Welding filters			
Scale	Field of use	Gas	l/h
1,7	Welders assistants	-	-
3	Assistant welder	-	-
4	Braze welding	Acetylene	<70
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

ScanGazer markings		
	Lens	**Frame**
Manufacturer ID	SG	SG
Optical Class	1	
Low energy impact	F	F
Certified Mark	CE	CE
EN Standard		166
Postal code & City / Country		3208 LJ Spijkenisse, The Netherlands

Warning

- Eye protection that is worn over standard ophthalmic spectacles may transmit impact from high-speed particles thus creating a hazard for 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. If you are in this situation, you must stop wearing the eyewear immediately and seek professional advice.
- These spectacles are intended for use as worksite eye protection. They should not be used as protective equipment in sports or in hazardous recreational activities.
- Do not use these spectacles for protection when driving, especially at nighttime. These spectacles do not provide protection against laser lights and direct sunlight.
- These spectacles should not be used as PPE for welding, food preparation, or heavy industrial work.
- Caution should be exercised in the use of metal frame protective devices in electrical hazard areas. Metal frame protective devices could potentially cause electrical shock and electrical burn through contact with, or thermal burns from exposure to the hazards of electrical energy, which include radiation from accidental arcs.

Manufacturer

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

Disclaimer

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

SCANDIA GEAR EUROPE B.V.
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SCANGAZER
OTG Safety Glasses

CE

User's Instruction

www.scandiagear.com

ROTTERDAM SINGAPORE HOUSTON DUBAI

MARITIME OUTFITTERS
since 1974

Scandia®

SCAN**GAZER**

OTG SAFETY GLASSES

You have chosen Scandia Gear personal protective equipment (PPE). Please read these instructions prior to use and prior to any maintenance.

European EN 166:2001 standard

EN 166:2001 : European standard for personal eye protection

These CE-certified safety spectacles belong to Category II and are approved in accordance with Regulation (EU) 2016/425 and the requirements of the European harmonized standard EN166:2001. This product has been subjected to a EU-type examination performed by:

Alienor Certification N.B.2754
Z.A. du Sanital, 21 Rue Albert Einstein
86100 Chatellerault, France

This PPE is designed to provide the user with adequate protection. The rating of the PPE is indicated by markings and related indexes on the frames and lenses. This rating is obtained from tests in which the prototypes were submitted.

The EU Declaration of Conformity (DOC) for this product can be obtained through following link: www.scandiagear.com

Application and limitations

Please ensure that this eyewear always fits well. The main purpose of this safety eyewear is to provide the wearer with limited impact resistance. The eyewear may not be suitable for certain environments, such as those with low light surroundings or liquid splash hazards. These spectacles are intended for the following:

A) use in factories, on construction sites, in mining operations, and on other worksites where basic eye protection (i.e., particle impact speed under 45 m/s) is required.
B) preventing impact hazards associated with chipping, grinding, machining, masonry work, riveting, and sanding.

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 direct sunlight. The eyewear must be transported and stored in the original package, at a temperature between 5°C and 40°C (41°F and 104°F) and a relative humidity of <90%.

Maintenance

The lenses must be cleaned or disinfected regularly. This must be done using a mild detergent, optical cleaning solution, or a solution very low in alcohol at room temperature (20°C/68°F ± 5°C/ 41°F). The eyewear should provide adequate protection for a period exceeding six (6) months and up to two (2) years. Regularly check the status. Scratched or damaged lenses must be replaced or disposed of immediately. The markings found on the lens and on the frames represent the ratings of the product. Scandia Gear is not be liable for damages arising from misuse, and improper maintenance and preservation of this PPE.

Lens markings

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

Markings on frames

Identification of the manufacturer – Number of EN standards – Field(s) of use (if applicable) – Mechanical resistance – CE marking.

Scale number (filters only)		
Type of filter	**Code number**	**Filter rating number**
EN 169 Welding filters	No code number	1 to 16
EN 170 Ultraviolet (UV) filters	2	1,2 to 5
EN 170 Ultraviolet (UV) filters with good color recognition	2C	1,2 to 5
EN 171 Infra-red (IR) filters	4	1,2 to 10
EN 172 Solar protection filters without infra-red specification	5	1,1 to 4,1
EN 172 Solar protection filters with infra-red specification	6	1,1 to 4,1

Optical Class	
Code	**Designation**
1	Optical Class
2	Intermittent work
3	Occasional work (not intended for prolonged use)

Mechanical resistance	
Code	**Mechanical Strength Requirements**
No symbol	Minimum robustness
S	Increased robustnesss (5.1 m/s)
F	Low energy impact (45 m/s)
B	Medium energy impact (120 m/s)
A	High energy impact (190 m/s)

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. The letter T immediately after the impact letter allows a use for high speed particles at extremes of temperature. In the absence of the letter T the protector must be used in room temperature.

Marking on lens	
Code	**Designation**
K	Resistance to surface damage caused by fine particles
N	Resistance to fogging

Fields of use		
Code	Designation	Description of the field of application
No symbol	Basic	Unspecified mechanical hazards and dangers from ultraviolet, visible, infra-red and solar radiation
3	Liquids	Liquids (droplets and splashes)
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