

HEAD, EYE AND FACE PROTECTION

Head, Eye, Face and Hearing Protection

Your job is burdened with personal hazards. Within a few minutes on the job site, a falling object can split your head open or a piece of grit can destroy your eye, if you aren't wearing a protective helmet and eyewear. What may appear to be bearable loud noise can gradually destroy your hearing—if it repeats many times during your work day. It's smart to outfit yourself automatically before any job begins.

Especially if you work in construction, dust and gritty particles can be projected into your eyes. Falling building materials and projectiles can cause serious injuries or even death.

Maybe you don't think your job is that dangerous. But why take chances when a single accident can change your life?

What do you need?

Protective industrial helmets, or hard hats, are always visible on the job site, particularly where falling hazards exist. Other personal protection can easily be attached to the hard hat to protect the face and ears.

Head protection in the U.S. commonly takes the form of protective helmets, Type I (top impact) or Type II (lateral impact) that meet the requirements of ANSI Z89.1-1997. Type I helmets are designed to protect from top impact and penetration, while the Type II helmets give lateral impact and penetration protection.

At MSA, customization is our specialty. We can decorate your head protection with any company logo or design or even photographic images. V-Gard® Caps featuring your favorite NFL team or Nascar Racing Team drivers/teams or Freedom Series make you stand out in a crowd while protecting your head.

Faceshield frames are designed so that various lightweight plastic and wire-screen faceshields can be quickly snapped into place. MSA's vented Advance™ Caps have air ventilation slots in the crown and ratchet suspensions for a secure, comfortable fit. Helmets come in all colors and sizes, with different suspension styles. They are easily personalized with customized logo imprinting and available in special designs, such as your favorite NFL team.

Today's protective eyewear comes in stylish colors, with wraparound lenses that resist fogging and protect from the sun's harmful UV rays. Safety glasses are lightweight and have more flexible temples, more comfortable nose bridges, and side shields. Lenses can be yellow, blue, green, or even reflective-mirrored.

Up-to-date hearing protection—in the form of electronic ear muffs—can add new dimensions in communication and listening to your favorite music while protecting your hearing. Passive ear muffs can be fastened to the hard hat, and raised or lowered on demand. Disposable ear plugs on cords offer an alternative to helmet-mounted ear muffs, because they provide convenience, comfort, and low cost as well as high noise-reduction ratings.

What do you want?

Workers want personal protective equipment that's so reliable, comfortable, and easy to work in that they hardly notice they are wearing it.

Employers, of course, want reliable protection that employees will wear—at economical prices.

To keep employees safe and comply with various government standards, starting with OSHA regulations, employers must be knowledgeable about both the range of potential hazards and the types of safety equipment needed. Fortunately, along with continuous technological improvements in materials and design, every year brings new safety products that are lighter and more comfortable, reliable, and stylish!

Scope of Z89.1 - 2003

American National Standard for Head Protection

The most recent standard was approved in July 2003 and continues to cover requirements for two types of impact-resistant helmets:

1. TYPE I (Top Impact)

Helmets intended to reduce the force of an impact to the top of a wearer's head.

2. TYPE II (Top and Lateral Impact)

Helmets intended to reduce the force of an impact resulting from a blow received off-center or to the top of a wearer's head.

The new standard's performance requirements for Type I and Type II Helmets are equivalent to those specified in the 1998 revision.

Electrical Performance

1. CLASS E (Electrical)

Helmets intended to reduce the danger of exposure to high-voltage electrical conductors, proof-tested at 20,000 volts.

2. CLASS G (General)

Helmets intended to reduce the danger of exposure to low-voltage electrical conductors, proof-tested at 2,200 volts.

3. CLASS C (Conductive)

Helmets not intended to provide protection from electrical conductors.

The electrical performance requirements in the 2003 standard are identical to those in the 1997 standard.



HEAD, EYE AND FACE PROTECTION

V-Gard® Protective Caps and Hats

Third-party certified by



SAFETY EQUIPMENT INSTITUTE

V-Gard Protective Caps and Hats from MSA consist of a polyethylene shell and suspension system working together as a protection system. V-Gard headwear features advanced styling in either cap or hat styles, with the cap available in three sizes: small (6–7¹/₈), standard (6¹/₂–8) and large (7–8¹/₂).

V-Gard Caps and Hats meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, Class E, and also as outlined in CSA 294.1-2005 (Class E) with 1-Touch and Fas-Trac suspensions.

V-Gard Caps and Hats are not specifically designed to protect against lateral blows from the front, side, or rear. MSA's Vanguard™ II Protective Helmets are so designed and must be used if lateral protection is desired. For more information, contact your MSA distributor.

⚠ WARNING

Do not mix suspension and helmet sizes. Make sure the sizes match (example: standard-size suspension with standard-size helmet). Use only MSA suspensions on an MSA helmet. Failure to comply with the above will reduce the energy-absorbing ability of the protective helmet, which can result in serious injury or death.



V-Gard Complete Assemblies

Color	Small V-Gard Slotted Cap		Standard V-Gard Slotted Cap			Large V-Gard Slotted Cap		V-Gard Hat Non-Slotted			
	w/ Staz-On Suspension	w/ Fas-Trac® Suspension	w/ Staz-On Suspension	w/ 1-Touch* Suspension	w/ Fas-Trac® Suspension	w/ Uni-Pro Suspension	w/ Staz-On Suspension	w/ Fas-Trac Suspension	w/ Staz-On Suspension	w/ 1-Touch* Suspension	w/ Fas-Trac® Suspension
White	466354	477477	463942	10057441	475358	10004760	473284	477482	454733	10058321	475369
Blue	466355	477478	463943	10057442	475359	10004762	476928	477483	454732	10058320	475368
Yellow	466356	477479	463944	10057443	475360	10004761	473285	477484	454730	10058318	475366
Orange	•	•	463945	10057444	475361	10004767	•	•	454734	10058322	496075
Red	•	•	463947	10057446	475363	10004763	•	•	454736	10058324	475371
Green	•	•	463946	10057445	475362	10004765	•	•	454735	10058323	475370
Gray (navy)	•	•	463948	10057447	475364	10004766	•	•	454731	10058319	475367
Hi-Viz Orange	•	489368	488148	10057420	488146	10004764	•	489364	489360	10058326	10021292
Hi-Viz Lime Green	•	•	815558	•	815565	10017732	•	•	815562	•	815570
Hi-Viz Yellow-green	•	•	•	10061514	10061512	•	•	•	•	10061516	10061515
Dark (Canadian) Blue	•	•	•	•	802972	•	•	•	•	•	802975
Gold	•	•	464852	•	475365	10004768	•	•	•	•	•
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	•	•	•	•	•	•

Special V-Gard Assemblies**

White, w/L/B and C/H (Class C)	•	•	460018	•	•	•	•	•	460069	•	815009
White, w/American Flag	•	•	474159	•	•	•	•	•	•	•	•

V-Gard Assembly with Swing-Ratchet Suspension

White standard-size V-Gard Cap, w/Swing-Ratchet Suspension	10004689
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*CSA approved.

For V-Gard Cap and Hat Accessories, see pp. 108–110.



Many Americans are looking for a way to express our country's solidarity. For this reason, MSA has designed the **Freedom Series** of helmets. This series features a V-Gard® Cap with Fas-Trac® ratchet suspension and a patriotic design over the entire shell. See p. 111 for more information.



HEAD, EYE AND FACE PROTECTION

Accessories for V-Gard® Caps and Hats

Replacement Suspensions



Staz-On® Suspension System

1-Touch™ Suspension System

Fas-Trac® Suspension System

Swing-Ratchet Suspension System

Adapters and Plastic Instant Release Attachments for Welding Shields



Plastic Instant-Release for Welding Helmet

Defender + Faceshield Frame with Instant-Release

Kits permit the easy attachment of Welding Shields and SparkGard Faceshields with visors to MSA's helmets.

Faceshield Frames and Muffs

All frames meet Z87.1-2003.
All frames come without visors.
For Visors see p. 109

Defender + Frame

Defender® + Faceshield Frame

- Front-drip-edge splash protection
- Unlimited number of lift stop positions
- Snap-in ear muff option
- Easy in, easy out visor replacement
- Optional Cap lockdown clip
- Meets Z87.1 2003



Defender + Frame, Sound Blocker 26 Muff Assembly

Replacement Suspensions

	Small (6-7 1/8)	Standard (6 1/2-8)	Large (7-8 1/2)
Staz-On Suspension	467386	454230	492566
Fas-Trac Suspension	492567	473332	492568

1-Touch Suspension

For standard size V-Gard Cap or Hat (6 1/2-8)	10061123
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UniPro Suspension

For standard size V-Gard Cap or Hat (6 1/2-8)	10004788
Replacement sweatbands, for Uni-Pro only, pkg. of 5	10004786

Swing Ratchet Suspension

Swing ratchet for standard size V-Gard Cap or Hat (6 1/2-7 5/8)	816645
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Welding Shield Attachments

Plastic Instant-Release Attachment

Instant-Release and lugs for slotted caps	10036456
Instant-Release, less lugs, for slotted caps	10039111

Defender+ Frame with Instant-Release Attachment

Defender + frame for slotted cap, without lock-down	10037098
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Welding Kits

Standard Adapter for Welding Helmets and Sparkgards	488525
EC Adapter Kit (positive positioning type)	806211
Sparkgard only	456568

Faceshield Frames and Muffs

Defender + Faceshield Frames

Defender + Faceshield Frame for V-Gard Caps with lockdown clip on brim	10021614
Defender + Faceshield Frame for V-Gard Caps without lockdown clip	10021616

Ear Muff Accessories for Defender + Frame

Sound Blocker 26 (26 NRR) (includes clips)	10026398
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Defender + Universal Foldback Frames (Plastic and Metal)

Plastic (Dielectric), for Cap	10016742
Plastic (Dielectric), for Hat	10005383
Metal, for Cap	488160
Metal, for Hat	488159

Nitrometer Additions

Chin Guard for Nitrometer Mask, black polypropylene	10022242
Chin Guard for Nitrometer Mask, clear polycarbonate	10022241

⚠ WARNING

Do not use metal Foldback Faceshield Frame in electrical applications. Failure to follow this warning can result in serious injury or death.

Defender® + Universal Foldback Faceshield Frames



Universal Plastic Defender + Foldback Faceshield Frames

Metal Defender + Foldback Faceshield Frames

- Plastic (dielectric) or metal models
- Available in cap or hat models
- Use with slotted or non-slotted helmets

HEAD, EYE AND FACE PROTECTION



Visors

Choose from a wide variety of visors that fit easily on MSA faceshield frames. **MSA visors are manufactured for use on ONLY MSA frames and assemblies for compliance with ANSI Z87.1 2003.**



Visors should always be worn with primary eye protection such as MSA high impact-resistant spectacles or goggles. Visors should be inspected frequently and replaced immediately if worn, scratched, or damaged in any way. Selection of proper models for specific hazards and communication of all instructions, precautions, and limitations to the wearer is the responsibility of user safety specialists, who are also responsible to see that they are strictly observed. Failure to comply with any of the above could result in serious injury or death.

Approvals

All MSA Visors meet or exceed applicable requirements of ANSI Z87.1 2003.

▲ WARNING

Do not use MSA visors for welding, elevated temperature applications, or for protection against other infrared radiation sources unless the MSA visor is approved for such applications. Never use any MSA visor for sports, simulated war games, paintball games, or similar activities. A pitted or scratched lens reduces eye protection and vision. Inspect routinely and replace worn or damaged parts immediately. Do not alter or modify this product. Do not use near open flame. Failure to follow these warnings can result in permanent impairment of sight, other serious personal injury, or death.

▲ CAUTION

Maintenance: clean visor with mild soap and water. Cleaning dry or with coarse cloth will scratch the visor.

Visors

Acetate Visors	Size (inches)	Part No.
Clear	8 x 16 x .040	488133
Clear	6 x 16 x .040	491909
Clear	8 x 16 x .060	488134
Clear	8 x 19 x .040	488139
Med. green tint	8 x 16 x .040	488135
Med. green tint	8 x 16 x .060	488136
Dark green tint	8 x 16 x .040	488137
Shade 5	8 x 16 x .060	805569
Polycarbonate Visors	Size (inches)	Part No.
Clear (Molded)	10 x 20 x .060	10063106
Clear (Formed)	8 x 16 x .040	488131
Clear (Formed)	8 x 16 x .060	488132
Clear (Flat)	8 x 15½ x .040	10017934
Clear (Formed)	8 x 19 x .060	488138
Clear (Formed)	6 x 16 x .060	491908
Clear (Fog-free)	8 x 16 x .040	802337
Propionate Visors	Size (inches)	Part No.
Clear	8 x 15½ x .060	10005883
Dark Green	8 x 15½ x .060	10005885
Shade 5 (green) — Z87 Basic Impact	8 x 15½ x .060	10005882

Nitrometer Visors and Chinguards

Visors	Size (inches)	Part No.
Clear acetate	6 x 16 x .040	488127
Clear polycarbonate	6 x 16 x .040	488126
Medium green acetate	6 x 16 x .040	492220
Clear polycarbonate (fog free)	8 x 19 x .060	494916

Chinguards for Nitrometer Visors Listed Above

Clear polycarbonate		10022241
Black polypropylene		10022242

Other Nitrometer Visor & Chinguard	Size (inches)	Part No.
Shade #5, green, propionate	6 x 16 x .060	10005881
Chinguard, polycarbonate, black (for use only with above visor P/N 10005881)		10013631

Wire Screen Visors (Z87.1 basic impact protection)	Size (inches)	Part No.
Plastic edge, 20 mesh (not for use in elevated temperatures)	6½ x 14	476356
Aluminum edge, 20 mesh (not for use in areas where splash may occur)	8 x 17½	457409

Arc Shield Visor*	Size (inches)	Material	Part No.
Light green tint (for electrical arc protection), 10 Cal	10 x 20 x .060	propionate	10006024
Light green tint (for electrical arc protection) complete with permanently attached chinguard, 14 Cal — Z87 Basic Impact	10 x 20 x .060	propionate	10063107

*Arc Shields meet NFPA 70E, Class 2.

HEAD, EYE AND FACE PROTECTION

Accessories for V-Gard® Caps and Hats, continued

✓ Sound Control™ Cap Models

Hearing protection designed to fit your V-Gard Helmet.

EXC cap model HPE cap model XLS cap model



Sound Control Cap Models are designed for easy attachment to slotted MSA Caps and help to reduce the effects of excessive noise. Noise Reduction Rating (NRR) is third-party certified in accordance with ANSI S3.19-1974, CSA Class A and EN352-3.

✓ Various V-Gard Helmet Accessories



Terri-Band Sweatband

Goggle Retainers



V-Gard and Advance Sun Shield

Chinstrap (attaches to suspension)

Chinstrap (attaches to helmet)

Terri-Band Sweatband

Custom design fits all MSA helmets. Washable and has plastic snaps.

Goggle Retainers

MSA's Goggle Retainers are designed for applications where goggles must be worn with helmets.

Sun Shield

Sun Shield extends the brim all the way around to help protect wearer's ears & neck from sun's rays. Made of polyurethane (front portion is Lexan, smoke tint).

V-Gard Accessories

Hearing Protection—Sound Control Cap Models

HPE cap model, complete with brackets (NRR 27 dB)	10061272
EXC cap model, complete with brackets (NRR 25 dB)	10061230
XLS cap model, complete with brackets (NRR 22 dB)	10061535
Sound Blocker 26 cap model (NRR 26), for use with Defender + Faceshield Frame	10026398

Medical Information Carrier System

This small, simple hardhat accessory can provide crucial, even lifesaving information, in the event of a medical crisis while the worker is on the job.

Medical Information Carrier System (pkg. of 10)	10013393
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Other V-Gard Helmet Accessories

Custom Terri-Band Sweatband (single)	10068911
Custom Terri-Band Sweatband (pkg of 10)	696688
Goggle Retainer for protective caps, less goggles	459458
Goggle Retainer for protective hats, less goggles	449895
Sun Shield for Standard V-Gard Cap only	697290
Sun Shield for V-Gard Hat only	697410
Sun Shield for V-Gard Advance Cap	10039114
Chinstrap, plastic (attaches to the shell)	88128
Chinstrap, elastic (attaches to the suspension)	81391

✓ Medical Information Carrier System



This small, simple hardhat accessory can provide crucial, even lifesaving information, in the event of a medical crisis while the worker is on the job.

✓ Helmet Lights and Slot Adapters



Stealthlite & Light Holder for Slotted Caps

VersaBrite II Light

MSA offers three helmet lights that fit into our special cap or hat adapters. All of the lights are FM and CSA-approved for intrinsic safety, and are non-incendive. **To order, see page 120.**

HEAD, EYE AND FACE PROTECTION

Freedom Series™ Helmets



American Stars and Stripes Cap and Hat



American Flag and 2 Eagles Cap and Hat



Dual American Flag Design



Patriotic Canadian



Camouflage Cap and Hat



Patriotic Mexican



"United We Stand" Cap

Freedom Series Helmets

Full Decoration	V-Gard CAP with Fas-Trac® Suspension	V-Gard HAT with Fas-Trac® Suspension
American Stars and Stripes Design	10052945	10071157
American Flag with 2 Eagles	10052947	10071159
Camouflage Helmet	10065166	10071155
Dual American Flag Design	10050611	—
Patriotic Canadian	10050613	—
Patriotic Mexican	10052600	—
Front Logo Only		
"United We Stand" V-Gard Cap	10034263	—

Let Freedom Shine!

Hardhat wearers can express their patriotism and protect their heads by wearing one of MSA's new special series of Freedom caps and hats. The bright designs are exceptionally attractive, with a superior shiny finish, on the V-Gard Cap and Hat shell. Five designs are available:

- American Flag with 2 Eagles: waving American flag over entire cap or hat with golden eagle on each side
- American Stars & Stripes: red & white stripes on front, white stars on blue field over rest of cap or hat

- Dual American Flag: waving American flag on each side
- Patriotic Canadian: red maple leaf design
- Patriotic Mexican: eagle seal on cap front, Mexican flag on each side
- Camouflage: American flag on front (decal) and "Support Our Troops" on back of the cap or hat

The Freedom Series Caps, which come with MSA's Fas-Trac suspension are lightweight, durable, and comfortable. They meet all

applicable requirements of a Type I helmet as outlined in ANSI Z89.1-2003 and CSA Z94.1-2005 (Class E). The helmet's accessory slots accept all MSA V-Gard accessories. Also, your logo can be custom-imprinted on top of the design, if desired.

Another way Americans can express their solidarity is with a special "United We Stand" hardhat, which is a white V-Gard Cap with Fas-Trac ratchet suspension, and the "United We Stand" logo.

Nascar Racing Team Signature V-Gard® Helmet



Racing fans across the country can have "on-the-job" protection against impact from falling objects, while showing their loyalty to their favorite racing team. The Nascar Racing Team Signature V-Gard Cap offers superior quality, comfort, and protection. The Nascar Racing Team Signature Cap meets or exceeds all applicable requirements of a Type I helmet as outlined in ANSI Z89.1-2003 and CSA Z94.1-2005 (Class E). Safety directors appreciate how

these caps complement their safety programs. With more workers inclined to wear them, they can improve wearer acceptance.

Nascar Racing Team Signature V-Gard Helmet

Driver	V-Gard Cap with Fas-Trac® Suspension
#14-Dale Earnhardt Jr.	10028971

HEAD, EYE AND FACE PROTECTION

NFL V-Gard® Helmets



Wear them at work, at home, or even at the game. The NFL line of V-Gard Caps with the comfortable strap-adjustable, 1-Touch™ suspension offers superior quality, comfort, and protection. NFL V-Gard Caps meet or exceed all applicable requirements for a Type I helmet as outlined in ANSI Z89.1-2003 (Class E) and CSA Z94.1-2005 (Class E). Safety directors will appreciate how NFL V-Gard Caps complement a safety program and improve wearer acceptance.



NEW NFL line of spectacles available August 06.

NFL V-Gard Helmets

V-Card Cap	Part No.	V-Card Cap	Part No.
Arizona Cardinals	818384	Miami Dolphins	818399
Atlanta Falcons	818385	Minnesota Vikings	818400
Baltimore Ravens	818386	New England Patriots	818401
Buffalo Bills	818387	New Orleans Saints	818402
Carolina Panthers	818388	New York Giants	818403
Chicago Bears	818389	New York Jets	818404
Cincinnati Bengals	818390	Oakland Raiders	818405
Cleveland Browns	818391	Philadelphia Eagles	818406
Dallas Cowboys	818392	Pittsburgh Steelers	818407
Denver Broncos	818393	San Diego Chargers	818408
Detroit Lions	818394	San Francisco 49ers	818409
Green Bay Packers	818395	Seattle Seahawks	818410
Houston Texans	10031348	St. Louis Rams	818411
Indianapolis Colts	818396	Tampa Bay Buccaneers	818412
Jacksonville Jaguars	818397	Tennessee Titans	818413
Kansas City Chiefs	818398	Washington Redskins	818414

NFL Properties, the NFL, and its Member Clubs make no express or implied claims with respect to the effectiveness and safety of these products and have not manufactured or endorsed these products in any way.

Custom-Imprinting and Striping Logo Express® Service for MSA Helmets

A variety of MSA helmets are available with your logo, slogan or striping imprinted on the headwear. You can select the colors and the areas to be imprinted. MSA uses both single and multi-color imprinting techniques to provide a choice of up to four colors.

Image 2000SM

MSA offers the Image 2000 Service, which uses a photographic process to reproduce images on white MSA helmets only.

Striping



Ordering Information

A minimum quantity of 20 custom-imprinted caps or hats (of the same size or model) is required for initial and repeat orders.

**5-day turnaround
for new logo orders!
Call MSA Logo Express
for details.**



**If you have any questions, please call your local MSA distributor or MSA Logo Express
1-800-MSA-LOGO (1-800-672-5646).**

**More details are also
on our LogoExpress Web site:
www.MSAnet.com/logoexpress**



HEAD, EYE AND FACE PROTECTION

Advance® Cap: Vented and Non-Vented Styles

Vented Advance Caps provide cooling vents for improved air circulation and comfort, while the **Non-Vented Advance Caps** are appealing to users who want both the new Advance styling AND dielectric head protection. **Advance Caps** from MSA feature a combination of advanced features and styling:

- Vented version for improved air circulation
- Optional 4- or 6-point Fas-Trac suspension system
- Lightweight design for added comfort
- Lateral contours above the ear for easy integration of hearing protection
- Glaregard™ underbrim to reduce reflective glare
- Custom printing available
- Sun Shield available—extends the brim all the way around

Advance Caps consist of a polyethylene shell and 4- or 6-point or Fas-Trac® ratchet suspension that work together as a protective system.

Advance Caps meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003 and CSA Z94.1-2005. Non-Vented meet Class E and **Vented meet Class C.**



Left: 4-Point Fas-Trac Replacement Suspension
P/N 10034966
Right: 6-Point Fas-Trac Replacement Suspension
P/N 10034967

Advance Cap with Sun Shield
P/N 10039114

Advance Cap: Vented and Non-Vented Styles

Complete Assemblies - Vented

Color	4-Point Fas-Trac Suspension	6-Point Fas-Trac Suspension
White	10034018	10034027
Blue	10034019	10034028
Yellow	10034020	10034029
Red	10034022	10034031
Green	10034023	10034032
Hi-Viz Orange	10034026	10034035
Hi-Viz Lime Green	10035212	10035213

Complete Assemblies - Non-Vented

Color	4-Point Fas-Trac Suspension	6-Point Fas-Trac Suspension
White	10034088	10034097
Blue	10034089	10034098
Yellow	10034090	10034099
Green	10034093	10034102

Replacement Parts And Accessories

Replacement Suspensions

4-Point Fas-Trac Suspension (6-1/2-8)	10034966
6-Point Fas-Trac Suspension (6-1/2-8)	10034967

Accessories

Faceshield Frames

Defender + Faceshield Frame for Advance Cap (not equipped with lockdown clip)	10021616
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Visors*

Visor Type	Color	Size (inches)	Part No.
Acetate visor (glare) (formed)	Medium green tint	8 x 16 x .060	488136
Polycarbonate visor (formed)	Clear	8 x 16 x .060	488132
Nitrometer visor (formed)	Clear polycarbonate	6 x 16 x .040	488126

Chinguard

Chinguard for Nitrometer visor—black	10022242
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Hearing Protection

HPE cap model (26 NRR), complete with brackets	10061272
EXC cap model (24 NRR), complete with brackets	10061230
XLS cap model (22 NRR), complete with brackets	10061535
Sound Blocker 26 (26 NRR) for use with Defender + Frame	10026398

Sun Shield

Advance Sun Shield, polyurethane (front portion is Lexan, smoke tint)	10039114
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Advance Cap with Defender + Faceshield Frame, Visor, and Sound Blocker 26 Hearing Protector

HEAD, EYE AND FACE PROTECTION

Topgard® Protective Caps and Hats

Lightweight, durable Topgard slotted Caps and non-slotted Hats are built for use by utilities and other industries where head protection from falling objects is necessary, along with good dielectric properties (non-conduction of electrical current). Limited resistance to top impact or penetration is retained through a wide range of temperatures.



Topgard Caps and Hats meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003 and CSA Z94.1-2005, Class E (electrical—high voltage).

Topgard Caps and Hats are not specifically designed to protect against lateral blows from the front, side or rear. MSA's Vanguard Type II protective helmets are so designed and must be used if lateral protection is desired. For more information, contact your local MSA distributor.

For more complete information, see Data Sheet 06-00-02.

For Cap and Hat Accessories, see pp. 118–122.

Third-party certified by:



Topgard Assemblies

Color	Topgard Slotted Cap		Non-slotted Topgard Hat	
	w/ 1-Touch	w/ Fas-Trac	w/ 1-Touch	w/ Fas-Trac
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/lb & ch	448914	•	•	•

Replacement Suspensions

Standard Size 1-Touch Suspension (6½–8) for Topgard Cap or Hat	10061127
Standard Size Fas-Trac Suspension (6½–8) for Topgard Cap or Hat	473333
Swing Fas-Trac Suspension (6½–7½) for Topgard Cap or Hat	816648

Hearing Protection—Sound Control™ Cap Models

HPE cap model, complete with brackets (NRR 26 dB)	10061272
EXC cap model, complete with brackets (NRR 24 dB)	10061230
XLS cap model, complete with brackets (NRR 23 dB)	10061535
S/B 26 cap model (NRR 26), for use with Defender+ Faceshield Frame	10026398

Thermalgard® Protective Caps

Thermalgard Slotted Caps are lightweight, high-strength helmets intended for use where workers may need a helmet with elevated temperature capability. The injection-molded, rivetless shell of glass-reinforced nylon has a beaded edge for improved rigidity. Slots in the cap provide for mounting hearing protection muffs, welding shields, and faceshields.



Thermalgard Caps meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, Class G (electrical—low voltage). The Thermalgard Cap also meets CSA Z94.1-2005 (Class G).

Thermalgard Caps are not specifically designed to protect against lateral blows from the front, side or rear. MSA's Vanguard Type II protective helmets are so designed and must be used if lateral protection is desired. For more information, contact your local MSA distributor.

For Cap Accessories, see pp. 118–122.

Third-party certified by:



Thermalgard Assemblies

Color	w/ 1-Touch	w/Fas-Trac
Yellow	486964	486959
White	486965	486960
Red	486966	486961
Orange	486967	486962
Blue	486968	486963
Gray	•	487677
Bright Orange	800359	800360
Green	487399	814343

Replacement Suspensions

Std size 1-Touch Suspension (6½–8)	10061127
Std size Fas-Trac Suspension (6½–8)	473333
Std size Fixed Crown Suspension (6½–7½)	82797
Swing Fas-Trac Suspension (6½–7½)	816648

Hearing Protection—Sound Control™ Cap Models

HPE cap model, w/brackets (NRR 27 dB)	10061272
EXC cap model, w/brackets (NRR 24 dB)	10061230
XLS cap model, w/brackets (NRR 22 dB)	10061535
S/B 26 cap model (NRR 26), for use with Defender+ Faceshield Frame	10026398

HEAD, EYE AND FACE PROTECTION

Skullgard® Protective Caps and Hats



Skullgard with swing-ratchet suspension

Skullgard Caps and Hats feature heavy-duty construction for use in steel mills and other heavy industries where elevated temperatures are common. Skullgard Caps and Hats meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, Class G (electrical—low voltage).

Third-party certified by:



Replacement Suspensions

Size	Staz-On	Fas-Trac	Fixed-Crown®	Swing Fas-Trac	1-Touch
Std (6½–8)	454231	473334	79717 (6½–7½)	816654 (6½–7½)	10061128
Large (7–8½)	468096	478454	—	—	—

Skullgard Assemblies

	Skullgard Cap			Skullgard Hat	
	Staz-On	Fas-Trac	Swing-Ratchet	Staz-On	Fas-Trac
Natural tan	454617	475395	816651	454664	475407
White	454618	475396	•	454665	475408
Yellow	454619	475397	•	454666	•
Red	454620	•	•	•	•
Green	454621	•	•	454668	•
Grey	454622	•	•	•	•
Blue	454623	•	•	•	•
Orange	454626	•	•	454673	•

Alternative Skullgard Assemblies

Large Skullgard Cap with Staz-On suspension, natural tan	82018
Standard Skullgard Cap with Staz-On suspension, lamp bracket and cord holder, natural tan	460409
Skullgard Hat with Staz-On suspension, lamp bracket and cord holder, natural tan	460389
Skullgard Cap with Fas-Trac suspension, Welder's Lugs, natural tan	482002

Topgard® HTE Protective Caps

New!

Lightweight, durable Topgard HTE slotted Caps are built for use by industries where elevated temperature, Class E head protection is necessary. Limited resistance to top impact or penetration is retained through a wide range of temperatures.

Topgard HTE Caps meet or exceed the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, CSA Z94.1-2005, Class E (electrical—high voltage) and NFPA 70E.

Topgard HTE Caps are not specifically designed to protect against lateral blows from the front, side or rear. MSA's Vanguard Type II protective helmets are so designed and must be used if lateral protection is desired. For more information, contact your local MSA distributor.

For Cap Accessories, see pp. 118–122.



Topgard HTE Assemblies

	White	Yellow	Red	Blue	Orange
Fas-Trac Suspension	10074921	10074922	10074910	10074909	10074908

Replacement Suspension

Standard Size Fas-Trac Suspension (6½–8) for Topgard Cap or Hat	473333
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Defender + Faceshield Frames for Slotted Caps (Less Visor)

Defender + Faceshield Frame for Topgard Caps with lockdown clip	10021615
Defender + Faceshield Frame, elevated temperature (polycarbonate) (replaces Tempgard)	10031191

Arc Shield Visor For protection from electric arcing. Call for protection level. Meets ANSI Z87 and NFPA 70E, Class 2.

Color	Material	Size (inches)	Part No.
Tinted (light green/brown) – HIGH IMPACT, 10 Cal	propionate	10 x 20 x .060	10006024
Tinted (light green/brown) complete w/chinguard, 14 Cal – basic Z87.1	propionate	6 x 20 x .060	10063107

Comfo-Cap® Protective Headwear

Designed for work in low-ceiling areas



The Comfo-Cap Protective Cap is widely used in the mining industry for head protection.

Made of lightweight, tough polycarbonate plastic, the shell helps resist top impacts. Molded cross ridges on the crown provide increased strength and rigidity.

Comfo-Cap Protective Headwear meets or exceeds the applicable requirements for a Type I helmet (top impact) as outlined in ANSI Z89.1-2003, Class G (electrical—low voltage).

Note: The Comfo Cap is not specifically designed to protect against lateral blows from the front, side or rear. MSA's lateral protective helmets are so designed and must be used if lateral protection is desired. For more information, contact your MSA distributor.

Comfo Cap Assemblies

	White	Blue	Yellow	Orange	Red	Green	Black
Staz-On Suspension	91522	91586	91585	91589	91590	91584	82769
Fas-Trac Suspension	475336	•	•	•	•	•	•

Replacement Suspensions

Description	Part No.
Staz-On Suspension (6½ – 8)	454231
Fas-Trac Suspension (6½ – 8)	473334
1-Touch Suspension (6½ – 8)	10061128

Attachments

Description	Part No.
Lamp Bracket (for all MSA helmets), must be screwed on (Class C)	15244
Cord Holder (for all MSA helmets), must be screwed on (Class C)	85277
Chinstrap—attaches to suspension	81329

HEAD, EYE AND FACE PROTECTION

Vanguard™ II Helmets for Lateral Protection and Emergency Response



Vanguard II Cap with Defender + Frame and visor

Vanguard II (polyethylene) Complete Assemblies with Fas-Trac Ratchet Suspension

Color	Part No.
Yellow	804939
White	804940
Red	804944
Blue	804946
Hi-Viz Orange	804947

Vanguard II Helmets are designed to provide limited impact and penetration protection in the event of a top or lateral blow to the head. Compliant with test requirements of ANSI Z.89.1-2003 and CAN/CSA Z94.1-2005 Class E for Type I and II helmets.

Custom imprinting and striping available.



For special imprinting, contact Logo Express (see p. 112).

Replacement Suspension

Fas-Trac Suspension for Vanguard Helmets only (6 1/2 in–8 in)	804631
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Chinstraps

Two-point chinstrap	804630
Three-point chinstrap (for maximum retention)	804629

Defender® + Foldback Faceshield Frame (Plastic)

The Foldback Faceshield Frame with visor, for use with Vanguard Helmets only, provides limited eye and face protection.

Defender + Universal Foldback Faceshield Frame—attaches with band (visor not included)	10016742
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Visors

Polycarbonate visor, clear, 8 x 16 x .060 in.	488132
Fog-free polycarbonate visor, clear, 8 x 16 x .040 in.	802337

⚠ WARNING

Use only MSA's Fas-Trac Suspension designed for Vanguard II 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.

Canadian Super-V™ Helmets for Lateral Protection



Canadian Super-V Helmets consist of a shell, foam liner, and suspension system working together to provide limited impact and penetration protection in the event of a top or lateral blow to the head, as well as limited protection against contact with high-voltage conductors. Representing the latest generation of protective headwear, Canadian Super-V Helmets are tested for both top and lateral blows. The Super-V Helmet is certified to the CAN/CSA Z94.1-2005 standard, Class E for Type I and II helmets and meets all applicable requirements of ANSI Z89.1-2003 for a **Type I** helmet (Class E.)



Complete Assemblies

Complete with Fas-Trac Suspension and Foam Liner

White	C217091
Yellow	C217093
Blue	C217092
Orange	C217094
Red	C217095
Green	C217096
Navy Gray	C217097
Gold	C217098
Black	C217140
Silver	C217099
Hi-Viz Orange	C217100

Replacement Suspension

Fas-Trac suspension for Super-V Helmet only (6 1/2-8)	818276
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Faceshield Frames

Defender + Faceshield Frame (not equipped with lockdown clip)	10021616
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Visors*

Visor Type	Color	Size (inches)	Part No.
Acetate visor (glare) (formed)	Medium green tint	8 x 16 x .060	488136
Polycarbonate visor (formed)	Clear	8 x 16 x .060	488132

Ear Muff Accessories

HPE cap model, complete with brackets	10061272
XLS cap model, complete with brackets	10061535
Sound Blocker™ 26 (26 NRR) for use with Defender + Frame	10026398

⚠ WARNING

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



Defender® + Frame shown on V-Gard Cap

HEAD, EYE AND FACE PROTECTION

Wildland® T Firefighters' Helmets



Wildland T Cap with chinstrap

Wildland T full-brimmed Hat with chinstrap

Lightweight Wildland T Firefighters' Helmets are engineered to meet the requirements of wildland firefighters, who must combat fire in forest, field, and woodland environments.

The Wildland T hat and cap—made of lightweight heat-resistant thermoplastic, for excellent protection against impact and penetration—are SEI-certified and meet all the applicable requirements for a Type I helmet as outlined in ANSI Standard Z89.1 (Class E) 2003 and NFPA 1977–2005.

Wildland T Helmet Assembly includes 4-point ratchet suspension, 3 goggle clips, 4 reflective stripes, elastic chinstrap, and 3 Velcro strips for easy liner attachment inside the shell. Patented Glaregard™ underbrim helps to reduce glare.



Left: Wildland T Cap with NFPA-compliant Nomex ear/neck/throat protector (P/N 10028777) and InnerZone Three Goggle

Right: Wildland T Cap with Nomex ear and neck protector (P/N 10028778) and InnerZone Three Goggle

Wildland T Cap and Hat Assemblies with Fas-Trac® Ratchet Suspension

Color	CAP	Full-Brimmed HAT
Yellow	809902	809892
White	809903	809893
Red	809904	809894
Blue	809905	809895
Orange	809906	809896

Replacement Suspension

Special Fas-Trac suspension for Wildland T cap or hat (6 1/2-8)	10068913
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Accessories for Wildland T Helmets

Nomex Liners	
Nomex ear/neck/throat protector with flame-retardant cotton lining (certified compliant to NFPA 1977-1998)	10028777
Nomex ear/neck/throat protector	10028853
Nomex ear/neck protector with flame-retardant cotton lining	10028778
Nomex ear/neck protector, flame-retardant cotton lining and throat strap	10028779
Goggles and Retainers	
InnerZone Three firefighters' goggle	10032882
Goggle retainer for cap	459458
Goggle retainer for hat	449895
Chinstrap	
Nomex chinstrap with nylon hooks (attaches to the shell)	10003127

Other accessories are available. For spectacles, see p. 124–126.

For faceshield frames and visors, see pp. 118–119.

For hearing protection, see pp. 127–130.

Bump Caps

The bump cap is designed for applications in workplaces such as meat packing, food processing, pest control, meter reading, and automotive repair. It protects the scalp by reducing exposure to abrasions and lacerations caused by minor bumps to the head. The key word is "minor" bumps. Bump caps are appropriate ONLY for work situations which do NOT require ANSI-compliant head protection. Contact MSA if ANSI-compliant head protection is needed.

Features & Benefits

- Plastic cap: Provides scalp covering to reduce exposure to abrasions and lacerations due to minor bumps
- Molded from high-density polyethylene: Durable
- Perforated sides: Allows cross ventilation for better air circulation
- Adjustable sizing 6 1/2 to 8: Accommodates different head sizes, easy to use
- Cool and lightweight: Comfortable
- Smooth surface: Easy to clean
- No replacement parts

Custom Imprinting

- One-color imprinting available

Applications

- Designed for work in areas such as pest control, meter reading, food/beverage processing, meat packing, auto repair.



WARNING

These bump caps are NOT safety helmets and do NOT meet OSHA nor ANSI requirements for head protection. DO NOT USE as sport safety helmet. DO NOT USE when ANSI-compliant head protection is required or needed.

Plastic Bump Caps

Color	Part Number
Blue	10033650
Yellow	10033651
White	10033652
Red	10033653
Orange	10033654
Dark green	10033655

Accessories

Faceshield Frame	10016742
Visor, clear 8 x 15 1/2 x .040 polycarbonate	10017934



Plastic Bump Cap with Faceshield Frame and Visor

HEAD, EYE AND FACE PROTECTION

Faceshield Frames

Defender® + Faceshield Frame for Slotted Caps

The Defender + Faceshield Frame for slotted caps is available in three versions (see details in ordering information below). Features of the Defender + Frame include:

- Front-drip-edge splash protection.
- Unlimited number of lift stop positions.
- Long-lasting O-ring pivot-joint design.
- Snap-in ear muff option.
- Easy in, easy out visor replacement.
- Optional cap lockdown clip (V-Gard and Topgard cap models only).



Defender + Frame



Defender + Frame ,
Sound Blocker 26 Muff Assembly

Defender + Foldback Faceshield Frames (Plastic and Metal)



Plastic Defender + Foldback Faceshield Frames (Cap on Left, Hat on Right)



Metal Defender + Foldback Faceshield Frames (Cap on Left, Hat on Right)

Foldback Faceshield Frames come in plastic (dielectric) and metal. Both plastic and metal frames come in cap and hat models. These frames can be used with slotted or non-slotted helmets. All frames come without visors.

⚠ WARNING

Do not use metal Foldback Faceshield Frame in electrical applications. Failure to follow this warning can result in serious injury or death.

Defender + Faceshield Frames for Slotted Caps (Less Visor)

Defender + Faceshield Frame for V-Gard Caps with lockdown clip	10021614
Defender + Faceshield Frame for Topgard Caps with lockdown clip	10021615
Defender + Faceshield Frame for all MSA Slotted Caps, not equipped with lockdown clip	10021616
Defender + Faceshield Frame, elevated temperature (polycarbonate) (replaces Tempgard)	10031191

Ear Muff Accessory for Defender + Frame

Sound Blocker 26 (26 NRR) (includes clips)	10026398
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Defender + Foldback Faceshield Frames (Plastic and Metal)

Plastic (Dielectric) Defender + Universal Foldback Faceshield Frames

Cap, less visor	10016742
Hat, less visor	10005383

Metal Defender + Universal Foldback Faceshield Frames

Cap, less visor	488160
Hat, less visor (works with all MSA helmets except Topgard)	488159

Defender® + Faceshield Assemblies

Defender + Faceshield Assembly, standard Sparkgard, pin-lock suspension, less visor	10021610
Defender + Faceshield Assembly, standard Sparkgard, ratchet suspension, less visor	10021611
Defender + Faceshield Assembly, extended Polycarbonate Sparkgard [for Elevated-Temp], ratchet suspension, less visor	10021612

Defender + Faceshield Assemblies

No Hardhat Required – Meet Z87.1-2003



Defender + Assembly with Visor and Chinguard (Nitrometer)



Defender + Assembly with Ratchet and Extended High-Temp Sparkgard

Use where no hard hat is required. They are available in three versions and all adjust to head sizes 6½ to 8. The extended high-temp Sparkgard is for use in temperatures up to 250°F.

Approvals

All MSA Faceshield Assemblies and Visors meet the applicable requirements of ANSI Z87.1-2003.

⚠ CAUTION

All faceshield assemblies must be worn with Z87.1 high impact eye protection such as spectacles or goggles.

HEAD, EYE AND FACE PROTECTION

MSA Visors



Choose from a wide variety of visors that fit easily on MSA faceshield frames.

Visors should always be worn with primary eye protection such as high impact-resistant spectacles or goggles. Visors should be inspected frequently and replaced immediately if worn, scratched, or damaged in any way. Selection of proper models for specific hazards and communication of all instructions, precautions, and limitations to the wearer is the responsibility of user safety specialists, who are also responsible to see that they are strictly observed. Failure to comply with any of the above could result in serious injury or death.

Approvals

Most MSA Visors meet or exceed applicable requirements of ANSI Z87+ (high impact).

⚠ CAUTION

Maintenance: clean visor with mild soap and water. Cleaning dry or with coarse cloth will scratch the visor.

⚠ WARNING

Do not use MSA visors for welding, elevated temperature applications, or for protection against other infrared radiation sources unless the MSA visor is approved for such applications. Do not use for sports, simulated war games, paintball games, or similar activities. A pitted or scratched visor reduces eye protection and vision. Inspect routinely and replace worn or damaged parts immediately. Do not alter or modify this product. Do not use near open flame. Failure to follow these warnings can result in permanent impairment of sight, other serious personal injury, or death.

MSA Visors

Acetate Visors

Color	Size (inches)	Part No.
Clear	8 x 16 x .040	488133
Clear	6 x 16 x .040	491909
Clear	8 x 16 x .060	488134
Clear	8 x 19 x .040	488139
Medium green tint	8 x 16 x .040	488135
Medium green tint	8 x 16 x .060	488136
Dark green tint	8 x 16 x .040	488137

Polycarbonate Visors

Color	Size (inches)	Part No.
Clear (Molded)	10 x 20 x .060	10063106
Clear (Formed)	8 x 16 x .040	488131
Clear (Formed)	8 x 16 x .060	488132
Clear (Flat)	8 x 15 1/2 x .040	10017934
Clear (Formed)	8 x 19 x .060	488138
Clear (Formed)	6 x 16 x .060	491908
Clear (Fog-free)	8 x 16 x .040	802337

Propionate Visors

Color	Size (inches)	Part No.
Clear	8 x 15 1/2 x .060	10005883
Dark Green	8 x 15 1/2 x .060	10005885
Shade 5 (green) – basic Z87.1	8 x 15 1/2 x .060	10005882

Nitrometer Visors and Chinguards

Visors

Color	Size (inches)	Part No.
Clear acetate	6 x 16 x .040	488127
Clear polycarbonate	6 x 16 x .040	488126
Medium green acetate	6 x 16 x .040	492220
Clear polycarbonate (fog free)	8 x 19 x .060	494916
Shade #5, green, acetate	6 x 16 x .060	817129

Chinguards for Nitrometer Visor

Color	Part No.
Clear polycarbonate	10022241
Black polypropylene	10022242

Other Nitrometer Visors and Chinguards

Color	Size (inches)	Part No.
Shade #5, green, propionate	6 x 16 x .060	10005881
Chinguard, polycarbonate (for use only with visor P/N 10005881)		10013631

Wire Screen Visors (Basic Z87.1)

Color	Size (inches)	Part No.
Plastic edge, 20 mesh (not for use in elevated temperatures)	6 1/2 x 14	476356
Aluminum edge, 20 mesh	8 x 17 1/2	457409

Arc Shield Visor For protection from electric arcing. Call for protection level. Meets ANSI Z87 and NFPA 70E, Class 2.

Color	Material	Size (inches)	Part No.
Tinted (light green/brown) – HIGH IMPACT, 10 Cal	propionate	10 x 20 x .060	10006024
Tinted (light green/brown) complete with chinguard, 14 Cal – basic Z87.1	propionate	6 x 20 x .060	10063107

Elevated-Temperature Visors

Color	Coating	Material	Size (inches)	Part No.
Clear	gold	polycarbonate	9 1/2 x 20 x .070	10005879
Medium green tint	gold	polycarbonate	9 1/2 x 20 x .070	10005880

HEAD, EYE AND FACE PROTECTION

Cap and Hat Accessories

Sound Control™ Cap and Hat Models

EXC cap model HPE cap model XLS cap model Soprano Muff for hats



Sound Control Cap Models are designed for easy attachment to slotted MSA Caps and help to reduce the effects of excessive noise. **HPE, EXC, XLS Noise Reduction Rating may vary depending on MSA helmet used.**

Helmet Lights and Slot Adapters



Stealthlite & Light Holder for Slotted Caps

VersaBrite II Light

MSA offers three helmet lights that fit into our special cap or hat adapters. All of the lights are FM and CSA-approved for intrinsic safety, and are non-incendive.

Sun Shields



V-Gard Sun Shield



Topgard Sun Shield

Sun Shield extends the brim all the way around to help protect wearer's ears and neck from sun's rays. Made of polyurethane (front portion is Lexan, smoke tint).

Goggle Retainers



MSA's Goggle Retainers are designed for applications where goggles must be worn with helmets. The non-metallic retainer can be worn on most MSA protective headwear meeting ANSI Z89.1 requirements without changing the headwear's dielectric qualifications (protection against electric shock) as long as goggle used is dielectric.

Chinstraps



Custom Terri-Band Sweatband



Custom design fits all MSA helmets. Washable and has plastic snaps.

Cap and Hat Accessories

Hearing Protection—Sound Control Cap and Hat Models

For use with Slotted Caps Only

HPE cap model complete with brackets	10061272
EXC cap model complete with brackets	10061230
XLS cap model, complete with brackets	10061535

For use with Non-Slotted Caps Only (Comfo/Skullgard Caps)

Sound Blocker 26 cap model (NRR 26)	10022021
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For use with all Full-Brimmed Hats

Soprano Muff Kit for Full Hats (NRR 25)	10034487
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For use with Defender + Faceshield Frame

Sound Blocker 26 cap model (NRR 26)	10026398
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Helmet Lights and Slot Adapters

VersaLite Helmet Light with 2 AA alkaline batteries	697259
Stealthlite Helmet Light (batteries not included)	697261
VersaBrite II Helmet Light with 2 AA alkaline batteries	697417
Light holder for slotted Cap—no metal parts	814322
Light holder for non-slotted Hat—May reduce the dielectric properties when bracket is attached.	814323

Helmet Light Replacement Parts

Standard lamp module for the Versalite	697357
Standard lamp module for the Stealthlite	697356
Hi-Performance lamp module for the VersaBrite II	697418

Sun Shields

Sun Shields for V-Gard Caps and Hats

Sun Shield for Standard V-Gard Cap only	697290
Sun Shield for V-Gard Hat only	697410

Sun Shield for Advance Cap

Sun Shield for Advance Caps only	10039114
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Sun Shields for Topgard Caps and Hats

Sun Shield for Topgard Cap only	697373
Sun Shield for Topgard Hat only	697410

Sun Shields for Vanguard II Caps

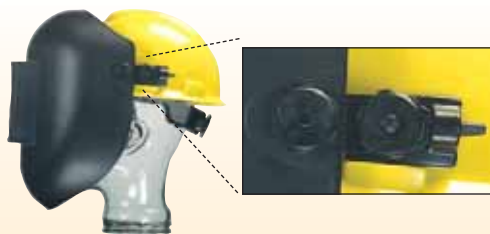
Designed for Vanguard II only	10005886
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Other Cap and Hat Accessories

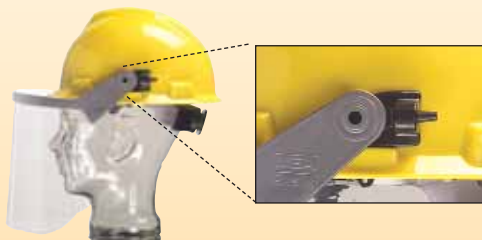
Custom Terri-Band Sweatband (single)	10068911
Custom Terri-Band Sweatband (pkg of 10)	696688
Goggle Retainer for protective caps, less goggles	459458
Goggle Retainer for protective hats, less goggles	449895
Chinstrap, plastic (attaches to the shell)	88128
Chinstrap, elastic (attaches to the suspension)	81391
Two-point chinstrap (for Vanguard II only)	804630
Three-point chinstrap (for Vanguard II only)	804629
Hard hat rack for back of car seat	696389

HEAD, EYE AND FACE PROTECTION

Adapter Kits for Welding Shields and Defender® + (Plus) Assembly



Plastic Instant-Release for Welding Helmet



Defender + Faceshield Frame with Instant-Release

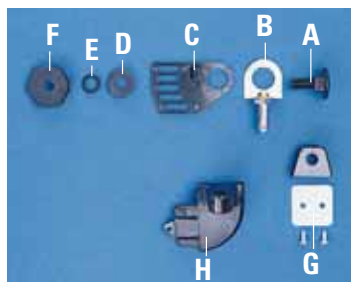
Kits permit the easy attachment of Welding Shields and SparkGard Faceshields with visors to MSA's helmets.



EC Adapter (left) and Sparkgard (right)—use plastic or metal Instant-Release with Sparkgard

Metal Instant-Release Attachment

Welding Adapter Kits	
Standard Adapter for Welding Helmets and Sparkgards	488525
EC Adapter Kit (positive positioning type)	806211
Sparkgard only	456568
Plastic Instant-Release Attachment*	
Instant-Release and lugs for slotted caps	10036456
Instant-Release, less lugs, for slotted caps	10039111
*Note: Cannot be used on Vented Advance Caps.	
Defender + Frame with Instant-Release Attachment	
Defender + frame for slotted cap, without lock-down	10037098
Metal Instant-Release Attachment	
Instant-Release and lugs for slotted caps (A, B, C, D, E, F, H)	485460
Lugs only, for instant-release slotted caps (H)	468771
Instant-Release and lugs for non-slotted caps, with stop (A, B, C, D, E, F, G)	91385
Lugs only, for instant-release non-slotted caps (G)	48733
Instant-release, less lugs, with stop (A, B, C, D, E, F)	456667
Friction joints, pair (A, D, E, F)	93631



Instant-Release Attachment

Welding Shields, Goggles and Accessories

MSA's thermal plastic welding shields protect a worker's eyes and face from infrared burns, flying sparks, hot metal spatter and chips encountered in welding operations. The nylon welding shields come in a variety of styles. When protection from overhead hazards is required.

For shade 5 welding visors, see p. 119.

For shade 5 welding spectacles, see p. 126.



Sightgard Welding Plates

Heat-Treated Glass Plates

Plate Size (in.)	Shade	Part No.
2 x 4 1/4	5	791923
2 x 4 1/4	10	791928
2 x 4 1/4	12	791930
4 1/2 x 5 1/4	6	38346
4 1/2 x 5 1/4	10	38347
4 1/2 x 5 1/4	12	38277
4 1/2 x 5 1/4	14	38348

Polycarbonate Cover/Back Plates

Plate Size (in.)	Shade	Part No.
2 x 4 1/4	clear	791933
4 1/2 x 5 1/4	clear	696095

Welding Shields—Fronts Only

Less headgear and attachments.

Plate Size 2" x 4 1/4"	Part No.
Non-coated black, slim-line, lift front	695943
Non-coated black, full-curved, lift front	695946
Coated silver, slim-line, lift front	695890
Coated silver, slim-line, coated lift front	695941
Coated silver, full-curved, lift front	695889
Plate Size 4 1/2" x 5 1/4"	Part No.
Coated silver, slim-line, fixed front	695888

HEAD, EYE AND FACE PROTECTION

ClearCommand® HCS Helmet Communication System

The Helmet Communication System from MSA is a state-of-the-art radio interface device which significantly improves the user's ability to receive and send messages even in loud ambient-noise environments. It goes wherever you go. The system consists of a helmet-mounted microphone and ear speaker assembly that weighs 5.3 ounces and easily snaps onto the user's industrial-style helmet's ratchet suspension.

Features and Benefits

- Easily snaps onto the ratchet suspension of industrial-style helmets. The unit can be easily transferred to other users, and no tools are required for removal.
- The bone-conduction microphone is made of soft silicone material, which makes it comfortable to wear, with no pressure points.
- The helmet microphone assembly can be reversed on the helmet suspension to position the ear speaker on either ear.
- The helmet mic system, when used with the lapel mic or PTT, is powered by the battery from the radio. No need to replace or re-charge dry cells.



For ordering information, see p. 57.



Winter Liners



Regular Zero Hood Liner



Extended Zero Hood Liner



Flame-retardant Zero Hood Liner



Flame-resistant Zero Hood Liner, Velcro Closure



Zipper-type Zero Hood Liner



Knit Cap Liner



Stretch Winter Liner



Economy Liner



Extended-Neck Liner



Standard Winter Liner



Extra-Warm Quilted Fleece Liner

Standard Winter Liners

Regular One-piece, two-ply Zero Hood® Liner

Standard—Velcro adjustable chinstrap and no metal parts	86092
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Extended-neck Zero Hood Liner

One-piece, two-ply winter liner; extended neck tucks into coat or jacket collar; nonmetallic Velcro-adjustable chinstrap	88587
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Flame-retardant Zero Hood Liner

Standard—For use in high-heat areas or around flames; durable flame-retardant cotton with Nomex binding and chinstrap; does not contain any metal parts. Meets Fed Spec #191 Method 5903	802439
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Flame-resistant two-piece Velcro closure Zero Hood Liner—

No metal parts; the two pieces are joined by non-metallic Velcro closures; knit ear lugs with Velcro closure	696473
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Zipper-type Zero Hood Liner with knit lugs to fit over ear muffs

Two-button front, ribbed-knit neckpiece attaches by metal zipper to crown-piece; knit ear lugs will fit over noise-attenuating ear muffs Caution: Liners that contain metal parts will have an effect on electric classifications	455930
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Knit Cap Liner

No chinstrap or other attachment; made of Orlon material [Caution: Should not be used around open flames, sparks or molten metal.]	34929
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Stretch Winter Liner

Mounts over the brim of a hard hat but can be adjusted to cover the neck and ears; made of Orlon material. [Caution: Should not be used around open flames, sparks or molten metal.]	695350
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EC Winter Liners

Economy Liner

Flame-retardant shell w/soft-napped interior; adjustable Velcro chinstrap; and three-button loop straps	697116
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Standard Winter Liner

Universal size. Two-ply liner w/flame-retardant shell; soft lining; adjustable Velcro chinstrap; and three-button loop straps	697117
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Extended-Neck Liner

Extended-neck; two-ply liner w/flame-retardant shell; soft lining; adjustable Velcro chinstrap; and three-button loop straps	697118
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Extra Warm Quilted Fleece Liner

Green nylon tricot shell; quilted w/foam; soft fleece lining	697119
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HEAD, EYE AND FACE PROTECTION

Sightgard® Single Lens Goggles

Softframe Single Lens Goggles



Softframe Perforated Single Lens Goggles



Softframe 4-Vent Single Lens Goggles

Softframe Goggles effectively fit most facial contours. Large, one-piece, .060-inch-thick polycarbonate lens provides wide, undistorted field of vision. Optional Anti-Fog Coated Lenses are available for work involving high humidity, temperature changes or greater worker exertion. The scratch-resistant coating is unaffected by most organic solvents, ammoniacal and alkaline detergents.

Approvals

Softframe, Clearvue, Respirator, and Rubber Frame Goggles by MSA meet all applicable requirements of ANSI Z87.1-2003—high impact (except Wire Screen Goggles).

Goggle Retainers



Sturdy neoprene-rubber accessory can be used with any protective cap or hat. Retains goggle on headwear when not in use and holds goggle securely when worn for eye protection.

Sightgard Single Lens Goggles

Type	Frame Color	Frame Style	Lens Type	Headband	P/N	Z87
Softframe	Clear	Perforated	Standard	Elastic	695847	High Impact
Softframe	Clear	Perforated	Anti-Fog	Elastic	695850	High Impact
Softframe	Clear	4-Vent	Standard	Elastic	695848	High Impact
Softframe	Clear	4-Vent	Anti-Fog	Elastic	695851	High Impact
Softframe	Clear	Nonvented	Anti-Fog	Elastic	695852	High Impact
Wire Screen	N/A	Nonvented	Wire	Elastic	695932	Basic
Respirator	Clear	4-Vent	Anti-Fog	Elastic	461027	High Impact
Rubber Frame	Clear	4-Vent	Acetate Standard	Rubber	791072	High Impact
Clearvue 200	Clear	Indirect Vent	Anti-Fog	Elastic	696776	High Impact

Goggle Retainers

Goggle Retainer only, for Protective Caps	459458
Goggle Retainer only, for Protective Hats	449895

Respirator Goggles



Softframe 4-vent Respirator Goggles by MSA are specially constructed to wear with MSA respirators and have a .060-inch-thick anti-fog clear lens.

Clearvue® 200 Goggles



These goggles feature an integrated-frame design and a flexible, rolled-in cushion at the temples which provides comfort without tension or pressure points.

Wire-Screen Goggles



Wire Screen Goggles feature a clear nonvented frame, wire lens, and elastic headband.

Rubber Frame Goggles



For use where fine dust in high-velocity concentration is a problem and where minor impact hazards exist.

HEAD, EYE AND FACE PROTECTION

The Sightgard® Line of Protective Eyewear

Sightgard Industrial Protective Eyewear is designed for protection against impact hazards and/or flying particles, dust, sparks, and glare. Sightgard Industrial Protective Eyewear provides excellent side- and front-impact protection while still being comfortable to wear. For more information, see Bulletin 0305-22-MC.

Approvals

All Sightgard Industrial Protective Eyewear meets ANSI Z87.1 – high impact. Selected eyewear meets CSA Z94.3 (indicated by *).

Easy-Flex™ Protective Eyewear

Flex for a Comfortable Fit

New!



- 99% UV protection
- Polycarbonate lenses for high-impact protection
- Temples and frame flex to fit a wide variety of faces
- Hard-coated lenses
- A choice of clear, gray, amber, “180 blue” mirror and “sky orange” mirror lenses

Easy-Flex, clear lens, blue-gray frame	10070917
Easy-Flex, gray lens, blue-gray frame	10070918
Easy-Flex, amber lens, blue-gray frame	10070919
Easy-Flex, “180 blue” mirror lens, blue-gray frame	10070920
Easy-Flex, “sky orange” mirror lens, metallic sand frame	10070921

Pyrenees™ Protective Eyewear



- Dual injection soft tip temples
- Available in several frame and lens colors
- Full side protection
- Meets Z87+ and CSA Z94.3.

Pyrenees, black frame, clear lens*	10033716
Pyrenees, black frame, gray lens*	10033717
Pyrenees, black frame, amber lens, AF*	10033740
Pyrenees, black frame, clear lens AF*	10033718
Pyrenees, black frame, gray lens, AF*	10033719

Arctic™ Elite Protective Eyewear



- Soft tip temples
- Padded nose bridge
- Lightweight
- A notch above the standard Arctics

Arctic Elite, clear, AF	10038845
Arctic Elite, gray, AF	10038846
Arctic Elite, light gold indoor/outdoor lens	10059671

Aurora™ Protective Eyewear



- 9-base curved lens
- Spring-comfort adjustable nose bridge
- Soft-end temples
- Vertical temple adjustment
- Anti-fog replaceable lens (blue mirror, hard coat lens only)

Aurora Eyewear with Black Frame	
Clear anti-fog lens	10026005
Gray anti-fog lens	10026006
Amber anti-fog lens	10026007
Blue mirror anti-fog lens	10026008

MAG™ Series Protective Eyewear

Magnification Built Right In

New!



- Full side protection
- Dual-injected soft tip temples
- A choice of three bifocal powers: 1.5, 2.0 and 2.5
- Polycarbonate lens for high impact and 99.9 UV protection
- Ergonomic temples for better fit and comfort

Mag 1.5 Clear lens, black frame and diopter strength of 1.5	10068832
Mag 2.0 Clear lens, black frame and diopter strength of 2.0	10065847
Mag 2.5 Clear lens, black frame and diopter strength of 2.5	10068833

*Meets CSA Z94.3.

HEAD, EYE AND FACE PROTECTION

Voyager™ Protective Eyewear

New!



- Full protection at a great price
- One-piece wrap around polycarbonate lens
- 99% UV protection
- Anti-fog lenses available
- Wide field of vision
- A choice of clear, gray and indoor/outdoor mirrored lenses

Voyager, clear lens	10065848
Voyager, clear anti-fog lens	10065849
Voyager, gray lens (UV 400 lens)	10065850
Voyager, gray anti-fog lens (UV 400 lens)	10065891
Voyager, indoor/outdoor mirrored lens	10065892

Arctic™ Protective Eyewear



- Stylish cat's eye look
- Built-in side impact
- Tuff-Stuff™ anti-scratch lens coating
- Available with clear protection or gray-tinted lens/frame

Arctic, clear lens	697514
Arctic, gray lens	697515
Arctic, blue-mirrored lens	10008179

Vista™ Protective Eyewear

New!



- 99% UV protection
- Polycarbonate lens for high impact protection
- Full protection at a great price
- One-piece lens
- Choice of clear, gray and indoor/outdoor lenses

Vista, clear lens, metal gray temple	10070914
Vista, gray lens, metal gray temple	10070915
Vista, Indoor/Outdoor mirrored lens, brown copper temple	10070916

Alpine™ Protective Eyewear



- Lightweight
- 8 base curved lens
- Comfortable to wear
- Available in clear, gray, amber and indoor/outdoor lens
- Anti-fog lens available

Alpine, clear lens	10041818
Alpine, clear A/F	10041819
Alpine, gray lens	10041820
Alpine, light gold indoor/outdoor lens	10041823

Sierra™ Protective Eyewear



- Full eye protection
- Integrated side shields
- Anti-fog lens (on some models)
- Vented brow guard
- Tuff-Stuff™ scratch-resistant lens coating
- Adjustable temples
- Teal green, black, blue or red/white/blue nylon frame
- Clear, gray, indoor/outdoor light gold mirror, or amber lens available
- Meets Z87+ and CSA Z94.3.

Sierra, teal frame, clear anti-fog lens*	697505
Sierra, black frame, clear lens*	697550
Sierra, black frame, clear anti-fog lens*	10018662
Sierra, black frame, gray lens*	10010570
Sierra, black frame, gray anti-fog lens	10010572
Sierra, black frame, light gold mirrored lens	10018663
Sierra, blue frame, clear lens	10023610
Sierra, blue frame, amber lens	10023611
Sierra, red/white/blue frame, clear lens	10012842
Sierra, red/white/blue frame, clear anti-fog lens	10012843
Sierra, red/white/blue frame, gray lens	10012844
Sierra, red/white/blue frame, gray anti-fog lens	10012845

Sierra™ Small Faces Protective Eyewear



- Suitable for small adult faces and for children
- Tuff-Stuff™ anti-scratch lens coating
- Adjustable temples
- High optical quality

Sierra, small faces, clear lens	10018440
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*Meets CSA Z94.3.

HEAD, EYE AND FACE PROTECTION

Rx Overglasses



- Horizontal and vertical adjustable temples
- Limited lens curvature for the best optics
- Tuff-Stuff™ anti-scratch lens coating
- **Fit over most prescription eyewear**

Rx Overglasses, blue frame w/gray anti-fog lens	10012855
Rx Overglasses, clear anti-fog lens	10008175

Plant Visitor Protective Eyewear



- Fit over many prescription glasses
- Most economical model
- Integrated side shields
- Clear lens
- Boxes of 10 in dispenser-style container or bulk pack of 144
- Meets Z87+ and CSA Z94.3.

Plant Visitor, clear lens, box of 10*	697500
Plant Visitor, clear, bulk box of 144*	10008174

*Meets CSA Z94.3.

Luxor™ Protective Eyewear



- Tuff-Stuff™ scratch-resistant lens
- Black temples
- Soft nose pads
- Clear or gray-tinted lens
- One-piece wrap protection
- Adjustable temples
- Frameless design

Luxor, clear lens	697516
Luxor, gray lens	697517

Impression™ II Protective Eyewear



- Vertical and horizontal temple adjustments
- Extended cheek and brow protection
- Platinum colored temples
- Gray and clear anti-fog lens

Impression, clear anti-fog lens	10008177
Impression, gray anti-fog lens	10008178

Clearview™ Protective Eyewear



- Fit over many prescription glasses
- Integrated side shields
- Clear or Shade 5 lens (Shade 5 lens designed for welding and brazing applications where Shade 5 protection is recommended)
- Same as Plant Visitor specs except with Tuff-Stuff™ anti-scratch lens coating

Clearview, clear lens	697502
Clearview, black temples, shade #5 lens	10012847

Tradewind™ Protective Eyewear



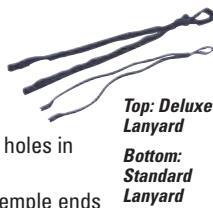
- **Indoor-outdoor** light gold or clear lens
- Tuff-Stuff™ scratch-resistant lens coating
- Adjustable temples and integrated side shields
- Brow protection
- UV-400 protection (mirrored lens only)

Tradewind, 2-tone temple, light gold lens	697506
Tradewind, all black temples, clear lens	10002545

Eye and Face Protection Accessories

Eyewear Lanyards

- Holds eyewear securely
- Use to rest eyewear on chest when not in use
- Standard model clips into holes in eyewear temple ends
- Deluxe model goes over temple ends



Top: Deluxe Lanyard

Bottom: Standard Lanyard

Protective Eyewear Pouch

- Black nylon spectacle case fits MSA protective eyewear
- Nylon webbing belt loops allow for convenient storage
- Easy hook-and-loop fastener



Eye & Face Protection Accessories

Standard Eyewear Lanyard, black (pk/12)	10020872
Deluxe Eyewear Lanyard, black (pk/12)	10020871
Pre-Moistened Towelettes (box of 100)	10022087
4 oz. Fogpruf™ Cleaner Refill	13016
Deluxe Eyewear Pouch, black	10034943

Eyewear Cleaning Accessories



Eyewear Display Unit

- Revolving
- High-quality ball-bearing design
- Holds 24 pairs of eyewear
- Includes mirror and promotion holder



Revolving Eyewear Display Unit, less glasses	697518
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