

# V-Gard<sup>®</sup> Visors for Welding, Cutting & Brazing

Face Protection - Technical Data Sheet



All V-Gard visors easily fit to V-Gard Headgear brow guard and on V-Gard frames for all V-Gard helmets.

V-Gard shaded visors are made of thick polycarbonate to protect against damage from impact, elevated temperatures, weld spatter, UV and infrared radiation. Ideal for autogenous welding, metal pouring, gas soldering and light cutting/brazing, they're engineered for heavy-duty use.

Being moulded makes them optically correct, and helps ensure very good view and reduced eye fatigue. Their chemical and heat resistance is better as they are thicker and not as stressed as flat visors. Moreover they offer protection against chemical and molten metal splashes, EN166 "39" marked. They can be worn in combination with helmet mounted ear muffs. Special visor versions are available for V-Gard retractable or standard chin protectors.

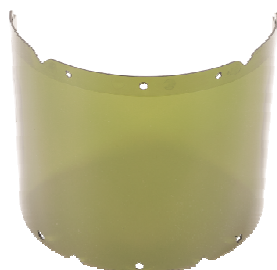
For different visor versions, frames and chin protectors please see the separate datasheets.



P/N	Key Specifications								Masterpack: Selling Unit Qty
	LxW (mm)	Thickness (mm)	Weight (grams)	Tint	UV & IR Filter	Use with Chinguard	EN 166 Approval	EAN Code 13	
10115859	203x432	1.8	200	Shade 3	4-3 / 3	No	4-3 / 3 1BT 39	641817026076	5
10115860*	203x432*	1.8	200	Shade 3	4-3 / 3	Yes*	4-3 / 3 1BT 39	641817026182	5
10115861	203x432	1.8	200	Shade 5	4-5 / 5	No	4-5 / 5 1BT 39	641817026090	5
10115862*	203x432*	1.8	200	Shade 5	4-5 / 5	Yes*	4-5 / 5 1BT 39	641817026168	5
<b>Material</b>	All Visors listed above are made of Polycarbonate								
<b>UV &amp; IR Filter</b>	4-3 EN171 InfraRed filter = IR transmittance max 1,9% (780-1400nm) & 22,9% (780-2000nm); Light transmittance 8,5 – 17,8% 3 EN 169 Welding filter= UV transmittance max 2,8%; IR transmittance max 12% (780-1400nm) 4-5 EN171 InfraRed filter= IR transmittance max 0,71% (780-1400nm) & 10,6% (780-2000nm); Light transmittance 1,2 – 3,2% 5 EN 169 Welding filter= UV transmittance max 0,3%; IR transmittance max 3,2% (780-1400nm)								
<b>EN166:2001 Marking details</b>	1 Optical class 1 for permanent usage B Medium energy impact protection (B = 120 m/s) T Impact resistance at extreme of temperatures (-5/+55°C) 3 Protection against droplets and splashes of liquids 9 Non adherence of molten metals and resistance to penetration of hot solids MSA V-Gard visors are also approved to ANSI Z87-1, CSA Z94-3, AS/NZS 1337								
<b>Packaging</b>	Specified part numbers correspond to one visor, which is individually packed in polybag with instruction and individual label with barcode EAN code 13. MSA sells in Masterpacks (WxLxH = 250x435x45 mm) of 5 visors. Masterpack label includes GS1-128 code								



10115859 - Shade 3 visor



10115860 - Shade 3 visor for chin protector



10115861 - Shade 5 visor



10115862 - Shade 5 visor for chin protector