

HEFH - Head, Eye, Face, Hearing & Miscellaneous Protection



Head Protection
Face Protection
Hearing Protection
Eye Protection
MSA Cairns® Fire Helmets
Globe® Turnouts and Boots for Firefighters



MSA remains at the forefront of Head, Eye, Face and Hearing protection products through research and development in our design and manufacturing sites in U.S.A, France, Sweden and China. Our local expertise ensures you get quality, tested, certified and supported products every time. As a manufacturer we are experts in our products and are constantly innovating to ensure we deliver safety solutions your business can rely on. This means you spend more time getting on with your business.

To ensure you are covered with a complete safety system, MSA products are designed to work in conjunction with each other. Match our Hard Hats with a wide array of accessories such as face shields, passive and electronic hearing protection, sun brims, winter warming liners or flame resistant liners to ensure you are protected by a complete system.

In addition to protecting you, MSA understands the importance of your business brand which is why we offer hard hat customisation from our Sydney factory. We can expertly brand your hard hats not only with your company brand, but with other safety information and reflective decaling and striping to ensure your team stands out, safely.

Turn the page to view our range of Head, Eye, Face and Hearing protection. We've got you covered.

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

V-Gard® Hard Hats



Did you know that the working life of a hard hat is 5 years from the issue date? Make sure you write the issue date on the label provided in the back of the cap. Also it recommended that suspensions be replaced after 12 months as they degrade quicker from contact with your skin. Inspect your cap before every use and replace caps immediately that show signs of damage or have been impacted.

	V- Gard Slotted Cap (Std)
Color	w/ Fas-Trac III Suspension ¹
COMPLETE V-GARD ASSEMBLIES — MATTE FINISH	
WHITE	10203081
BLUE	10203082
YELLOW	10203083
ORANGE	10203087
RED	10203086
GREEN	10203085
GRAY	10203084
HI-VIZ® ORANGE ²	10203089
HI-VIZ YELLOW ²	10203088
BLACK	10203092

V-Gard® 500 Hard Hats



V-Gard 500 Cap
with Fas-Trac III Suspension

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

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

DESCRIPTION	w/4-Point Fas-Trac III Suspension	w/6-Point Fas-Trac III Suspension
VENTED CAP		
WHITE	10034018	10034027
BLUE	10034019	10034028
YELLOW	10034020	10034029
RED	10034022	10034031
GREEN	10034023	10034032
HI-VIZ ORANGE¹	10034026	10034035
HI-VIZ YELLOW-GREEN¹	10074819	10074820
NON-VENTED CAP		
WHITE	10034088	10034097
VENTED FULL-BRIM HAT		
WHITE	10167911	10167950
BLUE	10167912	10167951
YELLOW	10167913	10167952
RED	10167915	10168437
GREEN	10167916	10168438
HI-VIZ ORANGE¹	10167921	10168453
HI-VIZ YELLOW-GREEN¹	10167931	10168461
NON-VENTED FULL-BRIM HAT		
WHITE	10168521	10168589

Super V® Hard Hats



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

- Classification.....Type II (ANSI and CSA)
Application.....Lateral protection
Shell Material.....Polyethylene
Styles.....Slotted cap w/foam liner
Colors.....☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Sizes.....Standard (6½ – 8")
Standards.....ANSI/ISEA Z89.1-2014 (Class E);
CSA Z94.1-2015 (Class E)
Certification.....Third-party by SEI

DESCRIPTION	w/Fas-Trac III Suspension
SUPER V ASSEMBLIES	
WHITE	C217091
YELLOW	C217093
RED	C217095
ORANGE	C217094
BLUE	C217092
NAVY GRAY	C217097
HI-VIZ ORANGE²	C217100
GREEN	C217096
GOLD	C217098
BLACK	C217140
SILVER	10025227

⚠ WARNING

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

Replacement Parts

Replacement Suspensions for MSA Safety Helmets

MSA Fas-Trac® III Ratchet 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 www.MSAafety.com/fastrac.



Push-Key® Suspensions For all V-Gard industrial safety helmet models



Features & Benefits:

Ease Of Use:

- This is the fastest sliding suspension on the market: simple push to loosen, squeeze to tighten
- Can be adjusted with one hand even when worn

Sure Fitting:

- It offers greater retention capacity than competitive sliding suspensions because it's so much easier to select the best adjustment position

Adjustability:

- 2 levels of nape adjustment for fitting comfort
- Designed to avoid interference with other PPE such as ear muffs

Sweatband Comfort:

- Sweat-wicking replaceable foam gives the user our 'coolest yet' V-Gard experience

Ordering Information

Part No.	Description
10146324-SP	SUS SPARE, PK, PVC, PETBAND, 1PKG/1EA
3335611	Replaceable PVC Sweatband



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

² Hi-Viz red-orange Skullgard Cap meets voluntary standard for hi-visibility as prescribed by ANSI/ISEA Z89.1-2014. Look for official hi-visibility marking [HV] on the helmet's ANSI label.

Face Protection

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

V-Gard Frames for General Purposes

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

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

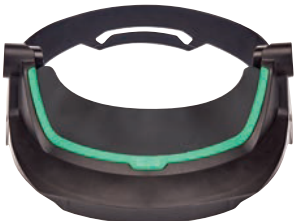
Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

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

Min Order Qty: 10

		
PART NO.	10115730	10121266
MATERIAL	High density polyethylene (HDPE)	High density polyethylene (HDPE)
DEBRIS CONTROL	Includes replaceable debris control which creates tight seal between frame and cap	Debris control sold separately
PRODUCT SPECIFICS	• Fits all MSA Slotted Caps • Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs² • Sliding adjustment bladesallow visor to work with most half-mask respirators and other PPE worn under a visor	• Fits all MSA Slotted Caps³ • Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs² • Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor

V-Gard Universal Cap Frame

		
PART NO.	10190639	10190640
DEBRIS CONTROL	With debris control	Without debris control
PRODUCT SPECIFICS	Easy to Use • Add and remove accessories • Quicker visor installation and removal • Green color coded parts Built to Last • Infinity joints • Universal strap • Debris control Reducing Complexity • Designed to work with all MSA V-Gard cap-style hard hats	Easy to Use • Add and remove accessories • Quicker visor installation and removal • Green color coded parts Built to Last • Infinity joints • Universal strap Reducing Complexity • Designed to work with all MSA V-Gard cap-style hard hats

PART NO.

10187163

PRODUCT SPECIFICS

Replacement debris wiper

PART NO.

10187251

PRODUCT SPECIFICS

Replacement rubber strap

⚠ 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.

V-Gard Frames for Elevated Temperature Applications

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

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

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

Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

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

Min Order Qty: 10

			
PART NO.	10115821	10121267	10116552
MATERIAL	Polycarbonate – all non-metal construction	Polycarbonate – all non-metal construction	Polycarbonate – all non-metal construction
DEBRIS CONTROL	Replaceable debris control tested against EN 166 hot solids requirements	Debris control sold separately ³	Replaceable debris control tested against EN 166 hot solids requirements
PRODUCT SPECIFICS	• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs² • Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor	• Stowable slot adaptors secure frame tightly in slotted MSA caps, and allow frame to work with or without earmuffs • Sliding adjustment blades allow visor to work with most half-mask respirators and other PPE worn under a visor	• Heavy duty flat rubber strap allows easy and secure placement on all MSA caps, including non-slotted models⁴ • Design allows use with other PPE, including MSA earmuffs and respirators

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

V-Gard Frames for General Purposes

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

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

Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

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

Min Order Qty: 10

	
PART NO.	10116627
MATERIAL	High density polyethylene (HDPE)
DEBRIS CONTROL	Offered without debris control ONLY
PRODUCT SPECIFICS	• Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models • Design allows use with other PPE, including MSA earmuffs and respirators • Fits MSA Full-Brim Safety Helmets

V-Gard Frames for Elevated Temperature Applications

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

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

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

Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3; EN 166; and AS/NZS 1337

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

Min Order Qty: 10

	
PART NO.	10116628
MATERIAL	Polycarbonate – all non-metal construction
DEBRIS CONTROL	Offered without debris control ONLY
PRODUCT SPECIFICS	• Heavy duty flat rubber strap allows easy and secure placement on all MSA hats, including non-slotted models • Design allows use with other PPE, including MSA earmuffs and respirators • Fits MSA Full-Brim Safety Helmets

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

²Patent pending

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

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

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

²Patent pending

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

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

V-Gard Visors

Choosing the proper V-Gard visor

Material	Polycarbonate (PC)	Suitable for most applications where impact and splash hazards exist. Available in a variety of sizes and thicknesses, sheet or injection moulded versions. Moulded visors are optically corrected and therefore offer very good view and reduce fatigue during work. Their chemical and heat resistance is better as they are thicker and not as stressed as flat visors. Flat visors are the perfect solution for general and basic applications offering a good price/performance ratio.
	Mesh	Provides maximum ventilation in humid working conditions. Lightweight and durable great for outdoor applications such as brush clearing and trimming. Does not provide splash protection.
	Propionate	Provides superior chemical splash resistance mainly against organic chemicals such as solvents. Available in injection moulded version for a great optical quality and reliable resistance not as stressed as flat visors.
Colour/ Tint	Clear	Provides maximum light transmission. Good for indoor use applications, or outdoor use in low-light conditions.
	Shade 3 IR / Shade 5 IR	Helps protect against infrared (IR) up to Shade 3 and Shade 5, as applicable, as well as ultraviolet (UV) radiation. Perfect for autogenous welding, metal pouring, gas soldering, light cutting and brazing applications.
Coatings	Anti-fog	Controls condensation build-up on inside of visor surface. Great for humid conditions.
	Anti-Scratch	Provides excellent scratch resistance, extending visor life. A “must have” in abrasive work environments.
	Reflective	Reflects radiant heat, keeping the wearer comfortable in elevated temperature environments, such as manufacturing plants with blast furnaces.
Options	Chin Protectors	V-Gard chin protectors provide additional protection to the face and neck from impacts, chemical splash and arc flash making them suitable for applications in forestry, chemical industry, utilities, etc.
	Debris Control	Provides additional protection against debris and chemical splash and reduces the possibility of debris or chemical entry between the visor frames and the front of the helmet.

V-Gard Visors: General Purpose

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

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

Standards¹: ANSI/ISEA Z87.1-2015; CSA Z94.3 and EN 166 (2C-1.2 MSA 1B); AS/NZS 1337 (except as noted)

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

Min Order Qty: 10

		
PART NO.	10115836	10115837
MATERIAL	Polycarbonate – clear	Polycarbonate – clear
FEATURES	• Maximum UV protection • Impact-rated (Z87+)	
PRODUCT SPECIFICS	• 8” (20.3 cm) x 17” (43.2 cm) x .04” (1.02mm) • Contoured visor; closer t and improved resistance to impact and splash hazards	• 8” (20.3 cm) x 17” (43.2 cm) x .04” (1.02mm) • Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors • Contoured visor; closer fit and improved resistance to impact and splash hazards

		
PART NO.	10115841	10115839
MATERIAL	Polycarbonate with antifog/anti-scratch coatings for humid conditions – clear	Polycarbonate with antifog/anti-scratch coatings for humid conditions – clear
FEATURES	• Maximum UV protection • Impact-rated (Z87+) • Slightly thicker for industrial impact applications	• Maximum UV protection • Impact-rated (Z87+) • Slightly thicker for industrial impact applications
PRODUCT SPECIFICS	• 8” (20.3 cm) x 17” (43.2 cm) x .06” (1.52mm) • Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors	• 8” (20.3 cm) x 17” (43.2 cm) x .06” (1.52mm) • Contoured visor; closer fit and improved resistance to impact and splash hazards

V-Gard Visors: Heavy Duty Chemical and Splash

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

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

Standards¹: ANSI/ISEA Z87.1-2015; EN 166 (MSA 1B 3); CSA Z94.3 and AS/NZS 1337

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

Min Order Qty: 5

			
PART NO.	10115855	10115856	10115851
MATERIAL	Propionate – clear	Propionate – clear	Propionate – clear
FEATURES	• Impact-rated (Z87+) • Please refer to MSA's <i>Chemical Application Quick Reference Guide</i> (ID 0670-007-MC) for chemical performance details		
PRODUCT SPECIFICS	• 8” (20.3 cm) x 17” (43.2 cm) x .098” (2.5mm) • Extra-thick to help prevent warping, cracking or crazing under tough conditions	• 8” (20.3 cm) x 17” (43.2 cm) x .098” (2.5mm) • Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors • Extra-thick to help prevent warping, cracking or crazing under tough conditions	• 9.25” (23.5 cm) x 18” (45.7 cm) x .098” (2.5mm) • Extra-thick to help prevent warping, cracking or crazing under tough conditions • Extended length and width for greater coverage of neck and face



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

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

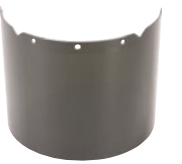
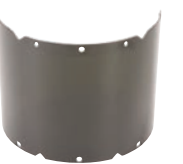
Markets: Fabrication, steel mills, shipbuilding, construction, open-pit mining, agriculture, oil/gas/petrochemical refineries, rubber manufacturing

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

Standards¹: ANSI/ISEA Z87.1-2015; EN 166 (4-3/3 MSA 1BT39 [shade 3] and 4-5/5 MSA 1BT39 [shade 5]); CSA Z94.3 and AS/NZS 1337

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

Min Order Qty: 5

				
PART NO.	10115859	10115860	10115861	10115862
MATERIAL	Polycarbonate – Shade 3 IR	Polycarbonate – Shade 3 IR	Polycarbonate – Shade 5 IR	Polycarbonate – Shade 5 IR
FEATURES	• Impact-rated (Z87+)			
PRODUCT SPECIFICS	• 8” (20.3 cm) x 17” (43.2 cm) x .07” (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter	• 8” (20.3 cm) x 17” (43.2 cm) x .07” (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter • Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors	• 8” (20.3 cm) x 17” (43.2 cm) x .07” (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter	• 8” (20.3 cm) x 17” (43.2 cm) x .07” (1.8 mm) • Thickness helps prevent pitting and warping from heat or weld spatter • Nitrometer; for use with V-Gard Retractable or Standard Chin Protectors

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

²Patent pending

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

⁴MSA does not recommend the use of the V-Gard Universal Frame with the MSA SmoothDome when using cap-mounted muffs and large V-Gard molded Visors.

The V-Gard Frame for Slotted Caps should be worn with this particular combination.

V-Gard Visors: Arc Flash Application

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

Applications: Maintenance, impact and debris, testing/repair

Standards¹: ANSI/ISEA Z87.1-2015; ASTM F2178-2008 (Ref: NFPA 70E, HRC 2)

Certiycation: Third-party by Intertek and ArcWear
Min Order Qty: 5

PART NO.	10115847	10118480
MATERIAL	Polycarbonate — special tint, light green visor; molded	Polycarbonate — special tint, light green visor; molded (for use with designated V-Gard Chin Protector)
FEATURES	• Impact-rated (Z87+)	
PRODUCT SPECIFICS	• 9.25" (23.5 cm) x 18" (45.7 cm) x .065" (1.7 cm) • Extended length and width for greater coverage of face and neck • Rated to 12.9 cal/cm² when tested to ASTM F2178-2008 (ref. NFPA 70E-2015 PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266) <i>Call MSA Customer Service (800-MSA-2222) for protection levels when using this V-Gard Arc Visor with other V-Gard Frames and MSA Helmet combinations</i>	• 8" (20.3 cm) x 17.25" (43.8 cm) x .065" (1.7 cm) • Extended length and width for greater coverage of face and neck • Rated to 12.9 cal/cm² when tested to ASTM F2178-2008 (ref. NFPA 70E-2015 PPE Category 2), and when worn with a V-Gard Hard Hat (PN 475358) and V-Gard Frame (PN 10121266) and V-Gard Standard Chin Protector (PN/10115827) <i>Call MSA Customer Service (800-MSA-2222) for protection levels when using this V-Gard Arc Visor with other V-Gard Frames and MSA Helmet combinations</i>

V-Gard Chin Protectors¹

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

NAME	Retractable Chin Protector	Chin Protector	Standard Chin Protector
PART NO.	10115828	10149029	10115827
MATERIAL	Polycarbonate – opaque (ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors)	Polycarbonate – clear (for improved visibility)	Polycarbonate – opaque (ensures safety and standards compliance with clear, tinted, shaded and coated V-Gard Visors)
PRODUCT SPECIFICS	• 3.82" (9.7 cm) in height, when unretracted • Unique retractable plates allow greater flexibility of head movement both up and down, as well as side-to-side • Minimum order quantity: 5	• 2.86" (7.26 cm) in height • Compact, lightweight design provides additional protection between chin and neck area • Should not be worn with tinted, arc or shaded nitrometer visors to ensure compliance with stated Standards markings/requirements • Minimum order quantity: 5	• 2.86" (7.26 cm) in height • Compact, lightweight design provides additional protection between chin and neck area • Minimum order quantity: 5

¹MSA 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.
²Use 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 Headgear

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

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

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

Size: Standard (6-1/2 – 8)

Standards²: ANSI/ISEA Z87.1-2015; EN 166; CSA Z94.3; and AS/NZS 1337

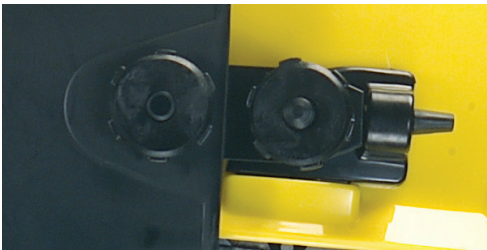
Certification: Third-party by Intertek, INSPEC International Ltd., CSA International and SAI Global Ltd.

PRODUCT NAME	V-Gard Headgear (General Purpose)	V-Gard Headgear (Elevated Temperature)
PART NO.	10127061	10127062
MATERIAL	High Density Polyethylene (HDE) – black	Heat-resistant nylon – gray
FEATURES	• Ratchet closure	
PRODUCT SPECIFICS	• Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose! • Seven-point crown adjustment • Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool • Sweat-wicking ratchet cover keeps nape comfortable • For use ONLY with V-Gard Visors; not for use where head protection is required • All non-metal construction • Minumum order quantity: 10	• Extended browguard for additional coverage in high temperatures • Tested to withstand temperatures up to 400°F³ • Patent-pending, Infini-just lift/closure with grippable knobs that don't unscrew; no parts to lose! • Seven-point crown adjustment • Replaceable, sweat-wicking, cushioned headband helps keep workers dry and cool • Sweat-wicking ratchet cover keeps nape comfortable • For use ONLY with V-Gard Visors; not for use where head protection is required • All non-metal construction • Minumum order quantity: 5

³For elevated temperatures; flame-resistant. Not recommended for use where molten metal splash hazards exist.
⁴Staz-On suspension only.

Welding Adapter Kit

Adapter kits for Welding Shields



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

Hard Hat Accessories

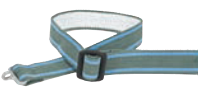
Chinstraps



Universal 4-pt chinstrap

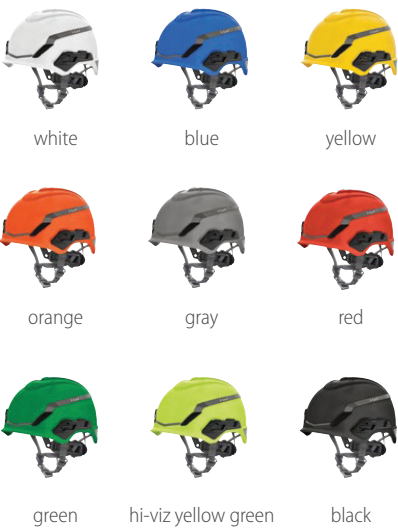
NEW	
	PART NO. GA90047
	FEATURES • Universal 4-pt chinstrap

	
PART NO.	10124238
FEATURES	• Non-metal chinstraps keep helmets in place • Flexible construction and adjustable design for long-wearing comfort
PRODUCT SPECIFICS	• 4-pt • ¾" polyester webbing • Attaches to suspension ⁴ • Pkg of 10

					
PART NO.	10171103 ³	10171104	10171105	10171106	10171107
FEATURES	• Non-metal chinstraps keep helmets in place • Flexible construction and adjustable design for long-wearing comfort				
PRODUCT SPECIFICS	• 2-pt • ¾" Nomex webbing • Attaches to shell	• 2-pt • ¾" polyester webbing • Attaches to shell	• 2-pt • ¾" cotton webbing • Attaches to shell	• 2-pt • ¾" cotton webbing • Attaches to suspension ⁴	• 2-pt • ¾" polyester webbing • Attaches to suspension ⁴

V-Gard® H1 Safety Helmet

NEW



V-Gard® H1

The V-Gard H1 Safety Helmet and accessories provide exceptional comfort and ease of use in a stylish, low-profile design. The latest innovation in head protection, helping to keep you cool and comfortable until the job is done.

- Features:
- Fas-Trac® III Pivot Ratchet Suspension for superior comfort, adjustability, and range of motion.
 - Non-contact foam liner maximizes air ow and breathability for optimal cooling and hygiene.
 - Non-vented options for use in electrical applications where Class E certification is needed.
 - Vented options for optimal air ow and cooling.
 - Field replaceable 4-point chinstrap with multiple adjustment points for customized fit and comfort.
 - Premium moisture wicking sweatband with breathable foam and hook and loop attachment for easy field replacement.
 - Patent pending "push-button" accessory attachment rail and universal lighting clips for quick installation and removal.
 - Convenient rescue whistle integrated into the chin strap buckle.
 - Matte finish shell.
 - Standard reflective trim.

- Classification:** Type 1
- Markets:** Utilities; oil, gas, and petrochemical; general industry; construction
- Applications:** General industry, construction, working-at-heights, confined space, rescue
- Shell Material:** HDPE (high-density polyethylene)
- Available Styles:** Trivent, Novent
- Sizes:** Standard 6 1/2–8 (52–64 cm head circumference)

V-Gard H1 Safety Helmets : Standards

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

* Pending approval.



Ordering Information

	Trivent	Novent
WHITE	10194783	10194791
RED	10194784	10194792
BLUE	10194785	10194793
GREEN	10194786	10194794
YELLOW	10194787	10194795

	Trivent	Novent
HI-VIZ YELLOW GREEN	10194788	10194796
ORANGE	10194789	10194797
BLACK	10194790	10194798
GRAY	10204346	10204347

V-Gard H1 Accessories NEW

			
PART NO.	10194818	10194819	10194820
NAME	V-Gard H1 Clear Face Shield	V-Gard H1 Mesh/Forestry Face Shield	V-Gard H1 Half-Face Spectacles
COLOR	Clear	Mesh	Clear
PRODUCT SPECIFICS	• Clear polycarbonate contoured visor for closer fit and optimal resistance to impact and splash hazards • Simple push button donning and doffing on the V-Gard H1 Safety Helmet—no additional frames or adapters required • Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance • Frameless design with anti-fog and anti-scratch coatings for greater visibility	• Steel mesh contoured visor for closer fit and optimal protection from flying chips and other light debris • Simple push button donning and doffing on the V-Gard H1 safety helmet—no additional frames or adapters required • Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance	• Clear polycarbonate contoured spectacles for closer fit and optimal resistance to impact and splash hazards • Simple push button donning and doffing on the V-Gard H1 safety helmet—no additional frames or adapters required • Dual pivot hinge maintains a low profile to the helmet when stowed for improved balance and wind resistance • Frameless design with anti-fog and anti-scratch coatings for greater visibility
APPROVALS	• ANSI/ISEA Z87.1-2015 + D3* • CSA Z94.3 • EN 166 1BT39**	• ANSI/ISEA Z87.1-2015* • EN 1731-S**	• ANSI/ISEA Z87.1-2015 +* • CSA Z94.3 • EN 166 1BT**

*ANSI Z87

- + Impact-rated; important distinction between clear & mesh options
- D3 Splash-rated; important distinction between face shield and half-face spec

**EN 166

- 1 Optical clarity class
- B Medium impact resistance
- T Extremes of temperature approval
- 3 Splash-rated; important distinction between face shield & half-face spec
- 9 Molten metal-rated; important distinction between face shield & half-face spec
- S Low impact resistance for metal face shields



V-Gard H1 Safety Helmet with Clear Face Shield



V-Gard H1 Safety Helmet with Mesh Face Shield



V-Gard H1 Safety Helmet with Half-Face Spectacles

Fas-Trac III Pivot Suspension & Replacement Parts

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

V-Gard® 930

Balanced, modern, low-profile vented and non vented helmet with integrated eye protection .6-point Fas-Trac® III ratchet suspension, integrated over spectacles with intelligent adjustment and innovative rubber seal. For use where top impact hazards to the head, UV and particle hazards to the eye exist.

V-Gard® 930 Vented industrial safety helmets with integrated over spectacles



Features :

- Made of ABS for strength and lateral crush protection (EN397 LD option)
- Modern, dynamic and sports styled shell
- Channel around perimeter of the helmet diverts rain and debris from user
- Ventilation holes placed for optimized airflow
- Anti-static assembly; certified electrostatic- INERIS for use in ATEX/explosive environments

Over Spectacles View :

- Integrated over spectacles fit over most corrective lenses by sliding adjustment of the suspension and offer premium anti-fog and anti-scratch lenses (EN166 K+N option)
- Intelligent adjustment and innovative rubber seal to ensure gap free eye protection on the face
- Grip area with rail system for quick and easy lens stowing even with gloves
- Tool free over spectacle replacement
- Panoramic, natural field of view

V-Gard® 930 Non-vented industrial safety helmets with integrated over spectacles



Features :

- Made of ABS for strength and lateral crush protection (EN 397 LD option)
- Modern, dynamic and sports styled shell
- Channel around perimeter of the helmet diverts rain and debris from user
- Anti-static assembly; certified electrostatic- INERIS for use in ATEX/explosive environments
- Protection against molten metal (EN 397 MM option)
- Electrically insulating helmets meeting EN 397 440 V AC and EN 50365 1000 V AC

V-Gard® 950 Non-vented industrial safety helmets with integrated face shield

Balanced lightweight electrician's safety helmet, non-vented, with 6-point Fas-Trac® III ratchet suspension and GS-ET-29 class 1 face shield certified for protection against arc flash. For use where top impact hazards to the head, chemical splash, Ultra-Violet radiation, molten metal splash or electric arc to the face exist.



Features :

- Made of ABS for strength and lateral crush protection (LD option)
- Modern, dynamic with sports styled shell
- Low profile (patented visor mechanism which minimises helmet shell size)
- Channel around perimeter of the helmet diverts rain and debris from user
- Anti-static assembly; certified electrostatic- INERIS for use in ATEX/explosive environments
- Protection against molten metal (MM option)
- Electrically insulating helmet meeting EN 397 440 V AC and EN 50365 1000 V AC
- Compatible with hearing protection
- Complete with 4-point chinstrap for better helmet retention
- Helmet delivered in a protective reusable storage bag
- Optional: chin cup made with arc flash resistant materials



Face Shield Features :

- Protects against impact, chemical splash, Ultra-Violet radiation, molten metal splash and electric arc to GS-ET-29 class 1 (4kA)
- Premium anti-fog/anti-scratch coated visor fits over all corrective and safety glasses
- Reliable single handed smooth movement, even gloved
- 2 face shield positions (up or completely down)
- Tool free lens replacement

Suspensions Information for V-Gard® 930 & 950

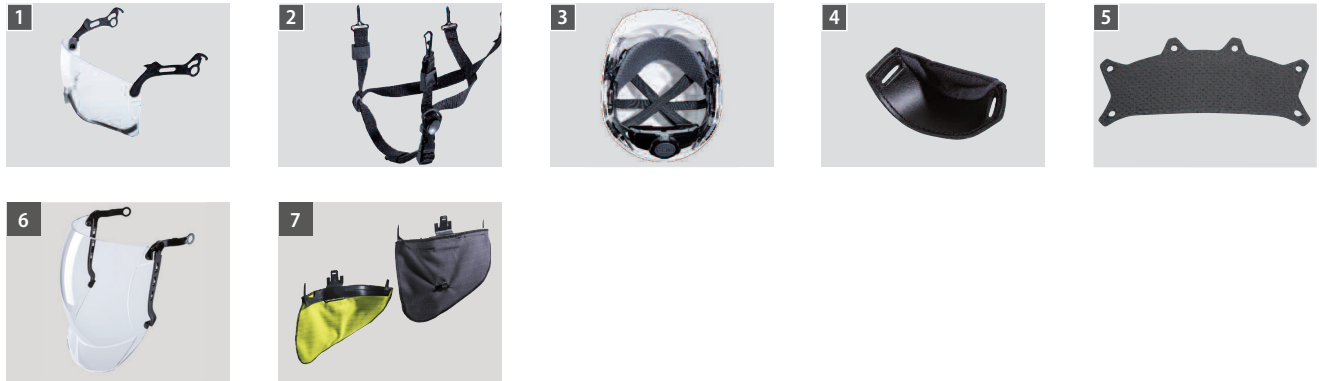
- 6-point Fas-Trac® III ratchet suspension with premium washable and replaceable sweatband
- Head straps in woven polyester providing high comfort and long term, consistent, shock absorption performance
- Balance and stability with a lower nape strap
- Comfort pad to separate the ratchet from the head increasing comfort and cooling airflow
- Ratchet offers smooth rotation
- Easy grip knob adjustable even with gloves
- Three levels of nape height adjustment giving superior nape fit

V-Gard® 930 & 950 Ordering Information

Standard colors*	Color RAL	V-GARD 930 Vented Integrated Over Spectacles	V-GARD 930 Non-vented Integrated Over Spectacles	V-GARD 950 Integrated Face Shield
White	RAL 9003	GVC1A-C000000-000	GVD1A-C000000-000	GVF1A-C0A0000-000
Yellow	RAL 1018	GVC2A-C000000-000	GVD2A-C000000-000	GVF2A-C0A0000-000
Red	RAL 3020	GVC3A-C000000-000	GVD3A-C000000-000	GVF3A-C0A0000-000
Green	RAL 6016	GVC4A-C000000-000	GVD4A-C000000-000	GVF4A-C0A0000-000
Blue	RAL 5022	GVC5A-C000000-000	GVD5A-C000000-000	GVF5A-C0A0000-000
Orange	RAL 2008	GVC6A-C000000-000	GVD6A-C000000-000	GVF6A-C0A0000-000

Spare Parts – Ordering Information

Part. No	Description
GA90041	6-point Fas-Trac® III suspension with ratchet and replaceable, washable, foam sweatband (3)
10153518	Fas-Trac® III suspension foam sweatband (10 pcs) (5)
696688	Terry cotton (Terri-Band) sweatband (10 pcs)
GA90035	Clear over spectacles with connecting pivots for V-Gard 930 (1)
GA90047	V-Gard Universal 4pt Chinstrap (2)
GA90040	Chincup for V-Gard 900 4-point chinstrap (4)
GA90039	Reusable bag
GA90036	5 grey microprismatic retroreflective stickers (set for one helmet)
GA90037	5 red microprismatic retroreflective stickers (set for one helmet)
GA90034	Clear face shield with connection rails for V-Gard® 950 (6)
GA90033	Arc-flash ear-flaps(pair) (7)



Contact your local MSA Representative for ordering information.

Hearing Protection

left/RIGHT® Passive Hearing Protection

MSA left/RIGHT passive headband hearing products offer three levels of NRR values ranging from 21 to 28 dBA, making it simple to match the attenuation of the earmuff with the noise exposure of the worker.

Classification:	Headband, Passive Slotted Helmet-Mounted, Passive
Applications:	Heavy mechanical industries, compression rooms, airports (HIGH) Utilities, construction, general industry (MEDIUM) Food manufacturing, automotive, light industry (LOW)
Markets:	General industry, manufacturing, repair and maintenance, construction, OGP, forestry, shipbuilding, mining
Standards:	Meets ANSI S3.19-1974 and CSA Class A Standards

left/RIGHT Earmuffs, Passive

	PRODUCT NAME	PART NO.	NRR	PRODUCT SPECIFICATIONS
	left/RIGHT (LOW)	10087436	21 dB	• For use in low-noise environments, such pharmaceuticals and outside maintenance
	left/RIGHT (MEDIUM)	10087426	25 dB	• For use in medium-noise environments, such as oil, gas and petrochemical, forestry and agriculture • Cups are sized and shaped to provide space for most ear sizes
	left/RIGHT (HIGH)	10087399	28 dB	• For use in high-noise environments, such as paper mills, foundries, mines and airports • Cups are sized and shaped to provide space for most ear sizes

left/RIGHT Helmet Mounted, Passive

	PRODUCT NAME	PART NO.	NRR	PRODUCT SPECIFICATIONS
	left/RIGHT (LOW)	10087439	21 dB	• For use with MSA slotted caps • For use in low-noise environments, such pharmaceuticals and outside maintenance
	left/RIGHT (MEDIUM)	10087429	25 dB	• For use with MSA slotted caps • For use in medium-noise environments, such as oil, gas and petrochemical, forestry and agriculture
	left/RIGHT (HIGH)	10087422	28 dB	• For use with MSA slotted caps • For use in high-noise environments, such as paper mills, foundries, mines and airports • Cups are sized and shaped to provide space for most ear sizes

left/RIGHT Hygiene Kits

	PRODUCT NAME	PART NO.	PRODUCT SPECIFICATIONS
	left/RIGHT™ - Hygiene Kit - Low	10092878	• Cushions and inserts • Works with left/RIGHT passive helmet-mounted or headband products • Replace regularly to retain comfort, performance and hygiene
	left/RIGHT™ - Hygiene Kit - Medium	10092879	
	left/RIGHT™ - Hygiene Kit - High	10092880	

Headband, Passive Hearing Protection

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

	PRODUCT NAME	PART NO.	NRR	PRODUCT SPECIFICATIONS
	SoundControl HPE	10061271	26 dBA	• Lightweight, low-profile earmuffs are ideal for a variety of noisy applications • High attenuation and excellent sealing for reliable protection • Headband design and two-point cup mounting distributes weight evenly, offering outstanding balance and comfort • No metal parts • Cups can be moved to a range of wearing positions for a custom fit
	SoundControl EXC	10061229	24 dBA	• Unique injection-molded inserts provide excellent attenuation and maximum ear space • Medium attenuation for moderately-high noise exposures • Three distinct wearing positions • Cups can be moved to a range of wearing positions for a custom fit
	HPE Hygiene Kit	10061291	-	• Foam cushions and inserts • Works with Classic helmet-mounted or headband products
	EXC Hygiene Kit	10061292	-	

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.

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

	PRODUCT NAME	PART NO.	NRR	PRODUCT SPECIFICATIONS
	Economuff Multi-Position	10061273	23 dBA (under chin/ Behind head) 24 dBA (over the head)	• Offers three positions: under the chin, behind the head or over the head • Under the chin or behind the head positions allow use of head protection • Durable design for use in tough environments • No metal parts • Padded headband makes longer wear possible • One size fits most

Contact your local MSA Representative for ordering information.

Eye Protection

Sightgard Safety Glasses: Indoor Humid Conditions

- Classification:** Indoor: Humid Environments
- Markets:** Facility maintenance, repair and operations, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, transportation, shipbuilding, automotive
- Applications:** Assembly and mechanical, drilling, grinding, machining, painting, sanding, sawing
- Material:** Polycarbonate
- Features:** Anti-fog coating
Clear lenses
Impact-rated (Z87+)
Anti-scratch coating (as noted)
- Standards:** ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)
- Min Order Qty:** 12 (unless otherwise stated)

INDOOR APPLICATIONS		MODEL	PART NO.	PRODUCT SPECIFICATIONS
		Arctic	697514	• Frameless and lightweight • Among our most popular models! • Tuff Stuff Anti-scratch Coating • Full side coverage
		Arctic Elite	10038845	• Rubber tipped temples and nosebridge for comfortable, yet secure fit
		Aurora	10026005	• Ratchet temple adjustment • Single, 7-base wrap curve lens • Tuff Stuff™ Anti-scratch Coating
		Discovery II	10106382	• Flexible, nylon temple arms adjust to head width • Soft nose bridge • So light, you forget you have them on
		Pyrenees	10033718	• Full side protection • Dual injected, soft-tipped temples
		Voyager	10065849	• Single wrap-style lens

¹CSA International certified models are denoted with a CSA symbol

Safety Glasses: Indoor/Outdoor

Classification:	Indoor/outdoor
Markets:	General industry, manufacturing, construction, oil and gas, forestry, shipbuilding, automotive, food and beverage, mining, pharmaceuticals, primary metals, transportation
Applications:	Assembly and mechanical, chipping, chiseling, cleaning, drilling, grinding, machining, masonry, riveting, sanding, sawing, UV protection
Material:	Polycarbonate, indoor/outdoor or light mirroring
Features:	Maximum UV protection ("U6") Light mirror and Gray tint lenses provide glare reduction without significantly reducing light transmittance Impact-rated (Z87+), Anti-fog and/or anti-scratch coatings (as noted)
Standards:	ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)
Min Order Qty:	12 (unless otherwise stated)

INDOOR/ OUTDOOR APPLICATIONS		MODEL	PART NO.	PRODUCT SPECIFICATIONS
		Arctic	10008179 697515	• Blue mirror and Grey lense reduces glare without causing color degradation • Popular, lightweight model • Full side coverage • Anti-scratch coating
		Arctic Elite	10059671 10038846	• Indoor/outdoor mirror allows workers to go from bright to low light conditions • Rubber tipped temples and nosebridge for comfortable, yet secure fit • Anti-fog coating
		Vista	10070916	• Indoor/outdoor mirror allows workers to go from bright to low light conditions • Vertical temple adjustment • Lightweight, single lens • Tuff Stuff Anti-scratch Coating

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. **MSA goggle retainers are manufactured for use ONLY with MSA goggles in order to comply with the applicable standards of the products in the assembly.**

	PART NO.	DESCRIPTION
GOGGLE RETAINERS	459458	• Goggle Retainer, for caps
	449895	• Goggle Retainer, for hats
LANYARD	10020871	• Deluxe Eyewear Lanyard (pk/12) • Holds eyewear securely • Lanyard strap slides over temple ends
CLEANING ACCESSORIES	13016	• 4 oz. Fogpruf™ Cleaner Refill
	10022087	• Pre-moistened Towelettes (box of 100)



Safety Glasses: Over-the-Glasses

Classification:	Over-the-glasses
Markets:	Facility safety, maintenance, repair and operations, overhaul, general industry, manufacturing, construction, oil and gas, metalworking, automotive
Applications:	Assembly and mechanical, drilling, grinding, machining, masonry, power fastening, riveting, sanding, sawing
Material:	Polycarbonate
Features:	Impact-rated (Z87+) Maximum UV protection ("U6") (as noted), Anti-fog coating (as noted)
Standards:	ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)
Min Order Qty:	12 (unless otherwise stated)

OVER GLASSES		MODEL	PART NO.	PRODUCT SPECIFICATIONS
		OvrG™ II	10118475	• Clear lenses • For use over small-to-medium Rx glasses • Squared-off, stylish look • Maximum UV protection • 30% lighter weight than standard visitor specs
		OvrG™ II	10118476	• Indoor/outdoor mirrored lens • For use over small-to-medium Rx glasses • Maximum UV protection
		Plant Visitor	10027944 697500 (10/Box)	• Classic look • Fits over most Rx glasses • Integral, vented side shields
		Rx Overglasses	10008175	• Clear lenses • Fits over most Rx glasses • Anti-fog coating • Horizontal and vertical temple adjustment

Safety Glasses: Goggles

Classification:	Chemical and Splash General purpose: Impact and Splash
Markets:	Chemicals, construction, food and beverage, general manufacturing and industry, mining, oil and gas, pharmaceuticals, primary metals, transportation, shipbuilding, automotive
Applications:	Cleaning, chemical mixing and use, chipping, chiseling, drilling, grinding, machining, painting, power washing, sanding, sawing, splash
Material:	Acetate lens (FlexiChem™ iV) Clear Polycarbonate lenses (Sighthard NV, iV)
Features:	Impact-rated (Z87+) Splash-rated (D3)
Standards:	ANSI/ISEA Z87.1-2015 and CSA Z94.3 (as noted)
Min Order Qty:	12 (unless otherwise stated)

CHEMICAL AND SPLASH APPLICATIONS		MODEL	PART NO.	PRODUCT SPECIFICATIONS
		FlexiChem™ iV	10106281	• Soft, pliable goggle body ensures all-day comfort • Indirect vent helps eliminate fogging while retaining splash resistance • Acetate lens resists warping, cracking and crazing from chemical splash • Anti-fog coating • Flame-retardant strap
		Sightgard NV	10106268	• Non-vented for tighter seal
		Sightgard iV	10106270	• Indirect-venting helps keep goggles fog-free

Contact your local MSA Representative for ordering information.

¹CSA International certi ed models are denoted with a  symbol

¹CSA International certi ed models are denoted with a  symbol

Cairns® XF1 Fire Helmet



WHEN YOU GO IN, WE GO IN WITH YOU.

**PART TRAILBLAZER.
PART TOP GUN.
ALL CAIRNS.**

MEETING FIREFIGHTER NEEDS: BENEFITS OF THE CAIRNS XF1



REDUCED SNAGS

The Cairns XF1 has been engineered as much for comfort and fit as safety. The most obvious feature is what it lacks—the XF1 is brimless. While untraditional, the lack of a brim makes it easier to crawl into tight spaces and retain your helmet.



INTEGRATED ACCESSORIES

The Cairns XF1 offers several optional accessories, like a secondary (ocular) visor, lighting, and communications. All are integrated seamlessly into the design, retaining its sleek profile.¹



EASY TO CLEAN

The Cairns XF1's modular design allows it to be quickly disassembled for thorough inspection, care and maintenance. Plus, the helmet's soft goods are removable, washable and replaceable—all without the use of tools.



LIGHTING THE WAY

This compact light accessory is housed inside the helmet, reducing exposure to heat, flames, and impact. The strategic placement of LED lights on either side of the helmet improves visibility in dark conditions without detracting from others' vision.



PERSONALIZED FIT

Several easy-to-find adjustments can be made enabling the fire helmet fit to be customized to the individual. When it's all said and done, the XF1 doesn't just fit firefighters—it fits most of them comfortably.²



CUSTOMIZED LOOK

The Cairns XF1 is available in four colors, black, white, yellow, and red, and two finishes, matte and glossy, for firefighters to choose a look that fits their style. Front plates, in a variety of colors, black pre-printed and custom printed options, are available.

THE RIGHT TIME FOR SOMETHING NEW

We know the MSA Cairns XF1 looks entirely different than the helmet you're wearing now. And that's the point. At MSA Cairns, we're always striving to innovate helmet technology—which is why we're always talking to firefighters about their gear.

The design of the National Fire Protection Association (NFPA) 1971- and 1951-compliant Cairns XF1 capitalizes on the expertise of firefighters who wear jet-style fire helmets, while blending the needs of a complete firefighter. It has also been certified to the AS/NZS 4067:2012 to meet the requirements in Australia & New Zealand.



CAIRNS XF1 FIREFIGHTER-DRIVEN FEATURES

RELIABLE DESIGN, EXCELLENT PROTECTION

Designed to withstand the rigors of structural fire fighting:

- Lightweight shell molded from high heat-resistant thermoplastic provides protection against typical fire scene hazards.
- Full-coverage impact cap combined with the fitted suspension system allows for equal distribution of forces.
- Shell, face shield, and earlaps, provide coverage from impacts, projections, heat, and flames.
- Brimless style prevents shifting and bumping.
- Increased head mobility allows for expanded field of view, especially upward.



EASY CARE TO SAVE TIME & MONEY

Designed to be quickly disassembled for care and maintenance as required by NFPA 1851:

- The modular design allows for thorough inspection, cleaning, and replacement of parts.
- Soft goods are removable, washable, and replaceable with minimal effort and no tools.³ Wash cycle testing conducted at MSA labs showed that the soft goods, including the chinstraps, withstood 52 wash cycles.⁴
- Both helmet sizes use many of the same components to minimize spare parts management and costs.



COMFORT THROUGH INNOVATION

Designed for a comfortable fit and easy adjustability:

- Robust, yellow components designate helmet interaction points for the user.
- Front headband angle adjusts to establish proper fit when wearing a hood or SCBA facepiece.
- Three-position ratchet adjustment provides for individualized/customizable fit.
- Pivoting, three-point chinstrap automatically aligns to the proper wearing angle with or without facepiece.



MSA CAIRNS XF1 ACCESSORIES

MSA offers a variety of integrated accessories designed to maximize available headroom while minimizing snag hazards.



LIGHT MODULE

Unique, compact light located inside the helmet improves visibility in dark conditions without detracting from others' vision:

- Internal location reduces the light's exposure to heat, flames, and impact.
- Light module is ATEX (Zone 1, IP56)-rated.
- Light placement on each side of the helmet allows for expanded field of view.
- Yellow on/off switch is easy to see and rubberized for better grip with gloved hands.
- Uses AAA batteries for up to 10 hours of continuous operation.
- Flashing light indicates remaining battery level.
- Light module weighs just 3.5 oz. (99 g) with batteries—about 33% lighter than other helmet-mounted flashlights.

INTEGRATED OCULAR VISOR

The optional ocular visor provides additional eye protection that is easy to deploy:

- Patented pivot adjustment system allows the visor to articulate to and away from the face, helping to provide gap-free protection even when the user is wearing corrective lenses.
- Visor is easy and quick to remove to clean or replace with no tools. Great secondary eye protection when a full-face protection is not needed.
- Protective anti-scratch coating helps ensure extended lifetime.
- Unique wide field of view in all directions.
- Compliant to ANSI/ISEA Z87.1:2015 as an impact protector—similar to safety eyewear typically worn by firefighters for nonstructural fire responses such as motor vehicle accidents.

INTERNAL COMMUNICATION HEADSET

The internally-mounted headset snaps easily inside the helmet, providing incoming communication right to the ear, where it's needed most:

- The headset can be installed without tools and does not affect how the helmet fits on the firefighter's head.
- Users have the option of one or two integrated speakers.
- The flexible, noise-cancelling Electret boom microphone extends more than 3 in. (76 mm) in length and can be used with or without SCBA facepiece.
- When not in use, the microphone stows safely out of the way behind the wearer's head.
- Fire-retardant cable download offers NEXUS (7.1 mm jack, four pole) connecting plug.
- Headset adds minimal weight (3.5 oz. [99 g] for one speaker or 4.4 oz. [124 g] for two speakers).
- This accessory is ATEX (Zone 1, IP56)-rated
- The headset operates with various push-to-talk (PTT) modules, such as MSA HandyCom, enabling connection to a radio:
 - Housing with large, easy-to-push button
 - Download cable to the radio with connection plug
 - Belt/strap attachment via durable integrated clip
- No batteries needed; powered by the radio through the PTT.

CUSTOMIZED FRONT PLATE*

- Can be customized with metal badge, molding, or multi-color printing.
- Plates available in 9 colors.
- Can be removed in a few seconds without special tools.



MSA CAIRNS XF1 FIRE HELMET TECHNICAL DATA

SIZE	
MEDIUM	Head sizes from 6½–7¼
LARGE	Head sizes from 7¼–8¼
WEIGHT <i>Base helmet (with full face shield), compliant to NFPA-1971 and NFPA 1951</i>	
MEDIUM	55-57 oz. (159 +/- 30 g)
LARGE	60–62 oz. (170 +/- 30 g)
COLORS	
	Black Yellow White Red
FINISHES	
	Matte Glossy
APPROVALS	
	NFPA 1971, Standard on Protective Ensembles for Structural and Proximity Fire Fighting (current edition) AS/NZS 4067:2012 - Protective Helmets for Structural Fire Fighting NFPA 1951, Standard on Protective Ensembles for Technical Rescue Incidents (current edition)
SHELL	
	High temperature thermoplastic (injection molded)
IMPACT LINER	
	Shock-absorbing polyurethane foam with aramide reinforcement
CHINSTRAP	
	Kevlar®/Nomex blend
SOFT GOODS & EAR COVERS	
	Nomex
FULL FACE SHIELD	
	High temperature thermoplastic with AF/AS coatings

MSA CAIRNS XF1 PART NUMBERS

HELMETS

MATERIAL NO.		SIZE		FINISH		COLOR			
		MED	LARGE	MATTE	GLOSSY	BLACK	RED	WHITE	YELLOW
GYM1118500000-RE16	Cairns XF1 , M, red, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■			■		■		
GYM1118500000-JD16	Cairns XF1 , M, yellow, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■			■				■
GYM1118500000-BA16	Cairns XF1 , M, white, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■			■			■	
GYM1118500000-NA16	Cairns XF1 , M, black, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■			■	■			
GYL1118500000-RE16	Cairns XF1 , L, red, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■		■		■		
GYL1118500000-JD16	Cairns XF1 , L, yellow, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■		■				■
GYL1118500000-BA16	Cairns XF1 , L, white, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■		■			■	
GYL1118500000-NA16	Cairns XF1 , L, black, glossy, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■		■	■			
GYM1118500000-RD16	Cairns XF1 , M, red, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■		■			■		
GYM1118500000-JC16	Cairns XF1 , M, yellow, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■		■					■
GYM1118500000-BU16	Cairns XF1 , M, white, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■		■				■	
GYM1118500000-NE16	Cairns XF1 , M, black, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified	■		■		■			
GYL1118500000-RD16	Cairns XF1 , L, red, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■	■			■		
GYL1118500000-JC16	Cairns XF1 , L, yellow, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■	■					■
GYL1118500000-BU16	Cairns XF1 , L, white, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■	■				■	
GYL1118500000-NE16	Cairns XF1 , L, black, matte, clear face shield, internal visor ANSI Z87, black ear laps, bag, AS/NZS 4067 certified		■	■		■			

ACCESSORIES

MATERIAL NUMBER	DESCRIPTION
GA115016	XF1 Front Plate, black
GA1484	XF1 Lighting module
GA1087C	XF1 Ocular visor assembly
GA010002H3	XF1 Boom microphone headset
GA010002H3A	XF1 Boom microphone headset 2 LS
10163388	PTT for APX6000/7000**
10163389	PTT for XTS5000**



MSA CAIRNS XF1 COLORS



Matte Black



Matte Red



Matte White



Matte Yellow



Glossy Black



Glossy Red



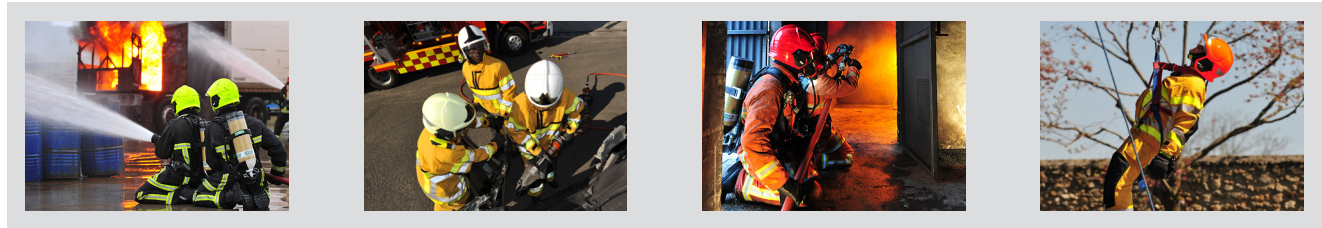
Glossy White



Glossy Yellow

Structural Fire Helmets and Accessories

F1 XF Helmet



Outdoor Fighting

Open-space fires involving vehicles, gas or chemicals expose firemen to extreme temperatures, radiant heat, and explosive or caustic materials for long periods of time.

Road and Traffic Accidents

Emergency Responders to accident scenes are exposed to various hazards (explosion, collapse, projectiles and high noise situations) when rescuing victims needing immediate assistance.

Structural firefighting

High temperatures, low visibility, falling debris, confined spaces and flashover situations make structural firefighting one of the most dangerous and challenging occupations.

Technical Rescue Operations

Unstable ground, environmental or structural hazards, fire, fatigue and other factors are all potential risks that may be encountered during long-lasting technical rescue operations.

Key Features



Optimal fit for all user profiles (female, large heads, etc) in all operating conditions

- 1 helmet, 2 sizes
- Medium for 52–62 cm
- Large for and 57–65 cm



Unmatched comfort with no pressure points on the head, and padding designed for ease of care and use

- Padded headband, 2 versions (leather and nomex)
- Removable / Washable paddings
- Wearing height adjustment



Short range, **integrated lighting** for optimal visibility in dark or smoky environments

- Lightweight, integrated lighting module (LED)
- Battery level indicator
- Over 10 hours of continuous operation



Robust sizing mechanism allowing for user friendly adjustment while on the head

- Ergonomic Wheel ratchet adjustment
- Large knob with easy access
- Multiple size increments



Adjustment of the wearing position for an optimal **comfort and balance** for all users profiles

- Angular rear and front adjustments for optimal wearing position
- Rear strap setting for enhanced stability
- Bright Yellow colour for intuitive adjustments



Adjustable, **high performance** ocular visor - optimal fit for all faces to prevent injuries

- Ease of manipulation with no interference in the viewing area
- Compatible with corrective spectacles
- Angular adjustment of the ocular visor with adjustable Mechanical stop
- Optical class 1



High performance and comfortable face protection with clear or gold coating

- Unique sliding mechanism to eliminate interferences
- Extended coverage
- Unique field of vision through the face shield



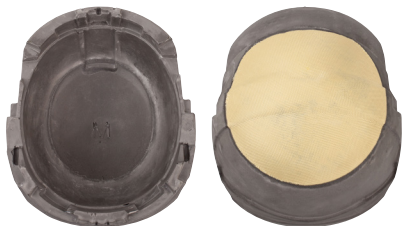
Optimised care and maintenance procedures, **reduced cost of ownership** and safer use

- Modular design with 2 separate modules
- Shortest full inspection time
- Easy care and component replacement



Optimal **retention and stability** on the head, with and without breathing apparatus

- Ergonomic 3 points chinstrap, with padded side straps
- Free pivot point accommodate various chin shape and size
- Quick strap adjustment to accommodate face piece



Unmatched **thermal and mechanical protection** even in extremely hot conditions

- Extended impact liner with Aramide insert
- Extended side protection for lateral impact protection
- Suspension system for lower force transmission



State-of-the-art integration **helmet mounted communication**

- Bone conductive headset with self adjustment
- Adjustable neckswan microphone with parking position
- One or two loudspeaker for comfort of hearing



Unique **customisation capabilities** with interchangeable front plate and personalised badges

- Various front plates colors and designs
- Metal badge with multiple colours
- Logo printing area for tampography identification

Available Colours:

White, Yellow, Red, Black, Hi-Viz Yellow, Hi-Viz Orange, Photoluminescent, Grey, Blue, Green



F1 XF Communication

Communication headset for integration in Gallet F1 XF fire helmet

MSA manufacture custom communications systems to suit your Gallet F1 XF Helmet.

Step 1. Choose one of the following communications types:



Flexible Microphone Headset

- One or two loudspeakers, in plastic housing with mounting clips.
- Flexible microphone, adjustable in length (80 mm) to optimize position in front of the mouth or in front of the speech diaphragm (BA face piece).
- Downlead Cable with anti-tearing, LEMO connecting plug (green cover).

Part Numbers
GA010002H3 (1 Speaker) LEMO Plug GA010002H3A (2 Speaker) Nexus Plug



Bone Conductive Microphone Headset

- One or two loudspeakers, in housing with mounting clips.
- Bone conductive microphone, inserted in the front headband padding.
- Downlead Cable with anti-tearing, LEMO connecting plug (blue cover).



Hearing Protection with Flexible Microphone

- Two ear muffs with padding and noise attenuation foam.
- Ear cup height adjustment system for optimal wearing position.
- Flexible microphone attached to the left muff.
- Downlead Cable with anti-tearing, LEMO connecting plug (green).

Step 2. Choose the push-to-talk (PTT) to suit your radio model.



Step 3. Contact MSA Customer Service for your nearest distributor

Contact MSA with your radio make and model for compatibility, part numbers and price.

Helmet Mounted Lighting Solutions

When working in fire & rescue environment, it is essential to have a good view of any potential hazards and risks. For this purpose, MSA offers a unique range of lighting solutions for firefighting helmets.



Key Product Features

- Hands free operation with light always directed to the target
- ATEX approved LED lamps for use in hazardous areas
- Specific helmet attachment, safe and angle adjustable, ergonomic position on lower part of helmet
- Robust, compact and functional lamp design
- Variety of performance and operating concepts for different applications
- Water resistant or water proof according to the model



Lamp XPS

- Constant LED illumination over nominal burn time, medium range, high light penetration in heavy fume environments.
- Compact and lightweight

Lamp AS-R

- Rechargeable with remaining burn time indicator
- Medium to long range
- High light penetration in heavy fume environments
- Two power modes
- Additional red LED to indicate wearers position
- Ergonomic and lightweight design
- Individual or collective charger (up to 40 lamps)

Lamp XS

- Short range lamp, ideal for reading maps or illuminating a working area
- Very compact and lightweight
- Supplied with adapter and lanyard

Gallet F1 XF integrated light module

- 2 LEDs on both sides
- Short range illumination with innovative light distribution, forward and downward
- Compact, protected and perfectly balanced
- Battery level indicator

Specifications

	XPS	AS-R	XS	F1 XF Light Module
Application				
Illumination Range	Medium	Medium to long	Short	Short
High heat & flame environment	■	■		■
Heavy fume penetration	■	■		■
Technical Rescue	■	■	■	■
Use in potentially explosive atmospheres (ATEX)	■ Zone 0	■ Zone 0	■ Zone 0	■ Zone 1
Technical Specifications				
IP	67	67	X4	56
Light technology	High performance LED white	High performance LED White + Lateral LED Red	LED white	4 LEDs, white
Power supply	3AA batteries (alkaline)	Rechargeable Li-Ion battery pack, various charging options	4 LR44 batteries (alkaline)	3AAA batteries (alkaline or rechargeable)
Nominal light output (lumen)	103	135 27 (economy mode)	12	25
Burn time (at indicated light output)	6 h	3.15 h 6.15 h (economy mode)	4.15 h	10h (with alkaline batteries)
Weight (with batteries)	180 g	180 g	35 g	100 g
Length	154 mm	156 mm	67 mm	Integrated
Colours	Hi-Visibility yellow with photoluminescent elements	Hi-Visibility yellow with photoluminescent elements	Grey with black shroud	Black (integrated)

Ordering Information

Part No	Description
Helmet mounted Lighting Solutions	
GA1481	Lamp AS-R (rechargeable)
GA1488	Lamp XPS (3AA batteries included)
GA1466	Lamp XS (4 LR44 batteries, lanyard, adapter included)
GA1484	Gallet F1 XF integrated light module (3 AAA batteries included)
Accessories	
GA1485D	Lamp support (right) for Gallet F1 XF helmets
GA1485G	Lamp support (left) for Gallet F1 XF helmets
GA1468	Lamp support, for F2X-TREM helmets
GA1431	Lamp support for F1E/F1S helmets
GA1483-A	Individual 220V charger for AS-R Lamp (other chargers upon request)
GA1440	Vehicle mount (all torches)
GA1441	Belt clip (all torches)

For more detailed information, please ask for our technical datasheet, which is available for each model.

- AS-R Lamp is manufactured by ADARO
- MSA by PELI lamps are manufactured by PELICAN. MSA by PELI lamps come with an unlimited warranty, except for the batteries
- ATEX approval is valid only with the battery brand specified in the users instructions
- All lamps are approved accessories for MSA helmets with their specific attachments

Multipurpose Technical Rescue and Wildland Fire Helmet F2 X-TREM



High performance helmet for wildland fires and a variety of technical rescue missions like traffic accidents, natural disasters etc.

Key Features

The ergonomic design makes it safe and comfortable, even over long periods of use.

Protection and Resistance

- Highly resistant shell to shocks, exposure to elevated temperatures and chemical attack

Comfort and fit

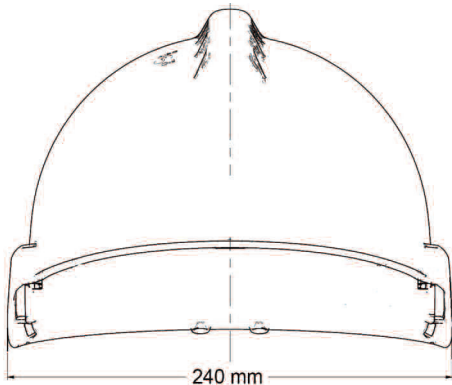
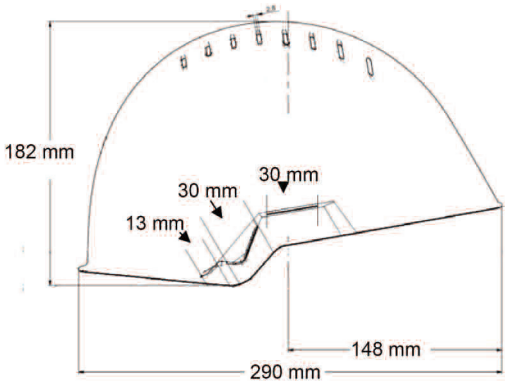
- Comfort headband covered with soft leather. Patented ratchet quick adjustment system, even with gloves on
- 3- point chinstrap for safe fit. Adjustable in 5 steps, with automatic buckles, flexible chincup
- Height-adjustable headband and net suspension

Modularity

- Interfaces for visors, goggles, hearing protectors, communication systems, attachment of full face masks and neck curtains

Technical specifications

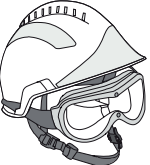
Material helmet shell	- Advanced high temperature painted thermoplastic - Vented or unvented options
Material inner parts	Flame retardant polyamide blends and fibres
Headsize	Adjustable leather headband 52-64 cm
Weight	Helmet (without accessories): 680 g +/- 20g
Available helmet colours	Yellow, red, white, blue, green, grey, black, photoluminescent, fluorescent yellow, fluorescent orange



Approvals

CE Marking	To EC Directive 89/686/on Personal Protective Equipment
Mechanical requirements	• EN16471 – Wildland fire helmet / EN16473 – Technical Rescue helmet • EN12492 – Mountain Climbing
Main requirements (varies with helmet type)	• Shock absorption (top / lateral) • Penetration resistance • Lateral deformation resistance • Protection against high speed particles • Flame resistance • Thermal resistance (convection and radiant heat) • Effective retention system • Electrical properties • Resistance to contact with liquid chemicals • Low temperature performance (-30 degrees)

Application

Application		Configuration examples
Technical Rescue		Wildland Fire
		High angle Rescue
		Urban Search & Rescue/ Tra`c accidents
		• Vented shell • 3-point chinstrap • Safety goggles • Approx. 830g • Reflective stripes (optional)
		• Vented shell • 3-point chinstrap • Approx. 680g • Reflective stripes (optional)
		• Unvented shell • 3-point chinstrap • Approx. 680g • Reflective stripes (optional)

Face Protection Visors

Various visors available (clear, mesh), all compatible with F2 X-TREM hearing protectors. **Meeting EN166** (Personal Eye-Protection) **or EN 1731** (Mesh eye and face protectors) **requirements.**

Description	Part. No
Visor carrier to mount on F2 X-TREM with ear muffs	SOR60020
Fixation of visor carrier, F2 X-TREM (pair)	SOR60022
Clear PC visor, 20 cm, for electric arcs	SOR60043
Clear PC visor, 20 cm, anti-fog/anti-scratch	SOR60045
Clear PC visor, 16 cm	SOR60041
Nylon mesh visor	SOR60065



PC visor



Mesh visor

Responder Goggle

- Advanced eye protection against a multitude of hazards, like impacts, liquid splash, smoke, heat, hot solids, dust, wind and UV radiation
- Premium anti-fog and anti-scratch coating
- Optimal comfort with the F2X TREM helmet, even during long operations



Complies with EN166 Standard (Personal Eye Protection)

Description	Part. No
Responder Goggle, Premium anti-fog and anti-scratch coating,130g	GA3027B
Spare headband (10 pcs)	GA3027C



Full face masks

Compatible with helmet mounted Breathing Apparatus (BA) face piece



Hearing Protectors

- Frontal and lateral customised stickers
- Retro-reflective stickers for higher visibility



Communication Systems

- Available for over 100 analog or digital radios. Please contact us for part numbers, depending on your radio.



Osteo



Micro

Neck curtains

Neck curtain protection (optional).

Meeting EN443:2008 (§ 4.7.2, § 4.9.2, § 4.10.2, § 4.13.2), EN16471 & EN16473 requirements

Description	Part. No
Rear coverage, aluminized model, 40g	GA3234
Wide coverage, 100% wool model, 130g	GA3240



Customization and Visibility

- Frontal and lateral customised stickers
- Retro-reflective stickers for higher visibility



Lamps

- Hands free operation with light directed forwards
- Specific helmet attachment, safe and angle adjustable, ergonomic position
- Robust, compact and functional lamp design
- Variety of performances and operating concepts for different applications



XPS Lamp
P/N : GA1488



XS Lamp (Includes mounting fixture)
P/N : GA1464



AS-R Lamp
P/N : GA1481

MSA Cairns Modern Fire & Rescue Helmets

660C Metro & Invader 664

For Structural & Proximity Firefighting

- Most popular modern helmet models
 - Sleek, low-profile design
 - Only difference
 - 660C: painted high-luster finish
 - 664: unpainted matte finish
- Certified to NFPA 1971 (Structural and Proximity)
 - Certified for proximity firefighting (with bonnet, shroud, and gold-coated face shield)
 - Hat sizes: 6¾ to 8¾



MSA Cairns 660C Metro
(shown with
Defender visor)



MSA Cairns Invader 664
(shown with
Defender visor)

Features & Benefits

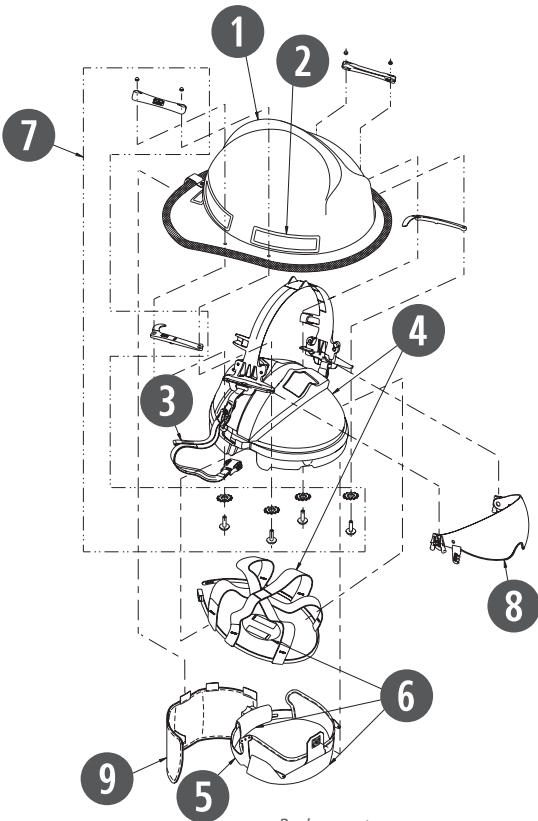
FEATURES	BENEFITS
Through-color Fiberglass Composite Shell	Maintains its color even after taking a beating on the fireground
Impact Cap	Provides superior thermal and impact protection when you need it most
Shell Release System	Retain your impact cap and earlaps if your helmet shell is torn away during a fall or structural collapse
Defender Visor Retractable Eye Protection	Deploys easily when you need it, stores securely inside your helmet shell when you don't
Adjustable NAPE Height	Three ratchet height positions to maximize comfort
Adjustable Headband Height	Ensures a perfect fit between your helmet and SCBA mask
D-ring Helmet Hanger	Fits on large hooks and resists bending
Nomex Chinstrap	Enhances safety, performance and fit thanks to quick-release buckles, postman's slide, and Velcro stowage system

Colors

	Black	Yellow	Red	White	Orange	Blue	Green	Pink
660C Metro	■	■	■	■	■	■	■	■
Invader 664	■	■	■	■				

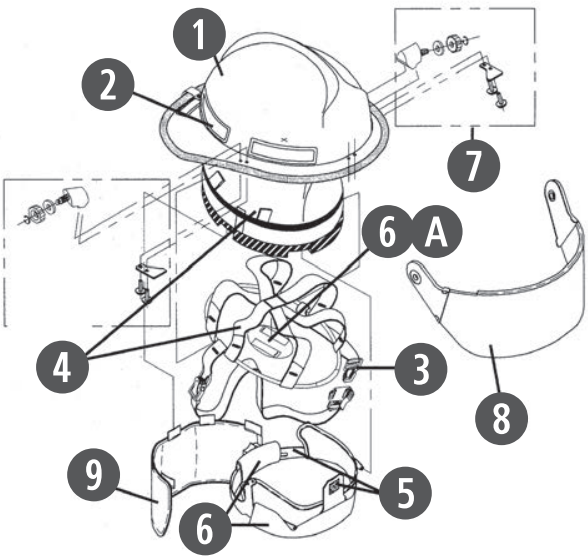
Colors shown are approximate.

660C Metro Defender & Invader 664 Defender Exploded View



1	Helmet Shell	—	4	Impact Cap and Suspension	49
2	Reflective Trim	55	5	Ratchet Headband System	52
3	Chinstrap	49	6	Cushions	52
			6 A	Crown Pad	52

660C Metro & Invader 664 Exploded View



7	Face Shield Hardware	50
8	Face/Eye Protection	50
9	Earlap/Protective Hood	53

Select 660C & 664 Helmets available on the program

For the products listed below, if your order is entered by 2:30 PM, the product ships the same day from our warehouse in Pittsburgh, PA. Order customized MSA Cairns Modern Fire Helmets through Assemble-to-Order (ATO) on pages 26–27.

P/N	Description
660C HELMETS	
660DSR	660C Red Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
660DSY*	660C Yellow Fire Helmet with Clear Defender Visor, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
600CFSY	660C Yellow Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
660CFSB	660C Black Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
664 HELMETS	
664FSY	664 Yellow Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim
664FSB	664 Black Fire Helmet with 4" Tuffshield, Yellow Nomex Earlap, Chinstrap with Postman's Slide and Lime Yellow Reflexite Trim

*Will be removed from SoS program upon inventory depletion.

Contact your local MSA Representative for ordering information.

GLOBE ATHLETIX

STRETCH

HAS NEVER MATTERED MORE.


GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™
MSA
 The Safety Company

GLOBE®

NOTHING COMPARES TO ATHLETIX™

New material technology enables all-new athletic design with unique stretch fabrics that allow closer, body-contoured fit to provide unprecedented range of motion with less bulk, more flexibility, and lighter weight.

MATERIALS

- **NEW PBI® STRETCH** fabric with **KEVLAR®** allows less bulky fit with unprecedented range of motion and more flexibility, while providing premium thermal break open protection.
- New **NOMEX® NANO** thermal barrier material is thinner, lighter, more flexible, more breathable, and quicker drying.
- New **3M™ SCOTCHLITE™ COMFORT TRIM** reflective material is segmented and heat sealed to be lighter, more flexible, and breathable without sacrificing visibility.
- **GORE® CROSSTECH® BLACK** moisture barrier provides the highest breathability in the widest range of environmental conditions, to reduce heat stress.

JACKET FEATURES

- **MORE STREAMLINED DESIGN** with vertical seaming reduces oversize in front chest, bulk under SCBA, and stiffness in front closure.
- **STRETCH PANELS** in the thermal liner work with the stretch outer shell to provide maximum range of motion and minimum restriction.
- **LESS BULKY, SOFTER, AND MORE ADJUSTABLE COLLAR** interfaces better with hood and helmet and reduces head restriction.
- **YOCCO™ DRAG RESCUE DEVICE** is easy to deploy when you need it, out of the way when you don't.
- **DRD OPENING IN THE COLLAR** takes bulk out of the upper back and allows better access above the SCBA.
- **ELASTICIZED SIDE PANELS** provide flexible, more athletic fit at the waist.
- **OVERLAPPING FRONT CLOSURE WITH OPTIONAL ZIPPERGRIPPER™** (patent pending) and simplified collar and throat tab reduce bulk and permit quicker and easier donning and doffing.
- **ARTICULATED ELBOWS** for body-contoured fit with minimum restriction.
- **CARGO POCKETS WITH GRIP TABS** for quicker and easier access to all your stuff in the minimum amount of time.
- **TELESCOPING SLEEVE BAND WITH DOUBLE WRISTERS** keeps water out and adds thermal protection.
- **LINER ACCESS OPENING** allows for easy access between the layers.

PANTS FEATURES

- **LOWER RISE, LESS BULKY DESIGN** fits closer to your body, and deeper fly opening permits quicker and easier donning and doffing.
- **ADJUSTABLE BELT CLOSURE** makes the pants fit like jeans or can be replaced by your choice of Class 2 Seat Harnesses or Personal Escape Belt, initially or down the road.
- **BANDED INSEAM DESIGN** allows stretch in all directions and reduces binding in the crotch.
- **STRETCH PANELS** in the thermal liner work with the stretch outer shell to provide maximum range of motion and minimum restriction.
- **ELASTICIZED SIDES** provide flexible, more athletic fit at the waist.
- **ARTICULATED KNEES** with cathedral knee patches and **SILIZONE®** knee pads are built for unrestricted and protected crawling.
- **ANGLED SIDE POCKETS WITH GRIP TABS** for easier access to all your stuff in the minimum amount of time.
- **PADDED H-BACK RIPCORDER SUSPENDERS** attach to horizontal loops, so there is no metal hardware to dig in or pull out.
- **LINER ACCESS OPENING** allows for easy access between the layers.
- **REVERSE BOOT CUT** is shorter in the back, to avoid premature cuff wear.

HARNESSES OPTIONS

- Choice of **SERIES 1 INTERNAL HARNESSES** with floating leg loops and low-profile waist buckle, **SERIES 2 INTERNAL HARNESSES** with floating leg loops, hook and dee closure, and choice of auto-lock carabiner, or **SERIES 3 INTERNAL HARNESSES** with floating leg loops and a hook and dee style closure.
 - **PATENTED FLOATING LEG LOOP SYSTEM** of all Globe harnesses is hardware free and made from **KEVLAR®**. Leg loops stay down out of your business except when you load the harness, pulling them up into the correct seat position to equalize the load.
 - With integrated harness, consider a **ROPE POCKET** for rope storage and/or an **ESP POCKET**, which stores rope, hook, and descender with easy access for deployment.
 - **PERSONAL ESCAPE BELT OPTION** replaces standard belt closure.
- Because **ATHLETIX™** is loaded with standard features and due to the nature of the stretch fabric, additional options have been specially designed to work with **ATHLETIX™**.



Certified to NFPA 1971 (Structural Fire Fighting)

MADE IN THE USA

[MSAfire.com/Globe](https://www.MSAfire.com/Globe)

GLOBE TURNOUT GEAR

G-XTREME® 3.0



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE®

THE EVOLUTION OF ATHLETIC GEAR FOR FIREFIGHTERS CONTINUES.

Completely retailored from collar to cuff to provide even less restriction, G-XTREME® 3.0 is the latest evolution of our original breakthrough design. With all the features that made the original America's most popular gear, including Globe's exclusive AXTION® Back and Sleeve, you'll instantly feel how these improvements let you make all the right moves. And, in combination with our new Globe Pant System, our G-XTREME 3.0® jacket comes in shapes to fit your body better.

JACKET FEATURES

- **AXTION® BACK** adds length across your shoulders when you work in front of you.
- **AXTION® SLEEVE** provides extra length when you reach.
- **FREE-HANGING THROAT TAB** stays out of your way when not deployed.
- **TELESCOPING SLEEVE WELLS** keep water out and add thermal protection.
- **YOCCO™ DRAG RESCUE DEVICE** is easy to deploy when you need it, out of the way when you don't.
- **THERMALLY ENHANCED UPPER BODY** is oversized for more coverage.
- **CONTOURED SLEEVES** are ergonomically curved to work with you — not against you.
- **ONE-PIECE CONTOURED COLLAR** eliminates bulk and maintains an ergonomic shape when flipped up or folded down.
- **EXPANSION CARGO/HANDWARMER POCKETS** are reinforced with KEVLAR® fabric inside and NOMEX® fleece behind.
- **GENEROUS LINER POCKET** is lined with moisture barrier.
- **EXTENDED BACK** option allows you to choose to extend the back by 3" or 6" for additional overlap and lettering below the SCBA.
- Optional **ZIPPERGRIPPER™** (patent pending) makes starting the zipper a breeze.

GLOBE PANT SYSTEM FEATURES

- Your choice of **FITS** make these pants fit like a pair of jeans: Slim, Regular, Relaxed, and Women's.
- **VERTICAL FLY CLOSURE** with hook and loop makes for fast and secure donning.
- Your choice of **CLOSURES** include tunnel with half-belt, full belt with wide belt loops, escape belt with wide belt loops, or hook and dee with take-up straps and wide belt loops.

- **INDEPENDENT STRETCH WAISTBAND** provides unrestricted fit and no-gap protection with liner.
- **ELASTICIZED SIDES** provide flexible, more athletic fit at the waist.
- **ARTICULATED KNEES** with **CATHEDRAL KNEE** reinforcements are built for unrestricted crawling.
- **THERMALLY ENHANCED KNEES** add a layer of thermal and moisture barrier to protect this high-compression area.
- **PADDED H-BACK RIPCORDER SUSPENDERS** attach to horizontal loops so there is no metal hardware to dig in or pull out.
- **EXPANSION CARGO POCKETS** are reinforced with KEVLAR® fabric inside.
- **ONE-PIECE CROTCH GUSSET** reduces binding in the crotch.
- **REVERSE BOOT CUT** is shorter in the back to avoid premature cuff wear.
- Your choice of **REINFORCEMENTS** on knees and cuffs include DRAGONHIDE®, Ara-Shield®, or suede.
- **SILIZONE® KNEE PADDING** recommended on liner.

OTHER JACKET AND PANTS FEATURES

- **LINER ACCESS OPENINGS** allow for easy access between the layers.
- **TRIMTRAX® THREAD PROTECTION** cording lasts far longer on sewn on trim than conventional stitching.
- **DOUBLE-STITCHED SEAMS** with 8-10 stitches per inch for longer service life.
- Your choice of **MATERIALS**: Outer Shells, Moisture Barriers, Thermal Liners, Reinforcements, Reflective Trim, and Lettering.
- Your choice of **OPTIONS**: Closures, Pockets, Holders/Clips/Straps, Patches, Sleeve Wells/Wristers, Suspenders, and Harnesses/Loops/Pockets.
- **MEN'S & WOMEN'S SIZES**: Chest, Length, Sleeve, Waist, Jacket Shape (Men's Straight or Tapered), Inseam, and Pant Fit (Men's Slim, Regular, Relaxed).



Certified to NFPA 1971 (Structural Fire Fighting)

MADE IN THE USA

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GLOBE TURNOUT GEAR

G-XCEL[®]



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE[®]

LIGHTWEIGHT AND FLEXIBLE ARE HALLMARKS OF THIS ALL-NEW CHASSIS.

With a longer back and shorter front on the jacket, you get more overlap where you need it with less where you don't. So everything about this contemporary design feels just right.

JACKET FEATURES

- **STANDARD LONGER BACK** for more overlap coverage and space for lettering below the SCBA.
- **AXTION[®] SLEEVE** provides extra length when you reach.
- **FREE-HANGING THROAT TAB** stays out of your way when not deployed.
- **TELESCOPING SLEEVE BAND** keeps debris and water out.
- **CONTOURED SLEEVES** are ergonomically curved to work with you — not against you.
- Shorter **CONTOURED COLLAR** for easy interface with helmets.
- **YOCCO™ DRAG RESCUE DEVICE** is easy to deploy when you need it, out of the way when you don't.
- **CARGO/HANDWARMER POCKETS** lined with KEVLAR[®] fabric inside and NOMEX[®] fleece behind.
- **GENEROUS LINER POCKET** is lined with moisture barrier.

GLOBE PANT SYSTEM FEATURES

- Your choice of **FITS** make these pants fit like a pair of jeans: Slim, Regular, Relaxed, and Women's.
- **VERTICAL FLY CLOSURE** with hook and loop makes for fast and secure donning.
- Your choice of **CLOSURES** include tunnel with half-belt, full belt with wide belt loops, escape belt with wide belt loops, or hook and dee with take-up straps and wide belt loops.
- **INDEPENDENT STRETCH WAISTBAND** provides unrestricted fit and no-gap protection with liner.
- **ELASTICIZED SIDES** provide flexible, more athletic fit at the waist.
- **ARTICULATED KNEES** with **CATHEDRAL KNEE** reinforcements are built for unrestricted crawling.

- **THERMALLY ENHANCED KNEES** add a layer of thermal and moisture barrier to protect this high-compression area.
- **PADDED H-BACK RIPCORD SUSPENDERS** attach to horizontal loops so there is no metal hardware to dig in or pull out.
- **EXPANSION CARGO POCKETS** are reinforced with KEVLAR[®] fabric inside.
- **ONE-PIECE CROTCH GUSSET** reduces binding in the crotch.
- **REVERSE BOOT CUT** is shorter in the back to avoid premature cuff wear.
- Your choice of **REINFORCEMENTS** on knees and cuffs include DRAGONHIDE[®], Ara-Shield[®], or suede.
- **SILIZONE[®] KNEE PADDING** recommended on liner.

OTHER JACKET AND PANTS FEATURES

- **LINER ACCESS OPENINGS** for easy access between the layers.
- **TRIMTRAX[®] THREAD PROTECTION** cording lasts far longer on sewn on trim than conventional stitching.
- **DOUBLE-STITCHED SEAMS** with 8–10 stitches per inch for longer service life.
- Your choice of **MATERIALS**: Outer Shells, Moisture Barriers, Thermal Liners, Reinforcements, Reflective Trim, and Lettering.
- Your choice of **OPTIONS**: Closures, Pockets, Holders/Clips/Straps, Patches, Sleeve Wells/Wristers, Suspenders, and Harnesses/Loops/Pockets.
- **MEN'S AND WOMEN'S SIZES**: Chest, Length, Sleeve, Waist, Inseam, and Pant Fit (Slim, Regular, Relaxed).



Certified to NFPA 1971 (Structural Fire Fighting)
MADE IN THE USA

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GLOBE TURNOUT GEAR

CLASSIX[®] SE



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE[®]

NON-RESTRICTIVE FIT AT A VALUE PRICE.

CLASSIX[®] SE is ideal for departments looking for a generous, non-restrictive fit at a value price. The jacket features a tapered body that is roomier through the shoulder and upper body with less bulk at the hem. It has a shorter one-piece collar offering a better interface with the helmet. The low-rise pants offer a “street fit.”

JACKET FEATURES

- **DROP-SHOULDER DESIGN** moves seam beyond the shoulder for improved reach and reduced coat ride up.
- **DOUBLE SLEEVE WELLS** with NOMEX[®] wristers to keep water out and interface with all glove styles.
- **FREE-HANGING THROAT TAB** stays out of your way when not deployed.
- **YOCCO™ DRAG RESCUE DEVICE** is easy to deploy when you need it, out of the way when you don't.
- **DUAL ACTION CARGO POCKETS** with KEVLAR[®] fabric reinforcement inside.
- **FRONT CLOSURE** is zipper in, hook and loop out.

PANTS FEATURES

- **VERTICAL FLY** with hook and dee positive closure and take-up straps or optional belt.
- **INDEPENDENT WAISTBAND** for unrestricted fit and no-gap protection with liner.
- **DIAMOND CROTCH GUSSET** distributes stress in both shell and liner for durability.
- **PADDED H-BACK RIPCORD SUSPENDERS** attach to horizontal loops so there is no hardware to dig in or pull out.
- **THERMALLY ENHANCED FLEX LINER KNEES** add mobility and a layer of thermal and moisture barrier to protect this high-compression area.
- **REVERSE BOOT CUT** is shorter in the back to avoid premature cuff wear.

OTHER JACKET AND PANTS FEATURES

- **LINER ACCESS OPENINGS** for easy access between the layers.
- **CUFF REINFORCEMENTS** are grey suede.
- **TRIMTRAX[®] THREAD PROTECTION** cording lasts far longer on sewn on trim than conventional stitching.
- **DOUBLE-STITCHED SEAMS** with 8-10 stitches per inch for longer service life.
- Available in a limited range of popular materials and options.



Certified to NFPA 1971 (Structural Fire Fighting)
MADE IN THE USA

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INTRODUCING THE

GLOBE PANT SYSTEM

THE ONLY PANTS AVAILABLE IN 4 FITS.



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™


GLOBE®

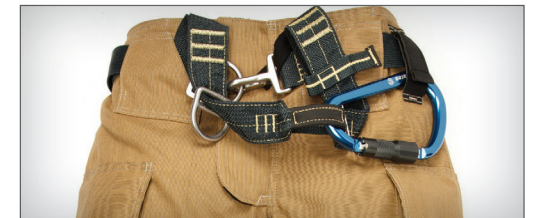
We've revolutionized turnout pants again with our new Globe Pant System – because fit has never mattered more. Pants that fit you like a pair of jeans enhance your performance and comfort while ensuring your protection and safety. With the advanced design you expect from Globe, you'll have a leg up on the job.

FEATURES

- Your choice of **FITS** make these pants fit like a pair of jeans: Slim, Regular, Relaxed, and Women's.
- **VERTICAL FLY CLOSURE** with hook and loop makes for fast and secure donning.
- Your choice of **CLOSURES** include tunnel with half-belt, full belt with wide belt loops, escape belt with wide belt loops, or hook and dee with take-up straps.
- **INDEPENDENT STRETCH WAISTBAND** provides unrestricted fit and no-gap protection with liner.
- **ELASTICIZED SIDES** provide flexible, more athletic fit at the waist.
- **ARTICULATED KNEES** with **CATHEDRAL KNEE** reinforcements are built for unrestricted crawling.
- **THERMALLY ENHANCED KNEES** add a layer of thermal and moisture barrier to protect this high-compression area.
- **PADDED H-BACK RIPCORD SUSPENDERS** attach to horizontal loops so there is no metal hardware to dig in or pull out.
- **EXPANSION CARGO POCKETS** are reinforced with KEVLAR® fabric inside.
- **ONE-PIECE CROTCH GUSSET** reduces binding in the crotch.
- **REVERSE BOOT CUT** is shorter in the back to avoid premature cuff wear.
- **LINER ACCESS OPENING** allows for easy access between the layers.
- **TRIMTRAX® THREAD PROTECTION** cording lasts far longer on sewn on trim than conventional stitching.
- **DOUBLE-STITCHED SEAMS** with 8-10 stitches per inch for longer service life.

OPTIONAL FEATURES

- Your choice of **REINFORCEMENTS** on knees and cuffs include DRAGONHIDE®, Ara-Shield®, or suede.
- **SILIZONE® KNEE PADDING** recommended on liner.
- **GLOBE GUARD™ SYSTEM** helps reduce exposure to toxic substances through the cuffs and fly.



- **IH™ READY PANTS** option with your choice of Class 2 Seat Harnesses or Personal Escape Belt, initially or down the road.
- **LEFT-HAND OPENING** with angled fly for left-opening external harnesses, with optional harness loops.
- Your choice of **MATERIALS**: Outer Shells, Moisture Barriers, Thermal Liners, Reinforcements, and Reflective Trim.
- Your choice of **OPTIONS**: Closures, Pockets, Holders/Clips/Straps, Suspenders, and Harnesses/Loops/Pockets.

HARNES OPTIONS

- Choice of **SERIES 1 INTERNAL HARNES** with floating leg loops and low-profile waist buckle, **SERIES 2 INTERNAL HARNES** with floating leg loops, hook and dee closure, and choice of auto-lock carabiner, or **SERIES 3 INTERNAL HARNES** with floating leg loops and a hook and dee style closure.
- **PATENTED FLOATING LEG LOOP SYSTEM** of harnesses is hardware free and made from KEVLAR®. Leg loops stay down out of your business except when you load the harness, pulling them up into the correct seat position to equalize the load.
- **PERSONAL ESCAPE BELT** replaces standard belt closure.
- **ESP POCKET** stores rope, hook, and descender with easy access for deployment.

MEN'S SIZES: Fit (Slim, Regular, Relaxed), Waist, and Inseam.

WOMEN'S SIZES: Waist and Inseam.



Certified to NFPA 1971 (Structural Fire Fighting).

MADE IN THE USA

[MSAfire.com/Globe](https://www.MSAfire.com/Globe)

GLOBE BOOTS

SUPREME™



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE®

SUPREME™ 14" PULL-ON BOOT

Step into a pair of SUPREME™ boots and you will know instantly why this boot has taken the market by storm. The combination of the cushioned and contoured sole, the flexible athletic footwear construction, and the internal fit system make this boot fit like a pair of sneakers. And the specially designed and formulated outsole gives you the best grip in the business in wet, dry, and ice.

FEATURES

- **FLAME-RESISTANT, WATER-RESISTANT HEAVY-DUTY LEATHER.** Specially softened leather in high-flex areas to move with you.
- **GORE® CROSSTECH® FOOTWEAR FABRIC.** A full-height bootie liner made from a package of Omaha lining fabric, 300g insulation, and GORE® CROSSTECH® moisture barrier provides protection unmatched by any other waterproof, breathable barrier.
- **3M™ SCOTCHLITE™ REFLECTIVE MATERIAL.** Flame-resistant fluorescent and reflective material for added visibility.
- **HEELPORT™ INTERNAL FIT SYSTEM.** Holds your heel securely so it won't slip while cushioning your ankle.
- **COMPOSITE HEEL COUNTER.** Individually molded to fit each size perfectly.
- **COMPOSITE SHANK.** Lighter than steel, doesn't transmit heat or cold, springs back to shape better.
- **COMPOSITE PUNCTURE PROTECTION.** Far more flexible than a steel plate and doesn't transmit heat or cold. Exceeds NFPA standards.
- **VIBRAM® CONTOURED CUP OUTSOLE.** Molded outsole wraps onto the leather upper for athletic shoe performance. Flame, abrasion, oil, acid, and slip-resistant compound engineered for high traction and durability, even during prolonged exposure to extremes of heat and cold.
- **SLIP-RESISTANT TREAD.** Siping – thin slits cut into flat areas across the sole – opens up when flexed to provide additional traction on water and ice. Self-cleaning lugs and omnidirectional tread pattern designed for superior performance in all terrains and when working on ladders. Optional VIBRAM® ARCTIC GRIP PRO outsoles are available for even better slip resistance on wet ice.
- **PULL STRAPS.** Flexible NOMEX® webbing pull straps reinforced with leather, slide easily under turnout pants and are kind to your legs.
- **KEVLAR® BLEND PROTECTIVE SHIELD.** Protects the GORE® CROSSTECH® moisture barrier, provides cut resistance, and adds thermal protection.
- **PADDED COMPOSITE SHIN GUARD.** Provides extra protection when you are working on a ladder.
- **VIBRAM® TOE BUMPER.** Made from same rugged compound as the outsole for abrasion resistance when crawling.
- **COMPOSITE SAFETY TOE CAP.** Lighter than steel, doesn't transmit heat or cold, and exceeds NFPA standards for safety.
- **ENHANCED 3D MOLDED FOOTBED SYSTEM.** Removable footbeds are contoured to cradle and cushion the bottom of your feet and to provide arch support. Urethane foam bottom layer provides durable cushioning while a micro-cellular open-cell foam top layer delivers cool, all-day comfort. Moisture-wicking and anti-microbial fabric top pulls moisture away from your feet. A second, thicker removable footbed is provided for a snugger fit or when wearing lighter socks.
- **3D COMPOSITE LASTING BOARD.** Lasted to boot uppers with a built-in flex zone in the forefoot and a torsionally stable heel. Works together with the footbed to conform to your foot's shape.
- **ATHLETIC FOOTWEAR CONSTRUCTION.** Two-part cross-linking adhesive bonds outsoles to the upper. Without stiff welts and ribbed mid-soles, this attachment process is far more flexible.

EXTENDED SIZE RANGE

- **MEN'S:** Full Sizes 5-18 and Half Sizes 5 ½ - 15 ½ in Narrow, Medium, Wide, and X-Wide widths..
- **WOMEN'S:** Full Sizes 5-12 and Half Sizes 5 ½ - 11 ½ in Narrow, Medium, Wide, and X-Wide widths.



Certified to NFPA 1971 (Structural Fire Fighting) and NFPA 1992 (Liquid Splash).
CSA certified version available.

MADE IN THE USA

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GLOBE BOOTS

ONYX®



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE®

ONYX® 13" PULL-ON BOOT

Now you can enjoy the benefits of Globe boots at a value price. ONYX® boots share the same cushioned and contoured outsole and athletic footwear construction as our SHADOW™ boot, so they are remarkably flexible, grip like crazy, and fit like no other.

FEATURES

- **FLAME-RESISTANT, WATER-RESISTANT LEATHER.** Specially softened, tumbled leather in high flex areas to move with you.
- **GORE® CROSSTECH® FOOTWEAR FABRIC.** A full-height bootie liner made from a package of Omaha lining fabric, 300g insulation, and GORE® CROSSTECH® moisture barrier provides protection unmatched by any other waterproof, breathable barrier.
- **HEELPORT™ INTERNAL FIT SYSTEM.** Holds your heel securely so it won't slip while cushioning your ankle.
- **MOLDED HEEL COUNTER.** Individually molded to fit each size perfectly.
- **COMPOSITE SHANK.** Lighter than steel, doesn't transmit heat or cold, springs back to shape better.
- **COMPOSITE PUNCTURE PROTECTION.** Far more flexible than a steel plate and doesn't transmit heat or cold. Exceeds NFPA standards.
- **VIBRAM® CONTOURED CUP OUTSOLE.** Molded outsole wraps onto the leather upper for athletic shoe performance. Flame, abrasion, oil, acid, and slip-resistant compound engineered for high traction and durability, even during prolonged exposure to extremes of heat and cold.
- **SLIP-RESISTANT TREAD.** Siping — thin slits cut into flat areas across the sole — opens up when flexed to provide additional traction on water and ice. Self-cleaning lugs and omnidirectional tread pattern designed for superior performance in all terrains and when working on ladders.
- **FLEXIBLE NOMEX® WEBBING PULL STRAPS.** Slide easily under turnout pants and are kind to your legs.
- **PADDED COMPOSITE SHIN GUARD.** Provides extra protection when you are working on a ladder.
- **COMPOSITE SAFETY TOE CAP.** Lighter than steel, doesn't transmit heat or cold, and exceeds NFPA standards for safety.
- **VIBRAM® TOE BUMPER.** For abrasion resistance when crawling. Cemented and 2-needle stitched to the vamp.
- **ENHANCED 3D MOLDED FOOTBED SYSTEM.** Removable footbeds are contoured to cradle and cushion the bottom of your feet and to provide arch support. Urethane foam bottom layer provides durable cushioning while a micro-cellular open-cell foam top layer delivers cool, all-day comfort. Moisture-wicking and anti-microbial fabric top pulls moisture away from your feet. An additional set of polymer inserts are provided to install under the footbeds when a snugger fit is desired.
- **3D COMPOSITE LASTING BOARD.** Lasted to boot uppers with a built-in flex zone in the forefoot and a torsionally stable heel. Works together with the footbed to conform to the shape of your foot.
- **ATHLETIC FOOTWEAR CONSTRUCTION.** Two-part cross-linking adhesive bonds outsoles to the upper. Without stiff welts and ribbed mid-soles, this attachment process is far more flexible.

EXTENDED SIZE RANGE

- **MEN'S:** 5-16 (full and half sizes), 17-18 (full sizes only) in Narrow, Medium, Wide, and X-Wide widths. Wide calf model available in all sizes.
- **WOMEN'S:** 5-12 (full and half sizes) in Narrow, Medium, Wide, and X-Wide widths. Wide calf model available in all sizes.



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MADE IN THE USA

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GLOBE BOOTS

SHADOW™ XF



GLOBE. ATHLETIC GEAR FOR FIREFIGHTERS.™



GLOBE®

SHADOW™ XF 14" PULL-ON

SHADOW™ XF shares the remarkably flexible platform, cushioned and contoured sole, and internal fit system that make Globe boots fit better, grip better, and feel broken in the right out of the box. The all-black SHADOW™ XF has also been designed with a heel bumper for wear resistance caused by toe-to-heel boot removal.

FEATURES

- **FLAME-RESISTANT, WATER-RESISTANT HEAVY-DUTY LEATHER.** Pebble grain leather with tumbled leather collar.
- **GORE® CROSSTECH® FOOTWEAR FABRIC.** A full-height bootie liner made from a package of Omaha lining fabric, 300g insulation, and GORE® CROSSTECH® moisture barrier provides protection unmatched by any other waterproof, breathable barrier.
- **HEELPORT™ INTERNAL FIT SYSTEM.** Holds your heel securely so it won't slip while cushioning your ankle.
- **COMPOSITE HEEL COUNTER.** Individually molded to fit each size perfectly.
- **COMPOSITE SHANK.** Lighter than steel, doesn't transmit heat or cold, springs back to shape better.
- **COMPOSITE PUNCTURE PROTECTION.** Far more flexible than a steel plate and doesn't transmit heat or cold. Exceeds NFPA standards.
- **VIBRAM® CONTOURED CUP OUTSOLE.** Molded outsole wraps onto the leather upper for athletic shoe performance. Flame, abrasion, oil, acid and slip-resistant compound engineered for high-traction and durability, even during prolonged exposure to extremes of heat and cold.
- **SLIP-RESISTANT TREAD.** Siping – thin slits cut into flat areas across the sole – opens up when flexed to provide additional traction on water and ice. Self-cleaning lugs and omnidirectional tread pattern designed for superior performance in all terrains and when working on ladders.
- **OPTIONAL VIBRAM® ARCTIC GRIP PRO OUTSOLES.** Available for even better slip resistance on wet ice.
- **FLEXIBLE NOMEX® WEBBING PULL STRAPS.** Slide easily under turnout pants and are kind to your legs.
- **KEVLAR® PROTECTIVE SHIELD.** Protects the GORE® CROSSTECH® moisture barrier, provides cut resistance, and adds thermal protection.
- **PADDED COMPOSITE SHIN GUARD.** Provides extra protection when you are working on a ladder.
- **VIBRAM® TOE BUMPER.** Made from same rugged compound as the outsole for abrasion resistance when crawling.
- **COMPOSITE SAFETY TOE CAP.** Lighter than steel, doesn't transmit heat or cold, and exceeds NFPA standards for safety.
- **VIBRAM® HEEL BUMPER.** For wear resistance caused by toe-to-heel boot removal.
- **DUAL-DENSITY ENHANCED 3D MOLDED FOOTBED SYSTEM.** Removable dual-density footbeds are contoured to cradle and cushion the bottom of your feet and to provide arch support. Urethane foam bottom layer provides durable cushioning while a micro-cellular open-cell foam top layer delivers cool, all-day comfort. Moisture-wicking and anti-microbial fabric top pulls moisture away from your feet. An additional set of polymer inserts are provided to install under the footbeds when a snugger fit is desired.
- **3D COMPOSITE LASTING BOARD.** Lasted to boot uppers with a built-in flex zone in the forefoot and a torsionally stable heel. Works together with the footbed to conform to your foot's shape.
- **ATHLETIC FOOTWEAR CONSTRUCTION.** Two-part cross-linking adhesive bonds outsoles to the upper. Without stiff welts and ribbed mid-soles, this attachment process is far more flexible.

EXTENDED SIZE RANGE

- **MEN'S:** Full Sizes 5-18 and Half Sizes 5 ½-15 ½ in Narrow, Medium, Wide, and X-Wide widths. Wide calf model available in all sizes.
- **WOMEN'S:** Full Sizes 5-12 and Half Sizes 5 ½-11 ½ in Narrow, Medium, Wide, and X-Wide widths. Wide calf model available in all sizes..



Certified to NFPA 1971 (Structural Fire Fighting) and NFPA 1992 (Liquid Splash).
CSA certified.

MADE IN THE USA

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Contact your local MSA Representative for ordering information.

MSA - The Safety Company

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

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 warning or cautions provided have been thoroughly read and understood. Only they contain the complete and detail information concerning proper use and care of these products.

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