

# V-Gard® 950 Class 2

Non-vented industrial safety helmet with integrated face shield



## The V-Gard 950 Class 2

safety helmet has been developed for electrical activities requiring demanding arc flash protection up to 7 kA. This balanced and lightweight unvented electrician's safety helmet features an integrated clear GS-ET-29 Class 2 faceshield and MSA-unique neck & ear flap protection, which can be stowed on the helmet. The clear faceshield offers a light transmittance greater than 75%, providing the user with an optimal and secured colour recognition to get the job done safely and securely.



## Helmet 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
- 4-point chinstrap with multiple adjustment points 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 2 (7kA)
- Clear light blue tinted integrated faceshield with light transmittance greater than or equal to 75%
- Premium anti-fog/anti-scratch coated visor fits over all corrective and safety glasses
- Layer of flame resistant foam at the top of the visor for enhanced seal to the shell
- Reliable single handed smooth movement, even when wearing gloves
- 2 face shield positions (up or completely down)
- Tool free face-shield replacement

## Suspension Features

- 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 ratchet adjustable even with gloves
- Three levels of nape height adjustment giving superior fit

## Extended Ear and Neck Flap Features

- Unique extended arc flash ear and neck flap system to ensure protection against arc flash (arc flash resistant textile; GS-ET-29 Class 2)
- Orange color inside (visible in upper/stand-by position) and grey color outside (visible in down/safety position) so you can visibly see when workers are protected
- Hand wash (40°C)

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## Benefits of choosing logoed safety helmets

- Use your hard hat to promote your company brand anywhere
- Identify your workers when they operate on a construction site along with other contractors
- Use the helmet to promote safety messages
- Easily identify workers' positions and responsibilities
- Unify your workers with a sense of team work and pride.

## MSA Logo Express

- Choose from one-color logos to digital colour photos of your choice; up to four locations and maximum size of 50 x 75 mm
- Quality printing, durable and weather resistant
- Minimum order quantities start with 12 helmets
- Logo printing is possible on the badge holder: 30 x 75 mm



## Custom sticker option

- Set of 5 retroreflective stickers, honeycomb design
- Available colours: grey, red, green, yellow, blue
- Can be applied during production or inserted inside the helmet bag or ordered separately
- Similar day and night time appearance



## Optional badge/lamp holder

- Robust and watertight for outdoor applications
- Can hold business cards, magnetic access control badge, authorization or licenses
- Assembled during production
- Designed for using with headband lamp



## Markets

- Utilities
- General industry and manufacturing, including electric vehicles
- Construction
- Oil, gas and petrochemical

## Replacement parts

- Fas-Trac® III suspension
- Foam sweatband
- V-Gard Universal 4-point chinstrap
- Class 2 faceshield
- Extended ear and neck arc flash protection system

## Other compatible accessories

- Individual naming stickers
- Winter liners and neck capes

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## Product Specification

<b>General</b>		
<b>Product size</b>	Head sizes from 52–63 cm	
<b>Metal parts</b>	None	
<b>Weight</b>	715g including the V-Gard universal 4 point chinstrap and the extended ear and neck arc-flash protection system	
<b>Shell dimensions</b>	225mm (width) x 150mm (height) x 298mm (length)	
<b>Visor dimensions</b>	290mm (width) x 210mm (height) x 3mm (thickness)	
<b>Material</b>		
<b>Standard</b>	CE Certified (EN397) with MSA Industrial Helmets	
<b>Shell</b>	Acrylonitrile Butadiene Styrene (ABS), UV stabilized Non vented	
<b>Suspension</b>	Headband	Polypropylene (PP)
	Clips	Grey polypropylene (PP)
	Sweatband	Sweat-wicking polyurethane (PU) internal grey foam and grey polyamide (PA) finish in contact with the head. Machine or hand washing (max. 50 cycles)
	Webbing	Textile black polyester (PET) 6 points
	Ratchet	Polyoxymethylene (POM), polypropylene (PP) and polyamide (PA)
	Comfort pad	Low Density Polyethylene (LDPE)
<b>Inner frame</b>	Polycarbonate	
<b>Face shield</b>	Lenses	Clear polycarbonate (PC)
	Lenses rails	Polyoxymethylene (POM)
	Connecting pivot	Polyamide (PA)
	Foam	Flame resistant EPDM Foam Rubber
<b>Extended arc flash protection (mandatory)</b>	Lyocell fiber, modacrylic, core bonding fibers, meta-aramids, polyamide Hook&loop : polyamide Color Code: - Internal: Pantone 17-1464 hi-viz orange - External: Pantone 19-0201 grey	
<b>V-Gard Universal 4 pt chinstrap</b>	Straps	Polyester textile
	Clips	Polyoxymethylene (POM)
	Fastener	Acetal
	Adjusters and automatic buckle	Polyamide
	Chin cup (optional)	Leather, lyocell fiber, modacrylic, core bonding fibers, meta-aramids, polyamide
<b>Badge holder/lamp holder (optional)</b>	Clear PC ultrasonic welded Holds a badge 85 mm x 54 mm x 0.8 mm	
<b>Retro reflective stickers (optional)</b>	Vinyl retro reflective stickers with pressure sensitive adhesive Total reflective area = 11688 mm <sup>2</sup>	
<b>Lifetime guidelines</b>		
<b>Storage life</b>	<b>3 years</b> from the manufacturing date. Store in a proper storage bag and/or in a closed cabinet to avoid extended exposure to sunlight, cold, humidity, exhaust fumes, etc. NB: For EN 50365 class 0 helmets: recommended storage temperature 20 ±15 °C to ensure performance	
<b>Service life</b>	<b>5 years</b> from the first day of use in addition to the storage life. MSA recommends writing the date of first use on a sticker (supplied with each helmet) and then fixng to the shell.	
<b>Note face shield</b>	Before each use, inspect the face shield and replace when damaged or scratched or when connecting pivots are worn. Faceshields have a service life of <b>5 years</b> including storage time.	
<b>Inspection</b>	Before and after each use, inspect the shell, face shield, suspension, lining and extended arc flash protection system for breakage, cracks, craze pattern, discoloration, chalky appearance, or any other unusual condition. If any of these conditions exist, replace the helmet immediately.	
<b>Cleaning/disinfection</b>	Helmets and face shields must be cleaned regularly for easy inspection and to help the wearer avoid skin irritations. Use soapy water and a soft cloth. Do not use detergent, solvent based products or abrasive materials. Extended arc flash protection system can be hand-washed at 40°C.	

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## Standards & Testing

### Standards (Head Protection)



Certified by CE notified body APAVE (0082) according to:  
 EN397:2012, industrial safety helmets with options; Very low temperature (-30°C), lateral deformation (LD), molten metal (MM), 440V AC (electrical insulation)  
 Also tested at -40°C (GOST)  
 EN50365:2002 electrical class 0 nominal voltage up to 1000 V A.C. and 1500 V D.C.

### Standards (Face Protection)

Certified by CE notified body DINCERTCO (0196) according to:  
 EN166:2001 personal eye equipment 2C-1,2 1 3 B 8-2-0 9 KN)  
 2C-1.2 = UV filtering according to EN170:2002  
 1 = Optical quality  
 3 = Protection against liquid splash  
 B = Resistance to medium energy impact 120 m/s  
 "8" = Electric arc resistance according to EN166:2001  
 "2" = Protection class 2 (7 kA) according to GS-ET-29  
 "0" = Best light transmission class according to GS-ET-29 =, VLT $\geq$ 75%  
 9 = Resistance to molten metals and hot solids  
 K = Resistance to surface damage by fine particles according to EN 168: 2001, clause 15  
 N = Resistance to fogging

### Supervision according to module D of the PPE Regulation

APAVE (0082)

## Additional approvals & testing

### Head Protection



Certified by INERIS to EN ISO 80079-36 : 2016 & CEI/TS 60079-32 : 2017 for safe use in ATEX areas\* (ELECTROSTATIC-INGERIS Certificate n° 29406)

- Dust: zones 20, 21, 22 (all zones)
- Gas: zones 1 & 2 with gas group IIA (Propane)

\* Caution: when working in an ATEX area operatives must be fully equipped with appropriate PPE eg. dissipative shoes (earth resistance less than 1.108Ω), not just suitable industrial helmets

### Extended Arc Flash Protection System Testing

Tested according to GS-ET-29 Class 2 (Supplementary requirements for the testing and certification of face shields for electrical works): Test Report available.

Included in the ELECTROSTATIC-INGERIS Certificate - See details above

## Packaging

Individual (sales unit)	1 helmet in a protective reusable fabrics bag, instructions printed on paper, suspension completely fitted
Box (multiple of sales and minimum order quantity)	12* helmets in a box Box size 710 x 590 x 340 mm
Pallet	120 helmets (10 box of 12 helmets) Pallet size 1200 x 730 x 1980 mm

\*The following P/N : GVF1A-C0AA001-000 can be ordered from 1 unit.



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Helmets with 4 point chinstraps and extended arc flash protection system – Ordering Information

Standard colors*	Color RAL	Standard P/Ns
White	RAL 9003	GVF1A-C0AA00I-000
Yellow	RAL 1018	GVF2A-C0AA00I-000
Red	RAL 3020	GVF3A-C0AA00I-000
Green	RAL 6016	GVF4A-C0AA00I-000
Blue	RAL 5003	GVF5A-C0AA00I-000
Orange	RAL 2008	GVF6A-C0AA00I-000
Hi-vis orange	RAL 2005	GVF9A-C0AA00I-000
Hi-vis yellow	RAL 1026	GVFAA-C0AA00I-000



\*Grey, black shells available from 240, pcs

If you are interested in the retroreflective stickers arriving fitted to the shell, please add the corresponding digit:

GVFx-A-CxAAxGl-xxx, grey  
GVFx-A-CxAAxHl-xxx, red  
GVFx-A-CxAAxVl-xxx, green  
GVFx-A-CxAAxQl-xxx, yellow  
GVFx-A-CxAAxUl-xxx, blue



If you are interested in the retroreflective stickers not fitted to the shell, please add the corresponding digit:

GVFx-A-CxAAxEI-xxx, grey  
GVFx-A-CxAAxFI-xxx, red  
GVFx-A-CxAAxNI-xxx, green  
GVFx-A-CxAAxPI-xxx, yellow  
GVFx-A-CxAAxRI-xxx, blue

If you are interested in the badge/lamp holder please add the corresponding digit:

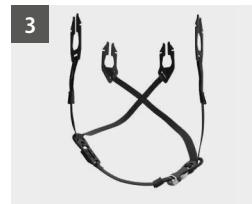
GVFx-A-CxAA5xl-xxx

If you are interested in the 4 point chinstrap with chincup please add the corresponding digit:

GVFx-A-FxAAxsl-xxx

## Spare Parts – Ordering Information

Part. No	Description
GA90041	6-point Fas-Trac® III suspension with ratchet and replaceable, washable, foam sweatband
10153518	Fas-Trac® III foam sweatband (10 pcs) (5)
696688	Terry cotton (Terri-Band) sweatband (10 pcs)
GA90051	Clear light blue tinted Class 2 face shield with connection rails (1)
GA90053	Extended arc flash ear and neck flaps (pair) (2)
GA90047	V-Gard Universal 4-point chinstrap (3)
GA90040	Chincup V-Gard Universal 4-point chinstrap (4)
GA90039	Reusable storage bag
GA90036	5 grey retroreflective stickers (set for one helmet)
GA90037	5 red retroreflective stickers (set for one helmet)
GA90056	5 green retroreflective stickers (set for one helmet)
GA90057	5 yellow retroreflective stickers (set for one helmet)
GA90058	5 blue retroreflective stickers (set for one helmet)



MSA operates in over 40 countries worldwide.

To find an MSA office near you, please visit <https://gb.msasafety.com/contact-us>