



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.

V-Gard® Hard Hats



V-Gard Cap with Fas-Trac® III Suspension



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



GLOSS FINISH

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

MATTE FINISH

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



DID YOU KNOW?

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

CUSTOMIZATION:
Imprinting and striping available—see pages 9-10
REPLACEMENT SUSPENSIONS: See page 11



DID YOU KNOW?

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

Did you know that MSA offers a complete line of MSA hard hat accessories?
See pages 18–30 for more information.



V-Gard® Cap-Style Hard Hats

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

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



DID YOU KNOW?

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

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

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

STANDARD V-GARD CAP SPECIAL ASSEMBLIES				
Color	w/ Staz-On Suspension	w/ 1 Touch Suspension ¹	w/ Fas-Trac III Suspension ¹	
GLOSS FINISH				
HI-VIZ ORANGE <i>w/ yellow-green stripe²</i>	—	10102195	10102193	
HI-VIZ YELLOW-GREEN <i>w/ red-orange stripe²</i>	—	10102234	10102233	
HI-VIZ YELLOW-GREEN <i>w/ silver stripe²</i>	—	10102196	10102194	
WHITE <i>w/ lamp bracket and cord holder (Class C)</i>	460018	—	—	
WHITE <i>w/ American Flag</i>	474159	—	—	
WHITE <i>w/ Swing-Ratchet Suspension</i>	10004689	—	—	



V-Gard w/ Lamp Bracket and Cord Holder



V-Gard w/ Swing-Ratchet Suspension

¹Certified to CSA.

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



V-Gard® Full-Brim Hard Hats

STANDARD V-GARD FULL-BRIM HATS				
Color		w/ Staz-On Suspension	w/ 1 Touch Suspension ¹	w/ Fas-Trac III Suspension ¹
GLOSS FINISH				
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 ²		489360	10058326	10021292
HI-VIZ YELLOW-GREEN ²		—	10061516	10061515
BRIGHT LIME GREEN		815562	—	815570
DARK (CANADIAN) BLUE		—	—	802975
HOT PINK		10156374	—	10156373

STANDARD V-GARD FULL-BRIM HAT SPECIAL ASSEMBLIES			
	Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension ¹
GLOSS FINISH			
WHITE w/lamp bracket and cord holder (Class C)		460069	815009

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

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

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



V-GARD C1 HARD HATS			
Color		Slotted Cap	Slotted Full-Brim Hat
WITH 4-POINT FAS-TRAC SUSPENSION			
WHITE		10150199	10160923
BLUE		10150221	10160925
YELLOW		10150200	10160924
RED		10150223	10160927
GREEN		10150222	10160926



DID YOU KNOW?

On average, production of each V-Gard GREEN helmet removes approximately 2 lbs. of CO₂ from the atmosphere, according to the GHDPE material supplier.

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

REPLACEMENT SUSPENSIONS: See page 11

¹Certified to CSA.

²V-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® HI Safety Helmets

The V-Gard HI Safety Helmet and accessories provide exceptional comfort and ease of use in a stylish low-profile design. A complete above-the-neck platform for all applications.

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



V-Gard HI Safety Helmet (novent)



V-Gard HI Safety Helmet (trivent)



V-Gard HI Safety Helmet (bivent)

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 Novent; trivent; bivent
Sizes Standard 6½ – 8 (52–64 cm) head circumference
Standards..... See “Certifications” in chart below

CUSTOMIZATION: Stylish dark gray reflective striping standard. Imprinting available—see pages 9–10 **ACCESSORIES:** See page 16

	NOVENT w/ pivoting Fas-Trac III Suspension	TRIVENT w/ pivoting Fas-Trac III Suspension	BIVENT w/ pivoting Fas-Trac III Suspension	NOVENT w/ pivoting Fas-Trac III Suspension	BIVENT w/ pivoting Fas-Trac III Suspension
CERTIFICATIONS	ANSI, EUROPE & ARGENTINA			ANSI & CANADA	
ANSI Z89.1	■	■	■	■	■
EN397	■		■		
EN12492		■			
CSA Z94.1				■	■
IRAM	■		■		
V-GARD HI SAFETY HELMET ASSEMBLIES					
WHITE	10194791	10194783	10212394	10219932	10219941
RED	10194792	10194784	10212395	10219933	10219942
BLUE	10194793	10194785	10212396	10219934	10219943
GREEN	10194794	10194786	10212397	10219935	10219944
YELLOW	10194795	10194787	10212398	10219936	10219945
HI-VIZ YELLOW GREEN	10194796	10194788	10212399	10219937	10219946
ORANGE	10194797	10194789	10212400	10219938	10219947
BLACK	10194798	10194790	10212401	10219939	10219948
GRAY	10204347	10204346	10212402	10219940	10219949



V-Gard H2™ Safety Helmets

The V-Gard H2 Safety Helmet provides superior comfort and versatility while incorporating the latest technology to help protect against lateral impacts. The optional Mips® brain protection system adds another layer of protection in industrial safety helmets, designed to help reduce the risk of brain trauma by redirecting rotational energies in the event of certain angled impacts.

- **Quick and easy customization** with thousands of existing logos, easy creation of new logos, and reflective stripes.
- **Integrated headlamp strap clips** for easy and secure donning and doffing of lights on the helmet.
- **ANSI Z89.1 Type II certification** with integrated chinstrap for enhanced protection against lateral impacts.
- **Non-vented options** for use in electrical applications where Class E certification is needed.
- **Optional venting** for improved air flow, cooling and reduced heat stress.
- **Extensive accessory compatibility with nearly all V-Gard H1 and V-Gard accessories** for a wide variety of industrial applications and easy integration with existing inventory.
- **Comfortable ratchet suspension** that's easily adjustable with a gloved hand.
- **Antimicrobial sweatband, crown pad, and ratchet pad** with Ionic+® high-purity silver to eliminate odor-causing bacteria.
- **Optional Mips® system** for additional rotational impact protection designed to help reduce the risk of traumatic brain injury.



Vented W/O MIPS

Non-Vented W/O MIPS

Vented With MIPS

Non-Vented With MIPS







Classification Type II
Markets..... Utilities; oil, gas and petrochemical; general industry; construction
Application..... General Industry; construction; working-at-heights; confined space; rescue
Shell Material..... ABS (Acrylonitrile Butadiene Styrene)
Styles Vented and non-vented
Sizes Standard 6½ – 8 (53 – 63 cm) head circumference
Standards..... VENTED: ANSI/ISEA Z89.1-2014 (R2019), Type II, Class C, HT, HV (if applicable)
 NON-VENTED: ANSI/ISEA Z89.1-2014 (R2019), Type II, Class E, HT, HV (if applicable)

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

ACCESSORIES: See page 7

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

V-Gard H1 and H2 Safety Helmets

V-GARD H1 SAFETY HELMET ACCESSORIES					
Part No.	Product Name	Color	Product Specifics	Approvals	
10194818	V-Gard H1/H2 Clear Face Shield	Clear	<ul style="list-style-type: none"> Clear polycarbonate contoured visor for closer fit and optimal resistance to impact and splash hazards Simple push button donning and doffing on the V-Gard H1 Safety Helmet—no additional frames or adapters required Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance Frameless design with anti-fog and anti-scratch coatings for greater visibility 	<ul style="list-style-type: none"> ANSI/ISEA Z87.1-2015 CSA Z94.3 EN 166 	
10194819	V-Gard H1/H2 Mesh/Forestry Face Shield	Mesh	<ul style="list-style-type: none"> Steel mesh contoured visor for closer fit and optimal protection from flying chips and other light debris Simple push button donning and doffing on the V-Gard H1 Safety Helmet—no additional frames or adapters required Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance 	<ul style="list-style-type: none"> ANSI/ISEA Z87.1-2015 EN 1731 	
10194820	V-Gard H1/H2 Half-Face Spectacles	Clear	<ul style="list-style-type: none"> Clear polycarbonate contoured spectacles for closer fit and optimal resistance to impact and splash hazards Simple push button donning and doffing on the V-Gard H1 Safety helmet—no additional frames or adapters required Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance Frameless design with anti-fog and anti-scratch coatings for greater visibility 	<ul style="list-style-type: none"> ANSI/ISEA Z87.1-2015 CSA Z94.3 EN 166 	
10217333	V-Gard H1/H2 Shaded Half-Face Spectacles	Shaded	<ul style="list-style-type: none"> Smoke-shaded polycarbonate contoured spectacles for closer fit and improved resistance to impact and splash hazards Simple push button donning and doffing on the V-Gard H1 Safety Helmet—no additional frames or adapters required Dual pivot hinge maintains a low profile to the helmet when stowed for improved field of vision and wind resistance Frameless design with anti-fog & anti-scratch coatings improve visibility 	<ul style="list-style-type: none"> ANSI/ISEA Z87.1-2020 CSA Z94.3 EN 166 	
10220915	V-Gard H1 FR (Flame-Retardant) Chinstrap	—	<p><i>For use with the V-Gard H1 Novent Safety Helmet</i></p> <ul style="list-style-type: none"> 4-point FR chinstrap with multiple adjustment points for customized fit and comfort Made from flame resistant Kevlar® fabric Convenient rescue whistle integrated into the color-coded chinstrap buckle 	<ul style="list-style-type: none"> NFPA 1971, Sections 7.4.10 (ASTM D6413/ D6413M) and 7.4.11 (ASTM F2894/F2894M) 	
10236392	V-Gard H1 Visor Frame, <i>without debris control</i>	Black	<p><i>For use with V-Gard H1 Safety Helmets</i></p> <ul style="list-style-type: none"> Made from high-density polyethylene and polycarbonate Ideal for confined space, working at heights, turnarounds & plant maintenance, search & rescue 	<ul style="list-style-type: none"> ANSI/ISEA Z87.1-2015 CSA Z94.3 	
10235987	V-Gard H1 Visor Frame, <i>with debris control</i>				
10236393	Debris Control for V-Gard H1 Visor Frame (replacement)				

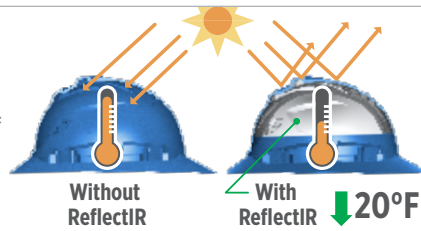
V-GARD H1 SAFETY HELMET ACCESSORIES	
Part No.	V-Gard H1 Replacement Parts
10194760	V-Gard H1 Replacement Suspension Assembly, Fas-Trac III Pivot
10194761	V-Gard H1 Replacement Sweatband, Fas-Trac III Pivot, 3-pack
10194765	V-Gard H1 Replacement Chin Strap, Trivent
10194766	V-Gard H1 Replacement Chin Strap, Novent/Bivent

V-GARD H2 SAFETY HELMET ACCESSORIES	
Part No.	V-Gard H1 Replacement Parts
10242641	V-Gard H2 Replacement Chinstrap
10242642	V-Gard H2 Replacement Crown Pad
10242643	V-Gard H2 Replacement Sweatband
10246731	V-Gard H2 Replacement Sweatband, MIPS
10242644	V-Gard H2 Replacement Padding Set
10246730	V-Gard H2 Replacement Padding Set, MIPS

V-Gard® C1™ Full-Brim Hard Hats

• ReflectIR™ Thermal Barrier

(*patent-pending*) works to block the energy of the sun, keeping the inside of the hard hat up to 20°F (11°C) cooler¹, reducing the risk of heat stress.



• Largest vents MSA offers on a full-brim hat

(*vented version*) are strategically placed to optimize airflow, increase comfort and further reduce heat stress.

• Premium moisture-wicking sweat band

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



• **Full brim on the V-Gard C1 Hard Hat** offers 12% more coverage², providing additional shade while protecting you from harmful UV rays. Unique textured brim provides added grip when donning and doffing the hard hat.



non-vented



vented

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

SPECIFICATIONS	Non-Vented	Vented
STANDARDS COMPLIANCE	ANSI/ISEA Z89.1-2014 (R2019)	CSA Z94.1-15
OPTIONAL REQUIREMENTS (ANSI)	LT (Low Temp) Reverse Donning	HT High Temp HV (Hi-Viz, as indicated)
ANSI Z89.1 & CSA Z94.1 CLASSIFICATION	Type 1, Class E	Type 1, Class C
3RD PARTY CERTIFICATIONS	SEI	
STYLE	Non-Vented	Vented
PRODUCT SIZE	Standard head size 6½-8 (52-64 cm head circumference)	
OTHER PPE	Compatible with all current V-Gard Hard Hat accessories: Fas-Trac III Suspension, frames, visors, hearing protection, chinstraps, sun shades, sun shields, cooling pads, & winter liners	

CUSTOMIZATION

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



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

²Compared to a full-brim V-Gard or V-Gard 500 Hard Hat.

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



Helmet Customization For 30+ Years



Practice makes *perfect* logos

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



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 artwork².



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 stripes³ offer additional enhancement in nighttime or low-light conditions. Stripes are available in various sizes and shapes, and can be placed on all types of MSA hard hats.

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



Stock Logos and Slogans

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



Hard Hat Color Choices

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

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



Personalization

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

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

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

Placing Customized Hard Hat Orders

Steps to complete your online logo configuration order:

Summary of how to submit artwork to MSA Logo Express Service

Please review the document for process details.

METHOD FOR SUBMITTING ARTWORK	Electronic file emailed to your MSA distributor
PROGRAMS FOR SUBMITTING ARTWORK	Corel Draw (version x6 or lower) Adobe Illustrator (version cs6 or lower) Adobe Photoshop (version cs6 or lower)
ARTWORK FILES	VECTOR FILES: .cdr (Corel Draw) .ai (Adobe Illustrator) .eps (encapsulated postscript)
FONT REQUIREMENTS	<ul style="list-style-type: none"> ■ Convert all fonts to "outlines" (Adobe Illustrator) or "curves" (Corel Draw). ■ Provide a list of actual fonts used with artwork file. Font type must be truetype and/or postscript type 1.

Did you know?

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

If you are personalizing your hard hat, please fill out form ID #0617-17-MC.

Submitting Artwork

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

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

Personalization

Add your name, ID#, title or anything else with this option. Fill out form ID# 0617-17-MC and submit with order. **ONLY AVAILABLE FOR V-GARD LINE OF MSA HARD HATS.**

Font Submission

Failure to specify or provide files for the typefaces used in your artwork is the most common source of delays and logo errors. If your artwork includes text, please be sure to:

- Convert type to outlines:
 - **Adobe Illustrator** (Type > Create Outlines)
 - **Corel Draw** (Convert to Curves using Ctrl+Q or Command+Q)
- Submit a list of all fonts used, along with the actual font files. All fonts should be TrueType and/or Postscript Type 1 formats.

NOTE: Do not use Helvetica Narrow; it is unreliable and could complicate the printing process.



The "Try-It" Sample Program

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



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



Questions About Helmet Customization?

Contact your MSA distributor or MSA Logo Express Service.

EMAIL: Logo.Express@msasafety.com

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

KEYWORD: Logo



Replacement Suspensions for MSA Hard Hats

MSA Fas-Trac® III Ratchet Suspension

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

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



Learn how the Fas-Trac III Suspension can relieve your headaches. Visit www.MSAafety.com/fastrac.

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

¹Swing ratchet size is 6½ through 7%

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

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

⚠ WARNING

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



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

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

Freedom Series™ and Specialty V-Gard® Hard Hats

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

AMERICAN FREEDOM SERIES ASSEMBLIES

American Stars and Stripes <i>V-Gard Slotted Cap</i> Part No. 10052945	American Stars and Stripes <i>V-Gard Slotted Hat</i> Part No. 10071157	American Flag w/2 Eagles <i>V-Gard Slotted Cap</i> Part No. 10052947	American Flag w/2 Eagles <i>V-Gard Slotted Hat</i> Part No. 10071159
Camouflage <i>V-Gard Slotted Cap</i> Part No. 10103908	Camouflage <i>V-Gard Slotted Hat</i> Part No. 10104254	American Eagle <i>V-Gard Slotted Cap</i> Part No. 10079479	Dual American Flag <i>V-Gard Slotted Cap</i> Part No. 10050611

CANADIAN FREEDOM SERIES ASSEMBLIES

White w/Red Maple Leaf <i>V-Gard Slotted Cap</i> Part No. 10050613	White w/Red Maple Leaf <i>V-Gard Slotted Hat</i> Part No. 10082234	Black w/Red Maple Leaf <i>V-Gard Slotted Cap</i> Part No. 10082233	Black w/Red Maple Leaf <i>V-Gard Slotted Hat</i> Part No. 10082235
Camouflage w/Canadian Flag on front¹ <i>V-Gard Slotted Cap</i> Part No. 10104925			

SPECIALTY V-GARD ASSEMBLIES

Rally Cap <i>V-Gard Slotted Cap</i> Part No. 10101535	Metallic Gold <i>V-Gard Slotted Cap</i> Part No. 10101854	Black Fire <i>V-Gard Slotted Cap</i> Part No. 10092015	

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

REPLACEMENT SUSPENSIONS: See page 11

¹Not pictured

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



Hydro Dip V-Gard® Hard Hats

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

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 Kanyon 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 Kanyon V-Gard Slotted Hat Part No. 10204787








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








*Restrictions apply

V-Gard® 500 Hard Hats

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

Classification	Type I	
Application	General purpose	
Shell Material	Polyethylene	
Styles	Vented or non-vented slotted cap; Vented or non-vented hat	
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	

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

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





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



REPLACEMENT SUSPENSIONS: See page 11

Topgard® Hard Hats

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



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

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

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


REPLACEMENT SUSPENSIONS: See page 11

¹V-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.

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



SmoothDome® Hard Hats


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

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

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

REPLACEMENT SUSPENSIONS: See page 11

Thermalgard® Hard Hats

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

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


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

REPLACEMENT SUSPENSIONS: See page 11

¹V-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.

²Helmets marked with the HT designation have been certified to the optional Higher Temperature test of ANSI/ISEA Z89.1. In this test, helmets are pre-conditioned in an oven at 60°C ± 2°C (140°F ± 3.6°F) and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. In addition, Thermalgard Helmets were exposed to a radiant heat load until the surface temperature on the top of the helmet reaches 350°F and then tested per the ANSI/ISEA Z89.1 Industrial Head Protection Standard for top force transmission. The source of the radiant heat load was located above the top of the helmet. This testing is performed by MSA and is not part of the helmet certification process.

Skullgard® Hard Hats

ClassificationType I	
ApplicationGeneral purpose; elevated temperature ¹	
Shell MaterialPhenolic	
StylesNon-slotted cap; full-brim hat	
Sizes Cap: Standard (6½ – 8); Small (6 – 7½); Large (7 – 8½) Hat: Standard (6½ – 8)	
StandardsANSI/ISEA Z89.1-2014 (Class G)	
CertificationThird-party by SEI	


Color	w/ Staz-On Suspension	w/ Fas-Trac III Suspension	w/ Swing-Ratchet Suspension
SKULLGARD CAP (STANDARD SIZE)			
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 ²	458702	—	—
SKULLGARD HAT (STANDARD SIZE)			
NATURAL TAN	454664	475407	—
WHITE	454665	475408	—
YELLOW	454666	—	—
GREEN	454668	—	—
ORANGE	454673	—	—



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

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

REPLACEMENT SUSPENSIONS: See page 11

Super V® Hard Hats

ClassificationType II (ANSI and CSA)	
ApplicationLateral protection	
Shell MaterialPolyethylene	
StylesSlotted cap w/foam liner	
SizesStandard (6½ – 7½)	
StandardsANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)	
CertificationThird-party by SEI	

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

Color	w/Fas-Trac III Suspension
SUPER V ASSEMBLIES	
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 9–10

REPLACEMENT SUSPENSIONS: See page 11

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

² 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.

³ 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
Sizes	Standard (6½ – 8)
Standards	ANSI/ISEA Z89.1-2014 (Class G)
Certification	Third-party by SEI



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

CUSTOMIZATION:
Imprinting and striping available—see pages 9–10
REPLACEMENT SUSPENSIONS: See page 11

Miner's Support System

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



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

Bump Caps

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



Color	w/ Plastic Suspension
BUMP CAP ASSEMBLIES	
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)

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

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

V-GARD UNIVERSAL CAP FRAME				
Part No.	Debris Control	Product Specifics		
10187161	With debris control	Easy to Use <ul style="list-style-type: none"> Add and remove accessories¹ Quicker visor installation and removal Green color coded parts Built to Last <ul style="list-style-type: none"> Infinity joints Universal strap Debris control 	Reducing Complexity <ul style="list-style-type: none"> Designed to work with all MSA V-Gard cap-style hard hats 	
10187162	Without debris control	Easy to Use <ul style="list-style-type: none"> Add and remove accessories¹ Quicker visor installation and removal Green color coded parts Built to Last <ul style="list-style-type: none"> Infinity joints Universal strap 	Reducing Complexity <ul style="list-style-type: none"> Designed to work with all MSA V-Gard cap-style hard hats 	

Part No.	Product Specifics
10187163	Replacement debris wiper

Part No.	Product Specifics
10187251	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			Standards²: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; AS/NZS 1337 Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd. Min Order Qty: 10		
Part No.	Material	Debris Control	Product Specifics		
10115730 	High density polyethylene (HDPE)	Includes replaceable debris control which creates tight seal between frame and cap	<ul style="list-style-type: none"> Fits all MSA Slotted Caps Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs³ Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor 		
10121266 	High density polyethylene (HDPE)	Debris control sold separately	<ul style="list-style-type: none"> Fits all MSA Slotted Caps⁴ Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs³ Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor 		

⚠ 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.

¹MSA 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.







²Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.

³Patent pending



⁴MSA recommends the use of debris control on V-Gard frames when wearing BOTH large V-Gard molded Visors and cap-mounted earmuffs.





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

V-GARD FRAMES FOR ELEVATED TEMPERATURE APPLICATIONS				
<p>Markets: Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels</p> <p>Applications: Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding</p>			<p>Features: Tested to withstand temperatures of 350°F (176.7°C), reducing warping, cracking or crazing</p> <p>Standards: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; AS/NZS 1337</p> <p>Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.</p> <p>Min Order Qty: 10</p>	
Part No.	Material	Debris Control	Product Specifics	
<p>10115821</p> 	Polycarbonate — all non-metal construction	Replaceable debris control tested against EN 166 hot solids requirements	<ul style="list-style-type: none"> Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs² Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor 	
<p>10121267</p> 	Polycarbonate — all non-metal construction	Debris control sold separately ³	<ul style="list-style-type: none"> Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor 	
<p>10116552</p> 	Polycarbonate — all non-metal construction	Replaceable debris control tested against EN 166 hot solids requirements	<ul style="list-style-type: none"> Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models⁴ Design allows use with other PPE, including MSA earmuffs and respirators 	

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

V-GARD FRAMES FOR GENERAL PURPOSES				
<p>Markets: General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining</p> <p>Applications: Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing</p>			<p>Standards: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; AS/NZS 1337</p> <p>Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.</p> <p>Min Order Qty: 10</p>	
Part No.	Material	Debris Control	Product Specifics	
<p>10116627</p> 	High density polyethylene (HDPE)	Offered without debris control ONLY	<ul style="list-style-type: none"> Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models Design allows use with other PPE, including MSA earmuffs and respirators Fits MSA Full-Brim Safety Helmets 	

V-GARD FRAMES FOR ELEVATED TEMPERATURE APPLICATIONS				
<p>Markets: Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels</p> <p>Applications: Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding</p>			<p>Features: Tested to withstand temperatures of 350°F (176.7°C), reducing warping, cracking or crazing</p> <p>Standards: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337</p> <p>Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.</p> <p>Min Order Qty: 10</p>	
Part No.	Material	Debris Control	Product Specifics	
<p>10116628</p> 	Polycarbonate — all non-metal construction	Offered without debris control ONLY	<ul style="list-style-type: none"> Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models Design allows use with other PPE, including MSA earmuffs and respirators Fits MSA Full-Brim Safety Helmets 	

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

²Patent pending

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

⁴MSA 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 MSA Slotted Full-Brim Hard Hats

V-GARD FRAMES FOR GENERAL PURPOSES				
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			Standards¹: ANSI/ISEA Z87.1-2015 and CSA Z94.3 Certification/Testing: CSA International and Intertek Min Order Qty: 10	
Part No.	Material	Debris Control	Product Specifics	
10154622 	Polybutylene terephthalate (PBT)	Sold with replaceable debris control which creates tight seal between frame and hat	<ul style="list-style-type: none"> Fits MSA Slotted Full Brim Hats Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost ² 	
10154604 	Polybutylene terephthalate (PBT)	Debris control sold separately	<ul style="list-style-type: none"> Fits MSA Slotted Full Brim Hats Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost ² 	
10116628	All rubber construction	Exceeds EN requirements for molten metal	Debris Control	

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			Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3 Certification: Third-party by Intertek, CSA International (as marked)	
Part No.	Material		Product Specifics	
10158799 	Heavy-duty anodized aluminum		<ul style="list-style-type: none"> For use with MSA cap-style hard hats Spring coil for fast loading of frame to helmet Three visor resting positions Locking device holds visor securely in the down position 	
10158800 	Heavy-duty anodized aluminum		<ul style="list-style-type: none"> For use with MSA Skullgard cap-style hard hats Spring coil for fast loading of frame to helmet Three visor resting positions Locking device holds visor securely in the down position 	
10176739 	Heavy-duty anodized aluminum		<ul style="list-style-type: none"> For use with MSA full-brim hard hats Spring coil for fast loading of frame to helmet Three visor resting positions Locking device holds visor securely in the down position 	

⚠ WARNING























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

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

²Patent pending








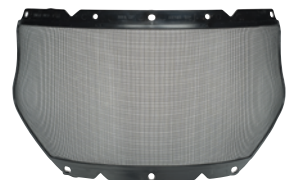

V-Gard® Accessory System: Visors

V-GARD VISORS: GENERAL PURPOSE			
<p>Markets: General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining</p> <p>Applications: Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing</p>		<p>Standards: ANSI/ISEA Z87.1-2015; CSA Z94.3 and EN 166 (2C-1.2 MSA 1B); AS/NZS 1337 (except as noted)</p> <p>Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.</p> <p>Min Order Qty: 10</p>	
Part No.	Product Specifics		
Impact-rated (Z87+) with Maximum UV Protection			
<p>10144486</p> 	<p>Material Polycarbonate — clear</p>	<ul style="list-style-type: none"> • 5" (14.61 cm) x 17" (43.2 cm) x .04" (1.02 mm) • Contoured visor; closer fit and improved resistance to impact and splash hazards • Approved to ANSI and CSA² standards; does not meet EN standards ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
<p>10115836</p>  	<p>Material Polycarbonate — clear</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) • Contoured visor; closer fit and improved resistance to impact and splash hazards 	
<p>10115837</p>  	<p>Material Polycarbonate — clear</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) • Contoured visor; closer fit and improved resistance to impact and splash hazards ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
<p>10120108</p> 	<p>Material Polycarbonate — clear</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) • Bulk pack of 20 • Contoured visor; closer fit and improved resistance to impact and splash hazards 	
<p>10115863</p>  	<p>Material Polycarbonate — clear</p>	<ul style="list-style-type: none"> • 9.5" (24.1 cm) x 17" (43.2 cm) x .04" (1.02 mm) • Contoured visor; closer fit and improved resistance to impact and splash hazards 	
<p>10115839</p>  	<p>Material Polycarbonate with antifog/anti-scratch coatings for humid conditions — clear</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52 mm) • Slightly thicker for industrial impact applications resistance to impact and splash hazards • Contoured visor; closer fit and improved resistance to impact and splash hazards 	
<p>10115841</p>  	<p>Material Polycarbonate with antifog/anti-scratch coatings for humid conditions — clear</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52 mm) • Slightly thicker for industrial impact applications resistance to impact and splash hazards • Contoured visor; closer fit and improved resistance to impact and splash hazards ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
<p>10115842</p>  	<p>Material Polycarbonate with antifog/anti-scratch coatings for humid conditions — green tint to reduce glare</p>	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52 mm) • Slightly thicker for industrial impact applications resistance to impact and splash hazards • Contoured visor; closer fit and improved resistance to impact and splash hazards ◆ Not for use where a Shade infrared (IR) visor is required 	

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

V-Gard® Accessory System: Visors







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		Standards¹: 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	
Part No.	Product Specifics		
Impact-rated (Z87+) with Maximum UV Protection			
10115840 	Material Polycarbonate — clear	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52 mm) • Slightly thicker for industrial impact applications resistance to impact and splash hazards • Contoured visor; closer fit and improved resistance to impact and splash hazards 	
10117783 	Material Polycarbonate — clear	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52 mm) • Slightly thicker for industrial impact applications resistance to impact and splash hazards • Wider design; improved resistance to impact and splash hazards • Does not meet CSA Z94.3 ■ Flat Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	





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		Standards¹: 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	
Part No.	Product Specifics		
General Protector (Z87) — NOT FOR IMPACT HAZARDS			
10116557	Material Epoxy-coated steel mesh (20 x 20) — black, plastic edged	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) • Not for use against splash, impact, elevated temperatures or UV hazards • Can be worn with earmuffs 	
10116558	Material Epoxy-coated steel mesh (20 x 20) — black, plastic edged	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) • Not for use against splash, impact, elevated temperatures or UV hazards • Can be worn with earmuffs ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
10158822	Material Epoxy-coated steel mesh (20 x 20) — aluminum-bound mesh	<ul style="list-style-type: none"> • 8" (20.3 cm) x 16.5" (41.9 cm) • Not for use against splash, impact, electrical or UV hazards 	

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



V-Gard® Accessory System: Visors

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: 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	
Part No.	Product Specifics		
Impact-rated (Z87+)			
10115855 	Material Propionate — clear	<ul style="list-style-type: none"> •8" (20.3 cm) x 17" (43.2 cm) x .098" (2.5mm) •Extra-thick to help prevent warping, cracking or crazing under tough conditions •Please refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for chemical performance details 	
10115856 	Material Propionate — clear	<ul style="list-style-type: none"> •8" (20.3 cm) x 17" (43.2 cm) x .098" (2.5mm) •Extra-thick to help prevent warping, cracking or crazing under tough conditions ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors •Please refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for chemical performance details 	
10115851 	Material Propionate — clear	<ul style="list-style-type: none"> •9.25" (23.5 cm) x 18" (45.7 cm) x .098" (2.5mm) •Extra-thick to help prevent warping, cracking or crazing under tough conditions •Extended length and width for greater coverage of neck and face •Please refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for chemical performance details 	
NOTE: 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 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: ANSI/ISEA Z87.1-2015; EN 166 (2C-1.2 MSA 1BT9KN); 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	
Part No.	Product Specifics		
Impact-rated (Z87+) with Maximum UV Protection			
10115853 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — clear	<ul style="list-style-type: none"> •10.375" (26.4 cm) x 17" (43.2 cm) x .098" (2.5 mm) •Molded visor for superior optics under heavy-duty use •Extended length for greater coverage of neck/face •Performs well against many chemicals. Refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for details 	
10115854 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — green tint to reduce glare	<ul style="list-style-type: none"> •10.375" (26.4 cm) x 17" (43.2 cm) x .098" (2.5 mm) •Molded visor for superior optics under heavy-duty use •Extended length for greater coverage of neck/face ◆ Not for use where a Shade infrared (IR) visor is required 	
NOTE: V-Gard molded, green and clear visors 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.			

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

V-Gard® Accessory System: Visors

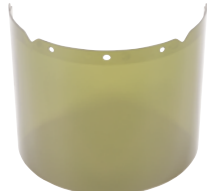
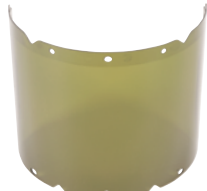

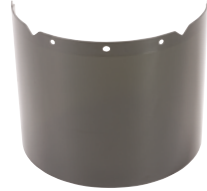
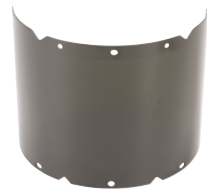
V-GARD VISORS: ELEVATED TEMPERATURE			
Markets: Food manufacturing/canneries, steel mills, construction, open pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, steam tunnels Applications: Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding		Standards¹: 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	
Part No.	Product Specifics		
Impact-rated (Z87+) with Maximum UV Protection			
10115844 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — clear	<ul style="list-style-type: none"> • 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm) • Molded visor for superior optics under heavy-duty use • Extra-thick visor helps prevent warping, cracking or crazing • 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) ◆ Visors do not reflect IR; not recommended for use against radiant heat hazards 	
10115845 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — green tint to reduce glare	<ul style="list-style-type: none"> • 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm) • Molded visor for superior optics under heavy-duty use • Extra-thick visor helps prevent warping, cracking or crazing • 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) ◆ Visors do not reflect IR; not recommended for use against radiant heat hazards ◆ Not for use where a Shade infrared (IR) visor is required 	
NOTE: V-Gard molded, green and clear visors 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.			

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		Standards¹: ANSI/ISEA Z87.1-2015; EN 166 (2C-2.5 MSA IBT3R [clear] and 2-4 MSA IBT3R [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	
Part No.	Product Specifics		
Impact-rated (Z87+) with Maximum UV Protection			
10115848 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — clear	<ul style="list-style-type: none"> • 9.5" (24.1 cm) x 17.75" (45.09 cm) x .07" (1.8 mm) • Reflective coating reflects IR and helps dissipate heat: reflects >60% Infrared (IR) radiation (EN166 R mark) in the 780nm to 2000nm wavelength • Thick visor helps prevent warping, cracking or crazing • Extended length for greater coverage of face and neck; DO NOT use for welding 	
10115850 	Material Polycarbonate with EN 166 performance-rated anti-fog/anti-scratch coatings for hot/humid conditions (N,K marks, respectively) — green tint to reduce glare	<ul style="list-style-type: none"> • 9.5" (24.1 cm) x 17.75" (45.09 cm) x .07" (1.8 mm) • Reflective coating reflects IR and helps dissipate heat: reflects >60% Infrared (IR) radiation (EN166 R mark) in the 780nm to 2000nm wavelength • Thick visor helps prevent warping, cracking or crazing • Extended length for greater coverage of face and neck; DO NOT use for welding ◆ Not for use where a Shade infrared (IR) visor is required 	
NOTE: 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 ² . 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 MSAafety.com.			

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



V-Gard® Accessory System: Visors

V-GARD VISORS: WELDING (SHADE 3, SHADE 5, AND SHADE 8)			
Markets: Fabrication, steel mills, shipbuilding, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing Applications: Welding, metal pouring, gas soldering, light cutting/brazing, manufacturing, impact and debris		Standards¹: 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, ANSI/ISEA Z87 + W8; CSA Z94.3 Shade 8 Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd. Min Order Qty: 5	
Part No.	Product Specifics		
	Impact-rated (Z87+)		
10115859 	Material Polycarbonate — Shade 3 IR	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter 	
10115860 	Material Polycarbonate — Shade 3 IR	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
10115861 	Material Polycarbonate — Shade 5 IR	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter 	
10115862 	Material Polycarbonate — Shade 5 IR	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter ■ Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors 	
10236001	Material Polycarbonate — Shade 8 IR	<ul style="list-style-type: none"> • 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter 	

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

V-Gard® Accessory System: Visors

V-GARD VISORS: ARC FLASH APPLICATION ¹			
Markets: Manufacturing, utilities, construction, oil/gas/ petrochemical		Standards²: ANSI/ISEA Z87.1-2015; ASTM F2178-2008 (Ref: NFPA 70E, HRC 2)	
Applications: Maintenance, impact and debris, testing/repair		Certification: Third-party by Intertek and ArcWear	
Min Order Qty: 5			
Part No.	Product Specifics		
	Impact-rated (Z87+)		
10115847	Material Polycarbonate — special tint, gray-blue visor; molded	<ul style="list-style-type: none"> • 9.25" (23.5 cm) x 18" (45.7 cm) x .065" (1.7 cm) • Extended length and width for greater coverage of face and neck • Rated to 16.0 cal/cm² 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 10115730) <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>	
10118480	Material Polycarbonate — special tint, gray-blue visor; molded (for use with designated V-Gard Chin Protector)	Arc Visor Kit —consists of Visor (PN 10115858) + Chin Protector (PN 10115827) <ul style="list-style-type: none"> • 8" (20.3 cm) x 17.25" (43.8 cm) x .065" (1.7 cm) • Extended length and width for greater coverage of face and neck • Rated to 21.0 cal/cm² when tested to ASTM F2178-2008 (ref. NFPA 70E-2015 PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475369) and V-Gard Frame (PN 10116627) and V-Gard Standard Chin Protector (PN/10115827) <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>	

V-Gard® Accessory System: V-Gard® Chin Protectors³

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

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

¹ 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.

² Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.

³ 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.



V-Gard® Accessory System: 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.¹

V-GARD HEADGEAR			
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 (6½ – 8) Standards²: 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.	
Part No.	Product Name	Product Specifics	
10127061 	V-Gard Headgear — General Purpose Material: High Density Polyethylene (HDE) – black	<ul style="list-style-type: none"> Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose Ratchet closure Seven-point crown adjustment Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool Sweat-wicking ratchet cover keeps nape comfortable For use ONLY with V-Gard Visors; not for use where head protection is required All non-metal construction Minimum order quantity: 10 	
10127062 	V-Gard Headgear — Elevated Temperature Material: Heat-resistant nylon — gray	<ul style="list-style-type: none"> Extended browguard for additional coverage in high temperatures Tested to withstand temperatures up to 400 ° F³ Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose Ratchet closure Seven-point crown adjustment Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool Sweat-wicking ratchet cover keeps nape comfortable For use ONLY with V-Gard Visors; not for use where head protection is required All non-metal construction Minimum order quantity: 5 	
10127063	V-Gard Headgear Kit — General Purpose	Kit Contains: <ul style="list-style-type: none"> V-Gard General Purpose Headgear (PN 10127061) V-Gard Clear, PC Visor, 8” (20.3 cm) x 17” (43.2 cm) x .04” (1.02 mm) (PN 10115836) 	
10127065	V-Gard Headgear Replacement Sweatband⁴	<ul style="list-style-type: none"> Sweat-wicking material over breathable foam helps keep workers cool, dry and comfortable Hook & loop closure makes replacement easy Tested to the FR requirements in CSA Z94.3-07 Sold in boxes of 25 (5 packages of 5) 	





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.

²Standards requirements met by each V-Gard Frame or Headgear/V-Gard Visor combination designated on each V-Gard Visor.






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

⁴Use 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® Accessory System: Kits

V-GARD ACCESSORY SYSTEM KITS			
Part No.	Product Name	Product Specifics	
10118695	V-Gard Accessory System Kit — with V-Gard Cap-Style Hard Hat	Kit Contains: <ul style="list-style-type: none"> • White V-Gard Cap with ratchet suspension (PN 475358) • V-Gard Frame for Slotted Caps; with debris control (PN 10115730) • V-Gard Clear, Polycarbonate Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836) 	
10118697	V-Gard Accessory System Kit — without V-Gard Cap-Style Hard Hat	Kit Contains: <ul style="list-style-type: none"> • V-Gard Universal Frame for Caps with debris control (PN 10115822) • V-Gard Clear, Polycarbonate Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836) ► Does not contain an MSA safety helmet.	
10118694	V-Gard Forestry Kit	Kit Contains: <ul style="list-style-type: none"> • Hi-Viz orange V-Gard Cap with ratchet suspension (PN 488146) • V-Gard Frame for Slotted Caps; with debris control (PN 10115730) • V-Gard Mesh Nitrometer (PN 10116558) • V-Gard Retractable Chin Protector (PN 10115828) • left/RIGHT, HIGH (NRR 28 db) Cap-Mounted Earmuffs (PN 10087422) 	
10118696 ¹	V-Gard Accessory Arc Kit	Kit Contains: <ul style="list-style-type: none"> • White V-Gard Cap with ratchet suspension (PN 475358) • V-Gard Frame for Slotted Caps (PN 10121266) • 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. • Rated to 11.3 cal/cm² 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) 	

V-Gard® Accessory System: Replacement Parts²

V-GARD ACCESSORY SYSTEM REPLACEMENT PARTS			
Part No.	Product Name	Product Specifics	
10117496	Cap Frame Replacement Slot Adapters	<ul style="list-style-type: none"> • For use with V-Gard Frames for Slotted Caps • Sold in boxes of 5 (5 packages of 1 pair) 	
10225804	Hat Frame Replacement Slot Adapters	<ul style="list-style-type: none"> • For use with V-Gard Frames for Slotted Hats • Sold in boxes of 5 (5 packages of 1 pair) • Hat Frame Replacement Slot Adapter is marked with an "H" (see inset image) 	 
10116539	Debris Control for V-Gard Frames	<ul style="list-style-type: none"> • Debris control exceeds EN requirements for molten metal • All-rubber construction • Minimum order quantity: 10 	
10117495	Heavy-duty Rubber Strap	<ul style="list-style-type: none"> • For V-Gard Universal Cap or Hat Frames • Minimum order quantity: 10 	

¹ 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.

² 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.



V-Gard® Accessory System: V-Gard Winter Liners



Knit Cap

Knit Cap/Hat Cover

Flame-Resistant Liner

V-GARD WINTER LINERS

Part No.	Product Name	Product Specifics
10118417	V-Gard Winter Liner, Knit Cap • Sold in sets of 12	<ul style="list-style-type: none"> • Stylish skullie cap • Design prevents liner from obstructing vision • 100% high bulk acrylic
10118418	V-Gard Winter Liner, Knit Hat/Cap Cover • Sold in sets of 12	<ul style="list-style-type: none"> • 100% acrylic • Bright yellow-green for greater visibility • Full face tube mounts under or over brim of MSA caps or hats, covering ears, mouth, cheeks and neck • Extended nape and wraparound collar for tucking into coat/shirt
10118427	V-Gard Supreme Winter Liner, Flame-Resistant 2-piece • Sold in sets of 12	<ul style="list-style-type: none"> • Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm² • Water repellant • Inside neck pocket holds warming packet² • Multi-layered flame-resistant top cap • Extended, zipper on/off high-bulk flame-resistant knit bottom • No metal parts



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.³ For this reason, only V-Gard Supreme Liner offers resistance to arc exposure.

Hard Hat Accessories

HEAD PROTECTION & PPE STORAGE & CARRY BAG

Part No.	Product Name	Product Specifics
10228677	Drawstring Storage Bag 1-pack	• For head protection equipment and PPE storage and transport
10228298	Drawstring Storage Bag 4-pack	



UNIVERSAL 4-POINT CHINSTRAP

Part No.	Product Name
GA90047	Universal 4-Point Chinstrap

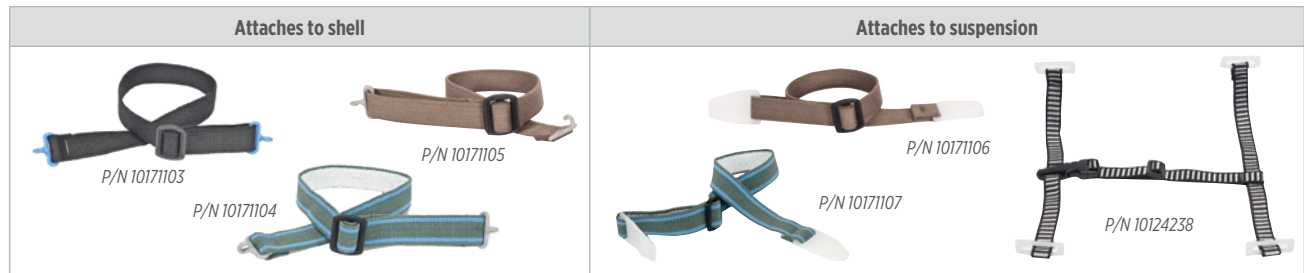


¹ Use only genuine MSA V-Gard Accessory System replacement parts to help ensure compatibility and compliance. MSA does not warrant, guarantee, or promote the use of components manufactured by other companies when used in conjunction with MSA products.

² Warming packets available at most sporting goods retailers; not sold with liners.

³ Garment care instructions must be followed.

Hard Hat Accessories



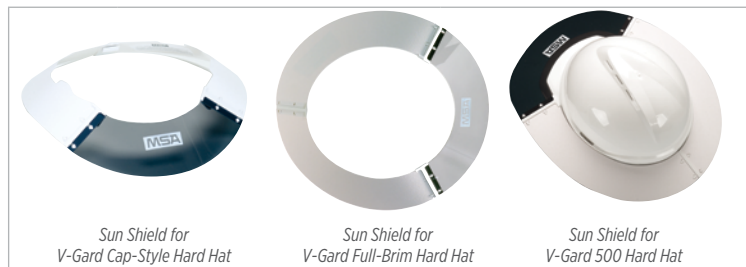
STANDARD CHINSTRAPS

Part No.	Product Name	Description	Webbing	Attachment Point
10171103 ¹	2-Point Chinstrap	Flexible, non-metal chinstrap; adjustable	¾" Nomex webbing	Attaches to shell
10171104	2-Point Chinstrap	Flexible, non-metal chinstrap; adjustable	¾" polyester webbing	Attaches to shell
10171105	2-Point Chinstrap	Flexible, non-metal chinstrap; adjustable	¾" cotton webbing	Attaches to shell
10171106	2-Point Chinstrap	Flexible, non-metal chinstrap; adjustable	¾" cotton webbing	Attaches to suspension ²
10171107	2-Point Chinstrap	Flexible, non-metal chinstrap; adjustable	¾" polyester webbing	Attaches to suspension ²
10124238	4-Point Chinstrap (pkg/10)	Flexible, non-metal chinstrap; adjustable	¾" polyester webbing	Attaches to suspension ²



SUNSHADE HARD HAT ACCESSORIES

Part No.	Product Name	Product Specifics
10098032 	SunShade Hard Hat Accessory Yellow-green, with reflective striping	<ul style="list-style-type: none"> Fit most hats and caps Breathable, bright mesh fabric Hat clips help to keep SunShade from falling or rotating Minimum order quantity: 5
10098031 	SunShade Hard Hat Accessory Orange, with reflective striping	



SUN SHIELDS

Part No.	Product Name	Product Specifics
697290	Sun Shield for standard V-Gard Cap-Style Hard Hats only	<ul style="list-style-type: none"> Easily attaches to helmets and caps Polyurethane brim extender protects against sun and heat Smoke-tinted Lexan front for extra protection
697410 	Sun Shield for standard V-Gard Full-Brim Hard Hats only	
10039114	Sun Shield for standard V-Gard 500 Cap-Style Hard Hats only	

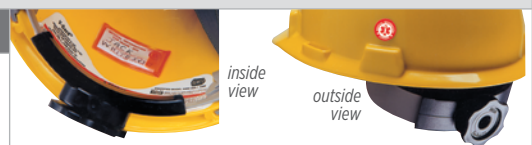
HARD HAT SWEATBAND

Part No.	Product Name	Product Specifics
696688	Terri-Band Sweatband Gray, pkg/10	<ul style="list-style-type: none"> Custom design fits all MSA suspensions Washable, with plastic snaps
10068911	Terri-Band Sweatband Gray, single	



MISCELLANEOUS ACCESSORIES

Part No.	Product Name	Product Specifics
10013393	Emergency Medical Information Accessory (pkg/10)	<ul style="list-style-type: none"> Provides crucial, lifesaving information in the event of a medical crisis on the job Trilingual: English/Spanish/French
804358	In-Service Label	<ul style="list-style-type: none"> To track shell's service life, affix label inside helmet with date of helmet's first use MSA recommended replacement: shell every 5 years/suspension every 12 months



¹For elevated temperatures; flame-resistant. Not recommended for use where molten metal splash hazards exist.
²Staz-On suspension only.

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
SUPER-V CAP	23	B	28	AL	30	AL

NRR and CSA Class Ratings for V-Gard Hearing Protection

	LOW		MEDIUM		HIGH	
	NRR	CSA Class	NRR	CSA Class	NRR	CSA Class
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 HI HELMET	coming soon					

V-GARD CAP-MOUNTED HEARING PROTECTION

PRODUCT NAME	V-Gard		V-Gard
ATTENUATION LEVEL	LOW		HIGH
PART NO.	10190356		10190357

PRODUCT NAME	Hygiene Kit	Hygiene Kit	Hygiene Kit
PART NO.	10193450	10193451	10193452
PRODUCT SPECIFICS	for V-Gard Cap-Mounted Hearing Protection, LOW	for V-Gard Cap-Mounted Hearing Protection, MEDIUM	for V-Gard Cap-Mounted Hearing Protection, HIGH

¹ https://www.osha.gov/dts/osta/otm/noise/hcp/attenuation_estimation.html



DID YOU HEAR?

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 Attenuation¹:

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!

SoundControl® Classic Helmet-Mounted Hearing Protection

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 hard hats, as indicated in chart below

SOUNDCONTROL CLASSIC HELMET-MOUNTED HEARING PROTECTION

				
PRODUCT NAME	Sound Blocker™ 26	Soprano™	SoundControl SH	Hygiene Kit
PART NO.	10022021	10034487	10129327	10003360
PRODUCT SPECIFICS	<p>For use with MSA non-slotted cap-style hard hats</p> <ul style="list-style-type: none"> • Requires drilling into the helmet to mount the muffs • The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C 	<p>For use with MSA non-slotted full-brim hard hats</p> <ul style="list-style-type: none"> • Requires drilling into the helmet to mount the muffs • The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C 	<p>For use with MSA slotted full-brim hard hats</p>	<ul style="list-style-type: none"> • Foam cushions and inserts • Works with Sound Blocker 26 and SoundControl SH hearing protection



DID YOU HEAR?

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.

Headbands: 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

left/RIGHT HEARING PROTECTION

			
PRODUCT NAME	left/RIGHT (HIGH)	left/RIGHT (MEDIUM)	left/RIGHT (LOW)
PART NO.	 10087399	 10087426	10087436
PRODUCT SPECIFICS	•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 SPECIFICS	•Cushions and inserts •Work with left/RIGHT helmet-mounted or headband products		



DID YOU HEAR?

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.



Headbands: 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: Meet ANSI S3.19-1974 and CSA Class A Standards

SOUNDCONTROL CLASSIC HEARING PROTECTION		
PRODUCT NAME	SoundControl HPE	SoundControl EXC
PART NO.	10061271	10061229
NRR	26 dBA	24 dBA
PRODUCT SPECIFICS	<ul style="list-style-type: none"> •Lightweight, low-profile •High attenuation and excellent sealing for reliable protection •Headband design and 2-point cup mounting distributes weight evenly, offering outstanding balance and comfort •No metal parts •Cups can be moved to various wearing positions for custom fit 	<ul style="list-style-type: none"> •Unique injection-molded inserts provide excellent attenuation and maximum ear space •Medium attenuation for moderate high noise exposures •3 distinct wearing positions •Cups can be moved to a range of wearing positions for custom fit

PRODUCT NAME	HPE Hygiene Kit
PART NO.	10061291
PRODUCT SPECIFICS	•Foam cushions and inserts

PRODUCT NAME	EXC Hygiene Kit
PART NO.	10061292
PRODUCT SPECIFICS	•Foam cushions and inserts

Economuff™ Earmuff Value Hearing Protection

Economuff Earmuff hearing protectors provide cost-effective options that don't sacrifice comfort or protection.

Markets: Repair and operation (MRO), mining, food and beverage manufacturing, metal fabrication, oil and gas, general manufacturing
Applications: Facility maintenance, grinding, machine operations, sanding, welding, demolition, painting, assembly, cleaning
Standards: Meet ANSI S3.19-1974 and CSA Class B Standards
Compatible PPE: MSA helmets¹

ECONOMUFF HEARING PROTECTION		
PRODUCT NAME	Economuff Multi-Position	Economuff
PART NO.	10061273	10004291
NRR	23 dBA (under chin/behind head) 24 dBA (over the head)	20 dBA
PRODUCT SPECIFICS	<ul style="list-style-type: none"> •Offers 3 positions: under the chin, behind the head or over the head •Under the chin or behind the head positions allow use of head protection •Durable design for use in tough environments •No metal parts •Padded headband makes longer wear possible •1 size fits most 	<ul style="list-style-type: none"> •Soft wide cushions maintain comfortable pressure around ears •Lightweight •1 size fits most •No metal parts •Most economical option

¹Economuff Earmuff multi-position worn in behind-the-head or under-the-chin positions only.

Sightgard® Safety Glasses

Material: Polycarbonate

Standards: 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"> Impact-rated (Z87+) Tuff Stuff™ Anti-Scratch Coating 	<ul style="list-style-type: none"> Clear lens Frameless and lightweight Among our most popular models Full side coverage

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

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


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


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


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"> Impact-rated (Z87+) Tuff Stuff Anti-Scratch Coating Anti-fog coating 	<ul style="list-style-type: none"> Clear lens Rubber tipped temples and nosebridge for comfortable, yet secure fit

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

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

¹ CSA International certified models are denoted with a  symbol.





Sightgard® Safety Glasses

Material: Polycarbonate

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

Certification: Third-party by ICS and CSA International

Minimum Order Qty: 12

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

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

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

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

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



Outdoor

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

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

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

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

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

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

¹ CSA International certified models are denoted with a  symbol.

Sightgard® Safety Glasses

Material: Polycarbonate

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


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

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

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


 **DID YOU KNOW?**


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**.

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

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

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

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

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"> Impact-rated (Z87+) 	<ul style="list-style-type: none"> Clear lens Classic look fits over most Rx glasses Integral, vented side shields

¹ CSA International certified models are denoted with a  symbol.



Sightgard® Safety Glasses

Material: Polycarbonate

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


Certification: Third-party by ICS and CSA International


Minimum Order Qty: 12

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"> Impact-rated (Z87+) Tuff Stuff Anti-Scratch Coating 	<ul style="list-style-type: none"> Amber lens increases contrast in low light Temples flex for a custom fit Full side coverage

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

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"> Impact-rated (Z87+) 	<ul style="list-style-type: none"> Classic look with Infrared (IR) radiation eye protection, up to Shade 5 Fits over most Rx glasses Integral, vented side shields

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.	
<p>10068832 1.5 bifocal magnification</p> <p>10065847 2.0 bifocal magnification</p>	
SAFETY FEATURES	STYLING
<ul style="list-style-type: none"> Impact-rated (Z87+) Anti-fog coating 	<ul style="list-style-type: none"> Clear lenses Full side protection Dual-injected soft-tipped temples

¹ CSA International certified models are denoted with a  symbol.



Sightgard® Safety Goggles

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

Standards: 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	PRODUCT SPECIFICS
<ul style="list-style-type: none"> Impact-rated (Z87+) Splash-rated (D3) Anti-fog coating Tuff Stuff Anti-Scratch Coating 	<ul style="list-style-type: none"> Non-vented for tighter seal Minimum order quantity: 12

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

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

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

¹ CSA International certified models are denoted with a  symbol.

 **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.

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
10029693	Safety Goggles, Clearvue 200, Clear	DEHP (di-(2-ethylhexyl)phthalate	Carcinogen & Reproductive

Sightgard® Safety Goggles







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


Certification: Third-party by ICS and CSA International

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

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

Eyewear and Goggle Accessories

					
PRODUCT NAME	Goggle Retainer		Deluxe Eyewear Lanyard	Fogpruf™ Cleaner Refill	Towelettes
PART NO.	 459458 for caps  449895 for hats		10020871	13016	10022087
PRODUCT SPECIFICS	<ul style="list-style-type: none"> Sturdy neoprene-rubber accessory Can be used with any protective cap or hat Retains goggle on headwear when not in use Holds goggle securely when worn for eye protection. <p>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.</p>		<ul style="list-style-type: none"> Holds eyewear securely Lanyard strap slides over temple Pkg of 12 	<ul style="list-style-type: none"> 4 oz. bottle 	<ul style="list-style-type: none"> Pre-moistened Box of 100

¹ CSA International certified models are denoted with a  symbol.



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.

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



MSA—The Safety Company

Established in 1914, MSA Safety Incorporated is the global leader in the development, manufacture, and supply of safety products that protect people and facility infrastructures. Many MSA products integrate a combination of electronics, mechanical systems, and advanced materials to protect users against hazardous or life-threatening situations. The company's comprehensive product line is used by workers around the world in a broad range of markets, including the oil, gas, and petrochemical industry, the fire service, the construction industry, mining, and the military. MSA's core products include self-contained breathing apparatus, fixed gas and flame detection systems, portable gas detection instruments, industrial head protection products, firefighter helmets and protective apparel, and fall protection devices. With 2023 revenues of \$1.8 billion, MSA Safety is headquartered in Cranberry Township, Pennsylvania and employs a team of over 5,000 associates across its more than 40 international locations. For more information visit MSA's web site at www.MSAsafety.com.

Our Mission

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 is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

MSA operates in over 40 countries worldwide. To find an MSA office near you, please visit MSAsafety.com/offices.