

VWR[®] safety eyewear

01. SAFETY SPECTACLES

02. SAFETY GOGGLES

03. DISPENSERS

04. LENS CLEANING
TISSUES



European standards for eye protection

BASIC STANDARDS

- EN 166 Technical performance standard
- EN 167 Methods for optical tests
- EN 168 Test methods other than optical

STANDARDS BY APPLICATION

- EN 169 Welding filters
- EN 170 Ultraviolet filters
- EN 171 Infrared filters
- EN 172 Solar protection filters for industrial use
- EN 175 Welding work equipment
- EN 207 Glasses for laser protection
- EN 208 Glasses for laser adjustment
- EN 379 Specifications concerning welding filters

FRAME MARKING

Frame marking must include the CE symbol and the manufacturer's identification (logo or brand). If spectacles refer to the EN Standard, the number of the EN Standard is compulsory with the various application and mechanical strength symbols, in accordance with the tests requested by the manufacturer.

SYMBOLS

- 3 - Liquid droplets or splashes
- 4 - Coarse dust particles >5 µm
- 5 - Gas and fine dust particles <5 µm
- 8 - Electrical short circuit arc
- 9 - Molten metal and hot solids

MECHANICAL STRENGTH SYMBOLS

- A - High energy impact, resists a 6 mm, 0,86 g ball at 190 m/s
- B - Medium energy impact, resists a 6 mm, 0,86 g ball at 120 m/s
- F - Low energy impact, resists a 6 mm, 0,86 g ball at 45 m/s
- G - Resistant to radiant heat
- K - Resistance to surface deterioration by fine particles (optional)
- N - Resistance to misting or fogging (optional)
- S - Extra strong, resists a 22 mm, 43 g ball falling 1,30 m
- T - Mechanical strength against particles travelling at high speeds and extreme temperatures

LENS MARKING

Lens marking must include: The scale number for filtering lenses and the manufacturer's name (logo or brand recommended by the manufacturer).

RADIATION PROTECTION

- 2 - UV protection (EN 170). The number 2 indicates the filter may affect colour recognition
- 2C or 3 - UV protection (EN 170). The number 2C (previously 3) indicates the filter allows good colour recognition
- 4 - Infrared protection (EN 171). i.e. protection from heat
- 5 - Solar protection (EN 172). i.e. 100% UV sun glare protection - with no infrared (IR) protection
- 6 - Solar protection (EN 172). i.e. 100% UV sun glare protection - with infrared (IR) protection
- NB - The scale of UV can vary depending on the source and application. Please contact VWR for further information.

OPTICAL QUALITY

- 1 - Class 1 high optical quality, suitable for regular use. Refractive power of $\pm 0,06$ dioptries
- 2 - Class 2 medium optical quality, suitable for occasional use. Refractive power of $\pm 0,12$ dioptries
- 3 - Class 3 low optical quality, suitable for exceptional use. Refractive power of $\pm 0,25$ dioptries

WARNING

- F - Maximum protection for spectacles with side arms
- B - Maximum protection for goggles
- A - Maximum protection for face protections

If the S, F, B and A symbols are not the same for the lens and the frame, the lower level should be assigned to the protective eyewear.



SAFETY SPECTACLES, ROME

Wrap-around protective eyewear offering a comfortable and custom fit all day long

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Lightweight, frameless design
- Soft nose bridge for added comfort
- Easy lens replacement

2016/425/EU, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Blue	1	111-1842



SAFETY SPECTACLES, LONDON

Stylish protective eyewear combining fashion, fit and function.

- Moulded-in nose bridge
- Soft, non slip rubber temple tips
- Ideal for small facial contours

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Light blue	1	111-1845



SAFETY SPECTACLES, AMSTERDAM

Wrap-around, single lens safety glasses combining fashion, fit and function.

- Extremely lightweight
- Pantoscopic adjustment allows lens angle modification
- Rubber tips for added comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Orange	1	111-1843



SAFETY SPECTACLES, PRAGUE

These economical, compact cover glasses (OTG) fit over most prescription eyewear.

- Pantoscopic adjustment allows lens angle modification
- Adjustable temple length

2016/425/EU, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Blue	1	111-1846



COVER SPECTACLES, BUDAPEST

Wrap-around protective eyewear combining fashion, fit and function. One-piece PC lens and a lightweight, frameless design ensures a comfortable custom fit all day long.

- Adjustable temple length enables wearers to fit the eyewear to their facial profile
- Pantoscopic adjustment allows lens angle modification
- Integrated side shield
- Soft nose bridge for extra comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	1	111-1847



SAFETY SPECTACLES, DUBLIN

Lightweight spectacles with clear polycarbonate lens.

Anti-scratch/anti-fog coating

- Moulded brow guard
- Soft nose pad
- Soft rubber temple pads

Weight: 25,5 g

2016/425/EU, EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0929



SAFETY SPECTACLES, BARCELONA

Modern and stylish design glasses with sturdy polycarbonate frame.

- Nose pad made from soft material for extra comfort and to avoid slippage
- Soft temple dual-injected rubber to fit different head profiles
- Pantoscopic adjustment

2016/425/EU, EN 166:2001, EN 170; EN 166 FT CE (frame); 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Grey/blue	1	111-1848



SAFETY SPECTACLES, OSLO

Safety spectacles with wrap-around, clear polycarbonate lens and indirect ventilation.

- Anti-scratch/anti-fog coating
- Integrated side shields
- Integrated brow guard
- Adjustable temple length

Weight: 35 g

2016/425/EU, EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1,2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0932



SAFETY SPECTACLES, VIENNA

Lightweight safety glasses with clear PC lens.

- Anti-scratch/anti-fog coating
- Pantoscopic adjustment for angle modification
- Moulded brow guard
- Adjustable temple length

Weight: 26 g

2016/425/EU, EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1.2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0931



VISITOR SPECTACLES, LISBON

Visitor glasses with wrap-around, clear polycarbonate lens and indirect ventilation.

- Anti-scratch/anti-fog coating
- Integrated brow guard
- Vented side shields
- Weight: 46 g

2016/425/EU, EN 166, EN 170; 1 FT

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV (2-1.2), anti-scratch, anti-fog	Clear PC	Transparent	1	111-0930



SAFETY SPECTACLES, STOCKHOLM

Extremely lightweight, modern safety eyewear with outstanding field of vision and exceptional protection.

- Moulded-in nose bridge provides uncompromised comfort and fit
- Single-piece lens that will fit most faces
- Soft rubber tip for additional comfort

2016/425/EU, EN 166:2001, EN 170, ISO 9001:2008; 166 FT CE (frame) 1 FT (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Transparent/black	1	111-1844



GOGGLES, MONTREAL

Ergonomically designed wide vision goggles with co-injected frame provides 180° panoramic view. PC lens, PP (hard part) and AES Santoprene (soft part) frame, nylon headband.

- Indirect ventilation to prevent fogging
- Withstands extreme temperatures
- Designed to give optimum fit to all facial contours
- Easy four-step lens replacement

2016/425/EU, EN 166:2001, ISO 9001:2008; EN 166 3 9 BT CE (frame), 1 BT 9 0 (lens)

Type	Colour	Pk	Cat. No.
Anti-scratch, anti-fog	Black	1	111-1839



GOGGLES, TORONTO

Wrap-around modern style provides excellent panoramic vision, high level of comfort and maximum protection.

- PC lens, PVC frame, polyester/rubber headband
- Fitted with indirect ventilation
- Opalescent frame prevents light reflection
- Designed to give optimum fit to all facial contours
- Comfortably fits over most spectacles

2016/425/EU, EN 166:2001, ISO 9001:2008; EN 166 3 4 9 BT CE (frame), 1 BT 9 0 (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-scratch, anti-fog	Clear PC	Translucent blue	1	111-1840



GOGGLES, KINGSTON

Wrap-around modern style goggles, especially designed for small faces, provides excellent panoramic vision. The goggles consist of a PC lens, PVC frame and polyester/rubber headband.

- High comfort with maximum protection
- Fitted with indirect ventilation
- Opalescent frame prevents light reflection

2016/425/EU, EN 166:2001, ISO 9001:2008; EN 166 3 4 BT CE (frame); 1 BT 0 (lens)

Type	Lenses	Colour	Pk	Cat. No.
Anti-UV, anti-scratch, anti-fog	Clear PC	Translucent blue	1	111-1841



DISPENSERS FOR PERSONAL PROTECTIVE EQUIPMENT

ABS containers for storing personal safety apparatus in the workplace.

- Protection against dirt, dust and dampness
- Opening allows for quick removal of PPE in case of emergency
- Can be mounted using adhesive fittings or can be screwed to the wall

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Mini				
Eye protection	236x120x120	Blue	1	111-0000
Eye protection	236x120x120	Transparent	1	111-0021
Maxi				
Helmet and eye protection	236x200x315	Blue	1	111-0163



SAFETY SPECTACLES DISPENSERS, SECUBOX MAXI12 AND MIDI4

- These dispensers can be used to store visitor spectacles.
- Made from ABS
- Easy access to the items
- Good protection against dust

Description	Colour	Pk	Cat. No.
Midi4 for 4 spectacles	Blue	1	111-3716
Maxi12 for 12 spectacles	Blue	1	111-3715



DISPENSER FOR SAFETY GLASSES

Translucent acrylic dispensers provide easy access to safety accessories.

- Ergonomically angled for easy dispensing
- Hinged lid protects glasses from dust and debris
- Set on counter or wall mount (screws included)

Large dispenser holds approx. 20 glasses, small dispenser approx. 10

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Dispenser for safety glasses, small, holds up to 10 glasses	227x162x156	Translucent blue	1	111-2278
Dispenser for safety glasses, large, holds up to 20 glasses	203x203x406	Translucent blue	1	113-8687



DISPENSER FOR SOFT COVERS

Translucent acrylic dispensers provide easy access to soft covers like bouffant caps, beard covers and shoe covers.

- Ergonomically angled for easy dispensing
- Hinged lid protects items from dust and debris
- Set on counter or wall mount (screws included)

Cut-out opening for easy product removal

Description	WxDxH (mm)	Colour	Pk	Cat. No.
Dispenser for soft covers	227x162x156	Clear	1	113-8689



WORKSTATION DISPENSER, 3 COMPARTMENTS

Three-compartment dispenser can be used to organise safety glasses, earplugs, soft covers (including bouffant caps, beard covers and shoe covers), or any small items that need to be kept within reach.

- Three separate lift-up lids
- Middle compartment has reach-in hole for dispensing soft covers
- Durable acrylic is see-through so product levels are always visible
- Set on counter or wall mount (screws included)

For labs, hospitals, doctor's offices, veterinarian offices, dentist offices, etc.

Description	WxDxH (mm)	Pk	Cat. No.
Dispenser, 3 compartments	406x406x203	1	216-2001



LENS CLEANING TISSUES, GRADE 541

These tissues are suitable for cleaning various optical lenses such as objectives, binoculars, magnifying glasses, spectacles as well as optical fibre filaments.

LxW (mm)	Packed	Pk	Cat. No.
80x100	1x500 sheets	500	111-5003
100x150	25x25 sheets	625	111-5004

Setting science in motion to create a better world



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