



### **EC TYPE-EXAMINATION CERTIFICATE: 2247**

Product description: -

Helmet or Headgear Mounted Visors

Product identification: -

See Schedule

Manufacturer: -

Mine Safety Appliances Company

1000 Cranberry Woods Drive

Cranberry Township

PA 16066 USA

When assessed and examined against harmonised standard EN166:2001 & EN1731:2006 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised Representative: -

MSA Gallet

Zone Industrielle Sud

B.P. 90

F-01 400 Chatillon-sur-Chalaronne

France

Signed:

Date: 9th June 2013

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd. 56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ England (Notified Body No: 0194)

Certification remains valid until 28th August 2017, providing compliance with INSPEC's terms and conditions is maintained.

Original date of issue: 14th October 2011

For terms and conditions of issue, see page 2

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## **CERTIFICATION SCHEDULE**

Sheet Visor - Short and standard

P/N	Colour	Optical Class	Material	Filtering Standard	Scale	Options
10115836	Clear	1	Polycarbonate 1.0mm	EN170	2C-1,2	В
10115837*	Clear	1	Polycarbonate 1.0mm	EN170	2C-1,2	В
10115840	Clear	1	Polycarbonate 1.5mm	EN170	2C-1,2	B 389
10117750	Clear	1	Polycarbonate 1.0mm	EN170	2C-1,2	В
10117781*	Clear	1	Polycarbonate 1.0mm	EN170	2C-1,2	В
10117782	Clear	1	Polycarbonate 1.5mm	EN170	2C-1,2	B 389
10117783*	Clear	1	Polycarbonate 1.5mm	EN170	2C-1,2	B 389

#### Sheet Visor - Medium and standard

P/N	Colour	Optical Class	Material	Filtering Standard	Scale	Options
10115863	Clear	1	Polycarbonate 1.0mm Polycarbonate 1.0mm	EN170	2C-1,2	B
10118094	Clear	1		EN170	2C-1,2	B

Visors are certified for use with the following Carriers:

10121266	Standard frame for slotted caps without debris control EN166 389 BT / EN1731-F
10115730	Standard frame for slotted caps with debris control EN166 389 BT / EN1731-F
10121267	Frame for elevated temperature slotted caps without debris control EN166 389 BT / EN1731-F
10115821	Frame for elevated temperature slotted caps with debris control EN166 389 BT / EN1731-F
10115822	Universal frame for caps EN166 389 BT / EN1731-F
10121268	Universal frame for caps without debris control EN166 389 BT / EN1731-F
10124426	Universal frame for elevated temperature caps without debris control EN166 389 BT / EN1731-F
10116552	Universal frame for elevated temperature caps with debris control EN166 389 BT / EN1731-F

Visors are certified for use with the following brow guards /headgears):

10127061 V-Gard Headgear Standard, HDPE . EN166 389 BT / EN1731-F 10127062 V-Gard Headgear Elevated Temperature, Nylon. EN166 389 BT / EN1731-F

The following visors cannot be used with debris control carriers:

10117750 10117781

10118094

10117782

10117783

Visors are certified for use with the following helmets (Covered by INSPEC certificate 0197)

V-Gard

V-Gard 200

V-Gard 500

V-Gard 520 Thermalgard

\* For use with the following chin guards:

10115827 Standards chin guard EN166 389 BT / EN1731-F 10115828 Retractable chin guard EN166 389 BT / EN1731-F

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# **CERTIFICATION SCHEDULE**

P/N	Colour	Optical Class	Material	Filtering Standard	Scale	Options
10115855	Clear	1	Propionate 2.5mm	-	-	B3
10115856*	Clear	1	Propionate 2.5mm	-	-	B3
10115859	Shade 3	1	Polycarbonate 1.8mm	EN169/171	3.0/4-3	BT39
10115860*	Shade 3	1	Polycarbonate 1.8mm	EN169/171	3.0/4-3	BT39
10115861	Shade 5	1	Polycarbonate 1.8mm	EN169/171	5.0/4-5	BT39
10115862*	Shade 5	1	Polycarbonate 1.8mm	EN169/171	5.0/4-5	BT39
Moulded V	isor – medium-standar	d				
P/N	Colour	Optical	Material	Filtering	Scale	Options
10115011	Classic	Class	21 1 25	Standard		
10115844	Clear	1	Polycarbonate 2.5mm	EN170	2C-1,2	BT 389 KI
10115845	Green	1	Polycarbonate 2.5mm	EN170	2-2	BT 39 KN
Moulded V	isor – medium-extende	ed				
P/N	Colour	Optical	Material	Filtering	Scale	Options
10115046	Cloar	Class 1	Polycarbonata 2 Emm	Standard	2012	DT 200 1
10115846	Clear	1	Polycarbonate 2.5mm Polycarbonate 2.5mm	EN170	2C-1,2	BT 389 K
10115849	Green			EN170	2-2	BT 39 KN
10115851	Clear Cold cont	1	Propionate 2.5mm	-	-	B3
10115848	Clear Gold coat	1	Polycarbonate 1.8mm	EN170	2C-2,5	BT3R
10115850	Green Gold coat	1	Polycarbonate 1.8mm	EN170	2-4	BT3R
Moulded V	isor – long-standard					
P/N	Colour	Optical Class	Material	Filtering Standard	Scale	Options
10115853	Clear	1	Polycarbonate 2.5mm	EN170	2C-1,2	BT 389 K
10115854	Green	1	Polycarbonate 2.5mm	EN170	2-2	BT 39 KN
Visors are c	ertified for use with th	e following Carrie	ers:			
10121266	Standard frame for	slotted caps with	out debris control EN166 389 BT	/ EN1731-F		
10115730			debris control EN166 389 BT / E			
10121267			ed caps without debris control El		731-F	
10115821	Frame for elevated t	emperature slott	ed caps with debris control EN1	66 389 BT / EN173	1-F	
10115822	Universal frame for	caps EN166 389	BT / EN1731-F		***	
	Universal frame for	caps without deb	ris control EN166 389 BT / EN17	31-F		
10121268	Universal frame for	elevated tempera	ature caps without debris control	EN166 389 BT / EN	11731-F	
				166 200 27 / 51	31-F	
10121268	Universal frame for	elevated tempera	ature caps with debris control EN	166 389 BT / EN17	J	
10121268 10124426 10116552	Universal frame for ertified for use with th	elevated tempera	ature caps with debris control EN	166 389 BT / EN1/:		
10121268 10124426 10116552 Visors are c	Universal frame for vertified for use with the V-Gard Headgear Stan	elevated tempera e following brow dard, HDPE . EN	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F			
10121268 10124426 10116552 Visors are c	Universal frame for vertified for use with the V-Gard Headgear Stan	elevated tempera e following brow dard, HDPE . EN	ature caps with debris control EN guards/headgears:			
10121268 10124426 10116552 Visors are C 10127061 10127062	Universal frame for vertified for use with th V-Gard Headgear Stand V-Gard Headgear Eleva	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c	Universal frame for vertified for use with th V-Gard Headgear Stand V-Gard Headgear Eleva	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard	Universal frame for vertified for use with the V-Gard Headgear Stand V-Gard Headgear Elevant vertified for use with the vertified for use vertified for use vertifin	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard V-Gard 200	Universal frame for sertified for use with the V-Gard Headgear Standy-Gard Headgear Elevaterified for use with the sertified for	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard V-Gard 200 V-Gard 500	Universal frame for sertified for use with the V-Gard Headgear Stand V-Gard Headgear Elevaterified for use with the sertified for	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard V-Gard 200	Universal frame for sertified for use with the V-Gard Headgear Stand V-Gard Headgear Elevaterified for use with the sertified for	elevated tempera e following brow dard, HDPE . EN: sted Temperature	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard V-Gard 200 V-Gard 500 V-Gard 520 Thermalgare	Universal frame for vertified for use with the V-Gard Headgear Stand V-Gard Headgear Elevant vertified for use with the d	elevated tempera e following brow dard, HDPE . EN: ated Temperature e following helme	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173	1-F		
10121268 10124426 10116552 Visors are c 10127061 Visors are c V-Gard V-Gard 200 V-Gard 500 V-Gard 520 Thermalgare	Universal frame for sertified for use with the V-Gard Headgear Stand V-Gard Headgear Elevaterified for use with the sertified for	elevated tempera e following brow dard, HDPE . EN: ated Temperature e following helme	ature caps with debris control EN guards/headgears : 166 389 BT / EN1731-F e, Nylon. EN166 389 BT / EN173 ets (Covered by INSPEC certificate	1-F		

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## **CERTIFICATION SCHEDULE**

### Mesh Visor

P/N	Material	Options
10116556	Epoxy steel mesh with aluminium trim	F
10116557	Epoxy coated steel mesh with plastic moulded trim	F
10116558*	Epoxy coated steel mesh with plastic moulded trim	F

Visors are certified for use with the following Carriers:

10121266	Standard frame for slotted caps without debris control EN166 389 BT / EN1731-F
10115730	Standard frame for slotted caps with debris control EN166 389 BT / EN1731-F
10121267	Frame for elevated temperature slotted caps without debris control EN166 389 BT / EN1731-F
10115821	Frame for elevated temperature slotted caps with debris control EN166 389 BT / EN1731-F
10115822	Universal frame for caps EN166 389 BT / EN1731-F
10121268	Universal frame for caps without debris control EN166 389 BT / EN1731-F
10124426	Universal frame for elevated temperature caps without debris control EN166 389 BT / EN1731-F
10116552	Universal frame for elevated temperature caps with debris control EN166 389 BT / EN1731-F

Visors are certified for use with the following brow guards/headgears: 10127061 V-Gard Headgear Standard, HDPE . EN166 389 BT / EN1731-F 10127062 V-Gard Headgear Elevated Temperature, Nylon. EN166 389 BT / EN1731-F

Visors are certified for use with the following helmets (Covered by INSPEC certificate 0197)

V-Gard V-Gard 200 V-Gard 500 V-Gard 520 Thermalgard

\* For use with the following chin guards:

10115827 Standards chin guard EN166 389 BT / EN1731-F 10115828 Retractable chin guard EN166 389 BT / EN1731-F

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