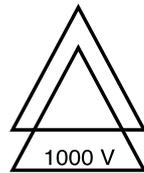


# V-Gard Arc Flash Protective Visors

Face Protection – Technical Datasheet



V-Gard **Electrician's Visors** provide reliable protection from arc flash effects: high temperature, flying debris and powerful radiation. They are certified to the highest European arc flash protection levels by the standards GS-ET-29 [class 2, 7 kA] and EN166 [8]. The impact and splash resistance is certified to EN 166 [B & 3].

## Features & Benefits

**V-Gard Arc Flash Protective Visors** are made from a patented injection moulded blend of dyes and nano particles in a polycarbonate matrix. They absorb the arc energy layer by layer. This blend of dyes makes the visor look light green but offers the highest visual light transmission available in GS-ET-29 [VLT Class 0] providing maximum light transmittance and colour recognition. As mouldings they are optically correct, which ensure the best vision and reduced eye fatigue.

### Two versions are available:

- Compatible with helmet mounted earmuffs
- With extended ear protective shape, covering the ears.

Both feature an antifog coating for a clear view in challenging situations.

To protect the wearer's neck and ensure that the arc flash doesn't go below the visor to damage the face, the **V-Gard retractable chinguard** is certified in combination with these visors. This chin protector features unique retractable plates to allow greater flexibility of head movement, both up and down, as well as side to side. With the wide face coverage in the most compact design the visor/chinguard combination is safe and practical to use especially in confined spaces.

**V-Gard frames and electrician's helmets** V-Gard, V-Gard 500 and V-Gard 520 (EN397 440 VAC, EN50365, 1000 V) have all been part of the GS-ET-29 Open-Box testing.

For other applications please see V-Gard System catalogue including different visors, frames, chin protectors and helmets.



10163457

V-Gard Visor Arc Flash Protective; compatible with Ear Muffs



10163456

V-Gard Visor Arc Flash Protective with extended Ear Protection



10115828

V-Gard retractable chin protector

## Technical Specifications

V-Gard Arc Flash Protective Visors									
Part No	Description	LxW (mm)	Weight (grams)	Ear Muff compatible	Coating	Product Marking	GS-ET-29 Electric arc Certification	EAN Code 3	Masterpack pcs in a box
10163457	V-Gard Visor Arc Flash Protective for chinguard combination; compatible with Ear Muffs	203 x 432 plus*	160	■	Antifog	2C-1.2 MSA 1 B 8-2-0 3 CE 1883; 	class 2, 7kA 423 kJ/m <sup>2</sup> ~ 10,1 cal/cm <sup>2</sup>	641817089675	25
10163456	V-Gard Visor Arc Flash Protective for chinguard combination; extended Ear Protection	203 x 438 plus*	166		Antifog	2C-1.2 MSA 1 B 8-2-0 3 CE 1883; 	class 2, 7kA 423 kJ/m <sup>2</sup> ~ 10,1 cal/cm <sup>2</sup>	641817089668	25
Plus* 10115828	Retractable chin protector	45-75 high	79			EN166 389 BT / EN1731-F (no GS-ET-29 marking required in norm)	Part of class 2, 7 kA testing	641817025802	5

**For a full set please order V-Gard frame and one V-Gard electrician helmet. See leaflet "Head & Face Protection for Electrical Workers"**

<b>Material</b>	Visors: Polycarbonate blend; Retractable chin protector: Lexan 141 polycarbonate, thermoplastic resin
<b>Marking Explanation</b> GS-ET-29: 2011-05	"2"= Highest Protection GS-ET-29 class 2 (7 kA) "0"= Best Light Transmission Class =, VLT>75 %
<b>Marking Explanation</b> <b>EN166:2001</b> (for UV requirements: EN 170 : 2002)	Filter class: "2C" UV filter with enhanced colour recognition Scale number: "1.2" Light Transmission 74.4%-100% (UV EN170) "B" Protection: High speed particles with medium energy impact (120 m/s) "3" Protection: Liquid droplets and splash "8" Electric arc resistance "1883" ID no of Notified Body (required for Cat.III products according to Annex II of the PPE Directive 89/686/EEC)
<b>Packaging</b>	Specified part numbers correspond to one visor/chin guard, individually packed in polybag with instruction and label with barcode EAN code 13. Masterpack label includes GS1-128 code

## Ordering Information

Description	Part. No
V-Gard Visor Arc Flash Protective for chinguard combination; compatible with Ear Muffs	10163457
V-Gard Visor Arc Flash Protective for chinguard combination; extended Ear Protection	10163456
Retractable chin protector	10115828



## Visors Marking Example

POLYCARBONATE Blend	
10163456	 
EN166, EN170	
GS-ET-29 class 2 (7KA)	1000 V
2C-1.2 MSA 1 B 8-2-0 3 CE 1883	
Wear with chinguard 10115828	

Discover online our arc flash testing videos using the QR code

