

# 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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# EC Type Examination Certificate

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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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# EC Type Examination Certificate

No. CE 677037

## 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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# EC Type Examination Certificate

No. CE 677037

## 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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# EC Type Examination Certificate

No. CE 677037

**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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# EC Type Examination Certificate

No. CE 677037

**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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# EC Type Examination Certificate

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## Product Specification – Faceshields (continued)

<b>Model:</b>	<b>I-3/C</b>
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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# EC Type Examination Certificate

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## Product Specification – Faceshields (continued)

<b>Model:</b>	<b>I-3/3</b>
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)

<b>Model:</b>	<b>I-3/5</b>
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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# EC Type Examination Certificate

No. CE 677037

## 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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# EC Type Examination Certificate

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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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# EC Type Examination Certificate

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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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# EC Type Examination Certificate

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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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