

# Above-The-Neck **Protection Solutions**

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




*Because every life has a **purpose...***

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

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

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

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



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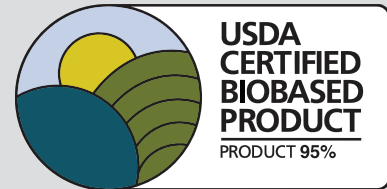
## V-Gard® GREEN Protective Hats and Caps

### The world's first hard hat made from renewable resources

V-Gard GREEN helmets offer the same trusted look and quality customers expect from their MSA V-Gard helmets. The V-Gard GREEN helmets are made with renewable green high-density polyethylene (GHDPE), while traditional V-Gard helmets are made using standard HDPE production methods. The test results for V-Gard GREEN helmet shells indicate biobased content of 95%.



- Classification:** Type I
- Market(s):** General industry, manufacturing, repair and maintenance, construction, oil and gas, shipbuilding, automotive, mining
- Application:** General purpose
- Shell Material:** Green high-density polyethylene (GHDPE)
- Available Styles:** Slotted full brim hat with 4-point Fas-Trac III Suspension  
Slotted cap with 4-point Fas-Trac® III Suspension
- Sizes:** Standard (6-1/2" to 8")
- Standards:** ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2005 (Class E)
- Certification:** Third-party by SEI  
USDA Biobased Certified
- Customization:** Logos, striping and MSA accessories available



### V-Gard GREEN Full-Brim Hats



				
White	Yellow	Blue	Green	Red
10160923	10160924	10160925	10160926	10160927

### V-Gard GREEN Caps

				
White	Yellow	Blue	Green	Red
10150199	10150200	10150221	10150222	10150223



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

## V-Gard Protective Caps and Hats

**Classification:** Type I

**Application:** General purpose

**Shell Material:** Polyethylene

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

**Sizes:** **Cap:** Small (6 – 7½"); Standard (6½ – 8"); Large (7 – 8½") **Hat:** Standard (6½ – 8")

**Standards:** ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2005 (Class E)<sup>1</sup>

**Certification:** Third-party by SEI

**Customization:** Imprinting and striping available (see page 7)

**Replacement Suspensions:** See page 6



V-Gard Cap  
with Fas-Trac III  
Suspension

Color	Standard V-Gard Slotted Cap			V-Gard Slotted Full-Brim Hat				
		w/ Staz-On® Suspension	w/ 1-Touch® Suspension	w/ Fas-Trac®III Suspension		w/ Staz-On Suspension	w/ 1-Touch Suspension	w/ Fas-Trac III Suspension
WHITE		463942	10057441	475358		454733	10058321	475369
BLUE		463943	10057442	475359		454732	10058320	475368
YELLOW		463944	10057443	475360		454730	10058318	475366
ORANGE		463945	10057444	475361		454734	10058322	496075
RED		463947	10057446	475363		454736	10058324	475371
GREEN		463946	10057445	475362		454735	10058323	475370
GRAY		463948	10057447	475364		454731	10058319	475367
HI-VIZ® ORANGE <sup>2</sup>		488148	10057420	488146		489360	10058326	10021292
HI-VIZ YELLOW-GREEN <sup>2</sup>		—	10061514	10061512		—	10061516	10061515
BRIGHT LIME GREEN		815558	—	815565		815562	—	815570
DARK (CANADIAN) BLUE		—	—	802972		—	—	802975
HOT PINK		10155231	—	10155230		10156374	—	10156373

<sup>1</sup>All V-Gard Helmets are CSA certified when worn with Fas-Trac III Suspension. Medium sized V-Gard Helmets are also CSA certified with the 1-Touch Suspension.

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

<sup>3</sup>Hot Pink Helmets offered on the Try It Program have our special breast cancer logos.



## V-Gard Protective Caps and Hats *(continued from previous page)*

Color		Standard V-Gard Slotted Cap			V-Gard Slotted Full-Brim Hat	
		w/ Staz-On Suspension	w/ 1-Touch® Suspension <sup>1</sup>	w/ Fas-Trac III Suspension <sup>1</sup>	w/ Staz-On Suspension	w/ Fas-Trac III Suspension <sup>1</sup>
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	—	—
<b>SPECIAL V-GARD ASSEMBLIES</b>						
HI-VIZ ORANGE <i>w/Yellow-Green Stripe<sup>2</sup></i>		—	10102195	10102193	—	—
HI-VIZ YELLOW-GREEN <i>w/Red-Orange Stripe<sup>2</sup></i>		—	10102234	10102233	—	—
HI-VIZ YELLOW-GREEN <i>w/Silver Stripe<sup>2</sup></i>		—	10102196	10102194	—	—
WHITE <i>w/Lamp Bracket and Cord Holder (Class C)</i>		460018	—	—	460069	815009
WHITE <i>w/American Flag</i>		474159	—	—	—	—
<b>V-GARD ASSEMBLY WITH SWING-RATCHET SUSPENSION</b>						
WHITE		10004689	White standard-size V-Gard Cap, w/Swing-Ratchet Suspension			



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

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

## Replacement Suspensions for MSA Safety Helmets

### MSA Fas-Trac® III Suspension

Ensuring your workforce wears their safety helmets can be a real headache. MSA, the leading provider of protective helmets, has the perfect remedy: the Fas-Trac III Suspension. No more pressure headaches. No more pulled hair. No more falling off. No more sacrificing worker comfort for safety.

- 1 Sweatband fully covers the headband and worker's forehead.
- 2 Three levels of nape strap adjustment for customized fit.
- 3 Lower nape strap cradles the head. Retention is greatly improved—even when bending over!
- 4 Smooth ratchet rotation and secure hold.

Learn how the Fas-Trac III Suspension can relieve your headaches. Visit [MSAsafety.com/FasTrac](http://MSAsafety.com/FasTrac).



HELMET TYPE (SIZE)	SUSPENSION TYPE (4-point, unless otherwise noted)			
	Fast-Trac III	1-Touch	Staz-On	Swing Ratchet <sup>1</sup>
V-GARD CAP OR HAT (STANDARD)	10148708	10061123	10087218	816645
V-GARD CAP (SMALL)	10148706	—	467386	—
V-GARD CAP (LARGE)	10148707	—	492566	—
V-GARD 500 VENTED OR NON-VENTED (STANDARD)	10148708 (4-point) 10153382 (6-point)	—	—	—
SMOOTHDOME CAP (STANDARD)	10148708 (4-point) 10153382 (6-point)	—	—	—
TOPGARD CAP OR HAT (STANDARD)	10153384	10061127	—	816648
THERMALGARD CAP (STANDARD)	10153384	—	—	—
SKULLGARD CAP OR HAT (STANDARD)	10153385	10061128	454231	816654
SKULLGARD CAP (LARGE)	10126693	—	468096	—
SUPER-V CAP (STANDARD)	10126683	—	—	—
VANGUARD CAP (STANDARD)	10153386	—	—	—
COMFO-CAP (STANDARD)	10153385	10061128	454231	—

<sup>1</sup>Swing ratchet size is 6½" through 7½"

The new **Fas-Trac III sweatband** accessory helps keep workers cool and dry.

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

### ▲ WARNING

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

## Helmet Customization

**Put your reputation on ours: add your company logo, slogan or even a picture to your MSA helmet!**

MSA offers 14 different helmets (in up to 20 colors), 4 suspensions, 27+ striping options, 23 stock logos/slogans, and multiple logo locations for endless customized helmet possibilities! We've been logoing hard hats for more than 30 years—longer than anyone else in the business!

### Custom Logos

All logos are submitted to MSA Logo Express® Service design team by a MSA distributor. Logo Express Service artists then send an approval form that includes a FREE rendering of the selected hard hat. Once we receive written approval, we get started on the order!

### Striping

Add any of 27+ different reflective and retro-reflective stripes<sup>1</sup> to your helmet. MSA reflective stripes help enhance the visibility of workers in daytime conditions, while retro-reflective stripes 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 helmets.

### Minimum Order Quantities (MOQ)

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

- 20 for V-Gard, V-Gard 500, V-Gard GREEN, SmoothDome, Topgard and Comfo Cap Helmets
- 16 for Skullgard or Thermalgard Helmets
- 12 for Super-V and Vanguard Helmets
- 40 for Bump Caps



### Placing Customized Helmet Orders

In three easy steps, you can get your first order of new logos and/or striping:

1. Complete all sections on the MSA Logo Express Order Form (ID 0617-01 MC).
2. See "Artwork Guidelines" (ID 0617-06-MC) for details on artwork submission.
3. Submit an electronic file of your artwork by email (Logo.Express@msasafety.com) or by US Postal Service (MSA Logo Express, 3880 Meadowbrook Rd., Murrysville, PA 15668-1753). Be sure to include a copy of the completed Order Form with your artwork submission.




### Questions about Helmet Customization?

Contact your MSA distributor or MSA Logo Express.

**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

**You can also visit us on the web:**  
[us.msasafety.com/logoexpress](http://us.msasafety.com/logoexpress)  
**KEYWORD: Logo**



The "Try It" sample program offers 100+ leading MSA Head, Eye, Face and Hearing Protection products, including V-Gard Helmets, V-Gard Accessories, left/RIGHT earmuffs, and Sightgard® eyewear—completely FREE of charge! Look for the  that tells you which products are in the program.

<sup>1</sup>Most of our retro-reflective stripes meet the Type II requirements under ASTM D4956. ASTM D4956 is the specification for flexible, non-exposed glass bead lens and microprismatic, retroreflective sheeting designed for use on traffic control signs and other devices.

## Topgard® Protective Caps and Hats

- Classification:** Type I
- Application:** General purpose; elevated temperature<sup>1</sup>
- Shell Material:** Polycarbonate
- Available Styles:** Slotted Cap; Non-Slotted Full-Brim Hat
- Sizes:** Standard (6½ – 8")
- Standards:** ANSI/ISEA Z89.1-2014 (Class E); CSA Z94.1-2005 (Class E)
- Certification:** Third-party by SEI
- Customization:** Imprinting and striping available (*see page 7*)



**Replacement Suspensions:** See page 6

DESCRIPTION	Topgard Slotted Cap (standard size)			Topgard Non-Slotted Full-Brim Hat (standard size)		
		w/ 1-Touch Suspension	w/ Fas-Trac III Suspension		w/ 1-Touch Suspension	w/ Fas-Trac III Suspension
WHITE		454728	475385		454719	475393
YELLOW		454721	475378		454712	475387
GRAY		454722	475379		454713	—
BLUE		454723	475380		—	—
ORANGE		454725	475382		—	—
GREEN		454726	475383		—	—
RED		454727	475384		—	—
BRIGHT ORANGE		—	804396		—	804397
WHITE W/LAMP BRACKET AND CORD HOLDER		448914	—		—	—

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











## Skullgard® Protective Caps and Hats

- Classification:** Type I
- Application:** General purpose; elevated temperature<sup>1</sup>
- Shell Material:** Phenolic
- Available Styles:** Non-Slotted Cap and Full-Brim Hat
  - Sizes:** *Cap:* Standard (6½ – 8"); Large (7 – 8½") *Hat:* Standard (6½ – 8")
  - Standards:** ANSI/ISEA Z89.1-2014 (Class G)
  - Certification:** Third-party by SEI
  - Customization:** Imprinting and striping available (*see page 7*)



Skullgard, natural, with Fas-Trac III Suspension

**Replacement Suspensions:** See page 6

DESCRIPTION	Skullgard Cap (standard size)			Skullgard Full-Brim Hat (standard size)			
		w/ Staz-On Suspension	w/ Fas-Trac III Suspension	w/ Swing-Ratchet Suspension		w/ Staz-On Suspension	w/ Fas-Trac III Suspension
NATURAL TAN		454617	475395	816651		454664	475407
WHITE		454618	475396	—		454665	475408
YELLOW		454619	475397	—		454666	—
RED		454620	—	—		—	—
GREEN		454621	—	—		454668	—
GRAY		454622	—	—		—	—
BLUE		454623	—	—		—	—
ORANGE		454626	—	—		454673	—
HI-VIZ RED-ORANGE <sup>2</sup>		458702	—	—		—	—

DESCRIPTION	Skullgard Cap (standard size)		Skullgard Full-Brim Hat (standard size)
	w/ Staz-On Suspension	w/ Fas-Trac III Suspension	w/ Staz-On Suspension
NATURAL TAN W/LAMP BRACKET AND CORD HOLDER	460409	—	460389
NATURAL TAN W/ WELDER'S LUGS	—	482002	—

<sup>1</sup>Skullgard Caps and Hats have been tested to radiant heat loads producing temperatures up to, but not exceeding, 350°F.  
<sup>2</sup>Skullgard Cap meets the voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2009. Look for the official hi-visibility marking [HV] on the helmet's ANSI label.






# V-Gard Accessory System

The V-Gard Accessory System offers helmet-mounted frames for various work conditions and MSA helmets. The sloped design allows liquids, chips and other materials to slide off the frame and away from the line of sight. Most V-Gard System products meet the applicable requirements for ANSI/ISEA Z87.1, EN 166, CSA Z94.3, AS/NZS 1337, and many local standards, as noted.<sup>1</sup>

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

<b>Classification:</b>	General purpose
<b>Market(s):</b>	Oil, gas & petrochemical, manufacturing, repair and maintenance, construction, general industry, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Polybutylene terephthalate (PBT)
<b>Color(s):</b>	Black
<b>Available Styles:</b>	Frame for Slotted Full Brim Hats
<b>Size:</b>	Fits MSA Slotted Full Brim Hats
<b>Features:</b>	Offered with or without debris control
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	10

V-GARD FRAMES FOR GENERAL PURPOSES	Part No.	Product Specifics
	10154622	<ul style="list-style-type: none"> <li>Fits MSA Slotted Full Brim Hats</li> <li>Sold with replaceable debris control which creates tight seal between frame and hat</li> <li>Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost<sup>2</sup></li> </ul>
	10154604	<ul style="list-style-type: none"> <li>Fits MSA Slotted Full Brim Hats</li> <li>Debris control sold separately</li> <li>Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>Patented Infini-just allows lift/closure adjustment using grippable knobs that can't be lost<sup>2</sup></li> </ul>

DEBRIS CONTROL	Part No.	Product Specifics
	10155838	<ul style="list-style-type: none"> <li>Debris Control for V-Gard Slotted Full Brim Hat Frames</li> <li>Debris control exceeds EN requirements for molten metal</li> <li>All-rubber construction</li> <li>Min Order Qty: 10</li> </ul>

### WARNING




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

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




<sup>2</sup>US Patent No. 9,125,448

## V-Gard Accessory System: V-Gard Frames for MSA Full-Brim Helmets

<b>Classification:</b>	General purpose
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	High density polyethylene (HDPE)
<b>Color(s):</b>	Black
<b>Available Styles:</b>	Universal Frame
<b>Size:</b>	Fits MSA Full-Brim Safety Helmets
<b>Features:</b>	Offered without debris control ONLY
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; CSA Z94.3; and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD FRAME FOR FULL-BRIM HELMETS FOR GENERAL PURPOSE		Part No.	Product Specifics
		10116627 	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models</li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> </ul>

<b>Classification:</b>	Elevated temperature
<b>Market(s):</b>	Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels
<b>Application(s):</b>	Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Grey
<b>Available Styles:</b>	Universal Frame
<b>Size:</b>	Fits MSA Full-Brim Safety Helmets
<b>Features:</b>	Offered without debris control ONLY Tested to temperatures of 350°F (176.7°C), reducing warping, cracking or crazing All non-metal construction
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; CSA Z94.3; and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD FRAME FOR FULL-BRIM HELMETS FOR ELEVATED TEMPERATURE APPLICATIONS		Part No.	Product Specifics
		10116628 	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models</li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> </ul>

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

## V-Gard Metal Frames

<b>Classification:</b>	General purpose
<b>Market(s):</b>	Manufacturing; construction; steel/smelting operations
<b>Application(s):</b>	Machine operation, maintenance, millwright, extrusion, drilling, blasting, casting/conveying
<b>Material:</b>	Anodized aluminum
<b>Color(s):</b>	Silver
<b>Available Styles:</b>	Universal (spring coil)
<b>Size:</b>	For MSA Caps, MSA Skullgard Caps and MSA Full Brim Hats (as indicated)
<b>Features:</b>	<ul style="list-style-type: none"> <li>• Works with V-Gard Visors</li> <li>• Spring coil for fast loading of frame to helmet</li> <li>• Three visor resting positions</li> <li>• Locking device holds visor securely in the down position</li> <li>• Heavy duty anodized aluminum frame for tough work environments</li> </ul>
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010
<b>Testing:</b>	Intertek
<b>Min Order Qty:</b>	10

V-GARD METAL FRAMES		Part No.	Product Specifics
		10158799	• For use with MSA Caps
		10158800	• For use with MSA Skullgard Caps
		10158821	• For use with MSA Full Brim Hats

### CAUTION

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

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

## V-Gard Accessory System: V-Gard Frames for Caps

<b>Classification:</b>	General purpose
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	High density polyethylene (HDPE)
<b>Color(s):</b>	Black
<b>Available Styles:</b>	Frame for Slotted Caps Universal Frame for Caps
<b>Size:</b>	Fits MSA Safety Caps
<b>Features:</b>	Offered with or without debris control
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166; CSA Z94.3; and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD FRAMES FOR GENERAL PURPOSES	Part No.	Product Specifics
	10115730 	<ul style="list-style-type: none"> <li>Fits all MSA Slotted Caps</li> <li>Sold with replaceable debris control which creates tight seal between frame and cap</li> <li>Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>
	10121266 	<ul style="list-style-type: none"> <li>Fits all MSA Slotted Caps<sup>3</sup></li> <li>Debris control sold separately</li> <li>Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> </ul>
	10115822 	<ul style="list-style-type: none"> <li>Fits all MSA Caps (Slotted or Non-Slotted)<sup>4</sup></li> <li>Sold with replaceable debris control which creates tight seal between frame and cap</li> <li>Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models</li> <li>Design allows use with other PPE, including MSA earmuffs and respirators</li> </ul>
	10121268 	<ul style="list-style-type: none"> <li>Fits all MSA Caps (Slotted or Non-Slotted)<sup>4</sup></li> <li>Debris control sold separately</li> <li>Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models</li> <li>Design allows use with other PPE, including MSA earmuffs and respirators</li> </ul>

### WARNING

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

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

<sup>2</sup>Patent pending.

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

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

## V-Gard Accessory System: V-Gard Elevated Temperature Frames for Caps

<b>Classification:</b>	Elevated temperature
<b>Market(s):</b>	Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, and steam tunnels
<b>Application(s):</b>	Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Grey
<b>Available Styles:</b>	Frame for Slotted Caps Universal Frame for Caps
<b>Size:</b>	Fits MSA Safety Caps
<b>Features:</b>	Offered with or without debris control Tested to withstand temperatures of 350°F (176.7°C), reducing warping, cracking or crazing All non-metal construction
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166; CSA Z94.3; and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD FRAMES FOR ELEVATED TEMPERATURE APPLICATIONS	Part No.	Product Specifics
	10115821 	<ul style="list-style-type: none"> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs<sup>2</sup></li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>• Replaceable debris control tested against EN 166 hot solids requirements</li> </ul>
	10121267 	<ul style="list-style-type: none"> <li>• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs</li> <li>• Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor</li> <li>• Debris control sold separately<sup>3</sup></li> </ul>
	10116552 	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models<sup>4</sup></li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> <li>• Replaceable debris control tested against EN 166 hot solids requirements</li> </ul>
	10124426 	<ul style="list-style-type: none"> <li>• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models<sup>4</sup></li> <li>• Design allows use with other PPE, including MSA earmuffs and respirators</li> <li>• Debris control sold separately<sup>3</sup></li> </ul>

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

<sup>2</sup>Patent pending.















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

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



## V-Gard Visors: General Purpose

<b>Classification:</b>	General purpose
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Clear
<b>Available Styles:</b>	Contoured or flat; visors and nitrometers; bulk pack
<b>Size:</b>	Varies; see "Product Specifics" in Ordering Information chart
<b>Features:</b>	Maximum UV protection ("U6") Impact-rated (Z87+)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; CSA Z94.3 and EN 166 (2C-1.2 MSA 1B); AS/NZS 1337, except as noted
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty<sup>2</sup>:</b>	10

V-GARD VISORS FOR GENERAL PURPOSE APPLICATIONS		Part No.	Product Specifics
		10144486 	<ul style="list-style-type: none"> <li>• 5.5" (14.61 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> <li>• Approved to ANSI and CSA<sup>3</sup> Standards; does not meet EN standards.</li> </ul>
		10115836 	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>
		10115837 	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>
		10120108 	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Bulk pack of 20</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>
		10115863 	<ul style="list-style-type: none"> <li>• 9.5" (24.1 cm) x 17" (43.2 cm) x .04" (1.02mm)</li> <li>• Contoured visor; closer fit and improved resistance to impact and splash hazards</li> </ul>













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

<sup>2</sup>MOQ does not apply to 10120188 as that is a bulk pack of 20.

<sup>3</sup>PN 10144486 must be worn with a V-Gard Chin Protector to comply with CSA coverage requirements.

## V-Gard Visors: General Purpose with Anti-fog/Anti-scratch Coatings

<b>Classification:</b>	General purpose: humid conditions
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Hot/humid conditions, chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Polycarbonate with anti-fog/anti-scratch coatings
<b>Color(s):</b>	Clear Green tint
<b>Available Styles:</b>	Contoured; visors and nitrometers
<b>Size:</b>	8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)
<b>Features:</b>	Anti-fog/anti-scratch coatings Impact-rated (Z87+) Maximum UV protection ("U6") Slightly thicker for industrial impact applications
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR GENERAL PURPOSE APPLICATIONS	Part No.	Product Specifics
 	10115839 	• Contoured visor; closer fit and improved resistance to impact and splash hazards
 	10115841 	• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors • Contoured visor; closer fit and improved resistance to impact and splash hazards
 	10115842 	• Contoured visor; closer fit and improved resistance to impact and splash hazards • Green tint, reduces glare. <b>Not for use where a Shade infrared (IR) radiation visor is required.</b>
 	10115843 	• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors • Contoured visor; closer fit and improved resistance to impact and splash hazards • Green tint, reduces glare. <b>Not for use where a Shade IR visor is required.</b>








All V-Gard polycarbonate clear and green tinted visors, as well as green tint propionate offer maximum UV protection as measured under ANSI/ISEA Z87.1-2010. Just look for the "U6" marking.

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

## V-Gard Visors: General Purpose

<b>Classification:</b>	General purpose
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Clear
<b>Available Styles:</b>	Contoured or flat; visors and nitrometers
<b>Size:</b>	8" (20.3 cm) x 17" (43.2 cm) x .06" (1.52mm)
<b>Features:</b>	Impact-rated (Z87+) Maximum UV protection ("U6") Slightly thicker for industrial impact applications
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 (2C-1.2 MSA 1B389); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD VISORS FOR GENERAL PURPOSE APPLICATIONS		Part No.	Product Specifics
		10115840 	• Contoured visor; closer fit and improved resistance to impact and splash hazards
		10117783	• Flat nitrometer; for use with V-Gard Retractable or Standard Chin Protectors • Wider design improved resistance to impact and splash hazards • Does not meet CSA Z94.3



Only eye/face products marked as Z87+ are impact-rated. The "+" indicates the impact rating. Product literature can be vague, indicating that eye/face products "meet the requirements" of ANSI Z87. If you need a Z87 impact-rated product, be sure to ask the manufacturer if it is marked with "Z87+".

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

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




<b>Classification:</b>	General purpose: non-impact
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, automotive, mining
<b>Application(s):</b>	Flying chips and other light debris
<b>Material:</b>	Epoxy-coated steel mesh (20 x 20)
<b>Color(s):</b>	Black Aluminum
<b>Available Styles:</b>	Flat
<b>Size:</b>	Varies; see "Product Specifics" in Ordering Information chart
<b>Features:</b>	General protector (Z87); not for impact hazards
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 1731-F; and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	10

V-GARD VISORS FOR GENERAL PURPOSE APPLICATIONS		Part No.	Product Specifics
		10116557	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm)</li> <li>• Visor; plastic-edged mesh</li> <li>• Not for use against splash, impact, elevated temperatures or UV hazards</li> <li>• Can be worn with earmuffs</li> </ul>
		10116558	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 17" (43.2 cm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Plastic-edged mesh</li> <li>• Not for use against splash, impact, elevated temperatures or UV hazards</li> <li>• Can be worn with earmuffs</li> </ul>
		10158822	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x 16.5" (41.9 cm)</li> <li>• Aluminum-bound mesh</li> <li>• Not for use against splash, impact, electrical or UV hazards</li> </ul>

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

## V-Gard Visors: Heavy Duty with High-Performance Anti-fog/Anti-scratch Coatings

<b>Classification:</b>	General purpose: heavy duty, humid conditions
<b>Market(s):</b>	General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, metalworking, automotive, mining
<b>Application(s):</b>	Hot/humid conditions, chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing, outdoor work
<b>Material:</b>	Polycarbonate, with EN166-performance-rated anti-fog/anti-scratch coatings
<b>Color(s):</b>	Clear Green tint
<b>Available Styles:</b>	Molded
<b>Size:</b>	10.375" (26.4 cm) x 17" (43.2 cm) x .098" (2.5 mm)
<b>Features:</b>	EN 166 performance-rated anti-fog/anti-scratch (N, K marks, respectively) Impact-rated (Z87+) Maximum UV protection ("U6") Thick for heavy duty industrial impact applications
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 ((2C-1.2 MSA 1BT389KN [clear] and 2.2 MSA 1BT39KN [green tint]); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR HEAVY DUTY GENERAL PURPOSE APPLICATIONS		Part No.	Product Specifics
 		10115853 	<ul style="list-style-type: none"> <li>Molded visor for superior optics under heavy duty use</li> <li>Extended length for greater coverage of neck/face</li> <li>Performs well against many chemicals; please refer to MSA's Chemical Application Quick Reference Guide (ID 0670-007/MC) for details</li> </ul>
 		10115854 	<ul style="list-style-type: none"> <li>Molded visor for superior optics under heavy duty use</li> <li>Extended length for greater coverage of neck/face</li> <li>Green tint, helps reduce glare; <b>not for use where a Shade IR visor is required</b></li> </ul>







V-Gard molded, green and clear visors (whether propionate or polycarbonate) offer superior optical quality and resistance to many chemicals. For details on optics, please refer to the MSA White Paper, "Optical Quality Requirements and V-Gard® Visors" (ID 0302-32 MC) available for download on [MSAsafety.com](http://MSAsafety.com).

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



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

<b>Classification:</b>	Elevated temperature: Heavy Duty
<b>Market(s):</b>	Food manufacturing/canneries, steel mills, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing, steam tunnels
<b>Application(s):</b>	Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding
<b>Material:</b>	Polycarbonate with EN166 performance-rated anti-fog/anti-scratch coatings
<b>Color(s):</b>	Clear
<b>Available Styles:</b>	Molded
<b>Size:</b>	Varies; see "Product Specifics" in Ordering Information chart
<b>Features:</b>	EN166 performance-rated anti-fog/anti-scratch coatings (N, K marks, respectively) Impact-rated (Z87+) Maximum UV protection ("U6") <b>Not for protection against radiant heat or IR hazards.</b>
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 (2C-1.2 MSA 1BT389KN); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR ELEVATED TEMPERATURE APPLICATIONS	Part No.	Product Specifics
	10115844 	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Conditioned to a high of +131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> </ul>
	10115846 	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 18" (45.7 cm) x .098" (2.5mm)</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length for greater coverage of face and neck</li> <li>• Conditioned to a high of +131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> </ul>








V-Gard molded clear and green tint Visors with anti-fog and anti-scratch coatings offer EN166 "N" and "K" markings, respectively, having passed strenuous testing to confirm performance levels.

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

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

- Classification:** Elevated temperature: Heavy Duty
- Market(s):** Construction, open-pit mining, agriculture, oil/gas/petrochemical refineries
- Application(s):** Food processing, machine operation, maintenance, millwright, cutting, punching, extrusion, drilling, blasting, casting/conveying, chemical mixing, sanding
- Material:** Polycarbonate
- Color(s):** Green tint
- Available Styles:** Molded
- Size:** Varies; see "Product Specifics" in Ordering Information chart
- Features:** EN166 performance-rated anti-fog/anti-scratch coatings (N, K marks, respectively)  
Impact-rated (Z87+)  
Green tint helps alleviate eyestrain and reduces glare  
Maximum UV protection ("U6")  
**Not for protection against radiant heat or IR hazards.**
- Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2010; EN 166 (2.2 MSA 1BT39KN); CSA Z94.3 and AS/NZS 1337
- Certification/Testing:** NSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
- Min Order Qty:** 5

V-GARD VISORS FOR ELEVATED TEMPERATURE APPLICATIONS	Part No.	Product Specifics
 	10115845 	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 17" (43.2 cm) x .098" (2.5mm)</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Conditioned to a high of 131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> <li>• <b>Not for use where a Shade IR visor is required</b></li> </ul>
	10115849 	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x 18" (45.7 cm) x .098" (2.5mm)</li> <li>• Extra-thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length for greater coverage of face and neck</li> <li>• Conditioned to a high of 131°F (and a low of -23°F) and then tested to the medium impact rating in the EN166 standard (higher impact speed than ANSI/ISEA Z87.1-2010)</li> <li>• <b>Visors do not reflect IR; not recommended for use against radiant heat hazards</b></li> <li>• <b>Not for use where a Shade IR visor is required</b></li> </ul>









Many people mistakenly believe that green tinted visors offer protection from infrared (IR) radiation. If you need a specific reduction in the transmittance level for IR, look for a visor with a "W" or "R" mark - these are generally known as "shade" visors. Reflectance is another way to reduce the IR transmittance through a lens. See also "V-Gard Visors: Radiant Heat/Elevated Temperature" for information about IR reflectance.

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

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

<b>Classification:</b>	Chemical and splash: Heavy Duty
<b>Market(s):</b>	General industry, heavy manufacturing, laboratories, chem/petrochemical, agriculture, pharmaceutical, oil and gas, mining
<b>Application(s):</b>	Chipping, splash, chemical mixing, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Propionate
<b>Color(s):</b>	Clear
<b>Available Styles:</b>	Molded visor; molded nitrometer
<b>Size:</b>	Varies.; see "Product Specifics" in Ordering Information chart
<b>Features:</b>	Performs well against many types of chemicals. Please refer to MSA's Chemical Application Quick Reference Guide (ID 0670-007/MC) for details Impact-rated (Z87+)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 (MSA 1B 3); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR CHEMICAL AND SPLASH APPLICATIONS	Image	Part No.	Product Specifics
		10115855 	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x17" (43.2 cm) x .098" (2.5mm)</li> <li>• Visor</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> </ul>
		10115856 	<ul style="list-style-type: none"> <li>• 8" (20.3 cm) x17" (43.2 cm) x .098" (2.5mm)</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> </ul>
		10115851 	<ul style="list-style-type: none"> <li>• 9.25" (23.5 cm) x18" (45.7 cm) x .098" (2.5mm)</li> <li>• Visor</li> <li>• Extra-thick to help prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length and width for greater coverage of neck and face</li> </ul>



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

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

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

<b>Classification:</b>	Radiant Heat/Elevated Temperature
<b>Market(s):</b>	Metal industries, glass manufacturing, iron and steel foundries, chemical manufacturing, construction, general manufacturing, textile manufacturing, mining, oil and gas
<b>Application(s):</b>	Grinding, pouring, casting, blowing/melting, rolling, sawing, cutting, crimping, millwrighting, machining/operating, pipelining, pulping
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Clear, reflective-coated Green tint, reflective-coated
<b>Available Styles:</b>	Molded
<b>Size:</b>	9.5" (24.1 cm) x 17.75" (45.09 cm) x .07" (1.8 mm)
<b>Features:</b>	Reflects >60% Infrared (IR) radiation (EN166 "R" mark) in the 780nm to 2000nm wavelengths Impact-rated (Z87+) Maximum UV protection ("U6")
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 (2C-2.5 MSA 1BT3R [clear] and 2-4 MSA 1BT3R [green tint]); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR ELEVATED TEMPERATURE/RADIANT HEAT APPLICATIONS		Part No.	Product Specifics
		10115848	<ul style="list-style-type: none"> <li>• Reflective coating reflects IR and helps dissipate heat</li> <li>• Thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length for greater coverage of face and neck; <b>DO NOT use for welding</b></li> <li>• Clear, reflective-coated</li> </ul>
		10115850	<ul style="list-style-type: none"> <li>• Reflective coating reflects IR and helps dissipate heat</li> <li>• Green tint helps alleviate eyestrain and reduces glare; <b>not for use where a Shade IR visor is required</b></li> <li>• Thick visor helps prevent warping, cracking or crazing under tough conditions</li> <li>• Extended length for greater coverage of face and neck; <b>DO NOT use for welding</b></li> <li>• Green tint, reflective-coated</li> </ul>



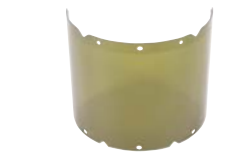







Reflective-coated visors offer protection from irradiance, or the electromagnetic radiation (EMR) energy created in elevated temperature environments. V-Gard Reflective Coated Visors offer an EN166 "R" mark. This means they have been certified to reflect >60% Infrared (IR) radiation in the 780 nm to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

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

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

<b>Classification:</b>	Welding
<b>Market(s):</b>	Fabrication, steel mills, shipbuilding, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing
<b>Application(s):</b>	Welding, metal pouring, gas soldering, light cutting/brazing, manufacturing, impact and debris
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Shade 3 IR, green Shade 5 IR, green
<b>Available Styles:</b>	Molded or Nitrometer
<b>Size:</b>	8" (20.3 cm) x 17" (43.2 cm) x .07" (1.8 mm)
<b>Features:</b>	Protection from IR, up to Shade 3 or 5 (as noted) Impact-rated (Z87+)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010; EN 166 (4-3/3 MSA 1BT39 [shade 3] and 4-5/5 MSA 1BT39 [shade 5]); CSA Z94.3 and AS/NZS 1337
<b>Certification/Testing:</b>	INSPEC International Ltd., CSA International and SAI Global Ltd./Intertek
<b>Min Order Qty:</b>	5


V-GARD VISORS FOR WELDING APPLICATIONS		Part No.	Product Specifics
		10115859 	<ul style="list-style-type: none"> <li>• Shade 3 IR</li> <li>• Visor</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>
		10115860 	<ul style="list-style-type: none"> <li>• Shade 3 IR</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>
		10115861 	<ul style="list-style-type: none"> <li>• Shade 5 IR</li> <li>• Visor</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>
		10115862 	<ul style="list-style-type: none"> <li>• Shade 5 IR</li> <li>• Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors</li> <li>• Thickness helps prevent pitting and warping from heat or weld spatter</li> </ul>

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




## V-Gard Visors: Arc Flash Application<sup>1</sup>

<b>Classification:</b>	Arc
<b>Market(s):</b>	Manufacturing, utilities, construction, oil/gas/petrochemical
<b>Application(s):</b>	Maintenance, impact and debris, testing/repair
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Special tint, light green
<b>Available Styles:</b>	Molded
<b>Size:</b>	9.25" (23.5 cm) x 18" (45.7 cm) x .065" (1.7 cm)
<b>Features:</b>	Rated to 12.9 cal/cm <sup>2</sup> (see "Product Specifics" in table below) Impact-rated (Z87+)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 ASTM F2178-2008 (Ref: NFPA 70E, HRC 2)
<b>Testing:</b>	Intertek and ArcWear
<b>Min Order Qty:</b>	5

V-GARD VISORS FOR ARC FLASH APPLICATIONS		Part No.	Product Specifics
		10115847	<ul style="list-style-type: none"> <li>• Visor</li> <li>• Extended length and width for greater coverage of face and neck</li> <li>• Lightweight PC, offering high calorie rating</li> <li>• Rated to 12.9 cal/cm<sup>2</sup> when tested to ASTM F2178-2008 (ref. NFPA 70E-2015, PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266)</li> <li>• 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</li> </ul>




<b>Classification:</b>	Arc
<b>Market(s):</b>	Manufacturing, utilities, construction, oil/gas/petrochemical
<b>Application(s):</b>	Maintenance, impact and debris, testing/repair
<b>Material:</b>	Polycarbonate
<b>Color(s):</b>	Special tint, light green
<b>Available Styles:</b>	Molded nitrometer
<b>Size:</b>	8" (20.3 cm) x 17.25" (43.8 cm) x .065" (1.7 cm)
<b>Features:</b>	Rated to 11.3 cal/cm <sup>2</sup> (see "Product Specifics" in table below) Impact-rated (Z87+)
<b>Standards:</b>	ANSI/ISEA Z87.1-2010 ASTM F2178-2008 (Ref: NFPA 70E, HRC 2)
<b>Testing:</b>	Intertek and ArcWear
<b>Min Order Qty:</b>	5

V-GARD NITROMETER WITH CHIN PROTECTOR FOR ARC FLASH APPLICATIONS		Part No.	Product Specifics
		10118480	<ul style="list-style-type: none"> <li>• Nitrometer; includes V-Gard Standard Chin Protector (required to achieve arc rating) that must be assembled onto nitrometer by user</li> <li>• Rated to 11.3 cal/cm<sup>2</sup> when tested to ASTM F2178-2008 (ref. NFPA 70E-2015, PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266) and V-Gard Standard Chin Protector (PN/10115827)</li> <li>• 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</li> </ul>

<sup>1</sup>Do not use V-Gard Arc Visors with V-Gard Headgear. These visors are designated for use with specified V-Gard Frames and MSA helmets ONLY. See "V-Gard Headgear" for additional details.





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

V-Gard Chin Protectors work with select V-Gard Nitrometers to help provide extra protection from impact and splash hazards to face and neck.

CHIN PROTECTORS		P/N 10115828 Retractable Chin Protector	<ul style="list-style-type: none"> <li>• 3.82" (9.7 cm) in height, when unretracted</li> <li>• Unique retractable plates allow greater flexibility of head movement both up and down, as well as side-to-side</li> <li>• Opaque polycarbonate ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors</li> <li>• Min Order Qty: 5</li> </ul>
		P/N 10149029 Chin Protector	<ul style="list-style-type: none"> <li>• 2.86" (7.26 cm) in height</li> <li>• Clear PC for improved visibility</li> <li>• Compact, lightweight design provides additional protection between chin and neck area</li> <li>• Should not be worn with tinted or shaded nitrometers to ensure compliance with stated Standards markings/requirements</li> <li>• Min Order Qty: 5</li> </ul>
		P/N 10115827 Standard Chin Protector	<ul style="list-style-type: none"> <li>• 2.86" (7.26 cm) in height</li> <li>• Opaque polypropylene ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors</li> <li>• Compact, lightweight design provides additional protection between chin and neck area</li> <li>• Min Order Qty: 5</li> </ul>

## V-Gard Accessory System Kits

V-Gard Accessory System Kits are designed to offer easy customer solutions for a variety of needs – all in one convenient box.

V-GARD ACCESSORY SYSTEM KITS		P/N 10118695 V-Gard Accessory System Kit with V-Gard Cap	<b>Contains:</b> <ul style="list-style-type: none"> <li>• White V-Gard Cap with ratchet suspension (PN 475358)</li> <li>• V-Gard Frame for Slotted Caps with debris control (PN 10115730)</li> <li>• V-Gard Clear, PC Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836)</li> </ul>
		P/N 10118697 V-Gard Accessory System Kit (without V-Gard Cap)	<b>Contains:</b> <ul style="list-style-type: none"> <li>• V-Gard Universal Frame for Caps with debris control (PN 10115822)</li> <li>• V-Gard Clear, PC Visor, 8" (20.3 cm) x 17" (43.2 cm) x .04" (1.02 mm) (PN 10115836)</li> </ul> <b>Does not contain a MSA safety helmet.</b>
		P/N 10118694 V-Gard Forestry Kit	<b>Contains:</b> <ul style="list-style-type: none"> <li>• Hi-viz orange V-Gard Cap with ratchet suspension (PN 488146)</li> <li>• V-Gard Frame for Slotted Caps with debris control (PN 10115730)</li> <li>• V-Gard Mesh Nitrometer (PN 10116558)</li> <li>• V-Gard Retractable Chin Protector (PN 10115828)</li> <li>• Left/RIGHT, HIGH (NRR 28 db) Cap-Mounted Earmuffs (PN 10087422)</li> </ul>
		P/N 10118696 <sup>2</sup> V-Gard Accessory Arc Kit	<b>Contains:</b> <ul style="list-style-type: none"> <li>• White V-Gard Cap with ratchet suspension (PN 475358)</li> <li>• V-Gard Frame for Slotted Caps (PN 10121266)</li> <li>• V-Gard Arc Nitrometer with V-Gard Standard Chin Protector (PN 10118480); must be assembled by user prior to wearing to secure stated calorie rating.</li> <li>• Rated to 11.3 cal/cm<sup>2</sup> when tested to ASTM F2178-2008 (ref. NFPA 70E-2012, Hazard Risk Category 2), and when worn with a V-Gard Hard Hat (PN 475358), V-Gard Frame (PN 10121266) and V-Gard Standard Chin Protector (PN/10115827)</li> </ul>

## V-Gard Accessory System Replacement Parts<sup>3</sup>

V-GARD ACCESSORY SYSTEM REPLACEMENT PARTS		P/N 10117496 (2 pair)	<ul style="list-style-type: none"> <li>• Slot Adaptors (2 pair). For use with V-Gard Frames for Slotted Caps</li> <li>• Sold in boxes of 10 (5 packages of 2)</li> </ul>
		P/N 10116539	<ul style="list-style-type: none"> <li>• Debris Control for V-Gard Cap Frames</li> <li>• Debris control exceeds EN requirements for molten metal</li> <li>• All-rubber construction</li> <li>• Min Order Qty: 10</li> </ul>
		P/N 10117495	<ul style="list-style-type: none"> <li>• Heavy Duty Rubber Strap for V-Gard Universal Cap or Hat Frames</li> <li>• Min Order Qty: 10</li> </ul>

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

<sup>2</sup> 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.

<sup>3</sup> Use only genuine MSA V-Gard Accessory System replacement parts to help ensure compatibility and compliance. MSA does not warrant, guarantee, or promote the use of components manufactured by other companies when used in conjunction with MSA products.

## V-Gard Winter Liners

Flame resistant (FR) garments are made of special fibers that allow them to self-extinguish when exposed to flame or thermal ignition. Flame resistance cannot be removed by washing. For this reason, only V-Gard Supreme Liners offer resistance to arc exposure.



Flame retardant garments have been chemically treated to resist burning when a flame is present. ALL V-Gard Select products offer flame retardancy up to 50 washings.






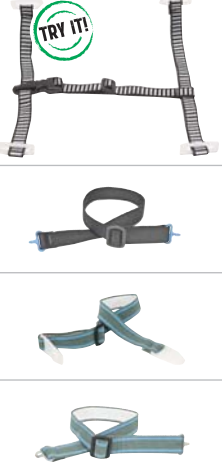

<b>V-GARD SUPREME LINERS</b> 		<b>FP/N 10118421</b> Flame-Resistant V-Gard Supreme Liner	<ul style="list-style-type: none"> <li>Multiple layers of flame-resistant fabric</li> <li>Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm<sup>2</sup></li> <li>Water repellant</li> <li>Adjustable chinstrap</li> <li>Inside neck pocket holds warming packet<sup>2</sup></li> <li>Min Order Qty: 3</li> </ul>
		<b>P/N 10118425</b> Flame-Resistant V-Gard Supreme Liner, Extended, 1-piece	<ul style="list-style-type: none"> <li>Multiple layers of flame-resistant fabric</li> <li>Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm<sup>2</sup></li> <li>Water repellant</li> <li>Inside neck pocket holds warming packet<sup>2</sup></li> <li>Extended nape and wraparound collar for tucking into coat/shirt</li> <li>Quilted flaps allow uncompromised hearing protection levels when using earmuffs</li> <li>Min Order Qty: 3</li> </ul>
		<b>P/N 10118427</b> Flame-Resistant V-Gard Supreme Liner, 2-piece	<ul style="list-style-type: none"> <li>Multi-layered flame-resistant top cap</li> <li>Fabric tested to withstand arc exposure to an ATPV of 8 cal/cm<sup>2</sup></li> <li>Water repellant</li> <li>Inside neck pocket holds warming packet<sup>2</sup></li> <li>Extended, zipper on/off high-bulk flame-resistant knit bottom</li> <li>No metal parts</li> <li>Min Order Qty: 3</li> </ul>
<b>V-GARD SELECT LINERS</b> 		<b>P/N 10129659</b> Flame-Retardant V-Gard Select Liner, 2-piece	<ul style="list-style-type: none"> <li>Double-layered flame retardant top cap, up to 50 washes</li> <li>Extended, zipper on/off double-layer knit bottom; flame retardant, up to 50 washes</li> <li>No metal parts</li> <li>Water repellant</li> <li>Min Order Qty: 12</li> </ul>
		<b>P/N 10129654</b> Flame-Retardant V-Gard Select Liner, Extended, No Earflaps	<ul style="list-style-type: none"> <li>Two layers of fabric, flame retardant to 50 washes</li> <li>Water repellant</li> <li>Extended nape and wraparound collar for tucking into coat/shirt</li> <li>For applications where earmuffs are not worn</li> <li>Min Order Qty: 12</li> </ul>
		<b>P/N 10118420</b> Flame-Retardant V-Gard Select Liner	<ul style="list-style-type: none"> <li>Two layers of fabric, flame retardant to 50 washes</li> <li>Water repellant</li> <li>Adjustable chinstrap</li> <li>Quilted flaps allow uncompromised hearing protection levels when using earmuffs</li> <li>Min Order Qty: 12</li> </ul>
<b>V-GARD VALUE LINERS</b> 		<b>P/N 10118417</b> V-Gard Liner Knit Cap	<ul style="list-style-type: none"> <li>Stylish skullie cap</li> <li>Design prevents liner from obstructing vision</li> <li>100% high bulk acrylic</li> <li>Min Order Qty: 12</li> </ul>
		<b>P/N 10118418</b> V-Gard Liner Knit Hat-Cap Cover	<ul style="list-style-type: none"> <li>100% acrylic</li> <li>Bright yellow-green for greater visibility</li> <li>Full face tube mounts under or over brim of MSA caps or hats, covering ears, mouth, cheeks and neck</li> <li>Extended nape and wraparound collar for tucking into coat/shirt</li> <li>Min Order Qty: 12</li> </ul>
		<b>P/N 10118419</b> V-Gard Value Liner	<ul style="list-style-type: none"> <li>100% cotton twill</li> <li>Adjustable chin strap</li> <li>Min Order Qty: 12</li> </ul>
		<b>P/N 10118422</b> V-Gard Value Liner, Extended	<ul style="list-style-type: none"> <li>100% cotton twill</li> <li>Extended nape and wraparound collar for tucking into coat/shirt</li> <li>Min Order Qty: 12</li> </ul>



According to one of the formal, certifying test houses, winter liners cannot be certified to "NFPA 2112, Standard on Flame-Resistant Garments for Protection of Industrial Personnel Against Flash Fire," as they are not considered "garments" under this Standard. Please contact MSA Customer Service for details.

<sup>1</sup>Garment care instructions must be followed. <sup>2</sup>Warming packets available at most sporting goods retailers; not sold with liners.

## Helmet Accessories

SUNSHADE HARD HAT ACCESSORY		P/N 10098032 SunShade, Yellow-Green, with reflective striping	MSA SunShades not only help to protect wearer's ears and neck from sun and heat, but also enhance worker visibility with contrasting color band and reflective striping. Fit most hats and caps. Features include:  • Breathable, bright mesh fabric • Choice of bright yellow-lime or orange colors • Hat clips help to keep SunShade from falling or rotating • Sold in packages of 5 ONLY
		P/N 10098031 SunShade, Orange, with reflective striping	
SUN SHIELDS		P/N 697290 Sun Shield, for Standard V-Gard Caps only	Protect ears and neck from sun and heat with these easily attachable brims. Extends brim all the way around the helmet. Made of flexible, resilient polyurethane, these brims feature a smoke-tinted, Lexan constructed front:
		P/N 697410 Sun Shield, for V-Gard Hats only	• Polyurethane brim extender protects against sun and heat • Easily attaches to helmets and caps • Smoke-tinted Lexan front for extra protection
		P/N 10039114 Sun Shield, for V-Gard 500 Caps only	
CUSTOM TERRI-BAND SWEATBAND		P/N 10068911 Custom Terri-Band Sweatband (single)	Custom design fits all MSA suspensions. Washable, with plastic snaps.
		P/N 696688 Custom Terri-Band Sweatband (pkg of 10)	<i>(See page 6 for details on the Fas-Trac III sweatband accessory.)</i>
CHINSTRAPS		P/N 10124238 Chinstrap, 4-pt, 3/4" polyester webbing, attaches to suspension (pkg of 10)	Put and keep MSA helmets in their place with these comfortable, adjustable chinstraps.  • 2-, 3- and 4-point chinstraps available • Non-metal chinstraps keep helmets in place • Attaches directly to shell or suspension (as noted) • Flexible construction and adjustable design for long-wearing comfort • Available in polyeste or Nomex® webbing
		P/N 10102191 <sup>1</sup> Chinstrap, 2-pt, 3/4" Nomex webbing, attaches to shell	
		P/N 81391 Chinstrap, 2-pt, 3/4" polyester webbing, attaches to suspension <sup>2</sup>	
		P/N 88128 Chinstrap, 2-pt, 3/4" polyester webbing, attaches to shell	
HELMET LIGHTS		P/N 697259 <sup>2</sup> VersaLite Helmet Light with 2 AA alkaline batteries	MSA offers two helmet lights that fit into our special cap adapters. Both of the lights are FM and CSA-approved and are non-incendive.
		P/N 697261 <sup>3</sup> Stealthlite Helmet Light (batteries not included)	
		P/N 814322 Light holder for slotted cap, no metal parts	

<sup>1</sup>For elevated temperatures

<sup>2</sup>VersaLite Helmet Light does not include, but requires, slot adapter (P/N 10117496) to work in helmet slots.

<sup>3</sup>Stealthlite Helmet Light does not include, but requires, batteries and a light holder to work in helmet slots.

## Industrial Hearing Protection





MSA has an impressive line of passive and electronic hearing protection for nearly every industrial application. In fact, MSA offers what customers want most: economical options, quality and outstanding performance.





### Helmet Mounted, Passive

#### SoundControl® Classic Hearing Protection

MSA SoundControl Classic hearing protection offers four helmet-mounted options for MSA caps and full brim hats. The classic line offers lightweight, low-profile cups with various protection levels for low to loud noise worksites.

- Classification:** Slotted Helmet-Mounted, Passive
- 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
- Compatible PPE:** V-Gard® Slotted and Universal Frames – no additional parts needed  
Most V-Gard Visors  
MSA Slotted Helmets (cap or full brim, as indicated)
- Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

	Product Name	Part No.	NRR	Product Features
	SoundControl HPE	10061272	27 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• Excellent protection against low-frequency noises, such as road vehicles, aircraft or wind turbines</li> <li>• Easy to adjust cups – even with gloves on</li> <li>• Spring arm design provides proper closure and low pressure</li> </ul>
	SoundControl EXC	10061230	25 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• Provide excellent attenuation and maximum ear space</li> <li>• Three distinct wearing positions</li> </ul>
	SoundControl XLS	10061535	23 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• Easy to remove ear cushions for quick replacement</li> </ul>
	SoundControl SH	10129327	25 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted full brim helmets</li> <li>• Does not interfere with Class E rating of MSA Slotted Full Brim Helmets</li> <li>• Three wearing positions</li> </ul>

	Product Name	Part No.	Product Features
	HPE Hygiene Kit	10061291	<ul style="list-style-type: none"> <li>• Foam cushions and inserts</li> <li>• Works with Classic hearing protection helmet-mounted or headband products</li> </ul>
	EXC Hygiene Kit	10061292	
	XLS Hygiene Kit	10061537	
	SoundControl SH Hygiene Kit	10003360	<ul style="list-style-type: none"> <li>• Works with SoundControl SH Full Brim Cap hearing protectors</li> </ul>

## Helmet Mounted, Passive

### left/RIGHT® Passive Hearing Protection

MSA left/RIGHT passive hearing protection offers three helmet-mounted options. MSA left/RIGHT earmuffs are different from any other on the market: the cups are designed to account for the asymmetrical position of each ear on the head. MSA left/RIGHT cups can be adjusted to the angle of the ear, and also independently raised or lowered. MSA left/RIGHT muffs offer a truly personal fit.




**Classification:** Slotted Helmet-Mounted, Passive


**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)

**Compatible PPE:** V-Gard Slotted and Universal Frames – no additional parts needed  
Most V-Gard Visors  
MSA Slotted Caps

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

	Product Name	Part No.	NRR	Product Features
	left/RIGHT (HIGH)	10087422	28 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• For use in high-noise environments, such as paper mills, foundries, mines and airports</li> <li>• Cups are sized and shaped to provide space for most ear sizes</li> </ul>
	left/RIGHT (MEDIUM)	10087429	25 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• For use in medium-noise environments, such as oil, gas and petrochemical, forestry and agriculture</li> <li>• Cups are sized and shaped to provide space for most ear sizes</li> </ul>
	left/RIGHT (LOW)	10087439	21 dBA	<ul style="list-style-type: none"> <li>• For use with MSA slotted caps</li> <li>• For use in low-noise environments, such pharmaceuticals and outside maintenance, where overprotection is a concern</li> </ul>

	Product Name	Part No.	Product Features
	left/RIGHT (HIGH) Hygiene Kit	10092880	<ul style="list-style-type: none"> <li>• Cushions and inserts</li> <li>• Works with left/RIGHT passive helmet-mounted or headband products</li> </ul>
	left/RIGHT (MEDIUM) Hygiene Kit	10092879	
	left/RIGHT (LOW) Hygiene Kit	10092878	

**DID YOU HEAR?**

*The pinnae (or auricles) are the external parts of the ear most people are familiar with. Like most paired anatomical structures, your two pinnae differ in shape. They also differ in location, being slightly asymmetrical to each other on both the vertical and horizontal planes of the head.*







## Headband, Passive

### SoundControl Classic Hearing Protection

MSA SoundControl Classic hearing protection offers two headband models, making it easy for safety directors to find the proper attenuation levels for noise in their particular environment. And, just like their helmet—mounted Classic counterparts, these muffs are lightweight and low-profile!

- Classification:** Headband, Passive
- Markets:** General industry, manufacturing, repair and maintenance, construction, oil and gas, forestry, shipbuilding, mining, metal processing, automotive
- Applications:** Confined space, sanding/grinding, power tool use, occupations with non-impulse noise (such as machine operations), demolition, assembly
- Standards:** Meets ANSI S3.19-1974 and CSA Class A Standards

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

	Product Name	Part No.	Product Features
	HPE Hygiene Kit	10061291	<ul style="list-style-type: none"> <li>• Foam cushions and inserts</li> <li>• Works with Classic helmet-mounted or headband products</li> </ul>
	EXC Hygiene Kit	10061292	



*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.*





## Headband, Passive

### Economuff Value Hearing Protection


MSA Economuff Value hearing protection offers two headband options. Economuff hearing protectors provide cost-effective options that don't sacrifice comfort or protection.

<b>Classification:</b>	Headband, Passive
<b>Markets:</b>	Repair and operation (MRO), mining, food and beverage manufacturing, metal fabrication, oil & gas, general manufacturing
<b>Applications:</b>	Facility maintenance, grinding, machine operations, sanding, welding, demolition, painting, assembly, cleaning
<b>Compatible PPE:</b>	MSA Helmets <sup>1</sup>
<b>Standards:</b>	Meets ANSI S3.19-1974 and CSA Class B Standards

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

### Sightgard Vertoggle™ (Safety Goggle/Faceshield Combination)

<b>Classification:</b>	Splash and impact
<b>Market(s):</b>	Construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, primary metals, transportation, shipbuilding
<b>Application(s):</b>	Cleaning, chipping, chiseling, drilling, grinding, machining, painting, power washing, sanding, sawing, splash
<b>Material:</b>	Polycarbonate (clear lens/frosted faceshield)
<b>Features:</b>	Anti-fog/anti-scratch coatings on goggle lens Impact (Z87+) and Splash-rated (D3) Unique, articulated lift-front retains the shield on the goggle in any of five positions
<b>Standards<sup>2</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	5













SPLASH AND IMPACT APPLICATIONS	Model	Part No.	Product Specifics
	Vertoggle	10150069	<ul style="list-style-type: none"> <li>• Anti-fog and anti-scratch coatings on goggle lens</li> <li>• Indirect venting on goggle and faceshield improve airflow while providing splash and high impact protection</li> <li>• Entire assembly tested at ANSI/ISEA Z87.1-2010 faceshield impact speed (300 ft/sec)</li> <li>• Soft, pliable goggle body helps ensure all-day comfort</li> <li>• Fully adjustable FR-tested (CSA Z94.3 test methodology) elastic strap prevents hair pulling</li> <li>• Disposable respirators can be worn under shield</li> <li>• Designed to work with MSA goggle retainers</li> </ul>


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

<sup>2</sup>CSA International certified models are denoted with a  symbol

## Sightgard Safety Glasses: Indoor Humid Conditions













- Classification:** Indoor: humid environments
- Market(s):** Facility maintenance, repair and operations, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, transportation, shipbuilding, automotive
- Application(s):** Assembly and mechanical, drilling, grinding, machining, painting, sanding, sawing
- Material:** Polycarbonate
- Features:** Anti-fog coating  
Clear lenses  
Impact-rated (Z87+)  
Anti-scratch coating (as noted)
- Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)
- Certification/Testing:** CSA International/Intertek
- Min Order Qty:** 12


HUMID INDOOR APPLICATIONS	Model	Part No.	Product Specifics
 	Arctic Elite	10038845	<ul style="list-style-type: none"> <li>• Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> </ul>
 	Aurora	10026005	<ul style="list-style-type: none"> <li>• Ratchet temple adjustment</li> <li>• Single, 7-base wrap curve lens</li> <li>• Tuff-Stuff™ Anti-scratch Coating</li> </ul>
 	Blockz	10106379	<ul style="list-style-type: none"> <li>• Brow shelf prevents debris from falling into eyes</li> <li>• Sliding temple adjustment</li> <li>• Tuff-Stuff Anti-scratch Coating</li> </ul>
	Essential Adjust 	10119761	<ul style="list-style-type: none"> <li>• Horizontal and vertical temple adjustment</li> </ul>
	Pyrenees 	10033718	<ul style="list-style-type: none"> <li>• Full side protection</li> <li>• Dual injected, soft-tipped temples</li> </ul>
	Voyager 	10065849	<ul style="list-style-type: none"> <li>• Single wrap-style lens</li> </ul>

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

## Sightgard Safety Glasses: Indoor









<b>Classification:</b>	Indoor: temperate environments
<b>Markets:</b>	Facility maintenance, repair and operations, general manufacturing and industry
<b>Applications:</b>	Drilling, grinding, machining, sanding, sawing
<b>Material:</b>	Polycarbonate, clear
<b>Features:</b>	Impact-rated (Z87+) Anti-scratch coating (as noted)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	12

TEMPERATE INDOOR APPLICATIONS	Model	Part No.	Product Specifics
 	Arctic	697514	<ul style="list-style-type: none"> <li>• Frameless and lightweight</li> <li>• Among our most popular models!</li> <li>• Tuff Stuff Anti-scratch Coating</li> <li>• Full side coverage</li> </ul>
 	Discovery II 	10106382	<ul style="list-style-type: none"> <li>• Flexible, nylon temple arms adjust to head width</li> <li>• Soft nose bridge</li> <li>• So light, you forget you have them on</li> </ul>
 	Easy Flex	10070917	<ul style="list-style-type: none"> <li>• Temples and frame flex for a custom fit</li> <li>• Tuff Stuff Anti-scratch Coating</li> </ul>
	Sierra 	697550	<ul style="list-style-type: none"> <li>• Classic full coverage look</li> <li>• Adjustable temples</li> <li>• Integral side protection</li> <li>• Tuff Stuff Anti-scratch Coating</li> </ul>
	Vista	10070914	<ul style="list-style-type: none"> <li>• Vertical temple adjustment</li> <li>• Lightweight, single lens</li> <li>• Tuff Stuff Anti-scratch Coating</li> </ul>
	Luxor™ 	697516	<ul style="list-style-type: none"> <li>• Single wrap style lens</li> <li>• Tuff Stuff Anti-scratch Coating</li> <li>• Horizontal temple adjustment</li> </ul>

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

## Sightgard Safety Glasses: Indoor/Outdoor

<b>Classification:</b>	Indoor/outdoor
<b>Market(s):</b>	General industry, manufacturing, construction, oil and gas, forestry, shipbuilding, automotive, food and beverage, mining, pharmaceuticals, primary metals, transportation
<b>Application(s):</b>	Assembly and mechanical, chipping, chiseling, cleaning, drilling, grinding, machining, masonry, riveting, sanding, sawing, UV protection
<b>Material:</b>	Polycarbonate, indoor/outdoor or light mirroring
<b>Features:</b>	Maximum UV protection ("U6") Light mirror lenses provide glare reduction without significantly reducing light transmittance Impact-rated (Z87+) Anti-fog and/or anti-scratch coatings (as noted)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	12

INDOOR/OUTDOOR APPLICATIONS	Model	Part No.	Product Specifics
 	Arctic	10088179	<ul style="list-style-type: none"> <li>• Blue mirror reduces glare without causing color degradation</li> <li>• Popular, lightweight model</li> <li>• Full side coverage</li> <li>• Anti-scratch coating</li> </ul>
 	Artic Elite	10059671	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirror allows workers to go from bright to low light conditions</li> <li>• Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> <li>• Anti-fog coating</li> </ul>
	Essential Adjust 	10119757	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirror allows workers to go from bright to low light conditions</li> <li>• Horizontal and vertical temple adjustment</li> <li>• Anti-scratch coating</li> </ul>
 	Vista™	10070916	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirror allows workers to go from bright to low light conditions</li> <li>• Vertical temple adjustment</li> <li>• Lightweight, single lens</li> <li>• Tuff-Stuff Anti-scratch Coating</li> </ul>









A common misconception is that all polycarbonate blocks UV. This is not the case. If UV filtration claims are made by a manufacturer, under ANSI/ISEA Z87.1-2010, applicable UV filtration markings must be placed on product.

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

## Sightgard Safety Glasses: Outdoor with UV Exposure

<b>Classification:</b>	Outdoor: UV exposure
<b>Market(s):</b>	General industry, manufacturing, construction, oil and gas, forestry, shipbuilding
<b>Application(s):</b>	Chipping, splash, chiseling, drilling, grinding, machining, power fastening, sanding, sawing
<b>Material:</b>	Polycarbonate
<b>Features:</b>	Maximum UV protection ("U6") Grey tint lenses offer glare reduction with the least amount of color distortion Impact-rated (Z87+) Anti-fog coating (as noted)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	12

OUTDOOR UV EXPOSURE APPLICATIONS	Model	Part No.	Product Specifics
 	Feather Fit	10106384	<ul style="list-style-type: none"> <li>• Comfortable rubber flange nosepiece</li> <li>• Rubber temple grips help glasses stay put under hot working conditions</li> </ul>
	Nuevo Wrap 	10106385	<ul style="list-style-type: none"> <li>• Stylish, full wrap coverage</li> <li>• Anti-fog coating</li> </ul>
	Voyager 	10065850	<ul style="list-style-type: none"> <li>• Single lens</li> <li>• Anti-scratch coating</li> </ul>



Under ANSI/ISEA Z87.1-2010 there is a required marking if the manufacturer claims protection from UV. Look for eyewear that both meets ANIS/ISEA Z87.1-2010 and has a "U" mark.

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

## Sightgard Safety Glasses: Outdoor

**Classification:** Outdoor: general use

**Market(s):** Aviation, general manufacturing, mining, oil and gas, pharmaceuticals, primary metals, transportation

**Application(s):** Assembly and mechanical, chipping, chiseling, drilling, grinding, machining, sanding, sawing














**Material:** Polycarbonate

**Features:** Grey tint lenses offer glare reduction with the least amount of color distortion  
Anti-fog/anti-scratch coatings (as noted)  
Impact-rated (Z87+)

**Standards<sup>1</sup>:** ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)

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













**Min Order Qty:** 12

GENERAL OUTDOOR USE APPLICATIONS		Model	Part No.	Product Specifics
		Arctic	697515	<ul style="list-style-type: none"> <li>• Popular, lightweight model</li> <li>• Full side coverage</li> <li>• Anti-scratch coating</li> </ul>
		Artic Elite	10038846	<ul style="list-style-type: none"> <li>• Rubber tipped temples and nosebridge for comfortable, yet secure fit</li> <li>• Anti-fog coating</li> </ul>
		EasyFlex	10070918	<ul style="list-style-type: none"> <li>• Temples flex for a custom fit</li> <li>• Tuff-Stuff Anti-scratch Coating</li> </ul>
		EasyFlex	10070921	<ul style="list-style-type: none"> <li>• Rich-orange mirrored lens reflects light and reduces glare without color degradation</li> <li>• Temples flex for a custom fit</li> <li>• Tuff-Stuff Anti-scratch Coating</li> </ul>
		Luxor 	697517	<ul style="list-style-type: none"> <li>• Horizontal temple adjustment</li> <li>• Wrap-style single lens</li> <li>• Tuff-Stuff Anti-scratch Coating</li> </ul>
		Pyrnees™ 	10033719	<ul style="list-style-type: none"> <li>• Full side protection</li> <li>• Dual-injected soft-tipped temples</li> <li>• Anti-fog coating</li> </ul>

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

## Sightgard Safety Glasses: Over-the-Glasses



<b>Classification:</b>	Over-the-glasses
<b>Market(s):</b>	Facility safety, maintenance, repair and operations, overhaul, general industry, manufacturing, construction, oil and gas, metalworking, automotive
<b>Application(s):</b>	Assembly and mechanical, drilling, grinding, machining, masonry, power fastening, riveting, sanding, sawing
<b>Material:</b>	Polycarbonate
<b>Features:</b>	Impact-rated (Z87+) Maximum UV protection ("U6") (as noted) Anti-fog coating (as noted)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3 (as noted)
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	12

RX GLASSES REQUIRED APPLICATIONS	Model	Part No.	Product Specifics
 	OvrG™	10110419	<ul style="list-style-type: none"> <li>• For use over small-to-medium Rx glasses</li> <li>• Integral nose pad for added comfort</li> <li>• Clear lenses</li> <li>• Anti-fog coating</li> </ul>
 	OvrG™ II 	10118475	<ul style="list-style-type: none"> <li>• Clear lenses</li> <li>• For use over small-to-medium Rx glasses</li> <li>• Squared-off, stylish look</li> <li>• Maximum UV protection</li> <li>• 30% lighter weight than standard visitor specs</li> </ul>
 	OvrG II 	10118476	<ul style="list-style-type: none"> <li>• Indoor/outdoor mirrored lens</li> <li>• For use over small-to-medium Rx glasses</li> <li>• Maximum UV protection</li> </ul>
	Plant Visitor 	10027944 697500 (10/BOX) 10008174 (144/BOX)	<ul style="list-style-type: none"> <li>• Classic look</li> <li>• Fits over most Rx glasses</li> <li>• Integral, vented side shields</li> </ul>
 	Rx Overglasses	10008175	<ul style="list-style-type: none"> <li>• Clear lenses</li> <li>• Fits over most Rx glasses</li> <li>• Anti-fog coating</li> <li>• Horizontal and vertical temple adjustment</li> </ul>

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

## Sightgard Safety Goggles

<b>Classification:</b>	Chemical and splash
<b>Market(s):</b>	Chemicals, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, primary metals, transportation, shipbuilding, automotive
<b>Application(s):</b>	Cleaning, chemical mixing and use, chipping, chiseling, drilling, grinding, machining, painting, power washing, sanding, sawing, splash
<b>Material:</b>	Acetate lens
<b>Features:</b>	Clear Impact (Z87+) and Splash-rated (D3) Anti-fog coating
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	6

CHEMICAL AND SPLASH APPLICATIONS		Model	Part No.	Product Specifics
		FlexiChem™ iV 	10106281	<ul style="list-style-type: none"> <li>• Soft, pliable goggle body ensures all-day comfort</li> <li>• Indirect vent helps eliminate fogging while retaining splash resistance</li> <li>• Acetate lens resists warping, cracking and crazing from chemical splash</li> <li>• Flame-retardant strap</li> </ul>

<b>Classification:</b>	Industrial: impact/splash
<b>Market(s):</b>	Construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, primary metals, transportation, shipbuilding, automotive
<b>Application(s):</b>	Chipping, chiseling, drilling, grinding, machining, painting, power washing, sanding, sawing, splash
<b>Material:</b>	Polycarbonate
<b>Features:</b>	Clear Anti-fog coating Indirect venting helps keep lens fog-free Impact-rated (Z87+) Splash-rated (D3)
<b>Standards<sup>1</sup>:</b>	ANSI/ISEA Z87.1-2010 and CSA Z94.3
<b>Certification/Testing:</b>	CSA International/Intertek
<b>Min Order Qty:</b>	6

INDUSTRIAL IMPACT/SPLASH APPLICATIONS		Model	Part No.	Product Specifics
		Clearvue® 200 	10029693	<ul style="list-style-type: none"> <li>• Smoke frame helps reduce peripheral light, reducing glare</li> <li>• Compliant to CSA Z94.3</li> </ul>
		Vault™ 	10106282	<ul style="list-style-type: none"> <li>• Modern styling</li> <li>• Comfortable, thick strap</li> <li>• Tuff-Stuff anti-scratch coating</li> </ul>

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



## Eyewear Accessories



### Goggle Retainers

Sturdy neoprene-rubber accessory can be used with any protective cap or hat. Retains goggle or Vertogoggle on headwear when not in use and securely when worn for eye protection. **MSA goggle retainers are manufactured for use ONLY with MSA goggles in order to comply with ANSI/ISEA Z87.1-2010.**

- P/N: **459458** Goggle Retainer, for caps  
 P/N: **449895** Goggle Retainer, for hats

### Lanyard

- P/N: **10020871** Deluxe Eyewear Lanyard (pk/12)  
*Features:* Holds eyewear securely  
 Lanyard strap slides over temple ends



### Cleaning Accessories

- P/N: **13016** 4 oz. Fogpruf™ Cleaner Refill  
 P/N: **10022087** Pre-moistened Towelettes (box of 100)

**Note:** This bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



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