



**uvex**

# Prescription Safety Eyewear

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**protecting people**

# SBU Occupational Health

uvex – a competent partner

## uvex as a partner for individual protective equipment

Our eyesight needs special protection – and many activities in our working lives leave them vulnerable to serious risks. uvex does not compromise on eye protection and offers reliable protection with individually adapted safety spectacles.

Decades of experience and innovative technologies form the basis for uvex products, which are manufactured in accordance with the most stringent safety standards. In addition to safety, uvex also guarantees maximum comfort and quality. Protective equipment that fits properly not only offers reliable protection, but is more likely to be worn by the employee.



## Individual eye protection from uvex

Prescription safety spectacles protect the eyes, and improve the wearer's vision. uvex offers individual prescription safety spectacles for all areas of application.

- Prescription safety spectacles certified in accordance with EN 166
- A wide selection of focus types and lens materials to meet all requirements
- An extremely wide range of frames, cater for all employee facial shapes
- Qualified advice and individual adjustment from opticians



## RX are produced locally

The individual PPE eyewear range from uvex provides exceptional quality and the latest technology. uvex innovations continue to set new standards in industrial health and safety.

- uvex's prescription safety eyewear is recognised for its exceptional wearer comfort, stylistic designs and sophisticated functionality.

## Our service – your benefits

uvex offers maximum service with maximum flexibility. Our specialists are happy to advise you with regard to professional and flexible solutions, tailored to the individual requirements of your company.

Our wide uvex collection enables us to find prescription safety spectacles for each of your employees.



## Well-rounded professional expertise

Individual PPE products demand competent advisory expertise to guarantee the right solution and fit. For this reason, adjustments are carried out by qualified professionals.

Upon request, uvex can provide seminars for professional individuals (e.g. company doctors or occupational nurses) within companies to provide them with a level of knowledge about the adjustment of PPE products.

- Prescription PPE products for all employees
- Certified products create legal certainty
- Adjustments carried out by qualified specialists
- uvex academy: seminars/safety days

# uvex RX App

The virtual companion for prescription safety spectacles

Optimal selection of products – conveniently on the iPad.

What are the advantages of the different lens types and coatings for innovative uvex prescription safety spectacles? Find the optimum product to meet requirements quickly and easily using the practical uvex RX app.

For example, test at the touch of a button the effect different filters have on the optical properties of spectacles. The app includes striking videos which show the impact tests conducted to determine the stability of lenses. Comprehensive product brochures can also be downloaded for detailed information.

## Range of information

Which prescription safety spectacles are best for your requirements? The uvex RX app offers comprehensive information, from innovative product specifications to impact test videos.



## Realistic perspective

The uvex RX app provides a realistic experience of vision through varifocal lenses.



[www.uvex-safety.com/uvex\\_app/uvex-rx](http://www.uvex-safety.com/uvex_app/uvex-rx)



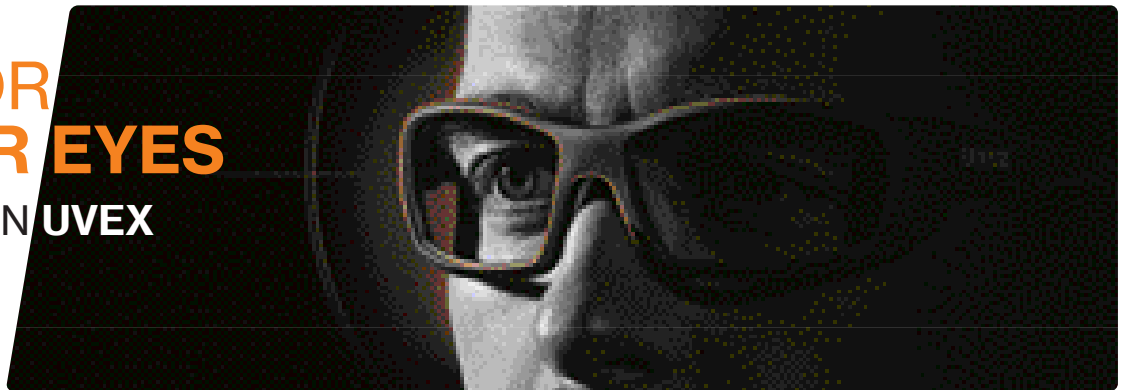
## View everything

The uvex RX app makes product selection easier.

# Prescription safety spectacles

Individual eye protection from uvex

**MADE FOR  
YOUR EYES**  
MADE IN **UVEX**



uvex prescription safety spectacles are individually adapted to the wearer's vision while offering the best possible protection in the workplace.

The spectacles are certified and marked in accordance with EN 166, so they can be used in workplaces where safety spectacles are mandatory. As occupational safety spectacles, they not only protect the eyes (from UV radiation, flying particles, dust etc.), but are also a visual aid because the lenses have a dioptric effect.

uvex offers a wide range of high-quality lens materials, focus types and frames. This makes it easier to switch between personal spectacles and employer-provided safety spectacles, which increases wearer acceptance.

The comprehensive uvex quality system guarantees the best design from an optical and processing technology perspective. All materials used (lenses, frames, cases etc.) are free from harmful substances and are regularly inspected.

## The collection

uvex offers a variety of frames for prescription safety spectacles.

### uvex RX bc plastic



- bc: basic collection
- in different shapes, sizes and colours

### uvex RX bc metal



- bc: basic collection
- in different shapes, sizes and colours

### uvex RX ti



- ti: titan
- made of high-quality titanium
- extremely stable
- lightweight
- allergy-neutral

### uvex RX cb



- cb: custom bridge

Suitable for people with:

- a flat nose bridge
- high cheekbones
- wide temples

### uvex RX cd



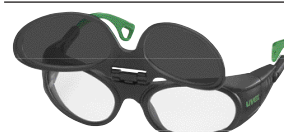
- cd: comfort and design
- safety spectacles in a sporty design

### uvex RX sp



- sp: sporty
- safety spectacles in a wrap-around design for anatomic sport lenses

### uvex RX cd flip up



- cd: comfort and design
- for workplaces with special requirements

### uvex RX cf



- cf: close fit
- safety spectacles with all-round protection and tailored to your individual prescription
- recommended for handling chemicals and/or working in dusty environments

# Prescription safety spectacles

## uvex RX bc plastic frames



6109203



6109204

### uvex RX bc 5503

- plastic frames with classic lens shape
- transparent side shields with integrated brow guard
- good fit with anatomically shaped nose bridge

uvex RX 5503		
Art. no.	6109203	6109204
Ref. no.	5503 1300 54/17	5503 7415 54/17
Lens diameter	54 mm	54 mm
Bridge width	17 mm	17 mm
Colour	anthracite	green, grey
Extras		metal arms with sprung hinges
Marking on frame	W 166 FT CE	W 166 FT CE



6109206



6109207

### uvex RX bc 5504

- plastic frames with oval-shaped lenses
- transparent side shields with integrated brow guard
- good fit with anatomically shaped nose bridge

uvex RX 5504		
Art. no.	6109206	6109207
Ref. no.	5504 1300 55/20	5504 1525 55/20
Lens diameter	55 mm	55 mm
Bridge width	20 mm	20 mm
Colour	anthracite	grey, translucent
Extras		metal arms with sprung hinges
Marking on frame	W 166 FT CE	W 166 FT CE

### uvex RX bc 5502

- close-fitting plastic frames
- side shields and integrated brow guard frame design
- specially shaped frames provide protection against particles from below
- good fit with anatomically shaped nose bridge
- individually adjustable side arms with four different lengths and adjustable soft-form comfort ear pieces



6108215

uvex RX 5502	
Art. no.	6108215
Ref. no.	5502 1725 56/15
Lens diameter	56 mm
Bridge width	15 mm
Colour	grey
Marking on frame	W 166 F CE

previously: uvex 9134 meteor

# Prescription safety spectacles

uvex RX bc metal frames



6109105

## uvex RX bc 5103

- classic design metal frame with double bridge
- transparent side shields
- anatomically adjustable, soft nose pads and easily adjustable earpieces deliver exceptional fit

uvex RX 5103	
Art. no.	6109105
Ref. no.	5103 1400 55/17
Lens diameter	55 mm
Bridge width	17 mm
Colour	gunmetal, matt
Marking on frame	W 166 FT CE



6109106

## uvex RX bc 5104

- large metal frame design with double bridge
- transparent side shields
- anatomically adjustable, soft nose pads and easily adjustable earpieces deliver exceptional fit

uvex RX 5104	
Art. no.	6109106
Ref. no.	5104 6054 56/21
Lens diameter	56 mm
Bridge width	21 mm
Colour	gold, havanna
Marking on frame	W 166 FT CE



6109112

## uvex RX bc 5108

- slim, expressive metal frame
- transparent side shields
- very good fit with anatomically adjustable nose bridge and easily adjustable earpieces

uvex RX 5108	
Art. no.	6109112
Ref. no.	5108 3400 54/19
Lens diameter	54 mm
Bridge width	19 mm
Colour	steel blue
Marking on frame	W 166 FT CE

previously: uvex 9155 mercury



6109109

## uvex RX bc 5106

- classic design metal frame
- transparent side shields
- anatomically adjustable nose bridge and easily adjustable earpieces delivers exceptional fit

uvex RX 5106	
Art. no.	6109109
Ref. no.	5106 1400 52/20
Lens diameter	52 mm
Bridge width	20 mm
Colour	gunmetal, matt
Marking on frame	W 166 FT CE

previously: uvex 9254 greystar

# Prescription safety spectacles

uvex RX cb



6109232

## uvex RX cb 5580

- wide fitting plastic frame for the best fit
- frame design with side shields and integrated brow guard
- easily adjustable, soft-form ear pieces for extra comfort
- ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- tested for use with Asian headform 2M, DIS ISO 18526-4:2018

uvex RX cb 5580	
Art. no.	6109232
Ref. no.	5580 3015 57/14
Lens	57 mm
Bridge width	14 mm
Colour	dark blue, grey
Marking on frame	W 166 F CE



6109233

## uvex RX cb 5581




- plastic frame with extra wide temple width
- frame design with side shields and integrated brow guard
- easily adjustable, soft-form ear pieces for extra comfort
- ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- tested for use with Asian headform 2M, DIS ISO 18526-4:2018

uvex RX cb 5581	
Art. no.	6109233
Ref. no.	5581 1542 58/14
Lens	58 mm
Bridge width	14 mm
Colour	grey, dark red
Marking on frame	W 166 F CE



# Prescription safety spectacles

Lens options uvex RX bc for plastic and metal frames · uvex RX ti · uvex RX cb

Focus type		Lens type	Parameter for centering of the lenses
Description			Specific height Box measure
<b>Single vision</b>			
<ul style="list-style-type: none"> <li>– Correction of visual defect in far, in-between or near distance</li> </ul>		<b>Single vision, Single vision HD</b>	Single vision HD ≥ centre of lens
<b>Certified prescription range</b>			
<b>Comfort lenses</b>			
<b>Nahcomfort</b> <ul style="list-style-type: none"> <li>– Version with expanded near vision</li> <li>– Ideal for workplace environments of 30 cm to approx. 2 m</li> </ul>		<b>Nahcomfort Standard, Nahcomfort Optima</b> Versions see page 28	min. 17 mm
<b>Distanzcomfort</b> <ul style="list-style-type: none"> <li>– Calculation of the individual correction for defined distances (1 m, 2 m or 4 m)</li> </ul>		<b>Distanzcomfort Optima</b>	min. 17 mm
<b>Single vision Relax</b> <ul style="list-style-type: none"> <li>– To accommodate the prescription for the lower part of the lens, the prescription is increased by +0.5 of a diopter</li> </ul>		<b>Single vision Relax</b>	min. 17 mm
<b>Certified prescription range</b>			
<b>Bifocals</b>			
<ul style="list-style-type: none"> <li>– Correction of visual defect in far and reading distance</li> <li>– Visible segment for near distance</li> <li>– Steplike change from far distance to near distance at the edge of segment</li> <li>– Instantly well-tolerated, visible edge of segment supports orientation</li> </ul>		Width of segment: 28 mm, curved	
<b>Certified prescription range</b>			
<b>Varifocals</b>			
<ul style="list-style-type: none"> <li>– Correction of visual defect in far, in-between and near distance</li> <li>– Gliding change from far distance to near distance (progressive canal)</li> <li>– The non-visible gliding zone corrects in-between distances</li> </ul>		<b>Varifocal Standard</b> <ul style="list-style-type: none"> <li>– Standard area for far distance and near distance</li> <li>– Long, narrow canal of progression</li> </ul>	min. 23 mm
		<b>Varifocal Pro Work</b> <ul style="list-style-type: none"> <li>– Large area for far distance</li> <li>– Wide canal of progression</li> <li>– Optimized area for reading distance</li> </ul>	min. 20 mm
		<b>Varifocal Piccolo</b> <ul style="list-style-type: none"> <li>– Suitable for flat frames</li> <li>– Large area for far distance and near distance</li> <li>– Shortened canal of progression</li> </ul>	min. 17 mm
		<b>Varifocal Top One</b> <ul style="list-style-type: none"> <li>– Very comfortable, large long-distance and close-up field of vision</li> <li>– Wide canal of progression for added convenience</li> <li>– Minimal blur in periphery area</li> </ul>	min. 19 mm
		<b>Varifocal Optima, Varifocal Optima HD</b> <ul style="list-style-type: none"> <li>– Individual adjusted multifocal lens of latest generation</li> <li>– Wide field of view for any distance</li> <li>– Improved design</li> <li>– Almost no blurred zones in periphery area</li> <li>&gt;&gt; Version HD see page 28</li> </ul>	Optima min. 17 mm Optima HD min. 16 mm (depending on the corridor length)
<b>Certified prescription range</b>			

► The overview shows the maximum prescription range which is approved and certified.  
Depending on the size of the frame and the lens material, further restrictions may apply.

	Material						Extras, optional					
	CR 39	HI 1.6	Plastic HI 1.67	PC	Trivex	Silicate Hard glass	Normal AR	Multi AR	Super AR	UV blue protect	Tint	Variomatic brown
	■	■	■	■	■	HD not available	■	■	■	■	■	■
		incl. hard coating recommended from +/- 4.0 dpt.	incl. hard coating only available with SAR recommended from +/- 6.0 dpt.	incl. hard coating	incl. hard coating only available with SAR		only single vision	only single vision, not for hard glass	■	only HI 1.67 or PC		only Polycarbonate or Trivex
	+10.0 to -10.0 dpt. at maximum value cyl. ± 8.0 dpt.	+12.0 to -13.0 dpt. at maximum value cyl. ± 8.0 dpt.	+13.0 to -14.5 dpt. at maximum value cyl. ± 8.0 dpt.	+9.5 to -12.0 dpt. at maximum value cyl. ± 8.0 dpt.	+8.0 to -11.0 dpt. at maximum value cyl. ± 7.0 dpt.	+7.0 to -6.0 dpt. at maximum value cyl. ± 4.0 dpt.						+7.5 to -8.5 dpt. at maximum value cyl. ± 6.0 dpt.
	Standard/ Optima	only Optima	only Optima	Standard/ Optima	only Optima	—	■	not for hard glass	■	only HI 1.67 or PC	—	—
	■	■	■	■	■	—	■	not for hard glass	■	only HI 1.67 or PC	—	—
	■	■	■	■	■	—	■	not for hard glass	■	only HI 1.67 or PC	—	—
	+9.0 to -7.5 dpt. at maximum value cyl. ± 6.0 dpt.	+8.0 to -8.0 dpt. at maximum value cyl. ± 6.0 dpt.	+9.0 to -10.0 dpt. at maximum value cyl. ± 6.0 dpt.	+9.0 to -4.5 dpt. at maximum value cyl. ± 6.0 dpt.	+7.0 to -6.0 dpt. at maximum value cyl. ± 4.0 dpt.	+6.0 to -4.5 dpt. at maximum value cyl. ± 4.0 dpt.						
	■	■	—	■	—	■	■	not for hard glass	■	—	■	—
	+7.0 to -8.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+8.5 to -10.5 dpt. at maximum value cyl. ± 8.0 dpt. Add. +3.0		+10.0 to -10.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0		+6.0 to -6.0 dpt. at maximum value cyl. ± 4.0 dpt. Add. +3.0						
	■	■	■	■	—	■	■	not for hard glass	■	—	■	only Polycarbonate
	■	■	■	■	■	■	■	not for hard glass	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
	■	■	■	■	—	■	■	—	■	—	■	only Polycarbonate
	■	■	■	■	—	■	■	not for hard glass	■	only HI 1.67 or PC	■	only Polycarbonate
	■	■	■	■	■	—	only Optima	only Optima not for hard glass	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
	+6.0 to -10.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+9.5 to -12.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+10.0 to -12.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+9.5 to -10.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+6.0 to -13.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0	+6.0 to -6.0 dpt. at maximum value cyl. ± 4.0 dpt. Add. +3.0						+7.5 to -10.0 dpt. at maximum value cyl. ± 6.0 dpt. Add. +3.0

# Prescription safety spectacles

uvex RX cd



6109250

## uvex RX cd 5522

- modern plastic frame in a robust design
- translucent frame colour for an unobstructed field of vision
- air vents at the top and side
- soft, adjustable nose bridge
- sporty arms made from a combination of soft and hard components to ensure increased comfort and non-slip fit
- soft, adjustable ear-pieces with metal core

uvex RX cd 5522	
<b>Art. no.</b>	6109250
<b>Ref. no.</b>	5522 2533 58/15
<b>Lens diameter</b>	58 mm
<b>Bridge width</b>	15 mm
<b>Colour</b>	translucent grey, blue
<b>Marking on frame</b>	W 166 F CE

► Please note the glazing options for uvex RX cd on page 24/25

## uvex RX cd 5522 accessories



6118012



6109250 assembled  
with uvex tight-fit-kit 6118012

## uvex RX cd 5522 tight-fit-kit

- set consisting of seal and headband
- seal made of hard and soft components provides a tight fit
- protection against liquids (droplets) – marking 3, in accordance with EN 166
- headband for a more secure fit, can be fitted straight onto the side arms

uvex RX cd 5522 tight-fit-kit	
<b>Art. no.</b>	6118012
<b>Colour</b>	black, anthracite
<b>Seal marking</b>	W 166 3F CE
<b>Compatible with</b>	6109250
<b>Order unit</b>	PC

**uvex**

# Prescription safety spectacles

uvex RX cd



6109249\*



Reflective uvex logo

## uvex RX cd 5521

- stylish plastic frame with reflective uvex logo
- transparent lens frame for an unrestricted field of view
- good fit thanks to anatomically shaped nose bridge
- sporty arms made from a combination of soft and hard components to ensure increased comfort and non-slip fit

uvex RX cd 5521	
Art. no.	6109249*
Ref. no.	5521 1813 54/22
Lens diameter	54 mm
Bridge width	22 mm
Colour	silver, anthracite
Marking on frame	W 166 F CE



# Prescription safety spectacles

uvex RX cd



6109230



6109231



6109234

## uvex RX cd 5518

- sporty frame design: attractive and durable
- metal-free
- comfortable soft arms (uvex duo component technology), non-slip fit without pressure points
- good fit thanks to anatomically shaped nose bridge

uvex RX 5518			
Art. no.	6109230	6109231	6109234
Ref. no.	5518 1341 54/22	5518 5074 54/22	5518 1333 54/22
Lens diameter	54 mm	54 mm	54 mm
Bridge width	22 mm	22 mm	22 mm
Colour	anthracite, red	dark brown, green	anthracite, blue
Marking on frame	W 166 F CE	W 166 F CE	W 166 F CE

► Please note the glazing options for uvex RX cd on page 22/23



6109246



6109236

## uvex RX cd 5520

- contemporary plastic frame in stylish colours
- good fit thanks to anatomically shaped nose bridge
- translucent lens frame for an unobstructed field of view
- uvex Comfort Sliders allow the side arm length and inclination to be adjusted for a customised fit
- the spectacles can also be worn without uvex Comfort Sliders
- completely metal-free

uvex RX cd 5520		
Art. no.	6109246	6109236
Ref. no.	5520 1333 54/18	5520 1344 54/18
Lens diameter	54 mm	54 mm
Bridge width	18 mm	18 mm
Colour	anthracite, pink	anthracite, blue
Marking on frame	W 166 F CE	W 166 F CE

► Please note the glazing options for uvex RX cd on page 22/23



6109225



6109226

## uvex RX cd 5514

- close-fitting plastic frame
- transparent side shields and integrated brow guard frame design
- soft, adjustable nose bridge
- easily adjustable soft-form comfort ear pieces

uvex RX cd 5514		
Art. no.	6109225*	6109226*
Ref. no.	5514 1033 53/18	5514 1045 55/18
Lens diameter	53 mm	55 mm
Bridge width	18 mm	18 mm
Colour	black, blue	black, red
Marking on frame	W 166 F CE	W 166 F CE

► Please note the glazing options for uvex RX cd on page 22/23

# Prescription safety spectacles

uvex RX cd



6109227



6109228



6109229

## uvex RX cd 5515

- close-fitting plastic frame
- side shields and integrated brow guard frame design
- soft, adjustable nose bridge
- easily adjustable soft-form comfort ear pieces

uvex RX cd 5515			
<b>Art. no.</b>	6109227	6109228*	6109229*
<b>Ref. no.</b>	5515 1347 51/17	5515 1371 53/17	5515 1342 57/17
<b>Lens diameter</b>	51 mm	53 mm	57 mm
<b>Bridge width</b>	17 mm	17 mm	17 mm
<b>Colour</b>	anthracite, coral	anthracite, petrol	anthracite, dark red
<b>Marking on frame</b>	W 166 F CE	W 166 F CE	W 166 F CE

► Please note the glazing options for uvex RX cd on page 22/23


6109208  
6109209

## uvex RX cd 5505

- close-fitting plastic frames
- integrated side shields and brow guard for an exceptionally close fit
- specially shaped frames provide protection against particles from below
- good fit with anatomically shaped nose bridge
- individually adjustable side arm length and angle for a customised fit and adjustable soft-form comfort ear pieces

uvex RX cd 5505		
<b>Art. no.</b>	6109208	6109209
<b>Ref. no.</b>	5505 2900 55/19	5505 2900 57/19
<b>Lens diameter</b>	55 mm	57 mm
<b>Bridge width</b>	19 mm	19 mm
<b>Colour</b>	transparent	transparent
<b>Marking on frame</b>	W 166 F CE	W 166 F CE

► Please note the glazing options for uvex RX cd on page 22/23


5505 seal 55/19  
5505 seal 57/19


6118000 with 5505 seal 57/19



6118001 with 5505 seal 55/19

## uvex RX cd 5505 seal

- foam seal frame for uvex RX cd 5505 for use when working with dust, chips or fluids
- complies with EN 166 "Protection against liquid droplets and splashes" (category "3")

uvex RX cd 5505 seal		
<b>Art. no.</b>	6118000	6118001
<b>Ref. no.</b>	5505 seal 55/19	5505 seal 57/19
<b>Lens diameter</b>	55 mm	57 mm
<b>Bridge width</b>	19 mm	19 mm
<b>Colour</b>	black	black
<b>Compatible with</b>	Art. no. 6108208	Art. no. 6108209
	Art. no. 6109208	Art. no. 6109209
	Art. no. 6109214	Art. no. 6109215
<b>Seal marking</b>	W 166 3 F CE	W 166 3 F CE

# Prescription safety spectacles

uvex RX cd



6109243  
6109244

**ON REQUEST**



6109239  
6109240

**ON REQUEST**



6109218  
6109235

**ON REQUEST**

## uvex RX cd 5505 flip-up, CBR65

- flip-up incl. non-prescription CBR65 lenses
- high-contrast, fatigue-free vision
- in workplaces with extremely harsh lighting conditions, blue light is reduced by up to 50%
- slight tint for LED lights, computers and other visual display screens that produce bright, harsh unnatural light with high blue content, or for those working outdoors

uvex RX cd 5505 flip-up, CBR65		
Art. no.	6109243	6109244
Ref. no.	5505 9965 55/19	5505 9965 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	crystal matt, green	crystal matt, green
Features: flip-up		
Lens	PC CBR65	PC CBR65
Lens marking	5-1.4 W 1 FK CE	5-1.4 W 1 FK CE
Marking on frames	W 166 F CE	W 166 F CE

## uvex RX cd 5505 flip-up, polarising filter

- flip-up incl. non-prescription lenses with polarising filter
- polarising filters only let in radiation from one vibration direction – scattered radiation (e.g. reflection on the surface of water) is suppressed
- particularly suitable for workplaces with a high risk of glare (e.g. offshore, maritime environment, construction industry) and/or highly reflective surfaces
- level of protection 5-3.1 in accordance with EN 172, mech. strength F in accordance with EN 166

uvex RX cd 5505 flip-up, polarising filter		
Art. no.	6109239	6109240
Ref. no.	5505 9911 55/19	5505 9911 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	crystal matt, green	crystal matt, green
Features: flip-up		
Lens	grey PC, polarising	grey PC, polarising
Lens marking	5-3.1 W 1 F CE	5-3.1 W 1 F CE
Markings on frame	W 166 F CE	W 166 F CE

## uvex RX cd 5505 flip-up welding protection

- flip-up with welding protection lenses, non-prescription
- level of protection 5 (welding), suitable for autogenous welding
- new filter technology with grey-tinted lenses provides reliable protection against UV and infrared radiation as well as ensuring perfect colour recognition
- Note: welding protection lenses do not provide sufficient protection against laser beams!
- level of protection 5 in accordance with EN 169 (welding), mech. strength F in accordance with EN 166

uvex RX cd 5505 flip-up welding protection		
Art. no.	6109218	6109235
Ref. no.	5505 9905 55/19	5505 9905 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	black, green	black, green
Features: flip-up		
Lens	PC grey, welding protection 5	PC grey, welding protection 5
	uvex infrarad plus	uvex infrarad plus
Lens marking	5 W1 FTK CE	5 W1 FTK CE
Marking on frame	W 166 F CE	W 166 F CE

# Prescription safety spectacles

uvex RX cd


6109237  
6109238

**ON REQUEST**

## uvex RX cd 5505 flip-up, didymium

- flip-up incl. non-prescription didymium lenses
- didymium lenses are special filters with a high absorption rate of 589 nm
- they filter bright yellow sodium flare
- lightweight polycarbonate filter with high mechanical strength
- level of protection 2-2 in accordance with EN 170, mech. strength F in accordance with EN 166
- Note: Didymium lenses do not provide increased protection against

uvex RX cd 5505 flip-up, didymium

Art. no.	6109237	6109238
Ref. no.	5505 9910 55/19	5505 9910 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	crystal matt, green	crystal matt, green
Features: flip-up		
Lens	violet PC, didymium	violet PC, didymium
Lens marking	2-2 W 1 F CE	2-2 W 1 F CE
Marking on frame	W 166 F CE	W 166 F CE


6109241  
6109242

**ON REQUEST**

## uvex RX cd 5505 flip-up, X-ray protection

- flip-up incl. non-prescription mineral lenses that provide X-ray protection
- the lead equivalent of the protective lenses is 0.75
- **protective X-ray lenses are not tested and marked in accordance with EN 166**

uvex RX cd 5505 flip-up, X-ray protection

Art. no.	6109241	6109242
Ref. no.	5505 9975 55/19	5505 9975 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	crystal matt, green	crystal matt, green
Features: flip-up		
Lens	Leaded mineral glass	Leaded mineral glass
Lens marking	Pbeq 0.75	Pbeq 0.75
Marking on frame	W 166 F CE	W 166 F CE

# Prescription safety spectacles

## Lens options for uvex RX cd














uvex RX cd 5521



uvex RX cd 5505



uvex RX cd 5505 flip-up

					Lens type	Parameter for centering of the lenses	
Description						Specific height	
						Box measure	
Single vision							
					Single vision, Single vision HD	Single vision HD min. centre of lens	
Prescription range							
Comfort lenses							
					Nahcomfort Standard, Nahcomfort Optima Versions see page 28	min. 17 mm	
Nahcomfort Standard	Nahcomfort Optima	Distanzcomfort Optima	Single vision Relax		Distanzcomfort Optima	min. 17 mm	
					Single vision Relax	min. 17 mm	
Prescription range							
Bifocals							
					Width of segment: 28 mm, curved		
Prescription range							
Varifocals							
					Varifocal Standard	min. 23 mm	
Varifocal Standard	Varifocal Pro Work	Varifocal Piccolo	Varifocal Top One	Varifocal Optima	Varifocal Pro Work	min. 20 mm	
				Varifocal Optima HD	Varifocal Piccolo	min. 17 mm	
					Varifocal Top One	min. 19 mm	
					Varifocal Optima	min. 17 mm	
					Varifocal Optima HD	min. 16 mm (depending on the corridor length)	
Prescription range							

- In order to ensure optimum vision, uvex compensate the values in accordance to the frame wrap angle (FWA).  
The overview below provides information on the lens options for uvex RX cd frames.  
Please also ensure the frame fits correctly.



uvex RX cd 5514



uvex RX cd 5515

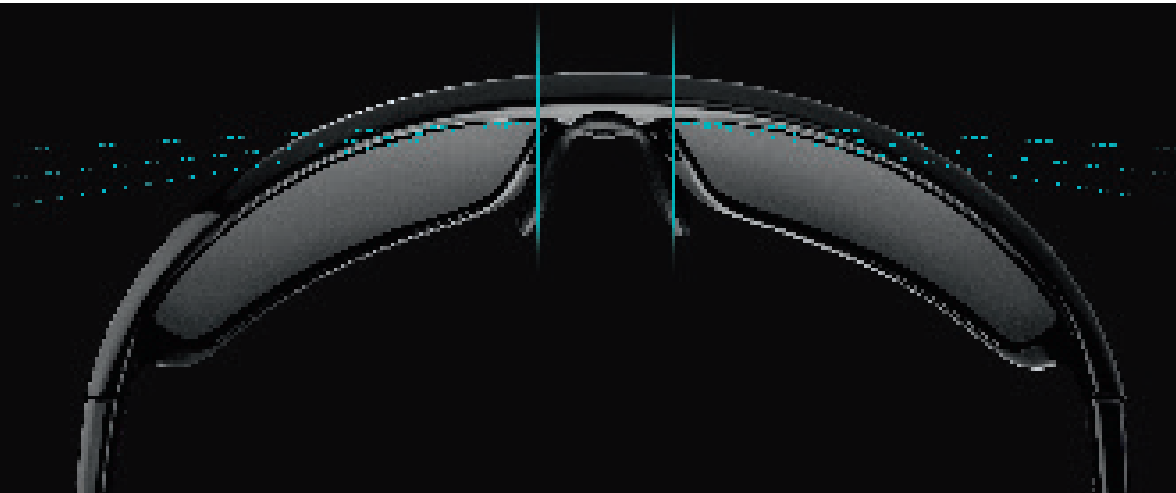


uvex RX cd 5518

	Material					Extras, optional					
	CR 39	HI 1.6	HI 1.67	PC	Trivex	Normal AR	Multi AR	Super AR	UV blue protect	Tinting	Variomatic brown
	■	■	■	■	■	■	■	■	■	■	■
		incl. hard coating	incl. hard coating only available with SAR	incl. hard coating	incl. hard coating only available with SAR	only single vision	only single vision		only HI 1.67 or PC		only Polycarbonate or Trivex
	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.						+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.
	Standard/Optima	only Optima	only Optima	Standard/Optima	only Optima	■	■	■	only Optima, HI 1.67 or PC	—	—
	■	■	■	■	■	■	■	■	only HI 1.67 or PC	—	—
	■	■	■	■	■	■	■	■	only HI 1.67 or PC	—	—
	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.						
	■	■	—	■	—	■	■	■	—	■	—
	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.		+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.							
	■	■	■	■	—	■	■	■	—	■	only Polycarbonate
	■	■	■	■	■	■	■	■	only, HI 1.67 or PC	■	only Polycarbonate or Trivex
	■	■	■	■	—	■	—	■	—	■	only Polycarbonate
	■	■	■	■	—	■	■	■	only, HI 1.67 or PC	■	only Polycarbonate
	■	■	■	■	■	■	■	■	only, HI 1.67 or PC	■	only Polycarbonate or Trivex
	■	■	■	■	■	only Optima	only Optima	■	only, HI 1.67 or PC	■	only Polycarbonate or Trivex
	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.	+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.						+6.0 to -6.0 dpt. at maximum value cyl. ±4.0 dpt.

## uvex RX sp

Lifestyle at work



### uvex RX sp frames

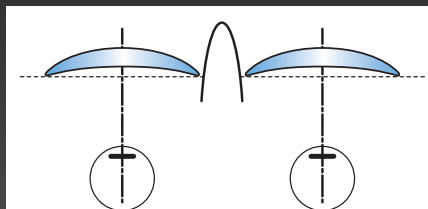
Make a statement with the uvex RX sp collection which stands out due to its sporty design and appealing frame colour combinations.

All protection functions are fully integrated into the frame design requiring no separate side guards which is commonly the case with conventional protective spectacles.

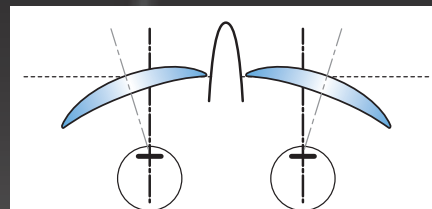
The wraparound design offers the perfect fit and maximum protection thanks to its wide side arms and curvature of the lens. As with all uvex models, only the highest quality plastics are used in its protection.

### uvex anatomic sport lens

we only use lenses with a base curve that is identical to the curvature of the frame. Prescription values are recalculated based on the angle of the lenses and taken into account during the glazing process..



**Conventional prescription glasses:**  
The planes of the right and left lenses are virtually congruent.



**Spectacles with more strongly curved lenses:**  
The planes of the right and left lenses are tilted toward one another.



6109216



6109217

### uvex RX sp 5510

- sporty, plastic "wraparound" design with curved lenses and anatomic sport glazing
- side shield and integrated brow guard frame design
- good fit with anatomically shaped soft nose bridge
- sporty arms with a combination of soft and hard components ensure increased comfort and non-slip fit

uvex RX sp 5510		
Art. no.	6109216	6109217
Ref. no.	5510 1217 62/17	5510 1248 62/17
Lens diameter	62 mm	62 mm
Bridge width	17 mm	17 mm
Colour	matt black, light grey	matt black, orange

► Please note the glazing options for uvex RX sp on pages 28/29

# Prescription safety spectacles

uvex RX sp



6109220



6109221

## uvex RX sp 5512

- sporty, plastic “wraparound” design with curved lenses and anatomic sport glazing
- uvex tight-fit-kit consisting of headband and foam material available
- side shield and integrated brow guard frame design
- the arms can be replaced with a headband for a more secure fit when working in extreme conditions
- the foam material guarantees a close and firm fit.
- very good fit with anatomically adjustable, soft nose bridge
- sporty side arms with a combination of soft and hard components ensure increased comfort and non-slip fit

Applications in combination with the tight-fit-kit:

- working in extreme situations, such as overhead or in confined spaces
- working with fluids (drops) or chips and dust

uvex RX sp 5512		
<b>Art. no.</b>	6109220	6109221
<b>Ref. no.</b>	5512 5573 65/16	5512 1348 65/16
<b>Lens diameter</b>	65 mm	65 mm
<b>Bridge width</b>	16 mm	16 mm
<b>Colour</b>	brown, olive	anthracite, orange
<b>Marking on framer</b>	W 166 F CE	W 166 F CE

uvex tight-fit-kit		
<b>Art. no.</b>	6118004	6118005
<b>Design</b>	uvex tight-fit-kit for uvex RX sp 5512	uvex tight-fit-kit for uvex RX sp 5512
<b>Colour</b>	brown, olive	anthracite, orange
<b>Tight-fit-kit marking</b>	W 166 3 F CE	W 166 3 F CE

► Please note the glazing options for uvex RX sp on page 24/25



6118004



6109220 assembled with uvex tight-fit-kit 6118004



6118005



6109221 assembled with uvex tight-fit-kit 6118005



6109222

## uvex RX sp 5513

- sporty, plastic “wraparound” design with large lenses and anatomic sport glazing
- side shield and integrated brow guard frame design
- good fit due to anatomically shaped soft nose bridge
- sporty arms with a combination of soft and hard components ensure increased comfort and non-slip fit

uvex RX sp 5513	
<b>Art. no.</b>	6109222
<b>Ref. no.</b>	5513 1577 62/16
<b>Lens diameter</b>	62 mm
<b>Bridge width</b>	16 mm
<b>Colour</b>	grey, light green
<b>Marking on frame</b>	W 166 F CE

► Please note the glazing options for uvex RX sp on pages 24/25

# Prescription safety spectacles

uvex RX cf



6108200

## uvex RX cf 5500

- spectacles with all-round protection
- fixed RX insert for your individual prescription
- meets the requirements for additional markings 3 (liquids, droplets) and 4 (coarse dust)
- perfect fit providing reliable protection: The side arms can be adjusted to a variety of different lengths, allowing the glasses to be adapted to suit all facial shapes
- flexible soft components adapt to the wearer's face contours

uvex skyguard NT RX 5500	
Art. no.	6108200
RX insert lens diameter	48mm
RX insert bridge width	20mm
Colour	blue, grey
Marking on frame	W 166 34F CE
Lenses	PC clear
Lens marking	2C-1,2W 1 FKN

► Please note the glazing options for uvex RX cd on pages 20/21



6108201

## uvex RX cf 5501

- small goggles with fixed RX insert to suit your individual prescription
- meets the requirements for additional markings 3 (liquids, droplets) and 4 (coarse dust)
- highly compatible with other PPE
- low-volume frame design
- indirect ventilation

uvex carbonvision RX 5501	
Art. no.	6108201
RX insert lens diameter	48 mm
RX insert bridge width	20 mm
Colours	black, grey
Marking on frame	W 166 34 B CE
Lens	PC clear
Lens Marking	2C-1,2 W 1 FKN

► Please note the glazing options for uvex RX sp on pages 20/21



6109501



















## uvex RX cf 9501

Workplaces with high risk of mechanical hazards, such as metal-cutting shaping, turning, grinding and milling.

uvex RX goggle 9501	
Art. no.	6109501
Ref. no.	9501 1333 61/14
Lens diameter	61 mm
Bridge width	14 mm
Colour	anthracite, blue
Marking on frame	W 166 34 B CE

# Prescription safety spectacles

Lens options for uvex RX sp models · Special lenses for uvex RX cf 9501

uvex RX sp 5519, uvex RX sp 5510		Important note	Lens type	Parameter for centering of the lenses	
Description				Specific height Box measure	
	<b>Single vision</b>				
		for uvex RX sp 5510: Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Single vision Single vision HD		
	<b>Comfort lenses</b>				
		for uvex RX sp 5510: Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Nahcomfort Optima	min. 17 mm	
			Distanzcomfort Optima	min. 17 mm	
			Single vision Relax	min. 17 mm	
	<b>Varifocals</b>				
		for uvex RX sp 5510: Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Varifocal Pro Work	min. 20 mm	
			Varifocal Optima	min. 17 mm	
	Varifocal Pro Work    Varifocal Optima Varifocal Optima HD		Varifocal Optima HD	min. 16 mm	
	<b>Prescription range</b>				
uvex RX sp 5512, uvex RX sp 5513					
	<b>Single vision</b>				
		Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Single vision Single vision HD		
	<b>Comfort lenses</b>				
		Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Nahcomfort Optima	min. 17 mm	
			Distanzcomfort Optima	min. 17 mm	
			Single vision Relax	min. 17 mm	
	<b>Varifocals</b>				
		Minimum PD ≥ 32.0 mm Fitting height ≥ centre of lens	Varifocal Pro Work	min. 20 mm	
			Varifocal Optima	min. 17 mm	
	Varifocal Pro Work    Varifocal Optima Varifocal Optima HD		Varifocal Optima HD	min. 16 mm	
	<b>Prescription range</b>				
uvex RX goggle		Important note	Lens type	Parameter for centering of the lenses	
Description				Specific height Box measure	
	<b>Single vision</b>				
		When using PC Minimum PD ≥ 32.0 mm  When using Trivex Minimum PD ≥ 34.0 mm	Single vision Single vision HD		
	<b>Varifocals</b>				
		When using PC Minimum PD ≥ 32.0 mm  When using Trivex Minimum PD ≥ 34.0 mm	Varifocal Pro Work	min. 20 mm	
			Varifocal Optima	min. 17 mm	
	Varifocal Pro Work    Varifocal Optima Varifocal Optima HD		Varifocal Optima HD	min. 16 mm	
	<b>Prescription range</b>				

- In order to ensure optimum vision, uvex only uses the special uvex anatomic sport glazing.  
The overview below provides information on the lens options for uvex RX sp frames and uvex RX goggle.  
Please also ensure the frame fits correctly.

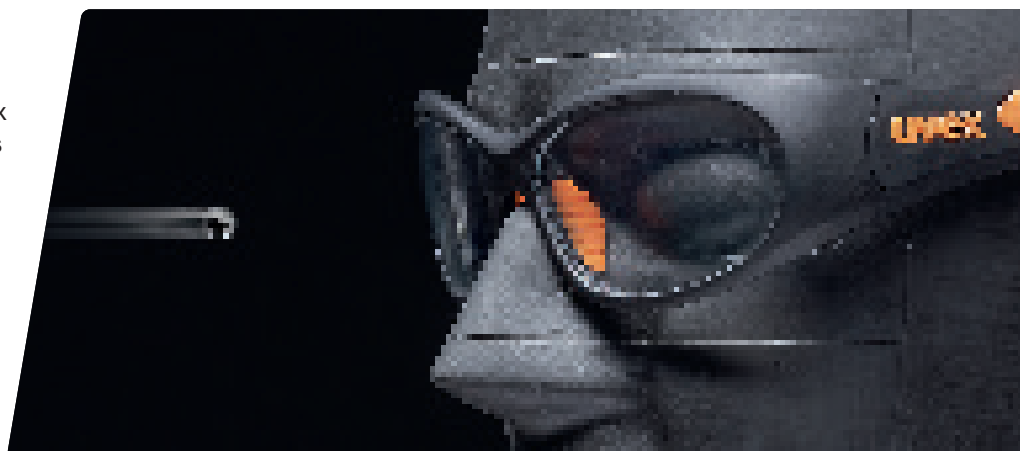
Material						Extras, optional					
CR 39	HI 1.6	Plastic HI 1.67	PC	Trivex		Normal AR	Multi AR	Super AR	UV blue protect	Tint	Variomatic brown
■	■	■	■	■		■	■	■	■	■	■
	incl. hard coating	incl. hard coating only available with SAR	incl. hard coating	incl. hard coating					only HI 1.67 or PC		only Polycarbonate or Trivex
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.	+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.	+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.	+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.	+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.							+ 5.0 to – 5.0 dpt. at maximum value cyl. ±2.0 dpt.
■	■	■	■	■		■	■	■	■	■	■
	incl. hard coating	incl. hard coating only available with SAR	incl. hard coating	incl. hard coating					only HI 1.67 or PC		only Polycarbonate or Trivex
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	—		■	■	■	only HI 1.67 or PC	—	—
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
■	■	■	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.							+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.
Material						Extras, optional					
CR 39	HI 1.6	HI 1.67	PC	Trivex		Normal AR	Multi AR	Super AR	UV blue protect	Tint	Variomatic brown
—	—	—	■	■		■	■	■	■	■	■
			incl. hard coating	incl. hard coating only available with SAR					only HI 1.67 or PC		only Polycarbonate or Trivex
—	—	—	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
—	—	—	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
—	—	—	■	■		■	■	■	only HI 1.67 or PC	■	only Polycarbonate or Trivex
			+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.							+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.

# Prescription safety spectacles

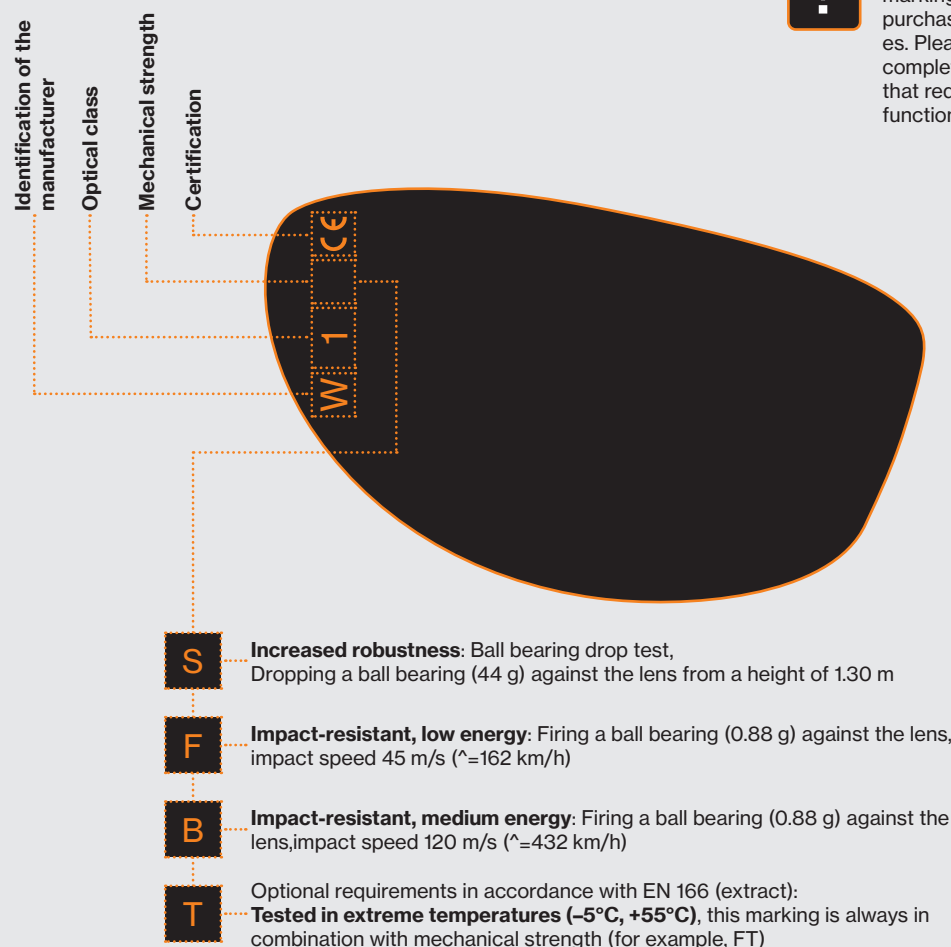
## Certification and marking

### Certification

Individually manufactured uvex prescription safety spectacles are tested and certified by independent testing institutes at regular intervals according to the requirements of EN 166.



### Marking of lenses in accordance with EN 166




**Note:** Due to the mandatory marking, it is not possible to purchase frames without lenses. Please do not modify the completed spectacles in a way that reduces their protective function.

# Prescription safety spectacles

## Certification and marking

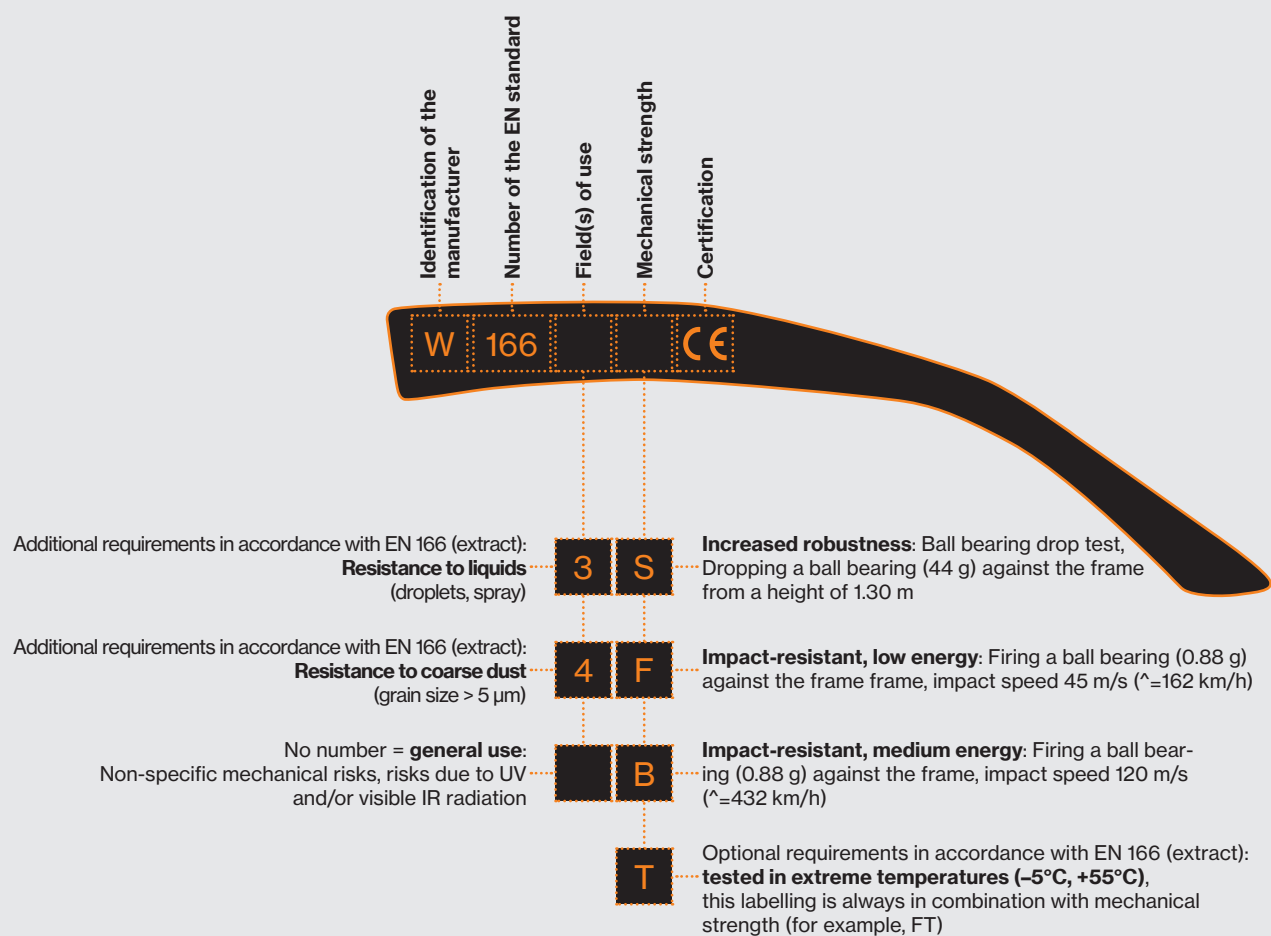
### Marking

- frame and lenses are permanently marked
- if the markings on the lens and frame are different, the lower mechanical strength applies to the entire eye protection device
- according to the PPE regulation, uvex prescription safety spectacles must be marked with the factory symbol and production date:  MM/YYYY



Marking in accordance with EN 166 on the lens and inside of the frame

### Marking of the frame in accordance with EN 166



# Prescription safety spectacles

## Focus types

### Single vision lenses

#### Single vision

- defective vision caused by long-sightedness or short-sightedness is corrected

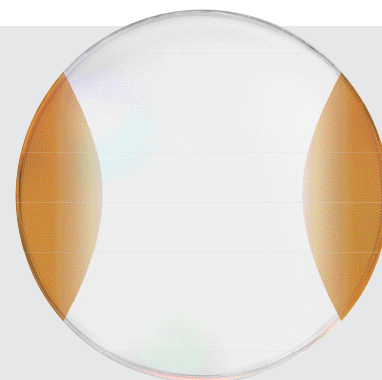
#### Single vision HD – the ultimate in customisation!

- free-form single-vision lens
- individual parameters such as cornea vertex distance, frame wrap angle and inclination are taken into account for production purposes.
- calculation of dioptries to an accuracy of one hundredth



### Comfort lenses

- ideal for use at workstations with monitors
- comfort lenses relieve the eye when looking at objects close up and at intermediate distances thanks to their seamless correction areas
- comfort lenses are a good alternative if the prescription safety eyewear is only needed at workstations and distance vision (> 5 m distance) is not necessary.



#### Nahcomfort Standard, Nahcomfort Optima

- perfect solution for working distances between 30 cm and approx. 2 m
- the medium range of the lens surface is determined by the degression chosen and is designed for a distance of approx. 60 cm to 80 cm
- three versions are available, depending on the required reading addition (optional based on the age of the wearer)
- all that is needed to place an order are details of the close-range values and the required design (type A, B, C)
- when ordering the Nahcomfort Optima option, the inner surface of the raw lenses is calculated and manufactured, taking into account the correction, the glass curve and the distance between the eyes

Type A	Type B	Type C
Degression** 0.75 dpt	Degression** 1.25 dpt	Degression** 1.75 dpt
< 50 years	50 to 55 years	> 55 years

\*\* Degression: Correction reduced, based on the close-range value!

#### Note:

Ideal for use in VDU spectacles. About 60% of degression is active at the centring cross, so the recommended adjustment applies on the main line of sight.

#### Distanzcomfort Optima

- perfect solution for working distances between 30 cm and around 1 m, 2 m or 4 m
- by specifying the viewing distance that is required at the workstation, the correction areas will be calculated individually
- all that is needed to place an order are details of the distance and close-range values (addition), the maximum viewing distance (one, two or four meters) as well as the centering parameters (pupillary distance and specific height)
- recommended adjustment: zero line of sight, distance values and addition

#### Single Vision Relax

- this type of lens is targeted at people over the age of 30
- an invisibly integrated change to the correction value of +0.5 dpt. in the lower area of the lens eases the strain on the eye when looking at near distances (accommodation support)
- the distance correction remains unchanged
- all that is needed to place an order the details of distance values and centring parameters (pupillary distance and specific height)
- we recommend Single Vision Relax lenses for professionals who use mobile devices (notebook, tablet, smartphone etc.) for their daily work

# Prescription safety spectacles

## Focus types



### Bifocal lenses

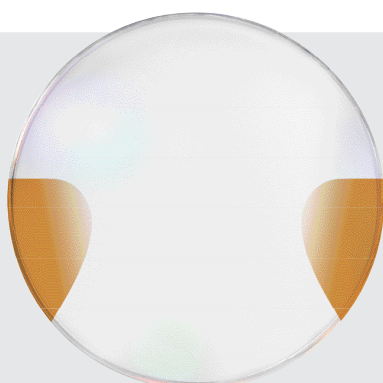
#### Bifocal

- visibly ground segment for near vision ('reading field')
- instant wearer acceptance as visible edge helps eyes to adjust
- intermediate ranges are not corrected



#### Bifocal Comfort

- free-form bifocal lens with a rounded, blended near-vision area for a more aesthetic appearance
- instant wearer acceptance due to soft transition to the near-vision area
- handled in the same way as conventional bifocal lenses
- intermediate ranges are not corrected

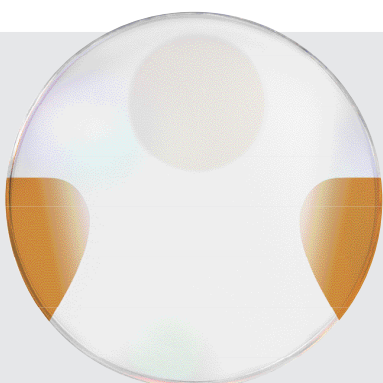


### Varifocal lenses

- gradual transition from distance to near vision, known as the progression zone
- the invisible progression zone also corrects intermediate distances
- clear vision at all viewing distances
- may require an initial adjustment phase

#### Varifocal Optima HD – the ultimate in customisation!

- free-form varifocal lens taking into account individual parameters such as cornea vertex distance, frame wrap angle and inclination
- calculation of dioptres to an accuracy of one hundredth

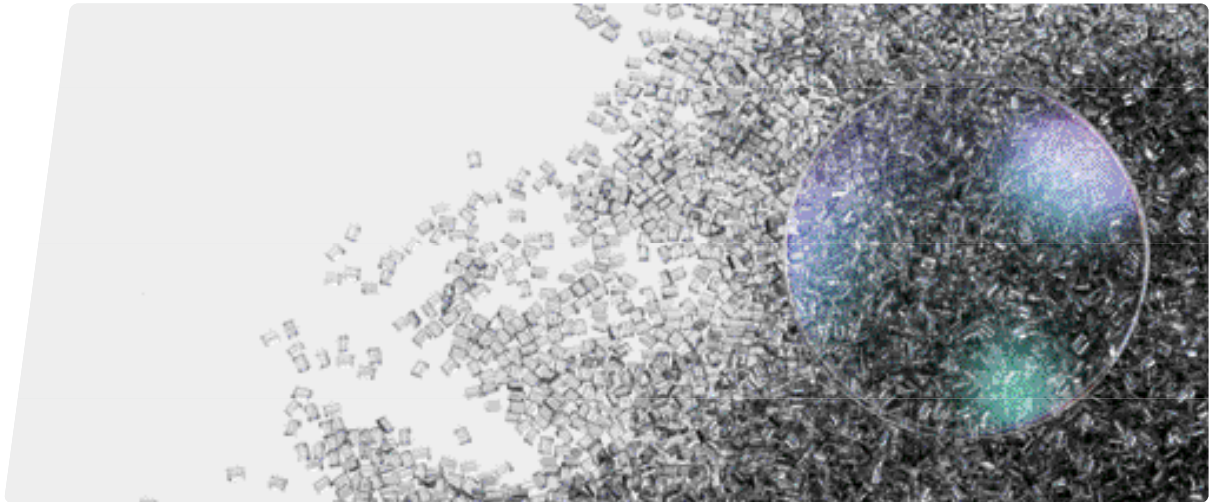


#### Varifocal OR

- free-form varifocal lens with a blended near-vision area in the upper section to make overhead work easier
- selection of the addition in the upper near-vision area (depending on the working distance)
- the addition in the upper near-vision segment depends on the addition in the progressive part of the lens
- the following can be selected:
  - type A: addition distribution: 100% bottom and 100% top
  - type B: addition distribution: 100% in the progressive near-vision area and 60% in the blended near-vision area
- type B example: addition: bottom 2.0 dpt. /top 1.2 dpt.

# Prescription safety spectacles

## Lens material



### Polycarbonate

- mechanical strength 'F' (45 m/sec)
- organic material with very high breaking strength
- only partially chemical-resistant
- PC+ – polycarbonate with increased centre thickness and mechanical strength 'B' (120 m/sec), especially for the uvex RX goggle

### Trivex™

- mechanical strength 'F' (45 m/sec)
- best all-round lens material
- excellent resistance to cleaning agents, oils and cosmetics and good scratch resistance
- lightweight, suitable for even higher prescription values

### CR39, modified (plastic)

- mechanical strength 'S' (ball drop test)
- lightweight organic material suitable for chemicals and painting
- good scratch resistance due to hard coating (optional)

### HI (high index)

Organic lenses with high refractive index – 1.6 or 1.67

- mechanical strength 'S' (ball drop test)
- organic material suitable for chemicals and painting
- the lens is thinner and more aesthetically pleasing

HI 1.6 recommended for a prescription > +/-4.0 dpt.

HI 1.67 recommended for a prescription > +/-6.0 dpt.

### Hard glass, modified

(crown glass, silicate, mineral glass, glass)

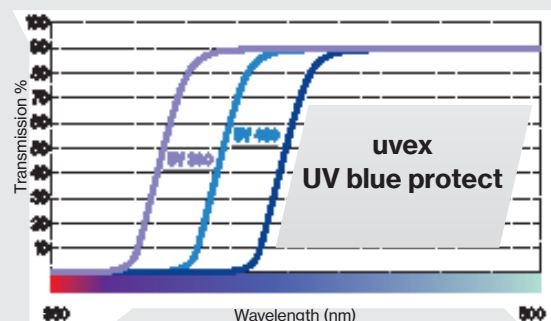
- mechanical strength 'S' (ball drop test)
- highly scratch-resistant surface suitable for working with chemicals and paints
- heavy, not recommended for prescription values greater than +/-4.0 dpt.
- spark penetration when welding or grinding

## UV blue protect

A special absorber has been added to the lens material that completely filters out UV rays and reduces the blue light content.

- the lenses absorb UV radiation up to 400 nm at 100%, filter short-wave blue light until 410 nm almost completely and reduce the range from 410 nm to 420 nm around 86%.
- uvex UV blue protect lenses enhance contrast and effectively prevent signs of fatigue and age-related macular degeneration (AMD)
- UV blue protect is optionally available for polycarbonate (PC) lenses and HI 1.67

- the mechanical strength of the lenses is guaranteed – clear lenses with UV blue protect are marked 2C-1.2 according to EN 170



# Prescription safety spectacles

## Finishes

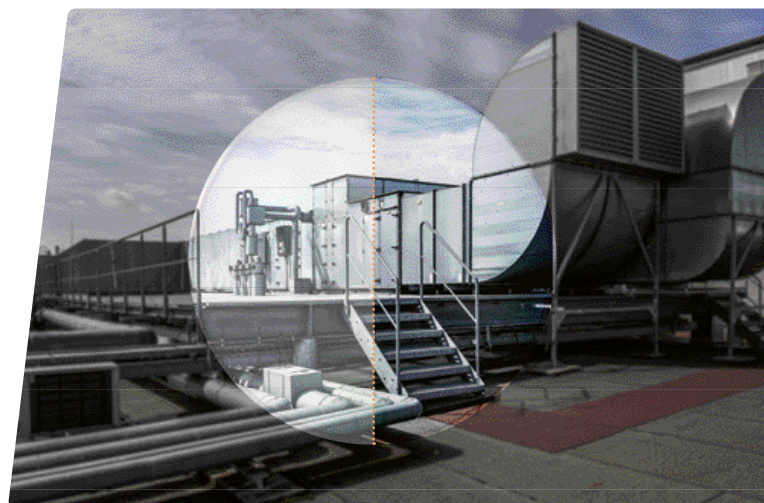
### Anti-reflective coating

Anti-reflective coating is applied to the inside and outside of lenses by means of vapour deposition. It significantly reduces reflections on the surfaces. It offers a cosmetic advantage and increases light transmission.

Three qualities are available:

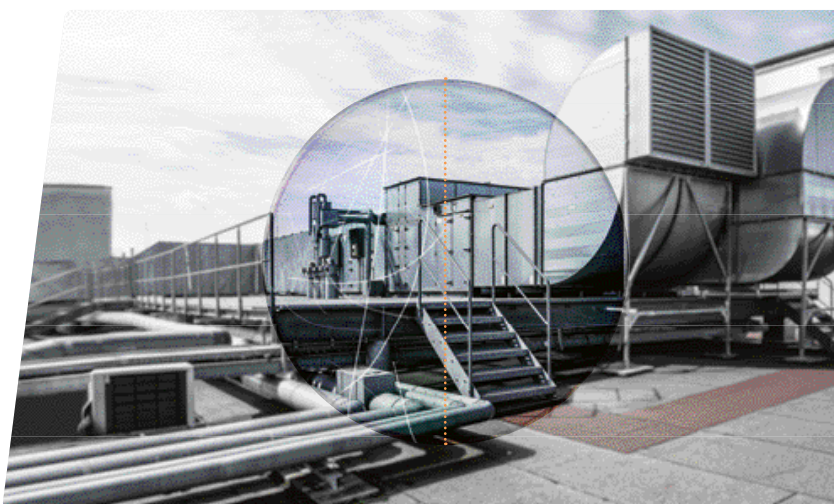
- normal anti-reflective coating
- multiple anti-reflective coating
- super anti-reflective coating

Normal anti-reflective coating	Super anti-reflective coating
Good reflection reduction	Maximum reflection reduction
Metal oxide is applied once to each surface	Metal oxide is applied several times to each surface
Residual reflection $\approx 4\%$	Residual reflection $< 2\%$



### Scratch-resistant coating

To guarantee an ideal surface hardness, all our plastic lenses are given a hard coating (optional for CR 39).



### Tint

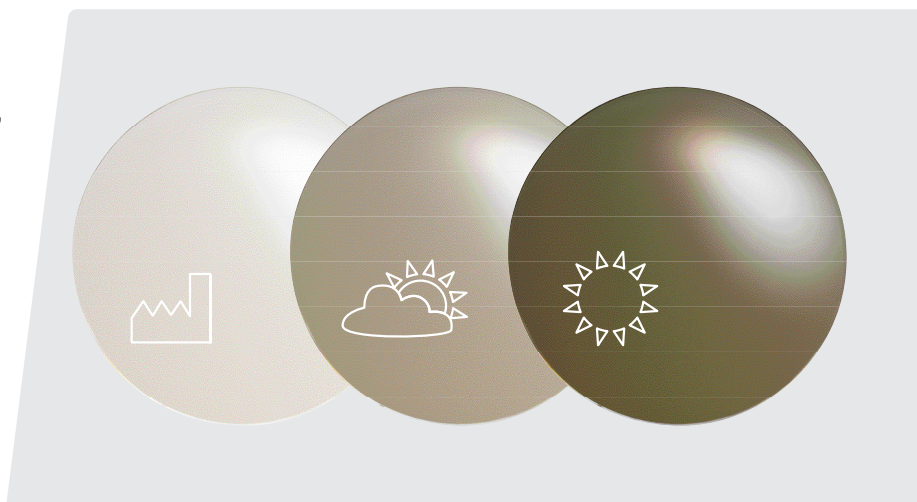
Tinted lenses provide effective protection against glare in areas with high light intensity (for example, sunlight)

#### Constant tinting

- available in brown and grey
- tinting levels: 15%, 25%, 65%, 75%

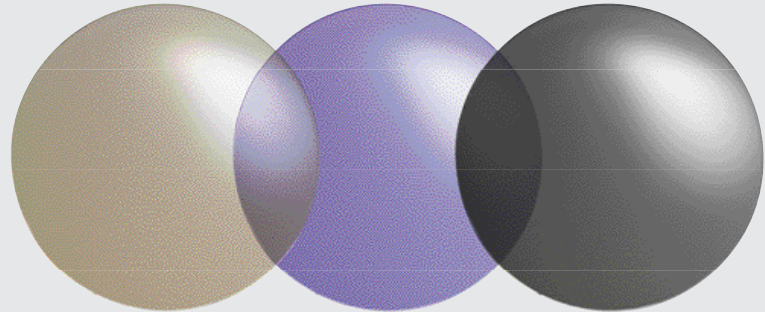
#### Variable tinting – Variomatic™

- lenses tint automatically depending on the UV radiation and temperature
- tinting of between approx. 8% and 80%, in brown
- available as prescription safety spectacles in polycarbonate and Trivex™



# Prescription safety spectacles

## Special lenses



Special lenses for special requirements are available in combination with our RX cd 5505 flip-up models. The flip-up is fitted with non-prescription special lenses. The main frame is fitted with individual prescription safety lenses

### Didymium

- special filter with high absorption at 589 nm, resulting in characteristic violet colour
- the 'bright yellow sodium flare' is filtered out
- lightweight polycarbonate filter with mechanical strength 'F' (45 m/s)
- level of protection 2-2 in accordance with EN 170
- marking: 2-2 W 1 F CE
- note: Didymium lenses do not provide increased protection against infrared radiation (IR)

Areas of application:

Glass production, glass processing, e.g. glass blowing

### X-ray protection

- mineral lenses that provide protection against X-rays
- the lead equivalent of the protective lenses is 0.75
- the lead content in the lenses gives them their characteristic grey colour (approx. 10% colouring)
- marking: Pbeq 0.75
- note: Protective X-ray lenses are not tested and marked in accordance with EN 166

Areas of application:

e.g. crack and material testing

### Welding protection

- welding protection level 5 in accordance with EN 169
- grey-tinted polycarbonate filters for reliable protection against UV and infrared radiation with mechanical strength 'F' (45 m/s)
- perfect colour perception during the welding process
- marking: 5 W 1 FTK CE
- note: Welding protection lenses do not provide sufficient protection against laser beams!

Areas of application:

Autogenous welding

### CBR65

- contrast enhancement – For better contrast and comfortable vision, even in diffused light
- Blue light reduction – Blue light is reduced by up to 50% in extremely bright workplaces
- Relaxed vision – Reduced eye fatigue, even during longer periods of use
- 65% transmission – Slight tint for optimal protection against glare for high visual standards even in extremely bright, artificial light as well as natural light
- lightweight polycarbonate filter with mechanical strength 'F' (45 m/s)
- marking: 5-1.4 W 1 FK CE

Areas of application:

Workplaces with high visual standards in very bright artificial light or natural light

### Polarisation filter

- polarising filters only let in radiation from one vibration direction – scattered radiation (e.g. reflection on the surface of water) is suppressed
- lightweight polycarbonate filter with mechanical strength 'F' (45 m/s)
- marking: 5-3.1 W 1 F CE

Areas of application:

- particularly suitable for workplaces with a high risk of glare and/or highly reflective surfaces
- offshore, maritime environment, construction industry

**uvex** academy

## Benefit from our knowledge

The uvex academy provides qualified education and training in the fields of personal protective equipment (PPE) and health and safety at work.

All uvex academy training sessions are offered in-house or as company seminars. Seminars in accordance with your individual specifications can be developed on request.



The uvex academy is  
**your competent partner**  
for qualified training and further education.





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