MSA
The Safety Company

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 – 7⅛); 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.

MSA The Safety Company

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 *w/yellow-green stripe*[2]	—	10102195	10102193
HI-VIZ YELLOW-GREEN *w/red-orange stripe*[2]	—	10102234	10102233
HI-VIZ YELLOW-GREEN *w/silver stripe*[2]	—	10102196	10102194
WHITE *w/lamp bracket and cord holder (Class C)*	460018	—	—
WHITE *w/American Flag*	474159	—	—
WHITE *w/Swing-Ratchet Suspension*	10004689	—	—



V-Gard w/Lamp Bracket and Cord Holder



V-Gard w/Swing-Ratchet Suspension

[1]*Certified to CSA.*

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

V-Gard® Full-Brim Hard Hats

STANDARD V-GARD FULL-BRIM HATS				
Color		w/ Staz-On Suspension	w/ 1 Touch Suspension[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 CO_2 from the atmosphere, according to the GHDPE material supplier.

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

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

V-Gard® H1 Safety Helmets

The V-Gard H1 Safety Helmet and accessories provide exceptional comfort and ease of use in a stylish low-profile design. A complete above-the-neck platform for all applications.

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



V-Gard H1 Safety Helmet (novent)



V-Gard H1 Safety Helmet (trivent)



V-Gard H1 Safety Helmet (bivent)

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

NEW!

MSA The Safety Company

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	• 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	• ANSI/ISEA Z87.1-2015 • CSA Z94.3 • EN 166	
10194819	**V-Gard H1/H2 Mesh/Forestry Face Shield**	Mesh	• 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	• ANSI/ISEA Z87.1-2015 • EN 1731	
10194820	**V-Gard H1/H2 Half-Face Spectacles**	Clear	• 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	• ANSI/ISEA Z87.1-2015 • CSA Z94.3 • EN 166	
10217333	**V-Gard H1/H2 Shaded Half-Face Spectacles**	Shaded	• 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	• ANSI/ISEA Z87.1-2020 • CSA Z94.3 • EN 166	
10220915	**V-Gard H1 FR (Flame-Retardant) Chinstrap**	—	*For use with the V-Gard H1 Novent Safety Helmet* • 4-point FR chinstrap with multiple adjustment points for customized fit and comfort • Made from flame resistent Kevlar® fabric • Convenient rescue whistle integrated into the color-coded chinstrap buckle	• NFPA 1971, Sections 7.4.10 (ASTM D6413/ D6413M) and 7.4.11 (ASTM F2894/F2894M)	
10236392 **10235987** **10236393**	**V-Gard H1 Visor Frame, *without* debris control** **V-Gard H1 Visor Frame, *with* debris control** **Debris Control for V-Gard H1 Visor Frame (replacement)**	Black	*For use with V-Gard H1 Safety Helmets* • Made from high-density polyethylene and polycarbonate • Ideal for confined space, working at heights, turnarounds & plant maintenance, search & rescue	• ANSI/ISEA Z87.1-2015 • CSA Z94.3	

V-GARD H1 SAFETY HELMET ACCESSORIES

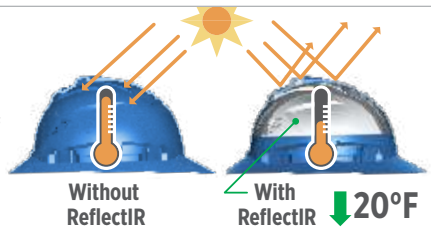
Part No.	V-Gard H1 Replacement Parts
10194760	V-Gard H1 Replacement Suspension Assembly, Fas-Trac III Pivot
10194761	V-Gard H1 Replacement Sweatband, Fas-Trac III Pivot, 3-pack
10194765	V-Gard H1 Replacement Chin Strap, Trivent
10194766	V-Gard H1 Replacement Chin Strap, Novent/Bivent

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) cooler[1], reducing the risk of heat stress.



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



- **Premium moisture-wicking sweat band** pulls sweat away from the head allowing it to evaporate into the air, while breathable foam padding keeps you dry and comfortable. Can be easily removed for laundering or replacement.
- **Full brim on the V-Gard C1 Hard Hat** offers 12% more coverage[2], providing additional shade while protecting you from harmful UV rays. Unique textured brim provides added grip when donning and doffing the hard hat.





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		*Custom color options available.*	

SPECIFICATIONS	Non-Vented	Vented
STANDARDS COMPLIANCE	ANSI/ISEA Z89.1-2014 (R2019) CSA Z94.1-15	
OPTIONAL REQUIREMENTS (ANSI)	LT (Low Temp) HT High Temp Reverse Donning 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



[1]*Compared to a hard hat without the ReflectIR Thermal Barrier in sunny conditions; testing done with black, non-vented, V-Gard C1 Hard Hats.*
[2]*Compared to a full-brim V-Gard or V-Gard 500 Hard Hat.*
[3]*V-Gard Cap/Hat meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.*

Helmet Customization For 30+ Years

Practice makes *perfect* logos

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

Our Process

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

Delivery

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

Minimum Order Quantities (MOQ)

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

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

Pricing

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

Striping

Add any of 27+ different reflective and retro-reflective stripes to your hard hat. MSA reflective stripes help enhance the visibility of workers in daytime conditions, while retro-reflective stripes[3] 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 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.

[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)*

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 actualnumbers in the email, as colors sometimes don't transmit properly through email. For example, MSA's logo is green, but specifically, the color of our brand logo is PMS 355.
3. Provide all linked graphics and fonts (see "Font Submission")

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

Did you know?

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

The "Try-It" Sample Program

The "Try It" sample program offers some of the most popular MSA head, eye, face and hearing protection products, including V-Gard Helmets, V-Gard Accessories, left/RIGHT Hearing Protection, and Sightgard® Eyewear —completely FREE of charge! Look for the TRY IT! 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.MSAsafety.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 TRY IT!	10061123 TRY IT!	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 TRY IT!	10061127	—	816648
THERMALGARD CAP (STANDARD)	10153384 TRY IT!	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	—

[1]*Swing ratchet size is 6½ through 7⅝*

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

	Part No.	Product Specifics
	10153518 TRY IT!	• 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.

TRY IT!

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 TRY IT! 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
Application..... General purpose
Shell Material..... Polyethylene with thermoformed graphics
Styles..... Slotted cap;
Slotted full-brim hat (Freedom Series only)

Suspension..... Fas-Trac III
Sizes..... Standard (6½ – 8)
Standards..... ANSI/ISEA Z89.1-2014 (Class E);
CSA Z94.1-2015 (Class E)
Certification..... Third-party by SEI

AMERICAN FREEDOM SERIES ASSEMBLIES



American Stars and Stripes
V-Gard Slotted Cap
Part No. **10052945**



American Stars and Stripes
V-Gard Slotted Hat
Part No. **10071157**



American Flag w/2 Eagles
V-Gard Slotted Cap
Part No. **10052947**



American Flag w/2 Eagles
V-Gard Slotted Hat
Part No. **10071159**



Camouflage
V-Gard Slotted Cap
Part No. **10103908**



Camouflage
V-Gard Slotted Hat
Part No. **10104254**



American Eagle
V-Gard Slotted Cap
Part No. **10079479**



Dual American Flag
V-Gard Slotted Cap
Part No. **10050611**

CANADIAN FREEDOM SERIES ASSEMBLIES



White w/Red Maple Leaf
V-Gard Slotted Cap
Part No. **10050613**



White w/Red Maple Leaf
V-Gard Slotted Hat
Part No. **10082234**



Black w/Red Maple Leaf
V-Gard Slotted Cap
Part No. **10082233**



Black w/Red Maple Leaf
V-Gard Slotted Hat
Part No. **10082235**

Camouflage w/Canadian Flag on front[1]
V-Gard Slotted Cap
Part No. **10104925**

SPECIALTY V-GARD ASSEMBLIES



Rally Cap
V-Gard Slotted Cap
Part No. **10101535**



Metallic Gold
V-Gard Slotted Cap
Part No. **10101854**



Black Fire
V-Gard Slotted Cap
Part No. **10092015**

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

[1]*Not pictured*
[2]*Extreme Hi-Viz Cap meets high-visibility requirements of ANSI/ISEA 107.*

Hydro Dip V-Gard® Hard Hats

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

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



White w/lamp bracket

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

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

[2] *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, 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

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

[2]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, 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

Classification.....Type I
Application.....General purpose; elevated temperature[1]
Shell Material.....Phenolic
Styles.....Non-slotted cap; full-brim hat
Sizes.....***Cap:*** Standard (6½ – 8); Small (6 – 7⅛); Large (7 – 8½)
Hat: 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	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]
	—	482002	With welder's lugs, natural tan[3]
SKULLGARD HAT	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

Classification.....Type II (ANSI and CSA)
Application.....Lateral protection
Shell Material.....Polyethylene
Styles.....Slotted cap w/foam liner
Sizes.....Standard (6½ – 7⅜)
Standards.....ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2015 (Class E)
Certification.....Third-party by SEI



Color	w/Fas-Trac III Suspension
SUPER V ASSEMBLIES	
WHITE	C217091 TRY IT!
YELLOW	C217093 TRY IT!
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)

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

V-Gard® 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** • Add and remove accessories[1] • Quicker visor installation and removal • Green color coded parts **Built to Last** • Infinity joints • Universal strap • Debris control **Reducing Complexity** • Designed to work with all MSA V-Gard cap-style hard hats	
10187162	Without debris control	**Easy to Use** • Add and remove accessories[1] • Quicker visor installation and removal • Green color coded parts **Built to Last** • Infinity joints • Universal strap **Reducing Complexity** • 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

Standards[2]: 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	• Fits all MSA Slotted Caps • Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs[3] • Sliding adjustment bladesallow visor to work with most half-mask respirators and other PPE worn under a visor	
10121266	High density polyethylene (HDPE)	Debris control sold separately	• Fits all MSA Slotted Caps[4] • Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs[3] • 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.

[1]MSA does not recommend the use of the V-Gard Universal Frame with the MSA SmoothDome when using cap-mounted muffs and large V-Gard molded Visors. The V-Gard Frame for Slotted Caps should be worn with this particular combination.
[2]Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.
[3]Patent pending
[4]MSA 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

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

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

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

Standards[1]**:** 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	
10115821	Polycarbonate — all non-metal construction	Replaceable debris control tested against EN 166 hot solids requirements	•Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs[2] •Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor	
10121267	Polycarbonate — all non-metal construction	Debris control sold separately[3]	•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	
10116552	Polycarbonate — all non-metal construction	Replaceable debris control tested against EN 166 hot solids requirements	•Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models[4] •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

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

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

Standards[1]**:** 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	
10116627	High density polyethylene (HDPE)	Offered without debris control ONLY	•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

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

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

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

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

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

Min Order Qty: 10

Part No.	Material	Debris Control	Product Specifics	
10116628	Polycarbonate — all non-metal construction	Offered without debris control ONLY	•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	

[1]Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.
[2]Patent pending
[3]MSA recommends the use of debris control on V-Gard frames when wearing BOTH large V-Gard molded Visors and cap-mounted earmuffs.
[4]MSA does not recommend the use of the V-Gard Universal Frame with the MSA SmoothDome when using cap-mounted muffs and large V-Gard molded Visors. The V-Gard Frame for Slotted Caps should be worn with this particular combination.

V-Gard® Accessory System: V-Gard® Frames for 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

Standards[1]: 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	•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	•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

Standards[1]: 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	• 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	• 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	• 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.

[1]Standards requirements met by each V-Gard Frame/V-Gard Visor combination designated on each V-Gard Visor.
[2]Patent pending

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

Standards[1]: 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		
10144486	**Material** Polycarbonate — clear	• 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 CSA[2] standards; does not meet EN standards ■ **Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors**	
10115836	**Material** Polycarbonate — clear	• 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	
10115837	**Material** Polycarbonate — clear	• 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**	
10120108	**Material** Polycarbonate — clear	• 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	
10115863	**Material** Polycarbonate — clear	• 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	
10115839	**Material** Polycarbonate with antifog/anti-scratch coatings for humid conditions — clear	• 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	
10115841	**Material** Polycarbonate with antifog/anti-scratch coatings for humid conditions — clear	• 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**	
10115842	**Material** Polycarbonate with antifog/anti-scratch coatings for humid conditions — green tint to reduce glare	• 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**	

[1]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

Standards[1]: 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	• 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	• 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

Standards[1]: 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	• 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	• 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	• 8" (20.3 cm) x 16.5" (41.9 cm) • Not for use against splash, impact, electrical or UV hazards	

[1]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: 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[1]: 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	•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 *Chemical Application Quick Reference Guide* (ID 0670-007-MC) for chemical performance details	
10115856	**Material** Propionate — clear	•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 *Chemical Application Quick Reference Guide* (ID 0670-007-MC) for chemical performance details	
10115851	**Material** Propionate — clear	•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 *Chemical Application Quick Reference Guide* (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[1]: ANSI/ISEA Z87.1-2015; EN 166 (2C-1.2 MSA IBT9KN); CSA Z94.3 and AS/NZS 1337
Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.
Min Order Qty: 5

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	•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 *Chemical Application Quick Reference Guide* (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	•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.

[1]*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: ELEVATED TEMPERATURE

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

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

Standards[1]: 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	• 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	• 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

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

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

Min Order Qty: 5

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	• 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	• 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**	

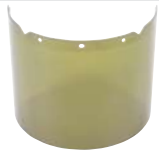
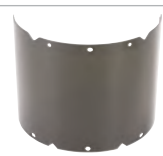
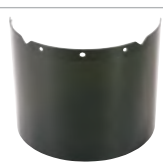
NOTE: Reflective-coated visors offer protection from irradiance, or the electromagnetic radiation (EMR) energy created in elevated temperature environments. V-Gard Reflective Coated Visors offer an EN166 "R" mark. This means they have been certified to reflect >60% Infrared (IR) radiation in the 780 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 MSAsafety.com.

[1]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: 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
Min Order Qty: 5

Part No.	Product Specifics			
	Impact-rated (Z87+)			
10115859	**Material** Polycarbonate — Shade 3 IR	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3 · EN 166 · AS/NZS 1337	• 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	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3 · EN 166 · AS/NZS 1337	• 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	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3 · EN 166 · AS/NZS 1337	• 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	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3 · EN 166 · AS/NZS 1337	• 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	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3	• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • For welding, cutting and brazing applications • Thick and molded to protect against damage from impact, elevated temperatures, weld spatter and infrared (IR) radiation. • Ideal for autogenous welding, metal pouring, gas soldering and light cutting/brazing, they're engineered for heavy-duty use.	
10246714	**Material** Polycarbonate — Shade 10 IR	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3	• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • For welding, cutting and brazing applications • Thick and molded to protect against damage from impact, elevated temperatures, weld spatter and infrared (IR) radiation. • Ideal for autogenous welding, metal pouring, gas soldering and light cutting/brazing, they're engineered for heavy-duty use.	
10246715	**Material** Polycarbonate — Shade 12 IR	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3	• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • For welding, cutting and brazing applications • Thick and molded to protect against damage from impact, elevated temperatures, weld spatter and infrared (IR) radiation. • Ideal for autogenous welding, metal pouring, gas soldering and light cutting/brazing, they're engineered for heavy-duty use.	
10246716	**Material** Polycarbonate — Shade 14 IR	**Standards**[1] · ANSI/ISEA Z87.1 · CSA Z94.3	• 8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm) • For welding, cutting and brazing applications • Thick and molded to protect against damage from impact, elevated temperatures, weld spatter and infrared (IR) radiation. • Ideal for autogenous welding, metal pouring, gas soldering and light cutting/brazing, they're engineered for heavy-duty use.	

[1]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: ARC FLASH APPLICATION[1]			
Markets: Manufacturing, utilities, construction, oil/gas/ petrochemical **Applications:** Maintenance, impact and debris, testing/repair		**Standards[2]:** ANSI/ISEA Z87.1-2015; ASTM F2178-2008 (Ref: NFPA 70E, HRC 2) **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**	• 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) *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*	
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) • 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) *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*	

V-Gard® Accessory System: V-Gard® Chin Protectors[3]

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 TRY IT!	**Retractable Chin Protector**	Polycarbonate – opaque (ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors)	• 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 TRY IT!	**Chin Protector**	Polycarbonate – clear (for improved visibility)	• 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)	• 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)

Sandards[2]: 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	• 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 • Minumum order quantity: 10	
10127062	**V-Gard Headgear — Elevated Temperature** **Material:** Heat-resistant nylon — gray	• Extended browguard for additional coverage in high temperatures • Tested to withstand temperatures up to 400 °F[3] • 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 • Minumum order quantity: 5	
10127063	**V-Gard Headgear Kit — General Purpose**	***Kit Contains:*** • 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 Sweatband[4]**	• 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)	

[1] **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.*

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

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

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

V-Gard® 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:*** • 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:*** • 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:*** • 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:*** • 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/cm^2 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 Parts[2]

V-GARD ACCESSORY SYSTEM REPLACEMENT PARTS			
Part No.	**Product Name**	**Product Specifics**	
10117496	**Cap Frame Replacement Slot Adapters**	• 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**	• 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**	• Debris control exceeds EN requirements for molten metal • All-rubber construction • Minimum order quantity: 10	
10117495	**Heavy-duty Rubber Strap**	• 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	• Stylish skullie cap • Design prevents liner from obstructing vision • 100% high bulk acrylicl
10118418	**V-Gard Winter Liner, Knit Hat/Cap Cover** • Sold in sets of 12	• 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 Flame Resistant	**V-Gard Supreme Winter Liner, Flame-Resistant 2-piece** • Sold in sets of 12	• Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm^2 • Water repellant • Inside neck pocket holds warming packet[2] • 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

Attaches to shell	Attaches to suspension
	

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 TRY IT!	**SunShade Hard Hat Accessory** Yellow-green, with reflective striping	• Fit most hats and caps • Breathable, bright mesh fabric • Hat clips help to keep SunShade from falling or rotating • Minumum order quantity: 5
10098031 TRY IT!	**SunShade Hard Hat Accessory** Orange, with reflective striping	



Sun Shield for V-Gard Cap-Style Hard Hat | *Sun Shield for V-Gard Full-Brim Hard Hat* | *Sun Shield for V-Gard 500 Hard Hat*

SUN SHIELDS

Part No.	Product Name	Product Specifics
697290	**Sun Shield for standard V-Gard Cap-Style Hard Hats *only***	• Easily attaches to helmets and caps • Polyurethane brim extender protects against sun and heat • Smoke-tinted Lexan front for extra protection
697410 TRY IT!	**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	• 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)	• Provides crucial, lifesaving information in the event of a medical crisis on the job • Trilingual: English/Spanish/French
804358	**In-Service Label**	• 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



inside view



outside view



[1]*For elevated temperatures; flame-resistant. Not recommended for use where molten metal splash hazards exist.*
[2]*Staz-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 H1 HELMET	*coming soon*					

V-GARD CAP-MOUNTED HEARING PROTECTION

			
PRODUCT NAME	V-Gard	V-Gard	V-Gard
ATTENUATION LEVEL	LOW	MEDIUM	HIGH
PART NO.	10190356	10190357	10190358

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 Attenuation[1]:

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	**For use with MSA non-slotted cap-style hard hats** • Requires drilling into the helmet to mount the muffs • The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C	**For use with MSA non-slotted full-brim hard hats** • Requires drilling into the helmet to mount the muffs • The ANSI/ISEA Z89.1 class rating of a drilled helmet is Class C	**For use with MSA slotted full-brim hard hats**	• 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.	TRY IT! **10087399**	TRY IT! **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	•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	•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 helmets[1]

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	•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	•Soft wide cushions maintain comfortable pressure around ears •Lightweight •1 size fits most •No metal parts • Most economical option

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

Sightgard® Safety Glasses

Material: Polycarbonate
Standards[1]: 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff™ Anti-Scratch Coating	• Clear lens • Frameless and lightweight • Among our most popular models • Full side coverage

INDOOR	
MODEL	
Discovery II	
PART NO.	
10106382 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+)	• Clear lens • Flexible, nylon temple arms adjust to head width • Soft nose bridge • Extra-lightweight

INDOOR	
MODEL	
Luxor	
PART NO.	
697516	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• Clear lens • Single wrap-style lens • Horizontal temple adjustment

INDOOR	
MODEL	
Sierra	
PART NO.	
697550	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• Clear lens • Classic full-coverage look • Adjustable temples • Integral side protection • Full side coverage

INDOOR	
MODEL	
Vista	
PART NO.	
10070914	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating • Anti-fog coating	• Clear lens • Rubber tipped temples and nosebridge for comfortable, yet secure fit

INDOOR/HUMID	
MODEL	
Aurora	
PART NO.	
10026005	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating • Anti-fog coating	• Clear lens • Ratchet temple adjustment • Single, 7-base wrap curve lens

INDOOR/HUMID	
MODEL	
Pyrenees	
PART NO.	
10033718	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-fog coating	• 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[1]: 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**
• Impact-rated (Z87+) • Anti-fog coating	• 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**
• Impact-rated (Z87+) • Anti-scratch coating • Anti-fog coating • Maximum UV protection (U6)	• 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**
• Impact-rated (Z87+) • Anti-fog coating • Maximum UV protection (U6)	• 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating • Maximum UV protection (U6)	• 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-scratch coating	• Gray tint lens • Temples flex for a custom fit • Full side coverage

OUTDOOR	
MODEL	
Arctic Elite	
PART NO.	
10038846 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-fog coating	• Gray tint lens • Rubber tipped temples and nosebridge for comfortable, yet secure fit

OUTDOOR	
MODEL	
Easy Flex	
PART NO.	
10070918 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• Gray tint lens • Temples flex for a custom fit

OUTDOOR	
MODEL	
Luxor	
PART NO.	
697517	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• 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[1]: 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 TRY IT!	
PART NO.	
10033719	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-fog coating	• 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Maximum UV protection (U6)	• 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**
• Impact-rated (Z87+) • Anti-scratch coating • Maximum UV protection (U6)	• 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**.

[1] *CSA International certified models are denoted with a symbol .*

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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Maximum UV protection (U6)	• 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 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Maximum UV protection (U6)	• Indoor/outdoor mirrored lens • For use over small-to-medium Rx glasses

OVER-THE-GLASSES	
MODEL	
Rx Overglasses	
PART NO.	
10118476 TRY IT!	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-fog coating	• 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**
• Impact-rated (Z87+)	• Clear lens • Classic look fits over most Rx glasses • Integral, vented side shields

Sightgard® Safety Glasses

Material: Polycarbonate
Standards[1]: 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**
• Impact-rated (Z87+) • Tuff Stuff Anti- Scratch Coating	• 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**
• Impact-rated (Z87+) • Anti-fog coating	• Amber lens increases contrast in low light • Full side protection • Dual-injected soft-tipped temples

Magnifiers

Markets: Facility safety, maintenance, repair and operations, overhaul, general industry, manufacturing, construction, metalworking, automotive
Applications: Fine assembly and detail work, drilling, grinding, machining, soldering, riveting, sanding

MAGNIFIERS	
MODEL	
Pyrenees MAG	
PART NO.	
10068832 1.5 bifocal magnification **10065847** 2.0 bifocal magnification	
SAFETY FEATURES	**STYLING**
• Impact-rated (Z87+) • Anti-fog coating	• Clear lenses • 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**
• Impact-rated (Z87+)	• Classic look with Infrared (IR) radiation eye protection, up to Shade 5 • Fits over most Rx glasses • Integral, vented side shields

[1] *CSA International certified models are denoted with a symbol .*

Sightgard® Safety Goggles

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

Standards[1]: 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 TRY IT!	

SAFETY FEATURES	PRODUCT SPECIFICS
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating • Tuff Stuff Anti-Scratch Coating	• Non-vented for tighter seal • Minimum order quantity: 12

SAFETY GOGGLES	
MODEL	
Sightgard iV	
PART NO.	
10106270 TRY IT!	

SAFETY FEATURES	PRODUCT SPECIFICS
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating • Tuff Stuff Anti-Scratch Coating	• Indirect-venting helps keep goggles fog-free • Minimum order quantity: 12

SAFETY GOGGLES	
MODEL	
Clearvue 200	
PART NO.	
10029693 TRY IT!	

SAFETY FEATURES	PRODUCT SPECIFICS
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating	• 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
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating	• 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[1]: 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
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating	• 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 TRY IT!	

SAFETY FEATURES	PRODUCT SPECIFICS
• Impact-rated (Z87+) • Splash-rated (D3) • Anti-fog coating anti-scratch coating on goggle lens	• 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.	TRY IT! 459458 for caps TRY IT! 449895 for hats	10020871	13016	10022087
PRODUCT SPECIFICS	• 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. **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.**	• Holds eyewear securely • Lanyard strap slides over temple • Pkg of 12	• 4 oz. bottle	• 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.

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