

EC Type Examination Certificate

This is to certify that:

Weldone
Maropa Europe BV
Broeikweg 11
SCHOONHOVEN
2871 RN
The Netherlands

Holds Certificate Number:

CE 677037

In respect of:

Personal Eye-Protection to EN 166:2001

Various models, see continuation sheet for details.

On the basis of our examination, under the requirements of Council Directive 89/686/EEC "Personal Protective Equipment" Article 10, EC Type-Examination

For and on behalf of BSI, a Notified
Body for the above Directive
(Notified Body Number 0086):



Gary Fenton, Global Product Certification Director

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EC Type Examination Certificate

No. CE 677037

Product Specification - Safety Spectacles

Model: **ET-30**
Product description: Safety spectacle
Technical specification: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures
Technical Specification: EN 175:1997 (when fitted with EN 169 scale 3 or 5 filter lenses)
EN 175 categorisation: Protection against high speed particles

Model: **ET-46**
Product description: Safety spectacle
Technical specification: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use:
FT Low impact energy at extreme temperatures
N Resistance to fogging
Technical Specification: EN 175:1997 (when fitted with EN 169 scale 3 or 5 filter lenses)
EN 175 categorisation: Protection against high speed particles

Model: **ET-83R-2**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

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Product Specification - Safety Spectacles (continued)

Model: **ET-92**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

Model: **ET-93**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

Model: **J-38**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

Model: **J-40-2**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

Model: **J-67**
Product description: Safety spectacle
Technical specifications: EN 166:2001
EN 166 categorisation: Optical Class: 1
Field of use: FT Low impact energy at extreme temperatures

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Product Specification – safety spectacles (continued)

Protection against optical radiation

Each of the above spectacles can also be supplied in one the following scales:

Standard	Scale
EN 169:1992 (Welding filters)	1,7 3 5
EN 170:1992 Ultraviolet filter (Colour recognition may be affected)	2-1,2 (Clear lens) 2-1,2 (Yellow lens) 2-1,4 (Green lens) 2-1,4 (Blue lens)
EN 170 :1992 Ultraviolet filter (Good colour recognition)	3-1,2 (Clear lens) 3-1,7 (Green lens)
EN 171:1992 Filter shade (Infrared filter)	4-1,7 4-5
EN 172:1994 filter shade (Sunglare filter without infrared specification)	5-2 (Smoked lens) 5-2,5 (Smoked lens) 5-3,1 (Smoked lens) 5-3,1 (Blue mirror lens) 5-4,1 (Red lens) 5-1,7 (indoor-outdoor lens)
EN 169:2002 (Welding filters)	3 5 5C (with enhanced colour recognition option)
EN 170:2002 Ultraviolet filter	2-1,2 (Clear lens) 2C-1,2 (Clear lens) (with enhanced colour recognition option) 2-1,2 (Yellow lens) 2C-1,2 (Yellow lens) (with enhanced colour recognition option) 2-1,4 (Green lens) 2-1,7 (Blue lens) 2C-1,7 (Blue lens) (with enhanced colour recognition option) 2-1,7 (Green) 2C-1,7 (Green) (with enhanced colour recognition option) 2-1,4 (Orange lens)
EN 171:2002 Filter shade (Infrared filter)	4-5 4C-5 (with enhanced colour recognition option)

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Product Specification - Goggles

Model: G-05

Product description:

Lens variants: **G-05** (clear); **G-05 IR3** (shade 3); **G-05 IR5** (shade 5)

Goggle with polycarbonate lens, polyvinyl chloride (PVC) frame/side shields and 60% textured polyester and 40% rubber elastic strap. Frame is unvented

Technical specification:

EN 166:2001 Personal Eye Protection

EN 169:2002 Filters for welding and related techniques.

EN 166 categorisation:

Optical Class: 1

Field of use:

- 3 Liquids
- 4 Large dust particles
- 5 Fine dust particles and gases
- 9 Molten metals and hot solids
- N Resistance to fogging
- BT Medium impact energy at extreme temperatures

Protection against optical radiation

EN 169 Filters for welding

- 3 Lens IR3
- 5 Lens IR5

Model: G-08

Product description:

Goggle with polycarbonate lens, polypropylene (PP) frame/side shields and 60% textured polyester and 40% rubber elastic strap and ventilation.

Technical specification:

EN 166:2001

EN 166 categorisation:

Optical Class: 1

Field of use:

- 3 Liquids
- 4 Large dust particles
- 9 Molten metals and hot solids
- BT Medium impact energy at extreme temperatures

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Product Specification – Faceshields

Model:	I-1/C
Product description:	Spherical Visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1 Field of use: 9 Molten metals and hot solids BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)
	EN 172 Sunglare filters
	5-3,1



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Model:

I-1/3

Product description:

Spherical Visor

Technical specification:

EN 166:2001

EN 166 categorisation:

Optical Class: 1

Field of use:

9 Molten metals and hot solids

BT Medium impact energy at extreme temperatures

Filtered shades

EN 169 Welding filters

3 (Green lens)

5 (Green lens)

EN 170 Ultraviolet filters

2-1,2 (Clear lens)

3-1,2 (Clear lens)

2-1,7 or 2C-1,7 (Green lens)

EN 171 Infrared filters

4-3 (Green lens)

4-5 (Green lens)

EN 172 Sunglare filters

5-3,1



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Model:

I-1/5

Product description:

Spherical Visor

Technical specification:

EN 166:2001

EN 166 categorisation:

Optical Class: 1

Field of use:

9 Molten metals and hot solids

BT Medium impact energy at extreme temperatures

Filtered shades

EN 169 Welding filters

3 (Green lens)

5 (Green lens)

EN 170 Ultraviolet filters

2-1,2 (Clear lens)

3-1,2 (Clear lens)

2-1,7 or 2C-1,7 (Green lens)

EN 171 Infrared filters

4-3 (Green lens)

4-5 (Green lens)

EN 172 Sunglare filters

5-3,1



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Product Specification – Faceshields (continued)

Model:	I-3/C
Product description:	Cylinder Visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1
	Field of use:
	9 Molten metals and hot solids
	BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)



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Product Specification – Faceshields (continued)

Model:	I-3/3
Product description:	Cylinder Visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1
	Field of use:
	9 Molten metals and hot solids
	BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)



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Product Specification – Faceshields (continued)

Model:	I-3/5
Product description:	Cylinder Visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1
	Field of use:
	9 Molten metals and hot solids
	BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)



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Product Specification – Faceshields (continued)

Model:

BG-1

Product description:

Browguard with Spherical Visor

Technical specification:

EN 166:2001

EN 166 categorisation:

Optical Class: 1

Field of use:

9 Molten metals and hot solids

BT Medium impact energy at extreme temperatures

Filtered shades

EN 169 Welding filters

3 (Green lens)

5 (Green lens)

EN 170 Ultraviolet filters

2-1,2 (Clear lens)

3-1,2 (Clear lens)

2-1,7 or 2C-1,7 (Green lens)

EN 171 Infrared filters

4-3 (Green lens)

4-5 (Green lens)

EN 172 Sunglare filters

5-3,1



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Product Specification – Faceshields (continued)

Model:

BG-3

Product description:

Browguard with Spherical Visor

Technical specification:

EN 166:2001

EN 166 categorisation:

Optical Class: 1

Field of use:

9 Molten metals and hot solids

BT Medium impact energy at extreme temperatures

Filtered shades

EN 169 Welding filters

3 (Green lens)

5 (Green lens)

EN 170 Ultraviolet filters

2-1,2 (Clear lens)

3-1,2 (Clear lens)

2-1,7 or 2C-1,7 (Green lens)

EN 171 Infrared filters

4-3 (Green lens)

4-5 (Green lens)

EN 172 Sunglare filters

5-3,1



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Product Specification – Faceshields (continued)

Model:	BG-1 with cylinder visor
Product description:	Browguard with cylinder visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1 Field of use: 9 Molten metals and hot solids BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)



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Product Specification – Faceshields (continued)

Model:	BG-3 with cylinder visor
Product description:	Browguard with cylinder visor
Technical specification:	EN 166:2001
EN 166 categorisation:	Optical Class: 1 Field of use: 9 Molten metals and hot solids BT Medium impact energy at extreme temperatures
	Filtered shades
	EN 169 Welding filters
	3 (Green lens)
	5 (Green lens)
	EN 170 Ultraviolet filters
	2-1,2 (Clear lens)
	3-1,2 (Clear lens)
	2-1,7 or 2C-1,7 (Green lens)
	EN 171 Infrared filters
	4-3 (Green lens)
	4-5 (Green lens)



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Certificate Administration Details

Products initially approved under BSI certificates: CE68016, CE71329, CE78798.

Issue Date	Comments	BSI Internal Project Number
July 2017	First issue.	0086:17:8765427

Note: The certificate holder is responsible for keeping the Notified Body advised of changes to any aspect of the overall process used in the manufacture of the product.



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