



The Safety Company

1000 Cranberry Woods Drive,  
Cranberry Township, PA 16066

**MSA Declaration of Conformity**

In Accordance with ANSI/ISEA 125-2014

IAC-03-008 - Z04 Rev 1

**Statement of Conformity:** MSA declares that the

V-Gard® Arc Visors

is in conformity with the requirements of

ANSI/ISEA Z87.1-2010

Product Code	Model / Part Numbers Covered
IAC-03-008	<p style="text-align: center;">10115847, 10118480</p> <p>These arc visors meet the requirements of ASTM F2178-12 (ref. NFPA 70E-2015, PPE Category 2) when worn in combination with the following V-Gard Frames, Helmets, and Chin Protectors: MSA Part Numbers 10121266, 10121267, 10121268, 10116627, 10116628, 10124426, 10115730, 10115821, 10115822, 10116552, 10154604, 10154622, 10115827, 10115828 and V-Gard Cap (Med) (475358), Smoothdome (10074067), Topgard Cap (475385), and V-Gard Hat (475369) as applicable.</p>

ANSI/ISEA 125-2014 conformity assessment method:  Level 1  Level 2

For Level 2, information about ISO 17025-accredited facility in which the product was tested:

The test facility is an independent 3rd Party

The test facility is owned or partially owned by an entity within supplier's corporate structure, or within the manufacturing stream for this product, including subcontractors

<u>Report</u>	<u>Test Facility Used:</u>	<u>Test Facility Document #</u>
<u>1</u>	<u>Intertek</u>	<u>G100617274CRT-009</u>
<u>2</u>	<u>MSA - Internal Lab</u>	<u>Slotted Hat Frame CTQ Scorecard</u>
<u>3</u>	<u>Intertek</u>	<u>G102116388CRT-037</u>

For additional information about this product(s), please contact MSA Customer Service at 1-800-MSA-2222. When requesting information, please reference model number(s).

Quality Assurance: RJ Campbell  
Ron Campbell

2/16/16  
Date: 1/27/2016

# Performance Details

Revision 1

Report	Standard and Product Requirements	Results	Pass / Fail
5.1.1 (9.1)	<p>Optical Quality</p> <p>Lenses shall be free of striae, bubbles, waves, and other visible defects which would impair their optical quality</p>	No defects	Pass
5.1.4 (9.4, 9.5)	<p>Refractive Power, Astigmatism, Resolving Power, Prism and Prism Imbalance for Plano Protectors</p> <p>For faceshield windows,</p> <p>Resolving power = Pattern 20</p> <p>Prism <math>\leq 0.37\Delta</math></p> <p>Vertical Imbalance <math>\leq 0.37\Delta</math></p> <p>Base-In Imbalance <math>\leq 0.125\Delta</math></p> <p>Base-Out Imbalance <math>\leq 0.75\Delta</math></p>	<p>Resolving power = Pattern 20</p> <p>Prism <math>\leq 0.37\Delta</math></p> <p>Vertical Imbalance <math>\leq 0.37\Delta</math></p> <p>Base-In Imbalance <math>\leq 0.125\Delta</math></p> <p>Base-Out Imbalance <math>\leq 0.75\Delta</math></p>	Pass
5.2.3 (9.7)	<p>Ignition</p> <p>Protectors shall not ignite or continue to glow once the heated rod is removed</p>	No ignition or afterglow	Pass
6.1.3 (9.10)	<p>Lateral (Side) Coverage</p> <p>Impact-rated protectors shall provide continuous lateral coverage (i.e. no openings greater than 1.5 mm in diameter) from the edge of the lens to a point not less than 10 mm posterior to the corneal plane and not less than 10 mm above or below the horizontal plane centered on the eyes of the headform</p>	Continuous coverage	Pass
6.2.2 (9.11)	<p>High Mass Impact</p> <p>The complete device shall be capable of resisting an impact from a pointed projectile. A complete device shall fail if any of the following occurs: piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained</p>	No fracture, penetration, etc	Pass
6.2.3 (9.12)	<p>High Velocity Impact</p> <p>The complete device shall be capable of resisting impact from a 6.35 mm diameter steel ball travelling at 91.44 m/s. No contact with the eye of the headform is permitted as a result of the impact. A complete device shall fail if any of the following occurs: piece fully detached from inner surface, fracture, penetration of the rear surface, lens not retained, the unaided eye observes any piece adhering to the contact paste, or observes contact paste on the projectile or device</p>	No fracture, penetration, contact with the eye, etc	Pass

6.2.4 (9.13)	<p>Penetration Test</p> <p>Lenses for all complete devices shall be capable of resisting penetration by a weighted needle. A complete device shall fail if any of the following occurs: piece fully detached from inner surface, fracture, penetration of rear surface, lens not retained.</p>	No penetration	Pass
7.1.2 (9.2)	<p>Transmittance of Clear and Filter Lenses</p> <p>Plano and prescription lenses shall comply with Tables 6-10 of ANSI Z87.1-2010, and the notes that follow in the standard for clear and filter lenses. They shall be marked per Table 4a of the standard. Clear lenses shall have a luminous transmission of not less than 85%.</p>	Meets L1.7 and U6 requirements	Pass
7.1.5 (9.2)	<p>Variations in Luminous Transmittance</p> <p>The ratio of two measured transmittances shall not be less than 0.90 nor more than 1.11.</p>	No fracture, penetration, contact with the eye, etc.	Pass
8.1.2 (9.16.2)	<p>Droplet and Splash (Faceshields)</p> <p>The laser beam shall not make direct contact with any point on the eye-region rectangle without first being intercepted by the faceshield.</p>	Laser beam intercepted by faceshield before contact within the eye-region rectangle.	Pass