard Frameless Barrier, V-Gard Cap (pkg of 25)	Bisphenol A (BPA)	Reproductive Toxicity
10215337	V-Gard Frameless Barrier, V-Gard Hat (pkg of 25)	Bisphenol A (BPA)	Reproductive Toxicity

<sup>1</sup> MSA V-Gard Chin Protectors meet the applicable safety requirements as noted on the V-Gard Nitrometer Visor when worn in conjunction with V-Gard Frames and V-Gard Nitrometer Visors.

<sup>2</sup> Use only genuine MSA V-Gard Accessory System replacement parts to help ensure compatibility and compliance. MSA does not warrant, guarantee, or promote the use of components manufactured by other companies when used in conjunction with MSA products.

<sup>3</sup> Follow all instructions and perform daily, pre-, and post-use inspections.

## V-Gard Accessory System Kits

				
<b>KIT</b>	V-Gard Accessory System Kit with V-Gard Cap	V-Gard Accessory System Kit (without V-Gard Cap)	V-Gard Forestry Kit	V-Gard Accessory Arc Kit
<b>PART NO.</b>	10118695	10118697	10118694	10118696 <sup>2</sup>
<b>KIT CONTENTS</b>	<ul style="list-style-type: none"> <li>• White V-Gard Cap with ratchet suspension (PN 475358)</li> <li>• V-Gard Frame for Slotted Caps; with debris control (PN 10115730)</li> <li>• V-Gard Clear, Polycarbonate Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836)</li> </ul>	<ul style="list-style-type: none"> <li>• V-Gard Universal Frame for Caps with debris control (PN 10115822)</li> <li>• V-Gard Clear, Polycarbonate Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836)</li> </ul> <p><b>Does not contain an MSA safety helmet.</b></p>	<ul style="list-style-type: none"> <li>• Hi-viz orange V-Gard Cap with ratchet suspension (PN 488146)</li> <li>• V-Gard Frame for Slotted Caps; with debris control (PN 10115730)</li> <li>• V-Gard Mesh Nitrometer (PN 10116558)</li> <li>• V-Gard Retractable Chin Protector (PN 10115828)</li> <li>• left/RIGHT, HIGH (NRR 28 db) Cap-Mounted Earmuffs (PN 10087422)</li> </ul>	<ul style="list-style-type: none"> <li>• White V-Gard Cap with ratchet suspension (PN 475358)</li> <li>• V-Gard Frame for Slotted Caps (PN 10121266)</li> <li>• V-Gard Arc Nitrometer with V-Gard Standard Chin Protector (PN 10118480); must be assembled by user prior to wearing to secure stated calorie rating.</li> <li>• Rated to 11.3 cal/cm<sup>2</sup> when tested to ASTM F2178-2008 (ref. NFPA 70E-2012, Hazard Risk Category 2), and when worn with a V-Gard Cap (PN 475358), V-Gard Frame (PN 10121266) and V-Gard Standard Chin Protector (PN/10115827)</li> </ul>

**WARNING:** The products listed below can expose you to chemicals including Bisphenol A (BPA), which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10118695	V-Gard Accessory System Kit with clear, polycarbonate visor and hard hat	Bisphenol A (BPA)	Reproductive Toxicity
10118697	V-Gard Accessory System Kit with clear, polycarbonate visor (no hard hat)	Bisphenol A (BPA)	Reproductive Toxicity

## V-Gard Accessory System Replacement Parts<sup>2</sup>

			
<b>NAME</b>	Slot Adapters (2 pair)	Debris Control for V-Gard Frames	Heavy-duty Rubber Strap
<b>PART NO.</b>	10117496	10116539	10117495
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• For use with V-Gard Frames for Slotted Caps</li> <li>• Sold in boxes of 10 (5 packages of 2)</li> </ul>	<ul style="list-style-type: none"> <li>• Debris control exceeds EN requirements for molten metal</li> <li>• All-rubber construction</li> <li>• Minimum order quantity: 10</li> </ul>	<ul style="list-style-type: none"> <li>• For V-Gard Universal Cap or Hat Frames</li> <li>• Minimum order quantity: 10</li> </ul>

<sup>2</sup> Call MSA Customer Service (800-MSA-2222) for protection levels when using this V-Gard Arc Visor with other V-Gard Frames, V-Gard Chin Protectors and MSA Helmet combinations.

## Hard Hat Accessories

### Chinstraps

**NEW!**

Universal 4-pt chinstrap

<b>PART NO.</b>	GA90047
<b>FEATURES</b>	• Universal 4-pt chinstrap

<b>PART NO.</b>	10124238
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Non-metal chinstraps keep helmets in place</li> <li>• Flexible construction and adjustable design for long-wearing comfort</li> </ul>
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 4-pt</li> <li>• 3/4" polyester webbing</li> <li>• Attaches to suspension<sup>1</sup></li> <li>• Pkg of 10</li> </ul>

<b>PART NO.</b>	10171103 <sup>1</sup>	10171104	10171105	10171106	10171107
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Non-metal chinstraps keep helmets in place</li> <li>• Flexible construction and adjustable design for long-wearing comfort</li> </ul>				
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• 2-pt</li> <li>• 3/4" Nomex webbing</li> <li>• Attaches to shell</li> </ul>	<ul style="list-style-type: none"> <li>• 2-pt</li> <li>• 3/4" polyester webbing</li> <li>• Attaches to shell</li> </ul>	<ul style="list-style-type: none"> <li>• 2-pt</li> <li>• 3/4" cotton webbing</li> <li>• Attaches to shell</li> </ul>	<ul style="list-style-type: none"> <li>• 2-pt</li> <li>• 3/4" cotton webbing</li> <li>• Attaches to suspension<sup>1</sup></li> </ul>	<ul style="list-style-type: none"> <li>• 2-pt</li> <li>• 3/4" polyester webbing</li> <li>• Attaches to suspension<sup>2</sup></li> </ul>

### V-Gard Winter Liners

V-Gard Winter Liners deliver extra warmth and protection under hard hats.

V-Gard Winter Liners			
<b>PRODUCT</b>	V-Gard Winter Liner, Knit Cap	V-Gard Winter Liner, Knit Hat/Cap Cover	V-Gard Supreme Liner, Flame-Resistant 2-piece
<b>PART NO.</b>	10118417	10118418	10118427
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Stylish skullie cap</li> <li>• Design prevents liner from obstructing vision</li> <li>• 100% high bulk acrylic</li> <li>• Sold in sets of 12</li> </ul>	<ul style="list-style-type: none"> <li>• 100% acrylic</li> <li>• Bright yellow-green for greater visibility</li> <li>• Full face tube mounts under or over brim of MSA caps or hats, covering ears, mouth, cheeks and neck</li> <li>• Extended nape and wraparound collar for tucking into coat/shirt</li> <li>• Sold in sets of 12</li> </ul>	<ul style="list-style-type: none"> <li>• Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm<sup>2</sup></li> <li>• Water repellant</li> <li>• Inside neck pocket holds warming packet<sup>3</sup></li> <li>• Multi-layered flame-resistant top cap</li> <li>• Extended, zipper on/off high-bulk flame-resistant knit bottom</li> <li>• No metal parts</li> <li>• Sold in sets of 3</li> </ul>

**Note: Flame resistant (FR) liner** is made of special fibers that allow it to self-extinguish when exposed to flame or thermal ignition. Flame resistance cannot be removed by washing. Unlike many other winter liners in the market, ALL layers of fabric in V-Gard Supreme Liner are flame-resistant, affording FR protection throughout the life of the product.<sup>4</sup> For this reason, only V-Gard Supreme Liner offers resistance to arc exposure.

<sup>1</sup>For elevated temperatures, flame-resistant. Not recommended for use where molten metal splash hazards exist.

<sup>2</sup>Staz-On suspension only.

<sup>3</sup>Warming packets available at most sporting goods retailers; not sold with liners.

<sup>4</sup>Garment care instructions must be followed.

## Hard Hat Accessories


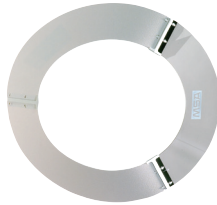


### SunShade Hard Hat Accessory

		
<b>PART NO.</b>	10098032 	10098031 
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Fit most hats and caps</li> <li>• Breathable, bright mesh fabric</li> <li>• Hat clips help to keep SunShade from falling or rotating</li> <li>• Minimum order quantity: 5</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Yellow-green, with reflective striping</li> </ul>	<ul style="list-style-type: none"> <li>• Orange, with reflective striping</li> </ul>


### Terri-Band Sweatbands

		
<b>PART NO.</b>	10068911	696688
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Custom design fits all MSA suspensions</li> <li>• Washable, with plastic snaps</li> </ul>	
<b>PRODUCT SPECIFICS</b>	• Single	• Pkg of 10


### Sun Shields

			
<b>PART NO.</b>	697290	697410 	10039114
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Easily attaches to helmets and caps</li> <li>• Polyurethane brim extender protects against sun and heat</li> <li>• Smoke-tinted Lexan front for extra protection</li> </ul>		
<b>PRODUCT SPECIFICS</b>	• For standard V-Gard Caps only	• For standard V-Gard Hats only	• For standard V-Gard 500 Caps only

### Emergency Medical Info Accessory

		
<b>PART NO.</b>	10013393	
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• Provides crucial, lifesaving information in the event of a medical crisis on the job</li> </ul>	
<b>PRODUCT SPECIFICS</b>	<ul style="list-style-type: none"> <li>• Pkg of 10</li> <li>• Trilingual: English/Spanish/French</li> </ul>	

### In-Service Helmet Label

	
<b>PART NO.</b>	804358
<b>FEATURES</b>	<ul style="list-style-type: none"> <li>• To track shell's service life, affix label inside helmet with date of helmet's first use</li> <li>• MSA recommended replacement: shell every 5 years/suspension every 12 months</li> </ul>
<b>PRODUCT SPECIFICS</b>	• Sheet of 25 labels



## Industrial Hearing Protection and Communication Systems

MSA has hearing protection products for nearly every industrial application. In fact, MSA offers what customers want most: economical options, cutting-edge technology, quality and outstanding performance.

### V-Gard Helmet-Mounted Hearing Protection

#### Superior Performance

- Offers the highest attenuation for a cap-mounted earmuff on the market.
- Custom MSA sealing rings allow for optimal NRR performance.
- Works with slotted MSA industrial cap-style hard hats.
- Works with existing MSA visors and frames for seamless integration into your safety program.

#### Enhanced Comfort and Fit

- Improved sealing ring and adapters optimize pressure on the ears for all-day comfort.
- Foam-injected ear pads cushion the outer ears to allow for soft points of contact.
- Vertical adjustment allows for custom fit.
- Recessed interior foam does not touch user's ear while in use.
- When not in use, earmuffs may be stowed in "parking" position, ready for when you need them.

#### Modern Style

- Includes the next generation "V" design from the iconic V-Gard.
- Incorporates red, yellow, and green color-coding on the backplate and front logo to easily identify level of attenuation.
- Upgraded fork design provides a sleek look and modernized feel.
- Matte material for both cup and ear pads decreases look of wear and tear.

NRR and CSA Class Ratings for V-Gard Hearing Protection						
	LOW		MEDIUM		HIGH	
	NRR	CSA Class	NRR	CSA Class	NRR	CSA Class
V-GARD CAP (medium)	22	B	27	A	31	AL
V-GARD CAP (small)	23	B	28	AL	31	AL
V-GARD CAP (large)	23	B	27	AL	30	AL
THERMALGARD CAP	24	A	27	A	29	AL
CENTURION NEXUS CAP	22	B	25	A	30	AL
SUPER-V CAP	23	B	28	AL	30	AL
V-GARD 500 CAP	22	B	28	AL	31	AL
TOPGARD CAP	24	A	28	AL	30	AL
SMOOTHDOME CAP	24	A	27	AL	30	AL
V-GARD H1 HELMET	coming soon					

PRODUCT NAME	V-Gard		V-Gard
ATTENUATION LEVEL	LOW		HIGH
PART NO.	10190356		10190358

PRODUCT NAME	Hygiene Kit	Hygiene Kit	Hygiene Kit	Helmet Adapter
PART NO.	10193450	10193451	10193452	10193449
PRODUCT FEATURES	for V-Gard Cap-Mounted Hearing Protection, <b>LOW</b>	for V-Gard Cap-Mounted Hearing Protection, <b>MEDIUM</b>	for V-Gard Cap-Mounted Hearing Protection, <b>HIGH</b>	for V-Gard Cap-Mounted Hearing Protection

<sup>1</sup> [https://www.osha.gov/dts/osta/otm/noise/hcp/attenuation\\_estimation.html](https://www.osha.gov/dts/osta/otm/noise/hcp/attenuation_estimation.html)

## Helmet-Mounted Hearing Protection



The Noise Reduction Rating (NRR) describes the average sound level reduction (“attenuation”) provided by hearing protectors in a laboratory setting. Because the NRR reflects lab (and perhaps not real-world) usage, the Occupational Safety and Health Administration (OSHA), recommends “de-rating” the NRR to help account for incorrect fit and inconsistent wear time on worksites. OSHA’s methodology for Estimating Hearing Protector Attenuation<sup>1</sup>:

1. 8-hour Time Weighted Exposure (TWA) = 94 dBA
2. NRR of hearing protector = 31 dBA
3. Subtract 7 dB from the NRR = 31 dB – 7 dB is 24 dB
4. Reduce value by 50% = 12 dB
5. Subtract this value from the TWA = 82 dB (Estimated Protection)
6. Decide if the Estimated Protection works for your environment!

### left/RIGHT® Helmet-Mounted Hearing Protection

MSA left/RIGHT earmuffs are different from any other on the market: the cups are designed to account for the asymmetrical position of each ear on the head. MSA left/RIGHT cups can be adjusted to the angle of the ear, and also independently raised or lowered.

**Markets:** General industry, manufacturing, repair and maintenance, construction, OGP, forestry, shipbuilding, mining

**Applications:**

- Heavy mechanical industries, compression rooms, airports (HIGH)
- Utilities, construction, general industry (MEDIUM)
- Food manufacturing, automotive, light industry (LOW)

**Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

**Compatible PPE:**

- V-Gard Slotted and Universal Frames—no additional parts needed
- Most V-Gard Visors
- MSA Slotted Caps and V-Gard H1 Helmets (for NRR/CSA Class, see chart at right)

NRR and CSA Class Ratings for left/RIGHT Hearing Protection						
	HIGH		MEDIUM		LOW	
	NRR	CSA Class	NRR	CSA Class	NRR	CSA Class
V-GARD CAP (medium)	28	AL	25	A	21	B
V-GARD CAP (small)	27	AL	24	A	21	B
V-GARD H1 HELMET	27	AL	23	A	21	B
TOPGARD CAP	27	A	24	A	21	B
THERMALGARD CAP	27	AL	24	A	21	B
V-GARD 500 CAP	27	AL	24	A	21	B
SUPER-V CAP	27	AL	24	A	20	B

PRODUCT NAME	left/RIGHT (HIGH)	left/RIGHT (MEDIUM)	left/RIGHT (LOW)
PART NO.	10087422	10087429	10087439
PRODUCT FEATURES	• For use in high-noise environments	• For use in medium-noise environments	• For use in low-noise environments

PRODUCT NAME	left/RIGHT (HIGH) Hygiene Kit	left/RIGHT (MEDIUM) Hygiene Kit	left/RIGHT (LOW) Hygiene Kit
PART NO.	10092880	10092879	10092878
PRODUCT FEATURES	• Cushions and inserts • Work with left/RIGHT helmet-mounted or headband products		

<sup>1</sup>[https://www.osha.gov/dts/osta/otm/noise/hcp/attenuation\\_estimation.html](https://www.osha.gov/dts/osta/otm/noise/hcp/attenuation_estimation.html)

## Helmet-Mounted Hearing Protection

### SoundControl® Classic Helmet-Mounted Hearing Protection

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, mining

**Applications:** Confined space, sanding/grinding, power tool use, occupations with non-impulse noise, demolition, assembly

**Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

**Compatible PPE:** V-Gard Slotted and Universal Frames—no additional parts needed  
Most V-Gard Visors  
MSA slotted cap-style or full-brim helmets, as indicated in the NRR and CSA Class Rating Chart at right

NRR and CSA Class Ratings for Classic SoundControl Hearing Protection								
	HPE		EXC		XLS		SH	
	NRR	CSA Class	NRR	CSA Class	NRR	CSA Class	NRR	CSA Class
V-GARD CAP (medium)	27	A	25	A	23	A	—	—
V-GARD H1 HELMET	25	A	—	—	23	A	—	—
TOPGARD CAP	26	A	24	A	23	A	—	—
THERMALGARD CAP	27	A	23	A	22	A	—	—
V-GARD 500 CAP	26	A	24	A	22	A	—	—
V-GARD FULL-BRIM HAT	—	—	—	—	—	—	25	A

<b>PRODUCT NAME</b>	<b>SoundControl HPE</b>	<b>SoundControl EXC</b>	<b>SoundControl XLS</b>	<b>SoundControl SH</b>
<b>PART NO.</b>	10061272	10061230	10061535	10129327
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• For use with MSA <b>slotted cap-style</b> helmets</li> <li>• Excellent protection against low frequency noises, such as road vehicles, aircraft or wind turbines.</li> <li>• Easy to adjust cups—even with gloves on</li> <li>• Spring arm design provides proper closure &amp; low pressure</li> </ul>	<ul style="list-style-type: none"> <li>• For use with MSA <b>slotted cap-style</b> helmets</li> <li>• Provide excellent attenuation and maximum ear space</li> <li>• Three distinct wearing positions</li> </ul>	<ul style="list-style-type: none"> <li>• For use with MSA <b>slotted cap-style</b> hard hats</li> <li>• Easy to remove ear cushions for quick replacement</li> </ul>	<ul style="list-style-type: none"> <li>• For use with MSA <b>slotted full-brim</b> helmets</li> <li>• Does not interfere with Class E rating of MSA slotted <b>full-brim</b> helmets</li> <li>• Three wearing positions</li> </ul>

<b>PRODUCT NAME</b>	<b>HPE Hygiene Kit</b>	<b>EXC Hygiene Kit</b>	<b>XLS Hygiene Kit</b>	<b>SH Hygiene Kit</b>
<b>PART NO.</b>	10061291	10061292	10061537	10003360
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• Cushions and inserts</li> <li>• Work with left/RIGHT helmet-mounted or headband products</li> </ul>			



The EPA requirement (40 CFR 211) specifies that hearing protectors sold in the U.S. must be tested to ANSI S3.19-1974 and labeled with a Noise Reduction Rating (NRR). MSA Hearing Protectors have been tested and labeled according to the EPA requirements. Standards organizations, such as ANSI and CSA, do not approve or certify hearing protectors.

## Helmet-Mounted Hearing Protection




### SoundControl Classic Helmet-Mounted Hearing Protection for MSA *Non-Slotted* Hard Hats

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, mining

**Applications:** High-noise environments, industrial plants, construction sites

**Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

**Compatible PPE:** V-Gard Slotted and Universal Frames—no additional parts needed  
Most V-Gard Visors  
MSA non-slotted hard hats

			
<b>PRODUCT NAME</b>	<b>Sound Blocker™ 26</b>	<b>Soprano™</b>	<b>SoundBlocker 26 Hygiene Kit</b>
<b>PART NO.</b>	10022021	10034487	10003360
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• For use with MSA <b>non-slotted cap-style</b> hard hats</li> <li>• Requires drilling into the helmet to mount the muffs</li> <li>• The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C</li> </ul>	<ul style="list-style-type: none"> <li>• For use with MSA <b>non-slotted full-brim</b> hard hats</li> <li>• Requires drilling into the helmet to mount the muffs</li> <li>• The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C</li> </ul>	<ul style="list-style-type: none"> <li>• Foam cushions and inserts</li> </ul>

## Headband Hearing Protection

### left/RIGHT® Hearing Protection

**Markets:** General industry, manufacturing, repair and maintenance, construction, OGP, forestry, shipbuilding, mining

**Applications:** Heavy mechanical industries, compression rooms, airports (HIGH)

Utilities, construction, general industry (MEDIUM)

Food manufacturing, automotive, light industry (LOW)

**Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

			
<b>PRODUCT NAME</b>	left/RIGHT (HIGH)	left/RIGHT (MEDIUM)	left/RIGHT (LOW)
<b>PART NO.</b>	 10087399	 10087426	10087436
<b>PRODUCT FEATURES</b>	• For use in high-noise environments	• For use in medium-noise environments	• For use in low-noise environments
			
<b>PRODUCT NAME</b>	left/RIGHT (HIGH) Hygiene Kit	left/RIGHT (MEDIUM) Hygiene Kit	left/RIGHT (LOW) Hygiene Kit
<b>PART NO.</b>	10092880	10092879	10092878
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• Cushions and inserts</li> <li>• Work with left/RIGHT helmet-mounted or headband products</li> </ul>		




## Headband Hearing Protection

### SoundControl® Classic Hearing Protection

**Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, mining

**Applications:** Confined space, sanding/grinding, power tool use, occupations with non-impulse noise, demolition, assembly

**Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

		
<b>PRODUCT NAME</b>	SoundControl HPE 	SoundControl EXC
<b>PART NO.</b>	10061271	10061229
<b>NRR</b>	26 dBA	24 dBA
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• Lightweight, low-profile</li> <li>• High attenuation and excellent sealing for reliable protection</li> <li>• Headband design and two-point cup mounting distributes weight evenly, offering outstanding balance and comfort</li> <li>• No metal parts</li> <li>• Cups can be moved to a range of wearing positions for a custom fit</li> </ul>	<ul style="list-style-type: none"> <li>• Unique injection-molded inserts provide excellent attenuation and maximum ear space</li> <li>• Medium attenuation for moderately-high noise exposures</li> <li>• Three distinct wearing position</li> <li>• Cups can be moved to a range of wearing positions for a custom fit</li> </ul>

		
<b>PRODUCT NAME</b>	EXC Hygiene Kit	HPE Hygiene Kit
<b>PART NO.</b>	10061292	10061291
<b>PRODUCT FEATURES</b>	• Foam cushions and inserts	



*The attenuation of an earmuff depends on the fit of the muff against the head and around the pinnae (i.e., the “tightness” of the seal). Gaps, including those caused by safety glasses, provide an easy path for sound to travel, reducing protection levels. To reduce this effect, try not to put anything under the cup (such as pencils, hair, etc.). But, if you must wear protective eyewear, select either those with a thin strap or a very thin temple. If the gap is noticeable, the protection level is compromised.*

### Economuff Value Hearing Protection



Economuff hearing protector provides cost-effective options that don't sacrifice comfort or protection.

**Markets:** Repair and operation (MRO), mining, food and beverage manufacturing, metal fabrication, oil & gas, general manufacturing

**Applications:** Facility maintenance, grinding, machine operations, sanding, welding, demolition, painting, assembly, cleaning

**Standards:** Meets ANSI S3.19-1974 and CSA Class B Standards

**Compatible PPE:** MSA Helmets<sup>1</sup>

		
<b>PRODUCT NAME</b>	Economuff Multi-Position	Economuff
<b>PART NO.</b>	10061273	10004291
<b>NRR</b>	23 dBA (under chin/behind head) 24 dBA (over the head)	24 dBA
<b>PRODUCT FEATURES</b>	<ul style="list-style-type: none"> <li>• Offers three positions: under the chin, behind the head or over the head</li> <li>• Under the chin or behind the head positions allow use of head protection</li> <li>• Durable design for use in tough environments</li> <li>• No metal parts</li> <li>• Padded headband makes longer wear possible</li> <li>• One size fits most</li> </ul>	<ul style="list-style-type: none"> <li>• Soft wide cushions maintain comfortable pressure around the ears</li> <li>• Lightweight</li> <li>• One size fits most</li> <li>• No metal parts</li> <li>• Most economical option</li> </ul>

<sup>1</sup>Economuff multi-position worn in behind-the-head or under-the-chin positions only.

## Sightgard Safety Glasses

**Material:** Polycarbonate



**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)


**Certification:** Third-party by ICS and CSA International

**Minimum Order Qty:** 12


### Indoor



**Markets:** Facility maintenance, repair and operations, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, transportation, shipbuilding, automotive  
**Applications:** Assembly and mechanical, drilling, grinding, machining, painting, sanding, sawing

INDOOR	
MODEL	
Arctic	
PART NO.	
697514 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff™ Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Frameless and lightweight</li> <li>Among our most popular models</li> <li>Full side coverage</li> </ul>

INDOOR	
MODEL	
Luxor	
PART NO.	
697516 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Single wrap-style lens</li> <li>Horizontal temple adjustment</li> </ul>

INDOOR	
MODEL	
Sierra	
PART NO.	
697550 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Classic full-coverage look</li> <li>Adjustable temples</li> <li>Integral side protection</li> <li>Full side coverage</li> </ul>


INDOOR	
MODEL	
Vista	
PART NO.	
10070914	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Frameless and lightweight</li> <li>Among our most popular models</li> <li>Full side coverage</li> </ul>

INDOOR	
MODEL	
Discovery II	
PART NO.	
10106382 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Flexible, nylon temple arms adjust to head width</li> <li>Soft nose bridge</li> <li>Extra-lightweight</li> </ul>


### Indoor/Humid Conditions

**Markets:** Facility maintenance, repair and operations, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, transportation, shipbuilding, automotive  
**Applications:** Assembly and mechanical, drilling, grinding, machining, painting, sanding, sawing

INDOOR/HUMID	
MODEL	
Arctic Elite	
PART NO.	
10038845 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> </ul>

INDOOR/HUMID	
MODEL	
Aurora	
PART NO.	
10026005	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Ratchet temple adjustment</li> <li>Single, 7-base wrap curve lens</li> </ul>

INDOOR/HUMID	
MODEL	
Pyrenees	
PART NO.	
10033718	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Full side protection</li> <li>Dual injected, soft-tipped temples</li> </ul>

<sup>1</sup> CSA International certified models are denoted with a  symbol



## Sightgard Safety Glasses

Material: Polycarbonate

Standards<sup>1</sup>: ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)

Certification: Third-party by ICS and CSA International

Minimum Order Qty: 12

<b>INDOOR/HUMID</b>		
<b>MODEL</b>		
<b>Voyager</b>		
<b>PART NO.</b>		
<b>10065849</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>• Clear lens</li> <li>• Single wrap-style lens</li> </ul>	



### Indoor/Outdoor

Markets: General industry, manufacturing, construction, oil and gas, forestry, shipbuilding, automotive, food and beverage, mining, pharmaceuticals, primary metals, transportation

Applications: Assembly and mechanical, chipping, chiseling, cleaning, drilling, grinding, machining, masonry, riveting, sanding, sawing, UV protection

<b>INDOOR/OUTDOOR</b>		
<b>MODEL</b>		
<b>Arctic</b>		
<b>PART NO.</b>		
<b>10008179</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Anti-scratch coating</li> <li>• Anti-fog coating</li> <li>• Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>• Blue mirror reduces glare without causing color degradation</li> <li>• Popular, lightweight model</li> <li>• Full side coverage</li> </ul>	

<b>INDOOR/OUTDOOR</b>		
<b>MODEL</b>		
<b>Arctic Elite</b>		
<b>PART NO.</b>		
<b>10059671</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Anti-fog coating</li> <li>• Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirror allows workers to go from bright to low light conditions</li> <li>• Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> </ul>	

<b>INDOOR/OUTDOOR</b>		
<b>MODEL</b>		
<b>Vista</b>		
<b>PART NO.</b>		
<b>10070916</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Tuff Stuff Anti-Scratch Coating</li> <li>• Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirror allows workers to go from bright to low light conditions</li> <li>• Vertical temple adjustment</li> <li>• Lightweight, single lens</li> </ul>	

### Outdoor

Markets: Aviation, general manufacturing, mining, oil and gas, pharmaceuticals, primary metals, transportation

Applications: Assembly and mechanical, chipping, chiseling, drilling, grinding, machining, sanding, sawing

<b>OUTDOOR</b>		
<b>MODEL</b>		
<b>Arctic</b>		
<b>PART NO.</b>		
<b>697515</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Anti-scratch coating</li> </ul>	<ul style="list-style-type: none"> <li>• Gray tint lens</li> <li>• Temples flex for a custom fit</li> <li>• Full side coverage</li> </ul>	

<b>OUTDOOR</b>		
<b>MODEL</b>		
<b>Arctic Elite</b>		
<b>PART NO.</b>		
<b>10038846</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>• Gray tint lens</li> <li>• Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> </ul>	

<b>OUTDOOR</b>		
<b>MODEL</b>		
<b>Easy Flex</b>		
<b>PART NO.</b>		
<b>10070918</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>• Gray tint lens</li> <li>• Temples flex for a custom fit</li> </ul>	

<b>OUTDOOR</b>		
<b>MODEL</b>		
<b>Easy Flex</b>		
<b>PART NO.</b>		
<b>10070921</b>		
<b>SAFETY FEATURES</b>	<b>STYLING</b>	
<ul style="list-style-type: none"> <li>• Impact-rated (Z87+)</li> <li>• Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>• Rich-orange mirrored lens reflects light and reduces glare without color degradation</li> <li>• Temples flex for a custom fit</li> </ul>	

<sup>1</sup> CSA International certified models are denoted with a  symbol

# Above-the-Neck Protection Solutions

## Sightgard Safety Glasses

Material: Polycarbonate

Standards<sup>1</sup>: ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)

Certification: Third-party by ICS and CSA International

Minimum Order Qty: 12

OUTDOOR	
MODEL	
Luxor	
PART NO.	
697517	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Gray tint lens</li> <li>Horizontal temple adjustment</li> <li>Wrap-style single lens</li> </ul>

OUTDOOR	
MODEL	
Pyrenees 	
PART NO.	
10033719	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Gray tint lens</li> <li>Full side protection</li> <li>Dual-injected soft-tipped temples</li> <li>Single wrap-style lens</li> <li>Full side coverage</li> </ul>

OUTDOOR/UV	
MODEL	
Racer Red	
PART NO.	
10106381	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> <li>Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>Rich-red mirrored lens reflects light and reduces glare without color degradation</li> <li>Ideal for utility, aviation, mining, and transportation markets</li> <li>Sporty, single, wide-wrap lens</li> <li>Full side coverage</li> </ul>



A common misconception is that all polycarbonate blocks UV. This is not the case. Under ANSI/ISEA Z87.1-2015 there is a required marking if the manufacturer claims protection from UV. Look for eyewear that both meets ANSI/ISEA Z87.1-2015 and has a U mark.

### Outdoor with UV Exposure

Markets: General industry, manufacturing, construction, oil and gas, forestry, shipbuilding

Applications: Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing

### Over-the-Glasses

Markets: Facility safety, maintenance, repair and operations, overhaul, general industry, manufacturing, construction, oil and gas, metalworking, automotive


Applications: Assembly and mechanical, drilling, grinding, machining, masonry, power fastening, riveting, sanding, sawing

OUTDOOR/UV	
MODEL	
Feather Fit	
PART NO.	
10106384 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>Gray tint lens</li> <li>Comfortable rubber flange nosepiece</li> <li>Rubber temple grips help glasses stay put under hot working conditions</li> <li>Full side coverage</li> </ul>

OVER-THE-GLASSES	
MODEL	
OvrG™ II	
PART NO.	
10118475 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>For use over small-to-medium Rx glasses</li> <li>Squared-off, stylish look</li> <li>30% lighter weight than standard visitor specs</li> </ul>

OUTDOOR/UV	
MODEL	
Voyager	
PART NO.	
10065850	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-scratch coating</li> <li>Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>Gray tint lens</li> <li>Single lens</li> </ul>

OVER-THE-GLASSES	
MODEL	
OvrG II	
PART NO.	
10118476 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Maximum UV protection (U6)</li> </ul>	<ul style="list-style-type: none"> <li>Indoor/outdoor mirrored lens</li> <li>For use over small-to-medium Rx glasses</li> </ul>

<sup>1</sup> CSA International certified models are denoted with a  symbol



## Sightgard Safety Glasses

**Material:** Polycarbonate  
**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)

**Certification:** Third-party by ICS and CSA International  
**Minimum Order Qty:** 12

OVER-THE-GLASSES	
MODEL	
Rx Overglasses	
PART NO.	
10118476 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lenses</li> <li>Fits over most Rx glasses</li> <li>Horizontal and vertical temple adjustment</li> </ul>

OVER-THE-GLASSES	
MODEL	
Plant Visitor	
PART NO.	
10027944 (ea) 697500 (10/box) 10008174 (144/box)	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> </ul>	<ul style="list-style-type: none"> <li>Clear lens</li> <li>Classic look fits over most Rx glasses</li> <li>Integral, vented side shields</li> </ul>

### Low Light

**Markets:** Transportation, inspection and repair, assembly, general industry, indoor construction, shipbuilding, automotive, food and beverage, pharmaceuticals

**Applications:** Assembly, chipping, chiseling, drilling, grinding, machining, pouring/casting, power fastening, riveting, sanding, sawing

LOW LIGHT	
MODEL	
Easy Flex	
PART NO.	
10070919	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Amber lens increases contrast in low light</li> <li>Temples flex for a custom fit</li> <li>Full side coverage</li> </ul>

LOW LIGHT	
MODEL	
Pyrenees	
PART NO.	
10033740	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Amber lens increases contrast in low light</li> <li>Full side protection</li> <li>Dual-injected soft-tipped temples</li> </ul>

### Magnifiers

**Markets:** Facility safety, maintenance, repair and operations, overhaul, general industry, manufacturing, construction, metalworking, automotive

**Applications:** Fine assembly and detail work, drilling, grinding, machining, soldering, riveting, sanding

MAGNIFIERS	
MODEL	
Pyrenees MAG	
PART NO.	
10068832 1.5 bifocal magnification  10065847 2.0 bifocal magnification	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear lenses</li> <li>Full side protection</li> <li>Dual-injected soft-tipped temples</li> </ul>

### Welding

**Markets:** General industry, manufacturing, construction, oil and gas, forestry, shipbuilding, metalworking; automotive, aviation

**Applications:** Welding, chiseling, drilling, grinding, machining, masonry, pouring/casting, power fastening, riveting, sanding, sawing

WELDING	
MODEL	
Clearvue® IR	
PART NO.	
10012847	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> </ul>	<ul style="list-style-type: none"> <li>Classic look with Infrared (IR) radiation eye protection, up to Shade 5</li> <li>Fits over most Rx glasses</li> <li>Integral, vented side shields</li> </ul>

<sup>1</sup> CSA International certified models are denoted with a  symbol

## Sightgard Safety Goggles Selection Guide



STYLE	CONDITIONS		
	General purpose: impact/splash	Industrial: impact/splash	Industrial: chemical/splash
VERTOGGLE™	■	■	
FLEXICHEM™ IV	■	■	■
CLEARVUE® 200	■	■	
VAULT™	■	■	
SIGHTGARD NV	■		
SIGHTGARD iV	■		


## Sightgard Safety Goggles

Standards<sup>1</sup>: ANSI/ISEA Z87.1-2015 and CSA Z94.3

Certification: Third-party by ICS and CSA International

SAFETY GOGGLES	
MODEL	
Sightgard Vertoggle™ Safety Goggles/ Faceshield Combination	
PART NO.	
10150069 	
	
	
SAFETY FEATURES	PRODUCT SPECIFICS
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating anti-scratch coating on goggle lens</li> </ul>	<ul style="list-style-type: none"> <li>Clear polycarbonate lens</li> <li>Frosted polycarbonate faceshield</li> <li>Soft, pliable goggle body helps ensure all-day comfort</li> <li>Unique, articulated lift-front retains the shield on the goggle in any of five positions</li> <li>Indirect venting on goggle and faceshield improve airflow while providing splash and high impact protection</li> <li>Entire assembly tested at ANSI/ISEA Z87.1-2010 faceshield impact speed (300 ft/sec)</li> <li>Fully adjustable FR-tested (CSA Z94.3 test methodology) elastic strap prevents hair pulling</li> <li>Disposable respirators can be worn under shield</li> <li>Designed to work with MSA goggle retainers</li> <li>Minimum order quantity: 5</li> </ul>

SAFETY GOGGLES	
MODEL	
FlexiChem iV	
PART NO.	
10106281	
	
	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear acetate lens resists warping, cracking and crazing from chemical splash</li> <li>Flame-retardant strap</li> <li>Soft, pliable goggle body ensures all-day comfort</li> <li>Indirect vent helps eliminate fogging while retaining splash resistance</li> <li>Minimum order quantity: 6</li> </ul>

SAFETY GOGGLES	
MODEL	
Clearvue 200	
PART NO.	
10029693 	
	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Clear acetate lens resists warping, cracking and crazing from chemical splash</li> <li>Flame-retardant strap</li> <li>Soft, pliable goggle body ensures all-day comfort</li> <li>Indirect vent helps eliminate fogging while retaining splash resistance</li> <li>Minimum order quantity: 6</li> </ul>

 **WARNING: The products listed below can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP) which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10150069	Safety Goggle and Faceshield Combination, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive
10106281	Safety Goggles, FlexiChem iV, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive
10029693	Safety Goggles, Clearvue 200, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive



## Sightgard Safety Goggles

Standards<sup>1</sup>: ANSI/ISEA Z87.1-2015 and CSA Z94.3

Certification: Third-party by ICS and CSA International

SAFETY GOGGLES	
MODEL	 
Sightgard NV	
PART NO.	
10106268 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Non-vented for tighter seal</li> <li>Minimum order quantity: 12</li> </ul>








SAFETY GOGGLES	
MODEL	 
Sightgard iV	
PART NO.	
10106270 	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating</li> <li>Tuff Stuff Anti-Scratch Coating</li> </ul>	<ul style="list-style-type: none"> <li>Indirect-venting helps keep goggles fog-free</li> <li>Minimum order quantity: 12</li> </ul>

SAFETY GOGGLES	
MODEL	 
Vault	
PART NO.	
10106282	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> <li>Impact-rated (Z87+)</li> <li>Splash-rated (D3)</li> <li>Anti-fog coating</li> </ul>	<ul style="list-style-type: none"> <li>Modern styling</li> <li>Comfortable, thick strap</li> <li>Minimum order quantity: 6</li> </ul>

**WARNING:** The products listed below can expose you to chemicals including Di(2-ethylhexyl)phthalate (DEHP) which is known to the State of California to cause cancer or reproductive harm. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

MSA Product Part No.	MSA Product Description	CA Prop 65 Chemical Name	Chemical Hazard Type
10106268	Safety Goggles, Sightgard NV, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive
10106270	Safety Goggles, Sightgard iV, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive

## Eyewear and Goggle Accessories

				
PRODUCT	Goggle Retainer	Deluxe Eyewear Lanyard	Fogpruf™ Cleaner Refill	Towelettes
PART NO.	459458 for caps  449895 for hats 	10020871	13016	10022087 
DESCRIPTION	<ul style="list-style-type: none"> <li>Sturdy neoprene-rubber accessory</li> <li>Can be used with any protective cap or hat</li> <li>Retains goggle on headwear when not in use</li> <li>Holds goggle securely when worn for eye protection.</li> </ul> <p><b>MSA goggle retainers are manufactured for use ONLY with MSA goggles in order to comply with the applicable standards of the products in the assembly.</b></p>	<ul style="list-style-type: none"> <li>Holds eyewear securely</li> <li>Lanyard strap slides over temple</li> <li>Pkg of 12</li> </ul>	<ul style="list-style-type: none"> <li>4 Oz. bottle</li> </ul>	<ul style="list-style-type: none"> <li>Pre-moistened</li> <li>Box of 100</li> </ul>



# MSA—The Safety Company

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*Our business is safety. We've been the world's leading manufacturer of high-quality safety products since 1914. MSA products may be simple to use and maintain, but they're also highly-sophisticated devices and protective gear—the result of countless R&D hours, relentless testing and an unwavering commitment to quality that saves lives and protects millions of hard working men and women each and every day. Many of our most popular products integrate multiple combinations of electronics, mechanical systems and advanced materials to help ensure that users around the world remain protected in even the most hazardous of situations.*

## Our Mission

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MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

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

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