

| Fields of application |                               |   |
|-----------------------|-------------------------------|---|
| 3                     | Liquids                       | Liquids (drops or sprays)   |
| 4                     | Large dust particles          | Dust with a particle size > 5 µm                                  |
| 5                     | Gas particles and fine powder | Gases, vapours, sprays, smoke and dust with a particle size <5 µm |
| 8                     | Short circuit electric arc    | Short circuit electric arc in electrical devices                  |
| 9                     | Molten metal and hot solids   | Splashes of molten metal and the penetration of hot solids        |

| Filters for welding protection  |                              |           |           |
|---|------------------------------|-----------|-----------|
| Select the filter rating number as shown in the table below. The maximum deviation of the scale number is +/-1. |                              |           |           |
| Scale   | Field of application         | Gas       | l/h       |
| 1,7   | Assistant welder             | -         | -         |
| 3   | Assistant welder             | -         | -         |
| 4   | Braze welding                | Acetylene | <70       |
|   | Oxy-fuel welding and cutting | Oxygen    | <900      |
| 5   | Braze welding                | Acetylene | 70:200    |
|   | Oxy-fuel welding and cutting | Oxygen    | 900:2000  |
| 6   | Braze welding                | Acetylene | 200:800   |
|   | Oxy-fuel welding and cutting | Oxygen    | 2000:4000 |
| 7   | Braze welding                | Acetylene | >800      |
|   | Oxy-fuel welding and cutting | Oxygen    | 4000:8000 |

**NOTE:** For arc welding scale numbers from 8 to 14 are used depending on the type of electrode and current used. Ref. Tab.3 EN 169:2001.

## Warning

Eye protection that is worn over standard ophthalmic spectacles may transmit impact from high speed particles thus creating a hazard to the wearer. Although every effort is made to ensure that materials that may come into contact with the skin of the wearer do not cause an allergic reaction, this may not happen for a minority of susceptible individuals, and if you are in this situation, you must stop wearing the eyewear immediately and seek professional advice.

### Name of the manufacturer :

Scandia Gear Europe B.V.  
Lorentzweg 31,  
3208 LJ Spijkensse,  
The Netherlands.

### Certification body :

Certottica S.C.R.L. – Zona Industriale Villanova,  
32013, Longarone (BL), Italy

**Notified Body Number :** 0530

### Disclaimer

Scandia Gear is not liable for damages that result from the improper use of these products.



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# SAFETY EYEWEAR



## User's Instruction

www.scandiagear.com

ROTTERDAM SINGAPORE HOUSTON DUBAI

Since 1974  
MARITIME OUTFITTERS

Scandia

# SAFETY EYEWEAR

Thank you for choosing our safety eyewear

You have chosen a Scandia Gear Personal Protective Equipment. Please read these instructions prior to use and prior to any maintenance.

This multi-certified product belongs to Category II and is approved in accordance with the EU Regulation 2016/425 and the requirements of the European harmonized standard EN166:2001. This product has been subjected to an EU-type Examination performed by:

Certottica S.C.R.L. N.B. 0530  
Zona Industriale Villanova,  
32013, Longarone (BL), Italy

The PPE is designed so that, in foreseeable conditions of use, it can provide adequate protection to the user. The rating of the PPE is indicated by markings and related indexes on the frame and lenses. The rating is obtained from tests in which the prototypes were submitted.

The EU Declaration of Conformity (DOC) can be obtained through following link:  
[www.scandiegear.com](http://www.scandiegear.com)

## Note

Please ensure that the eyewear always fits well.

## Model

The name of the model is always indicated on the barcode of the packaging.

## Storage

Store in a dry place at room temperature and protect from sunlight. The eyewear must be transported and stored in the original package, at a temperature between 5°C and 30°C (41°F and 86°F) and a relative humidity of <80%.

## Maintenance

The lenses must be cleaned regularly. This must be done using a mild detergent, at room temperature (20 ± 5°C). The anti-fog coated lenses should be

cleaned using a soft cloth under normal circumstances. The eyewear should provide adequate protection for a period exceeding 6 months and up to 2 years. Regularly check the status. Scratched lenses must be replaced or disposed of. The markings found on the lens and on the frame represent the ratings of the product and the appropriate field of application. Scandia Gear shall not be liable for damages arising from misuse and improper maintenance and preservation of the PPE itself.

## Fitting of Spare Parts and Accessories

(if applicable): Use original spare parts only. To replace the lenses, first check the compatibility of the markings and mount the lenses in the correct position.

## Lens markings

Scale number (only filters) – Identification of Manufacturer – Optical class – symbol of mechanical resistance – Field (s) of application (if applicable) – CE Marking.

## Frame markings

Identification of the manufacturer – Applied standards – Field (s) of application (if applicable) – Mechanical resistance – CE Marking.

| Scale number (filters only)   |             |                      |
|---|-------------|----------------------|
| Type of filter  | Code number | Filter rating number |
| Filters for welding   | None        | 1,2 : 16             |
| Ultraviolet (UV) filters  | 2           | 1,5 : 5              |
| Ultraviolet (UV) light filters with good color recognition                        | 2C          | 1,2 : 5              |
| Infra-red (IR) filters  | 4           | 1,2 : 10             |
| Sun filter (the solar protection offered by the lens has no infra-red element)    | 5           | 1,1 : 4,1            |
| Sun filter may (the solar protection offered by the lens has an infrared element) | 6           | 1,1 : 4,1            |

**NOTE :** The filter code number is always followed by the filter rating number (both numbers are separated by a space), and together form the scale number.

| Manufacturer's Identification | Scandia | Identification Of Scandia Gear Europe B.V. |
|-------------------------------|---------|--|
|-------------------------------|---------|--|

| Optical Class |   |
|---------------|---|
| Code          | Designation   |
| 1             | On-going work                                       |
| 2             | Intermittent work                                   |
| 3             | Occasional work<br>(not intended for prolonged use) |

| Mechanical resistance |                                    |
|-----------------------|------------------------------------|
| Code                  | Mechanical Strength Requirements   |
| None                  | Minimum resistance specification   |
| S                     | Increased resistance specification |
| F                     | Low energy impact                  |
| B                     | Medium energy impact               |
| A                     | High energy impact                 |

If the symbol F, B or A is not found on both the lenses and the frame, then the lower value is assigned to the complete set of safety glasses. If protection is required against high speed particles at extreme temperatures, then the safety glasses should be marked with the letter T immediately following the letter indicating the impact resistance, i.e. FT, BT, AT. If the letter indicating the impact resistance is not followed by the letter T, then the safety glasses should be used only against high speed particles at room temperature.

| Performance of the lens |  |
|-------------------------|--|
| Code                    | Designation  |
| K                       | Abrasion resistance (to surface damage caused by fine particles) |
| N                       | Resistance to fogging  |
| R                       | Resistance increased   |

| Fields of application |             |  |
|-----------------------|-------------|--|
| Code                  | Designation | Description of the field of application  |
| None                  | Basic       | Unspecified mechanical hazards and dangers from ultraviolet, visible, infrared and solar radiation |