



EYE PROTECTION
KEEP TRACK OF EACH SITUATION.

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ISO CERTIFICATION

DIN EN ISO 9001:2015
DIN EN ISO 14001:2015

RETURNS

Only after prior advice. No acceptance of unfree and / or not being advised returns.

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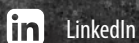
 www.nitras-safety.com

Mr Dean Lee Office Management

PAYMENT TERMS

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IMPACTS
OPTICAL RADIATION

UV RADIATION
RISKS
PARTICLES

SOLAR RADIATION

THE EYES

OUR MOST VALUABLE SENSE

NITRAS - EYE PROTECTION

Our eyes are our most valuable sense: a fraction of a second is enough to absorb countless information and pass them on to our brain. This allows us to experience the world, recognise colours, stereoscopic vision and estimate distances and speeds.

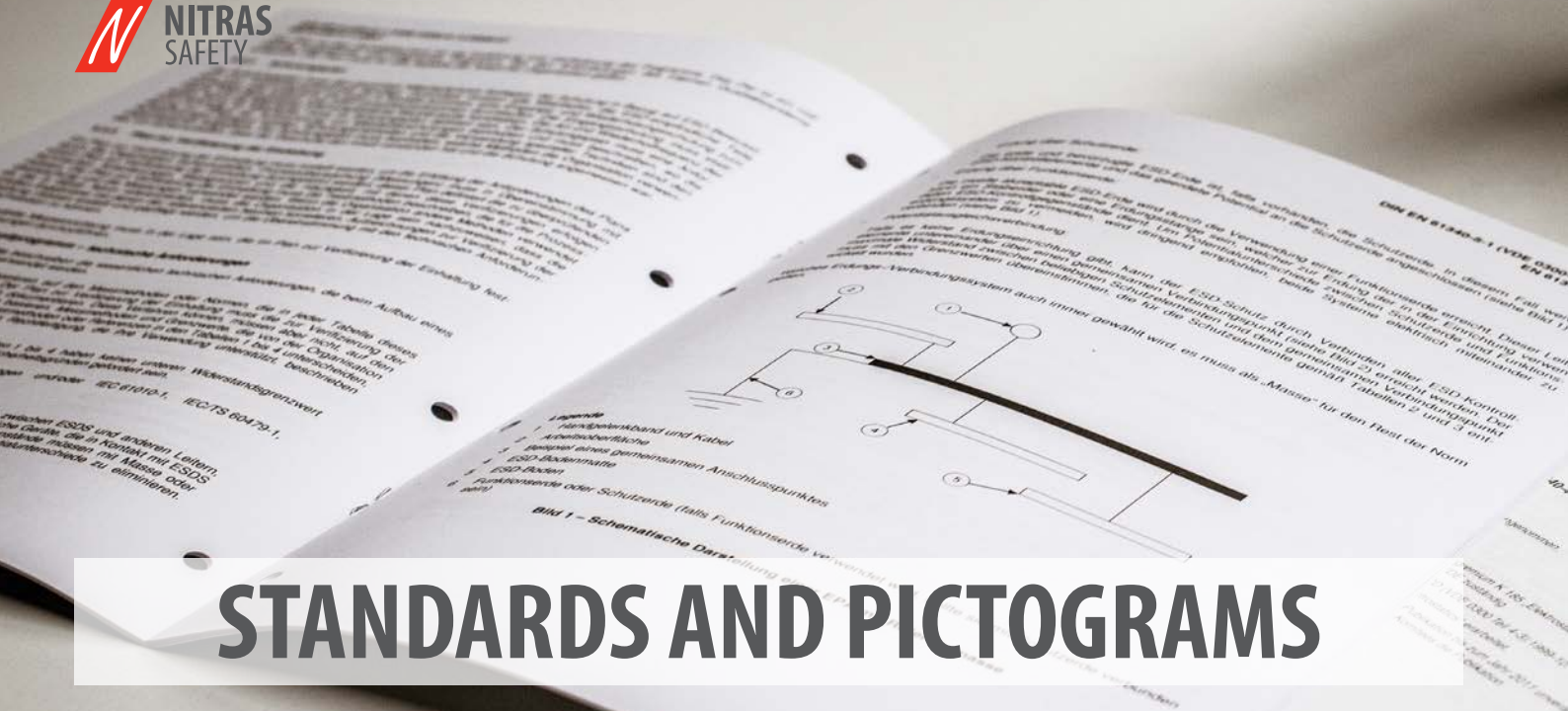
The proper protection of the eyes is therefore very important. Our eye protection reliably protects your eyes against mechanical risks (e.g. small particles) and against optical radiation (UV and solar radiation).

We offer you a selected range of eye protection and practical accessories, with needs-based protective functions as well as the desired comfort. With VISION PROTECT you keep track of each situation!



YOUR DIRECT LINK TO ONLINE OFFER





STANDARDS AND PICTOGRAMS

All performance levels, pictograms and information specified in this catalogue comply with the state as of September 2023. These are subject to change during the validity of this catalogue. Please contact us for any queries or current information. All information is subject to change.



Resistance to fogging

Specifies that the lenses are resistant to fogging (marking: N).

EN 166

Personal eye protection

Functional requirements for different types of personal eye protection devices.

Marking of the oculars (example)

| | | | | | |
|---|--------|----|---|---|---|
| | 2C-1,2 | AS | 1 | F | N |
| Scale number (only for filters) | | | | | |
| Identification mark of the manufacturer | | | | | |
| Optical class | | | | | |
| Abbreviation for mechanical strength | | | | | |
| Abbreviation for the resistance to fogging of oculars | | | | | |

| Scale number (only for filters) | Code number | Scale number |
|---|-------------|--------------|
| Welding filter | Without | 1,2 - 16 |
| Ultraviolet filter (the recognition of colours may be affected) | 2 | |
| Ultraviolet filter (good colour recognition) | 2C | 1,2 - 5 |
| Ultraviolet filter (good colour recognition) | 3 | |
| Infrared filter | 4 | 1,2 - 10 |
| Sunglare filter (without infrared requirement) | 5 | 1,1 - 4,1 |
| Sunglare filter (with infrared requirement) | 6 | 1,1 - 4,1 |
| Scale number: the higher, the lower the permeability (transmittance). | | |

Optical class

The lower, the better.

1-3

| Abbreviation for mechanical strength | Mechanical strength requirements |
|--------------------------------------|--|
| Without | Minimum robustness |
| S | Increased robustness |
| F | Protection against high speed particles (low energy impact) |
| B | Protection against high speed particles (medium energy impact) |
| A | Protection against high speed particles (high energy impact) |

Marking of the frames (example)

| | | | |
|---|----|--------|---|
| | AS | EN 166 | F |
| Identification mark of the manufacturer | | | |
| Number of this standard | | | |
| Abbreviation for increased mechanical strength / protection against high speed particles / extreme temperatures | | | |

EN 170

Ultraviolet filter

Scale numbers and transmission requirements for protective filter against ultraviolet radiation.

| Scale number | Colour recognition | Typical usage |
|--------------|---|---|
| 2-1,2 | May be affected if not marked with scale number 2C. | For use with radiation sources that predominantly emit ultraviolet radiation with wavelengths shorter than 313 nm and where glare is not an essential factor. This covers the entire UV-C and most of the UV-B range. |
| 2-1,4 | | |
| 2-1,7 | | |
| 2-2 | May be affected if not marked with scale number 2C. | For use with radiation sources that emit intensive radiation in the UV range and visible spectral range and where a weakening of the visible radiation is therefore required. |
| 2-2,5 | | |
| 2-3 | | |
| 2-4 | | |
| 2-5 | | |

EN 172

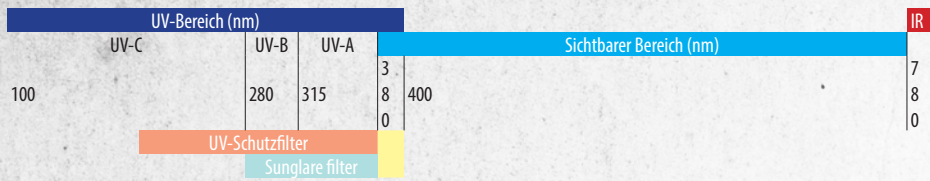
Sunglare filters for industrial use

Scale numbers, transmission levels and corresponding requirements for sunglare filters for industrial use.

| Scale number | Usage | Designation |
|--------------|--|--------------|
| 5-1,1 | This scale number applies only to certain phototropic sunglare filters in a bright state and for the range of high luminous transmission of graduated filters. | |
| 6-1,1 | | |
| 5-1,4 | As a very bright filter. | Very bright |
| 6-1,4 | | |
| 5-1,7 | As a bright filter. | Bright |
| 6-1,7 | | |
| 5-2 | As a recommended universal filter, usually easy to use. | Medium |
| 6-2 | | |
| 5-2,5 | Mostly used in Central Europe. | Dark |
| 6-2,5 | | |
| 5-3,1 | In the tropics and subtropics, for sky observations, in high mountains, snow areas, bright water areas, sandy areas, lime quarry and chalk quarry. | Very dark |
| 6-3,1 | | |
| 5-4,1 | Only at extreme irradiances. | Extreme dark |
| 6-4,1 | | |



UV 400 protection



UV filter: 210 - 365 nm
 Sunglare filter: 280 - 380 nm
 UV 400 protection: up to 400 nm

Premium quality



The quality of our products is our first priority and our whole product range is meeting our high standards. Products which have further premium features (e.g. due material selection, fitting, characteristics, finishing) are marked with this pictogram.

UV 400 protection



UV 400 protection is important because it protects the eyes from harmful ultraviolet (UV) radiation. It means that the safety glasses block all rays with a wavelength of up to 400 nanometres.

SUSTAINABILITY TRAFFIC LIGHT



Packaging

Packaging used consists entirely or partially of recycled materials.



Social aspects

The production is amfori BSCI-audited (or according to a comparable standard) and thus contributes to the improvement of social standards or working conditions in the country of production.

| CATEGORY | ARTICLE | TRAFFIC LIGHT | | | | | | | | | | | | | PAGE |
|--------------------|---------|---------------|-------|-------|----------|----------|----------------|---------------|---------|--------|--------|--------|--------|----|------|
| | | TRANSPARENT | BEIGE | BLACK | MIRRORED | ANTI-FOG | GLASSES WEARER | LONG-TERM USE | PREMIUM | UV 400 | EN 166 | EN 170 | EN 172 | | |
| Ultraviolet filter | 9000 | ✓ | - | - | - | - | - | ✓ | - | - | ✓ | ✓ | - | 7 | |
| Ultraviolet filter | 9010 | ✓ | - | - | - | - | - | ✓ | - | ✓ | ✓ | ✓ | - | 8 | |
| Ultraviolet filter | 9015 | ✓ | - | - | - | - | ✓ | ✓ | - | - | ✓ | ✓ | - | 8 | |
| Ultraviolet filter | 9020 | ✓ | - | - | - | ✓ | - | ✓ | ✓ | - | ✓ | ✓ | - | 8 | |
| Sunglare filter | 9001 | - | - | ✓ | - | - | - | ✓ | - | - | ✓ | - | ✓ | 9 | |
| Sunglare filter | 9011 | - | - | ✓ | - | - | - | ✓ | - | ✓ | ✓ | - | ✓ | 10 | |
| Sunglare filter | 9012 | - | ✓ | - | ✓ | - | - | ✓ | - | ✓ | ✓ | - | ✓ | 10 | |
| Sunglare filter | 9013 | - | - | ✓ | ✓ | - | - | ✓ | - | ✓ | ✓ | - | ✓ | 10 | |
| Sunglare filter | 9021 | - | - | ✓ | - | ✓ | - | ✓ | ✓ | - | ✓ | - | ✓ | 11 | |



SUITABLE FOR GLASSES WEARER
VERY PRACTICAL

ULTRAVIOLET FILTER
GOOD COLOUR RECOGNITION

COMFORTABLE TEMPLES
VERY HIGH WEARING COMFORT

ULTRAVIOLET FILTER

9000 // VISION PROTECT BASIC

- Frame:** Plastic, black
- Oculars:** Polycarbonate, transparent
- Size(s):** One size
- Packaging unit:** 120 pieces
- Certification:** EN 166

NITRAS VISION PROTECT BASIC, safety glasses, frame black, oculars transparent (colour code: 1410), clear shade, ultraviolet filter, good colour recognition, intended for long-term use, nose pads, flexible temples, high wearing comfort



Frame marking: AS EN 166 F CE
Oculars marking: 2C-1,2 AS 1F CE





9010 // VISION PROTECT

| | |
|------------------------|------------------------------|
| Frame: | Plastic, black / transparent |
| Oculars: | Polycarbonate, transparent |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT, safety glasses, frame black / transparent, oculars transparent (colour code: 1410), clear shade, ultraviolet filter, good colour recognition, intended for long-term use, soft nose pads, flexible and adjustable temples, very high wearing comfort, UV 400 protection

Frame marking: AS EN 166 F CE
 Oculars marking: 2C-1,2 AS 1F CE



9015 // VISION PROTECT OTG

| | |
|------------------------|------------------------------|
| Frame: | Plastic, black / transparent |
| Oculars: | Polycarbonate, transparent |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT OTG, safety glasses, frame black / transparent, oculars transparent (colour code: 1410), clear shade, ultraviolet filter, good colour recognition, intended for long-term use, nose pads, flexible and adjustable temples, very high wearing comfort, suitable for wearer of glasses

Frame marking: AS EN 166 F CE
 Oculars marking: 2C-1,2 AS 1F CE



9020 // VISION PROTECT PREMIUM

| | |
|------------------------|----------------------------|
| Frame: | Plastic, black |
| Oculars: | Polycarbonate, transparent |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT PREMIUM, safety glasses, frame black, oculars transparent (colour code: 1410), clear shade, resistance to fogging, ultraviolet filter, good colour recognition, intended for long-term use, soft and flexible nose pads for perfect fit and safety, flexible and adjustable temples, perfect wearing comfort, premium quality

Frame marking: AS EN 166 F CE
 Oculars marking: 2C-1,2 AS 1F N CE



FLEXIBLE TEMPLES
HIGH WEARING COMFORT

TINTED OCULARS
PROTECTION AGAINST UV RADIATION

NOSE PADS
FOR A COMFORTABLE FIT

SUNGLARE FILTER

9001 // VISION PROTECT BASIC

| | |
|------------------------|----------------------|
| Frame: | Plastic, black |
| Oculars: | Polycarbonate, black |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT BASIC, safety glasses, frame black, oculars black (colour code: 1000), very dark shade, sunglare filter for industrial use, intended for long-term use, nose pads, flexible temples, high wearing comfort



Frame marking: AS EN 166 F CE
Oculars marking: 5-3,1 AS 1F CE





9011 // VISION PROTECT

| | |
|------------------------|----------------------|
| Frame: | Plastic, black |
| Oculars: | Polycarbonate, black |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT, safety glasses, frame black, oculars black (colour code:1000), very dark shade, sunglare filter for industrial use, intended for long-term use, soft nose pads, flexible and adjustable temples, very high wearing comfort, UV 400 protection

Frame marking: AS EN 166 F CE
 Oculars marking: 5-3,1 AS 1F CE



9012 // VISION PROTECT

| | |
|------------------------|---------------------------------------|
| Frame: | Plastic, black / transparent |
| Oculars: | Polycarbonate, beige, silver mirrored |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT, safety glasses, frame black / transparent, oculars beige (colour code: 5210), bright shade, silver mirrored, sunglare filter for industrial use, intended for long-term use, soft nose pads, flexible and adjustable temples, very high wearing comfort, UV 400 protection

Frame marking: AS EN 166 F CE
 Oculars marking: 5-1,7 AS 1F CE



9013 // VISION PROTECT

| | |
|------------------------|---------------------------------------|
| Frame: | Plastic, black |
| Oculars: | Polycarbonate, black, silver mirrored |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT, safety glasses, frame black, oculars black (colour code: 1000), very dark shade, silver mirrored, sunglare filter for industrial use, intended for long-term use, soft nose pads, flexible and adjustable temples, very high wearing comfort, UV 400 protection

Frame marking: AS EN 166 F CE
 Oculars marking: 5-3,1 AS 1F CE



9021 // VISION PROTECT PREMIUM

| | |
|------------------------|----------------------|
| Frame: | Plastic, black |
| Oculars: | Polycarbonate, black |
| Size(s): | One size |
| Packaging unit: | 120 pieces |
| Certification: | EN 166 |

NITRAS VISION PROTECT PREMIUM, safety glasses, frame black, oculars black (colour code: 1000), very dark shade, resistance to fogging, sunglare filter for industrial use, intended for long-term use, soft and flexible nose pads for perfect fit and safety, flexible and adjustable temples, perfect wearing comfort, premium quality



| | |
|------------------|------------------|
| Frame marking: | AS EN 166 F CE |
| Oculars marking: | 5-3,1 AS 1F N CE |



SUNGLARE FILTER
FOR INDUSTRIAL USE

UV 400 PROTECTION
EXTENDED PROTECTION SPECTRUM

MANY APPLICATION FIELDS
E.G. FOR LORRY DRIVERS





BRING LIGHT INTO THE DARKNESS

Don't miss any news about personal protective equipment, workwear and NITRAS: network with us on our social media channels and always stay well informed!

For more information, please see page 11 in our main catalogue.





NITRAS
SAFETY PRODUCTS
VISION PROTECT

ACCESSORIES

90D

| | |
|------------------------|--------------------------------------|
| Material: | Different, red / white / transparent |
| Miscellaneous: | Capacity 16 pieces |
| Size(s): | One size |
| Packaging unit: | 1 piece |
| Certification: | - |

NITRAS counter display for safety glasses, wood / metal / plastic, red / white, (colour code: 6011), holders made of plastic, transparent, with base, rotatable, with mirrors on the sides, capacity 16 safety glasses, excellent workmanship, comfortable to turn, height including base 67 cm, diameter base 30 cm, delivered without content



90DC

| | |
|------------------------|----------------------------------|
| Material: | Textile / plastic, black / white |
| Miscellaneous: | Capacity 16 pieces |
| Size(s): | One size |
| Packaging unit: | 1 piece |
| Certification: | - |

NITRAS presentation box for safety glasses, textile / plastic, black / white (colour code: 1011), with carrying handle, snap button fasteners, capacity 16 safety glasses, dimensions 52 x 32 x 7 cm, for the safe transport of safety glasses, can also be set up as counter display for presentation purposes, delivered without content





90NC

| | |
|------------------------|----------------|
| Material: | Textile, black |
| Miscellaneous: | - |
| Size(s): | One size |
| Packaging unit: | 12 pieces |
| Certification: | - |

NITRAS spectacle cord, textile, black (colour code: 1000), rubber loops with metal fixings, with metal reinforcements, length 65 cm, suitable for all spectacles



90C

| | |
|------------------------|------------------|
| Material: | Textile, black |
| Miscellaneous: | Capacity 1 piece |
| Size(s): | One size |
| Packaging unit: | 1 piece |
| Certification: | - |

NITRAS spectacle case, textile, black (colour code: 1000), with zipper, with carabiner, belt loops on the back, dimensions approx. 19 x 9 cm, capacity one pair of safety glasses, completely padded inside, for safe storage and transport of safety glasses, delivered without content



90B

| | |
|------------------------|------------------|
| Material: | Textile, black |
| Miscellaneous: | Capacity 1 piece |
| Size(s): | One size |
| Packaging unit: | 12 pieces |
| Certification: | - |

NITRAS spectacle bag, textile, black (colour code: 1000), with hook and loop fastener, with carabiner, dimensions approx. 20 x 10.5 cm, capacity one pair of safety glasses, for safe storage and transport of safety glasses, delivered without content






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You can find more information in our main catalogue on page 4.




**YOUR RELIABLE PARTNER FOR PERSONAL PROTECTIVE
EQUIPMENT AND WORKWEAR. SINCE 1986.**



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