uvex

Prescription Safety Eyewear 2020

protecting people

uvex

SBU Occupational Health

Individual personal protective equipment (PPE)

Individual personal protective equipment (PPE) from uvex. More than just a standard solution.

The health of employees is of great importance for any company. uvex offers premium tailor-made solutions for protecting eyes, ears and feet, offering maximum safety for the whole team.

Decades of experience and innovative technologies form the basis for products that are manufactured in our facilities in Germany in accordance with the most stringent safety standards. Our individual personal protective equipment ensures that maximum levels of safety and comfort are provided.

At uvex, innovation is not just a word: it is an intrinsic part of the corporate strategy. Many external awards confirm our continued commitment to this strategy for the future.

The investment in award winning designs, state-of-the-art materials and technologies allows uvex to deliver scientifically based product solutions which not only protect and are comfortable but have features which increase fit and therefore, wearer acceptance.

uvex – an exceptional partner.

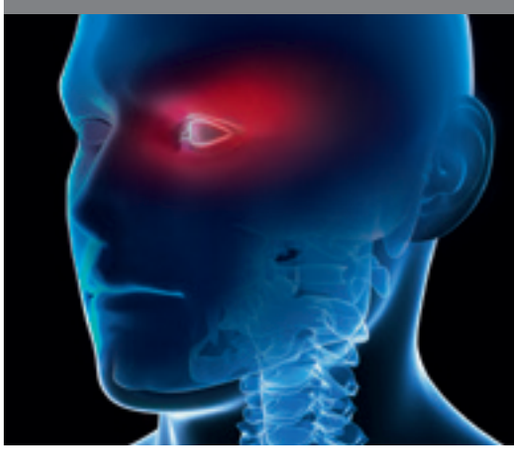
Certificates
- ISO 9001
- Ohris
- REACH

Awards

Individual PPE from uvex – employee health is worth it.

- Individual eye, ear and foot protection
- Innovative technologies and solutions
- First-class, certified product quality
- Development and manufacturing in Germany
- Adjustments carried out by qualified specialists

Optics

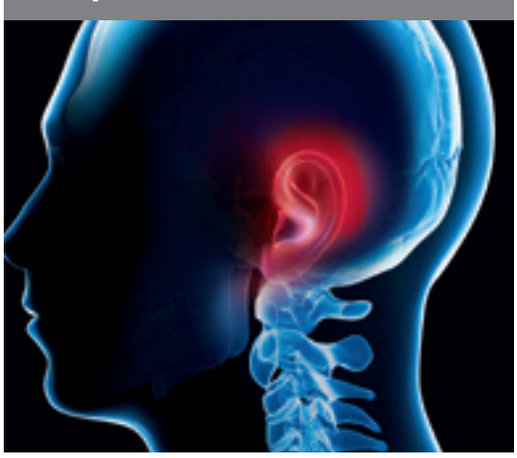


Individual eye protection from uvex

Prescription safety spectacles protect the eyes, and improve the wearer's vision. uvex offers individual prescription safety and VDU (visual display unit) 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

Otoplastics

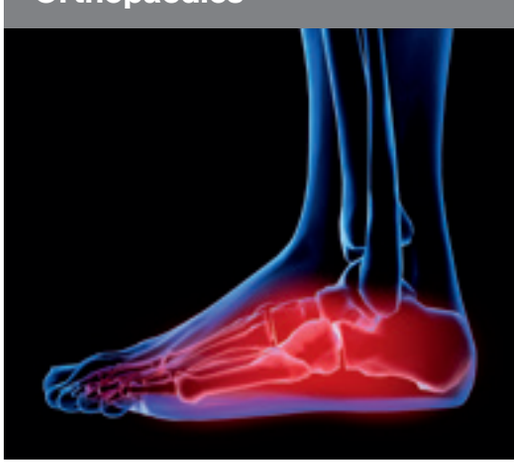


Individual hearing protection from uvex

Excessive noise in the workplace can lead to irreversible damage to hearing. Individually adapted uvex otoplastics fit perfectly, ensuring maximum wearer protection and comfort.

- Tailor-made hearing protection certified in accordance with EN 352
- A wide selection of filters, otoplastic shapes and materials ensures appropriate hearing protection is available for (virtually) all areas of application.
- Individual adjustments carried out by qualified specialists

Orthopaedics



Individual foot protection from uvex

Whether walking or standing still, safety footwear has to fit comfortably. uvex's orthopaedic foot protection is adapted to individual wearers' foot related medical conditions.

- Orthopaedic safety footwear certified in accordance with EN ISO 20345:2011
- For example, comfortable customised inserts and orthopaedic shoe adjustments
- A wide selection of suitable safety footwear
- Special footwear for extra wide feet and medical conditions (e.g. diabetes)
- Individual adjustments carried out by qualified orthopaedic specialists

uvex

SBU Occupational Health

uvex – a competent partner

uvex prides itself on its expertise and service delivery to the same high level as its products.

uvex offers an all-round professional service undertaking skilled risk assessments, through to the manufacture of individual safety products. The organisation is able to adapt its offer to meet the specific requirements of all companies.

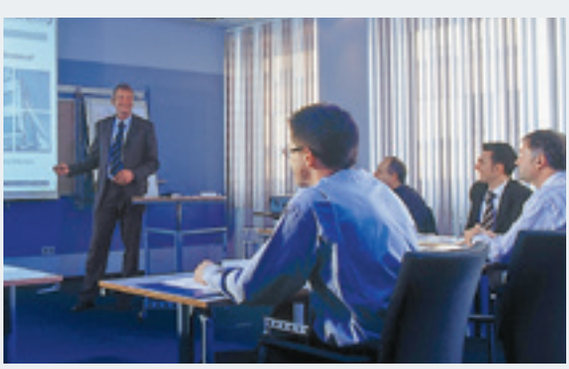
Technological expertise

Innovation „Made in Germany“

Whether it’s eye, ear or foot protection, the individual PPE 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.
- uvex hearing protection is individually moulded to the shape of the ear canal ensuring optimum protection and comfort.
- uvex’s customised safety footwear provides a solution for those with medical problems such as fallen arches, splay foot and flat feet.

Advisory expertise



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 such as opticians, acousticians and orthopaedic shoemakers.

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.

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

Our extensive network of highly qualified experts in optics, acoustics and orthopaedics ensures the availability of first-rate quality of care in your area.

Service expertise

Tailored to meet requirements

Our products are not the only part of our service that we can tailor make. To ensure the maximum efficiency of your organisation, we can arrange for our professionals to visit your organisation – early mornings, evenings or at night if required.

- On site product customisation on request
- Service network of specialists throughout Germany
- Highly qualified in-house specialists
- Professional flexible solutions that are specifically tailored to the individual needs of your company

Social responsibility

Sustainability guaranteed

uvex takes its social responsibility commitments seriously putting its environmental protection and social commitment at the forefront of its daily business.

- Sustainable manufacturing concept
- Avoidance of chemicals beyond the requirements of the EU REACH regulation (uvex's own banned hazardous substances list which goes beyond that of REACH)
- uvex social standard for all manufacturing plants
- Social commitment
  (e.g. Rainer Winter Foundation, Vision for the World)

vision
for the world

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

View everything
The uvex RX app makes product selection easier.

Prescription Safety Eyewear

uvex

Prescription safety spectacles

Basic collection plastic frames

5503 7415 54/17

5503 1300 50/17
5503 1300 54/17

uvex RX 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.	6109219	6109203	6109204
Ref. no.	5503 1300 50/17	5503 1300 54/17	5503 7415 54/17
Lens diameter	50 mm	54 mm	54 mm
Bridge width	17 mm	17 mm	17 mm
Colour	anthracite	anthracite	green, grey
Extras			metal arms with sprung hinges

5504 1525 55/20

5504 1300 55/20

uvex RX 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

5511 3000 49/20

5511 1500 49/20

uvex RX 5511

- Kevlar round frame with metal arms
- transparent side shields
- good fit with anatomically shaped nose bridge and easily adjustable earpieces

uvex RX 5511		
Art. no.	6108216	6108217
Ref. no.	5511 3000 49/20	5511 1500 49/20
Lens diameter	49 mm	49 mm
Bridge width	20 mm	20 mm
Colour	blue	grey
Extras	metal arms	metal arms

previously: uvex 9137 ceramic

Prescription safety spectacles

Basic collection plastic frames

5502 1725 56/15

5502 3525 56/15

5506 1725 56/18

uvex RX 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

uvex RX 5502		
Art. no.	6108215	6108202
Ref. no.	5502 1725 56/15	5502 3525 56/15
Lens diameter	56 mm	56 mm
Bridge width	15 mm	15 mm
Colour	grey	light blue

previously: uvex 9134 meteor

uvex RX 5506

- comfortable plastic frame
- side shields and integrated brow guard frame design
- good fit with anatomically shaped nose bridge

uvex RX 5506	
Art. no.	6109210
Ref. no.	5506 1725 56/18
Lens diameter	56 mm
Bridge width	18 mm
Colour	light grey, translucent

uvex

Prescription safety spectacles

Basic collection metal frames

5105 1800 50/20

uvex RX 5105

- metal frame with flat profile
- transparent side shields
- anatomically adjustable nose bridge and easily adjustable earpieces deliver exceptional fit

uvex RX 5105	
Art. no.	6109107
Ref. no.	5105 1800 50/20
Lens diameter	50 mm
Bridge width	20 mm
Colour	silver

previously: uvex 9253 silverstar

5106 1400 50/20
5106 1400 52/20

uvex RX 5106

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

uvex RX 5106		
Art. no.	6109108	6109109
Ref. no.	5106 1400 50/20	5106 1400 52/20
Lens diameter	50 mm	52 mm
Bridge width	20 mm	20 mm
Colour	gunmetal, matt	gunmetal, matt

previously: uvex 9254 greystar

5107 6200 47/20
5107 6200 49/20

uvex RX 5107

- metal frame with oval-shaped lenses
- transparent side shield
- anatomically adjustable nose bridge and easily adjustable earpieces delivers exceptional fit

uvex RX 5107		
Art. no.	6109110	6109111
Ref. no.	5107 6200 47/20	5107 6200 49/20
Lens diameter	47 mm	49 mm
Bridge width	20 mm	20 mm
Colour	antique gold	antique gold

previously: uvex 9154 starlet

5108 3400 54/19
5108 3400 56/19

uvex RX 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	6109113
Ref. no.	5108 3400 54/19	5108 3400 56/19
Lens diameter	54 mm	56 mm
Bridge width	19 mm	19 mm
Colour	steel blue	steel blue

previously: uvex 9155 mercury

Prescription safety spectacles

Basic collection metal frames

5102 1400 51/20
5102 1400 53/20

uvex RX 5102

- fashionable, aviator-style metal frame
- transparent side shields
- anatomically adjustable nose bridge and easily adjustable earpieces deliver exceptional fit

uvex RX 5102		
Art. no.	6109100	6109101
Ref. no.	5102 1400 51/20	5102 1400 53/20
Lens diameter	51 mm	53 mm
Bridge width	20 mm	20 mm
Colour	gunmetal, matt	gunmetal, matt

previously: uvex 9256 pilot

5103 1400 53/17
5103 1400 55/17

uvex RX 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.	6109104	6109105
Ref. no.	5103 1400 53/17	5103 1400 55/17
Lens diameter	53 mm	55 mm
Bridge width	17 mm	17 mm
Colour	gunmetal, matt	gunmetal, matt

5101 1018 54/17
5101 1018 56/17

uvex RX 5101

- classic design metal frame with double bridge
- side shields made of wire mesh for good air circulation
- anatomically adjustable, soft nose pads and easily adjustable earpieces deliver exceptional fit
- arms with sprung hinges and easily adjustable earpieces

uvex RX 5101		
Art. no.	6109102	6109103
Ref. no.	5101 1018 54/17	5101 1018 56/17
Lens diameter	54 mm	56 mm
Bridge width	17 mm	17 mm
Colour	black, silver	black, silver

5104 6054 56/21

uvex RX 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

uvex

uvex RX ti

Titanium frames

Titanium is a high-quality material used exclusively in the aerospace industry and medical technology. Titanium has been used in prescription frames since 1983.

Titanium is corrosion-resistant and does not provoke allergic reactions. With a specific density of 4.5 g/cm³, titanium is approximately half the weight of stainless steel.

- Extremely stable
- Low weight
- Allergy neutral
- Suitable for cold forming
- Provides excellent wearer comfort

Prescription safety spectacles

uvex RX ti

5900 1600 49/20

uvex RX ti 5900

- titanium frame with oval-shaped lenses
- transparent side shields
- frame is lightweight, allergy neutral and corrosion-resistant
- anatomically adjustable, soft nose pads and easily adjustable earpieces for exceptional fit

uvex RX ti 5900	
Art. no.	6109400
Ref. no.	5900 1600 49/20
Lens diameter	49 mm
Bridge width	20 mm
Colour	titanium blue

5901 1600 50/20

uvex RX ti 5901

- classic design titanium frame
- transparent side shields
- frame is lightweight, allergy neutral and corrosion-resistant
- anatomically adjustable, soft nose pads and easily adjustable earpieces for exceptional fit

uvex RX ti 5901	
Art. no.	6109401
Ref. no.	5901 1600 50/20
Lens diameter	50 mm
Bridge width	20 mm
Colour	titanium blue

5902 1600 52/19

uvex RX ti 5902

- thin lightweight titanium frame
- transparent side shields
- light, hypoallergenic pure titanium nose bridge and flexible arms made of beta-titanium
- anatomically adjustable, soft nose pads and easily adjustable earpieces for exceptional fit

uvex RX ti 5902	
Art. no.	6109402
Ref. no.	5902 1600 52/19
Lens diameter	52 mm
Bridge width	19 mm
Colour	titanium blue

previously: uvex RX ti 9248

uvex

Prescription safety spectacles

uvex RX cb

Thanks to the special shape and overall width of the uvex RX cb frames, they are ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples. The soft-form comfort ear pieces adjust to the wearer to ensure a non-slip fit.

uvex RX cb frames fulfil the requirements regarding field of vision (7.1.1) and side protection (7.2.8) in accordance with EN 166:2002 based on Asian headform 2M, as defined in DIS ISO 18526-4:2018.

Prescription safety spectacles

uvex RX cb

uvex RX cb 5580

6109232

- 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

uvex RX cb 5581

6109233

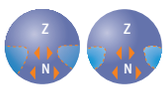
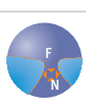
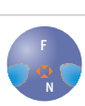
- plastic frame with extra wide temple width
- frame design with side shields and integrated brow guard
- easily adjustable, soft-form ear pieces for extra comfort
- ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- tested for use with Asian headform 2M, DIS ISO 18526-4:2018

uvex RX cb 5581	
Art. no.	6109233
Ref. no.	5581 1542 58/14
Lens	58 mm
Bridge width	14 mm
Colour	grey, dark red

uvex

Prescription safety spectacles

Lens options for plastic and metal frames in uvex basic collection models · uvex RX ti · uvex RX cb

Focus type		Lens type	Parameter for centering of the lenses
Description			**Specific height** Box measure
Single vision			
– Correction of visual defect in far, in-between or near distance		**Single vision, Single vision HD**	Single vision HD ≥ centre of lens Main line of sight
Certified prescription range			
Comfort lenses			
Nahcomfort – Version with expanded near vision – Ideal for workplace environments of 30 cm to approx. 2 m		**Nahcomfort Standard, Nahcomfort Optima** Versions see page 32	min. 17 mm Main line of sight
Distanzcomfort – Calculation of the individual correction for defined distances (1 m, 2 m or 4 m)		**Distanzcomfort Optima**	min. 17 mm Zero line of sight
Single vision Relax – To accommodate the prescription for the lower part of the lens, the prescription is increased by +0.5 of a diopter		**Single vision Relax**	min. 17 mm Zero line of sight
Certified prescription range			
Bifocals			
– Correction of visual defect in far and reading distance – Visible segment for near distance – Steplike change from far distance to near distance at the edge of segment – Instantly well-tolerated, visible edge of segment supports orientation		Width of segment: 28 mm, curved	
Certified prescription range			
Varifocals			
– Correction of visual defect in far, in-between and near distance – Gliding change from far distance to near distance (progressive canal) – The non-visible gliding zone corrects in-between distances		**Varifocal Standard** – Standard area for far distance and near distance – Long, narrow canal of progression	min. 23 mm Zero line of sight
		Varifocal Pro Work – Large area for far distance – Wide canal of progression – Optimized area for reading distance	min. 20 mm Zero line of sight
		Varifocal Piccolo – Suitable for flat frames – Large area for far distance and near distance – Shortened canal of progression	min. 17 mm Zero line of sight
		**Varifocal Top One** – Very comfortable, large long-distance and close-up field of vision – Wide canal of progression for added convenience – Minimal blur in peripheral vision	min. 19 mm Zero line of sight
		**Varifocal Optima, Varifocal Optima HD** – Individual adjusted multifocal lens of latest generation – Wide field of view for any distance – Improved design – Almost no blurred zones in periphere area >> Version HD see page 32	Optima min. 17 mm Optima HD min. 16 mm (depending on the corridor length) Zero line of sight
Certified prescription range			

▶ **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.**

▶ **Please take into account the specifications relating to the line of sight when determining the vision point.**

Material						Extras, optional					
Plastic					Silicate						
CR 39	HI 1.6	HI 1.67	PC	Trivex	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

uvex

Prescription safety spectacles

uvex RX cd

5518 1333 54/22

5518 1341 54/22

5518 5074 54/22

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 cd 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

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

* These frames fulfil the requirements regarding field of vision (7.1.1) and side protection (7.2.8) in accordance with EN 166:2002 based on Asian headform 2M, as defined in DIS ISO 18526-4:2018.

Prescription safety spectacles

uvex RX cd

5520 1333 54/18

5520 1344 54/18

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.	6109236*	6109245*
Ref. no.	5520 1333 54/18	5520 1344 54/18
Lens diameter	54 mm	54 mm
Bridge width	18 mm	18 mm
Colour	anthracite, blue	anthracite, pink

▶ Please note the glazing options for uvex RX cd on pages 24/25

uvex Comfort Slider
Art. no. 9958024
Order unit 1 PC
Contents 5 pairs

uvex mini LED light
Art. no. 9999100
Order unit 1 PC

uvex x-fit pro headband
Art. no. 9958023
Order quantity multiples 5 PC

Accessories for uvex x-fit pro non-prescription safety spectacles are compatible with uvex RX cd 5520 and can be purchased from the uvex online shop.
https://www.uvex-safety-shop.de/home

uvex

Prescription safety spectacles

uvex RX cd

5514 1033 53/18

5514 1045 55/18

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

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

5515 1347 51/17

5515 1371 53/17

5515 1342 57/17

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			
Art. no.	6109227	6109228*	6109229*
Ref. no.	5515 1347 51/17	5515 1371 53/17	5515 1342 57/17
Lens diameter	51 mm	53 mm	57 mm
Bridge width	17 mm	17 mm	17 mm
Colour	anthracite, coral	anthracite, petrol	anthracite, dark red

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

Prescription safety spectacles

uvex RX cd

5505 2900 55/19
5505 2900 57/19

5505 2126 55/19
5505 2126 57/19

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				
Art. no.	6109208	6109209	6109214	6109215
Ref. no.	5505 2900 55/19	5505 2900 57/19	5505 2126 55/19	5505 2126 57/19
Lens diameter	55 mm	57 mm	55 mm	57 mm
Bridge width	19 mm	19 mm	19 mm	19 mm
Colour	transparent	transparent	crystal, matt	crystal, matt

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

5505 9020 55/19
5505 9020 57/19

uvex RX cd 5505 plan PC SAR

- plastic frame with polycarbonate lenses for users who do not require a prescription
- non-prescription lenses with super anti-reflective coating – to minimise reflections on surfaces

uvex RX cd 5505 plan PC SAR		
Art. no.	6108208	6108209
Ref. no.	5505 9020 55/19	5505 9020 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	crystal, matt	crystal, matt
Configuration	flat polycarbonate lenses	flat polycarbonate lenses
	HC, SAR	HC, SAR
Order unit	PC	PC

5505 seal 55/19
5505 seal 57/19

5505 2126 55/19 with 5505 seal 55/19

5505 2900 57/19 with 5505 seal 57/19

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		
Art. no.	6118000	6118001
Ref. no.	5505 seal 55/19	5505 seal 57/19
Lens diameter	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	black	black
Compatible with	Art. no. 6108208	Art. no. 6108209
	Art. no. 6109208	Art. no. 6109209
	Art. no. 6109214	Art. no. 6109215
Order unit	PC	PC

uvex

Prescription safety spectacles

uvex RX cd 5505 flip-up – special versions

5505 9910 55/19
5505 9910 57/19

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 infrared radiation (IR)

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		
Lenses	violet PC, didymium	violet PC, didymium
Lens marking	2-2 W 1 F CE	2-2 W 1 F CE

5505 9975 55/19
5505 9975 57/19

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		
Lenses	Leaded mineral glass	Leaded mineral glass
Lens marking	Pbeq 0.75	Pbeq 0.75

Prescription safety spectacles

uvex RX cd 5505 flip-up – special versions

5505 9965 55/19
5505 9965 57/19

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

5505 9911 55/19
5505 9911 57/19

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

5505 9905 55/19
5505 9905 57/19

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	55 mm	57 mm
Bridge width	19 mm	19 mm
Colour	black, green	black, green
Features: flip-up		
Lens	PC grey, welding protection 5 uvex infradur plus	PC grey, welding protection 5 uvex infradur plus
Lens marking	5 W1 FTK CE	5 W1 FTK CE

uvex

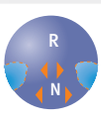
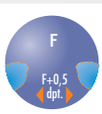
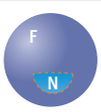
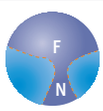
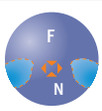
Prescription safety spectacles

Lens options for uvex RX cd

uvex RX cd 5505

uvex RX cd 5505 flip-up

uvex RX cd 5514

						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 Main line of sight
Prescription range							
Comfort lenses							
						**Nahcomfort Standard, Nahcomfort Optima** Versions see page 32	min. 17 mm Main line of sight
						Distanzcomfort Optima	min. 17 mm Zero line of sight
Nahcomfort Standard	Nahcomfort Optima	Distanzcomfort Optima	Single vision Relax			**Single vision Relax**	min. 17 mm Zero line of sight
Prescription range							
Bifocals							
						**Width of segment: 28 mm, curved**	
Prescription range							
Varifocals							
						**Varifocal Standard**	min. 23 mm Zero line of sight
						Varifocal Pro Work	min. 20 mm Zero line of sight
Varifocal Standard	Varifocal Pro Work	Varifocal Piccolo	Varifocal Top One	Varifocal Optima Varifocal Optima HD		**Varifocal Piccolo**	min. 17 mm Zero line of sight
						Varifocal Top One	min. 19 mm Zero line of sight
						Varifocal Optima	min. 17 mm Zero line of sight
						Varifocal Optima HD	min. 16 mm (depending on the corridor length) Zero line of sight
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.**

▶ **Please take into account the specifications relating to the line of sight when determining the vision point.**

uvex RX cd 5515

uvex RX cd 5518

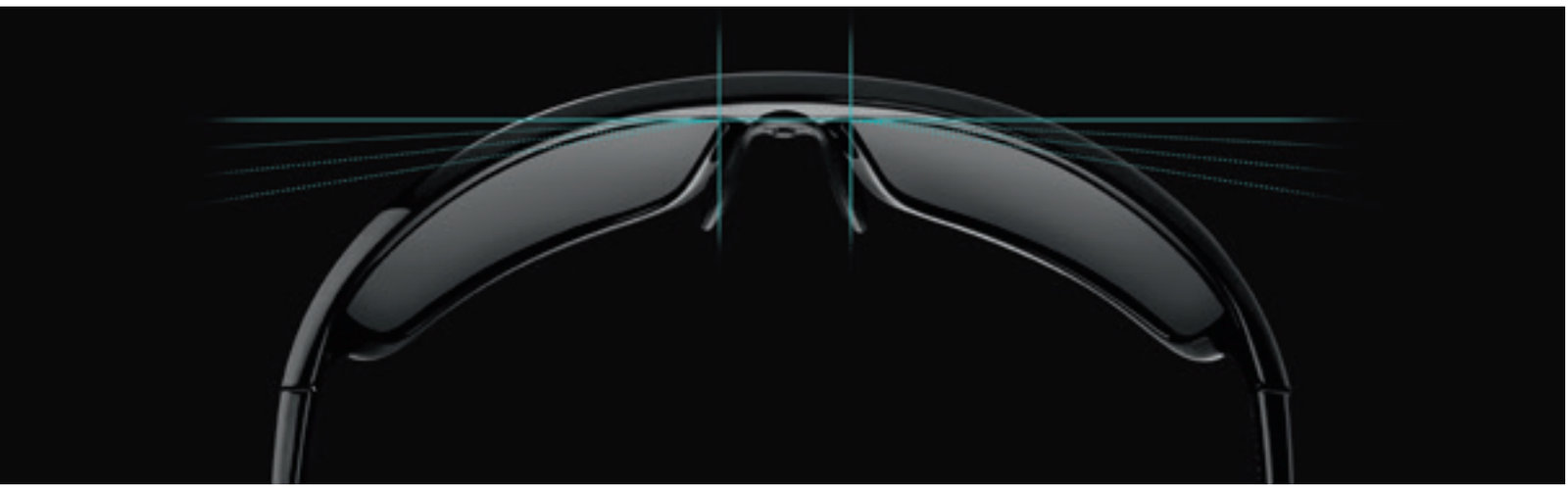
uvex RX cd 5520

	Material					Extras, optional					
	Plastic										
	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

uvex RX sp

Lifestyle at work



uvex RX sp frames

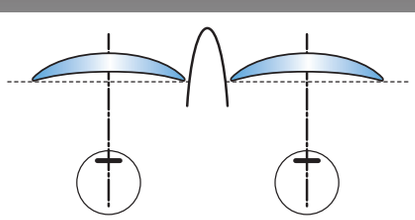
Make a statement with the uvex RX sp collection which stands out due to its sporty design and appealing frame colour combinations .
All protection functions are fully integrated into the frame design requiring no separate side guards which is commonly the case with conventional protective spectacles.

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.

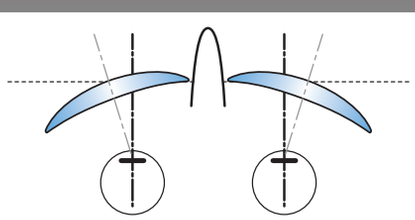
uvex anatomic sport lens

The stronger curve of the uvex RX sp frame positions the lenses at an angle straight in front of the eye. We only use the specially developed uvex anatomic sport glazing to deliver maximum optical clarity.

This means:
- that we only use lenses with a base curve identical to that of the frame.
- that prescription values need to be recalculated based on the tilted position of the lenses. This will be considered for 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.

uvex HD lenses

uvex HD lenses – maximum individuality

A number of individual parameters are taken into account in the manufacture of uvex HD lenses:

- individual prescription values
- centering parameters (pupillary distance, fitting height)
- base curve of the lenses and the frame
- face form-wrap and pantoscopic tilt
- corneal vertex distance

Special programs have been developed to map thousands of individual points on the inside of the lenses. The results are directly incorporated into the customised uvex optima HD lenses.

No greater customisation is possible.

uvex HD lenses are available in the single vision HD and varifocal Optima HD designs. uvex service opticians or your uvex optical consultant will determine the individual measurements for you.

Prescription safety spectacles

uvex RX sp

5512 5573 65/16

5512 1348 65/16

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		
Art. no.	6109220	6109221
Ref. no.	5512 5573 65/16	5512 1348 65/16
Lens diameter	65 mm	65 mm
Bridge width	16 mm	16 mm
Colour	brown, olive	anthracite, orange

uvex tight-fit-kit		
Art. no.	6118004	6118005
Design	uvex tight-fit-kit for uvex RX sp 5512	uvex tight-fit-kit for uvex RX sp 5512
Colour	brown, olive	anthracite, orange
Order unit	PC	PC

▶ Please note the glazing options for uvex RX sp on page 30/31

6118004

5512 5573 65/16 assembled with uvex tight-fit-kit 6118004

6118005

5512 1348 65/16 assembled with uvex tight-fit-kit 6118005

5513 1577 62/16

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	
Art. no.	6109222
Ref. no.	5513 1577 62/16
Lens diameter	62 mm
Bridge width	16 mm
Colour	grey, light green

▶ Please note the glazing options for uvex RX sp on pages 30/31

Prescription safety spectacles

uvex RX sp

5519 5573 56/21

5519 1371 56/21

uvex RX sp 5519

- plastic frame with sporty wrap-around design
- anatomically shaped, soft nose bridge
- side shields and integrated brow guard frame design
- specially-shaped frame edge provides protection against particles from below
- easily adjustable soft-form comfort ear pieces

uvex RX sp 5519		
Art. no.	6109223	6109224
Ref. no.	5519 5573 56/21	5519 1371 56/21
Lens diameter	56 mm	56 mm
Bridge width	21 mm	21 mm
Colour	brown, olive	anthracite, petrol

▶ Please note the glazing options for uvex RX sp on pages 30/31

5510 1217 62/17

5510 1248 62/17

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 30/31

uvex RX goggle

The first wide-vision goggles directly fitted with prescription lenses

Direct prescription lenses ensure perfect vision at all times.
uvex RX goggle: the first wide-vision goggles that can be directly fitted with prescription lenses. In contrast to standard prescription solutions with overspecs or prescription inserts, these goggles offer the best possible optical quality without optical aberrations and additional loss of light. The uvex RX goggle can therefore, be worn for extended periods with complete comfort.

Spectrophotometer measurements have shown that the transmission factor of the uvex RX goggle is up to 18% higher than safety goggles with prescription inserts or overspecs. The higher transmission level minimises the strain on eye muscles. This is further boosted by an additional anti-reflective coating on the prescription lenses.

Direct prescription lenses
Prescription safety lenses are inserted directly into the goggle frame according to the individual prescription strength.

Flexible headband clip
The flexible headband clip allows the goggle to adjust to different facial shapes for a customised fit. The comfortable fabric headband keeps the uvex RX goggle securely in place.

Sophisticated ventilation
Direct and indirect air vents ensure optimum protection and excellent ventilation for "eye zone" comfort.

Hygiene
The flexible TPU frame is easy to clean. These goggles can be kept clean and hygienic, even under heavy strains and in extreme conditions.

uvex RX goggle

uvex RX goggle	
Art. no.	6109500
Ref. no.	9500 1379 61/14
Lens	61 mm
Bridge width	14 mm
Colour	anthracite, lime

Safety eyewear case with pocket for regular spectacles included

▶ Please note the glazing options for uvex RX goggle on pages 30/31

PC+

uvex uses highly impact resistant polycarbonate and has also increased the thickness in the middle of the lens. To ensure the eyewear remains securely in place upon impact, the frame is equipped with a special shock absorbing nut and the lenses have been shaped to deflect objects.

As a result, these prescription safety spectacles are the first to ever achieve mechanical strength class B. The frame and lenses both bear the relevant labelling.
For testing mechanical strength "B" a metal ball is fired frontal and lateral against the spectacle with impact speed of 432 km/h. (Comparison EN 166: impact with medium energy, 120 m/sec)

Recommended applications

for uvex RX goggles with PC+:
Workplaces with high risk of mechanical hazards, such as reshaping metal-cuttings, turning, grinding and milling.
▶ Mechanical strength "B", 120 m/s

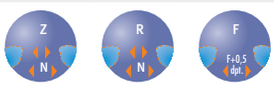
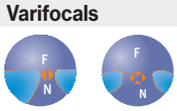
for uvex RX goggles with Trivex:
Workplaces with high risk of chemical hazards, such as laboratories and those handling small quantities of chemicals.
▶ Mechanical strength "F", 45 m/s

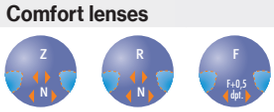
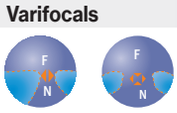
For further information on lens materials and models, information can be found on page 32-34

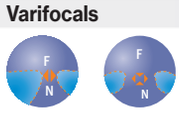
uvex

Prescription safety spectacles

Lens options for uvex RX sp models · Special lenses for uvex RX goggle

uvex RX sp 5519, uvex RX sp 5510		Important note	Lens type	Parameter for centering of the lenses
	Description			Specific height Box measure
	Single vision			
		for uvex RX sp 5510: **Minimum PD ≥ 32.0 mm** **Fitting height ≥ centre of lens**	**Single vision** **Single vision HD**	Main line of sight
	Comfort lenses			
	 Nahcomfort Optima · Distanz-comfort Optima · Single vision Relax	**for uvex RX sp 5510:** **Minimum PD ≥ 32.0 mm** **Fitting height ≥ centre of lens**	**Nahcomfort Optima**	min. 17 mm Main line of sight
			Distanzcomfort Optima	min. 17 mm Zero line of sight
			Single vision Relax	min. 17 mm Zero line of sight
	Varifocals			
	 Varifocal Pro Work · Varifocal Optima Varifocal Optima HD	**for uvex RX sp 5510:** **Minimum PD ≥ 32.0 mm** **Fitting height ≥ centre of lens**	**Varifocal Pro Work**	min. 20 mm Zero line of sight
			Varifocal Optima	min. 17 mm Zero line of sight
			Varifocal Optima HD	min. 16 mm Zero line of sight
	Prescription range			

uvex RX sp 5512, uvex RX sp 5513				
	Single vision			
		Minimum PD ≥ 32.0 mm **Fitting height ≥ centre of lens**	**Single vision** **Single vision HD**	Main line of sight
	Comfort lenses			
	 Nahcomfort Optima · Distanz-comfort Optima · Single vision Relax	**Minimum PD ≥ 32.0 mm** **Fitting height ≥ centre of lens**	**Nahcomfort Optima**	min. 17 mm Main line of sight
			Distanzcomfort Optima	min. 17 mm Zero line of sight
			Single vision Relax	min. 17 mm Zero line of sight
	Varifocals			
	 Varifocal Pro Work · Varifocal Optima Varifocal Optima HD	**Minimum PD ≥ 32.0 mm** **Fitting height ≥ centre of lens**	**Varifocal Pro Work**	min. 20 mm Zero line of sight
			Varifocal Optima	min. 17 mm Zero line of sight
			Varifocal Optima HD	min. 16 mm Zero line of sight
	Prescription range			

uvex RX goggle		Important note	Lens type	Parameter for centering of the lenses
	Description			Specific height Box measure
	Single vision			
		When using PC or PC+ **Minimum PD ≥ 32.0 mm** **When using Trivex** **Minimum PD ≥ 34.0 mm**	**Single vision** **Single vision HD**	Main line of sight
	Varifocals			
	 Varifocal Pro Work · Varifocal Optima Varifocal Optima HD	**When using PC or PC+** **Minimum PD ≥ 32.0 mm** **When using Trivex** **Minimum PD ≥ 34.0 mm**	**Varifocal Pro Work**	min. 20 mm Zero line of sight
			Varifocal Optima	min. 17 mm Zero line of sight
			Varifocal Optima HD	min. 16 mm Zero line of sight
	Prescription range			

▶ **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.**

▶ **Please take into account the specifications relating to the line of sight when determining the vision point.**

Material					Extras, optional					
Plastic										
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	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					
Plastic										
CR 39	HI 1.6	HI 1.67	PC/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
			+ 3.50 to – 3.50 dpt. at maximum value cyl. ±2.0 dpt.	+ 3.50 to – 3.50 dpt. at maximum value cyl. ±2.0 dpt.						+ 3.5 to – 3.5 dpt. at maximum value cyl. ±2.0 dpt.

uvex

Prescription safety spectacles

Focustypes

Single vision lenses

Single vision lenses correct long and short-sightedness.

Multi-focal lenses

In addition to correcting distance vision, multi-focal glasses correct long-sightedness and also correct intermediate distances, if applicable.
Multi-focal glasses are required when the eyes are no longer able to adjust easily due to the natural aging process. Small objects, just in front of the eye, are no longer clearly discerned (so-called agerelated long-sightedness, presbyopia).

Bifocal

Visibly ground segment for near vision (“reading field”)
Abrupt transition from distance to near vision at the edge of the segment
Instant wearer acceptance: distinct edge helps eyes to adjust
Intermediate ranges are not corrected

Multifocal

- Gradual transition from distance to near vision, known as progressive lenses
- Invisible progression also corrects in-between distances
- Clear vision at all viewing distances
- May require an initial phase of adjustment

uvex HD lenses

uvex HD lenses – maximum individuality

uvex optima prescription lenses in the so-called free-form design are produced specially for you. The inner surface of the raw lenses is calculated and produced taking into account your individual prescription, the glass curve and your eye measurements (distance between the eyes and fitting height).

Further individual parameters such as corneal vertex distance, face form-wrap and pantoscopic tilt are also taken into account. Special programs have been developed to map thousands of individual points on the inside of the lenses. The results are directly incorporated into the customised uvex optima HD lenses. Greater customisation is not possible.

uvex optima HD lenses are available in the single vision HD and varifocal Optima HD designs.

Selected optical associates or your uvex optical consultant will determine the individual measurements for you.

Comfort lenses

Comfort lenses are mainly used at computer workstations. Invisibly integrated correction areas ease the strain on the eyes when looking at near and intermediate distances (so-called accommodation support).
The visual requirements in many other working environments are also limited to areas, which are just in front of the eye up to a few meters away.
Comfort lenses are a good alternative, if the prescription safety spectacles are only used a workstations and distance vision (> 5 m distance) is mainly not necessary.

Nahcomfort Standard, Nahcomfort Optima

- Perfect solution for working distances between 30 cm and around 2 m
- The medium range of the lens surface is determined by the degression chosen and is designed for a distance of ca. 60 to 80 cm.
- Three versions available, depending on the required prescription for reading distance (addition) and 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 are 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

Distanzcomfort Optima

Perfect solution for working distances between 30 cm and around 1 m, 2 m or 4 m
By specifying the viewing distance, which 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 viewing distance (one, two or four metres) as well as the eye measurements (distance between the eyes and fitting height)

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 (so-called accommodation support).
- The distance correction remains unchanged
- All that is needed to place an order are details of the distance values and the eye measurements (distance between the eyes and fitting height)
- We recommend Single Vision Relax lenses for professionals, who use mobile devices (notebook, tablet, smartphone etc.) for their daily work.

Prescription safety spectacles

Lens materials · Anti-reflective coating · Tinting

Lens materials

Polycarbonate

Additional labelling: PC

- organic material with very high breaking strength
- only limited resistance to chemicals
- mechanical strength, class “F” (45 m/sec)
- PC+ – polycarbonate with increased centre thickness, specially for uvex RX goggle (see page 339)

Trivex™

- organic material with high breaking strength
- light weight, suitable for even higher prescription values
- excellent optical performance, even for higher prescription values
- excellent resistance to cleaning agents, oils and cosmetics
- good scratch resistance
- best all-round lens material
- mechanical strength, class “F” (45 m/sec)

CR39

Additional labelling: plastic

- Safety spectacles should always be modified otherwise the tensile strength is too low. The middle of the lens must be thicker in order to meet the requirements for tensile strength.
- light weight organic material
- very good optical performance even for high prescriptions
- suitable for working with chemicals and paints/varnishes
- good scratch resistance due to hard layer (optional)
- mechanical strength, class “S” (falling ball test)

HI (high index), organic lens materials with high refractive index

- organic lenses with a refractive index of 1.6 or 1.67 provide better vision (than CR 39)
- the lenses have the required optical efficacy if they comprise less material and the surface is less curved
- the lens is thinner and more aesthetically pleasing
- recommended for a prescription > +/-4.0 dpt.: HI 1.6 recommended for a prescription > +/-6.0 dpt.: HI 1.67
- mechanical strength, class “S” (falling ball test)

Hardened glass

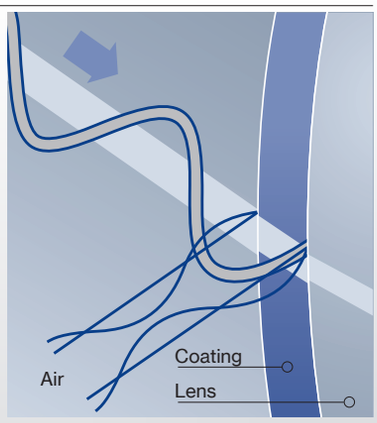
Additional labelling: silicate, mineral glass, glass
Safety spectacles should always be modified otherwise the tensile strength is too low. The tensile strength is increased through thermal or chemical hardening treatments.

- mechanical strength, class “S” (falling ball test)
- highly scratch-resistant surface
- suitable for working with chemicals and paints/varnishes
- heavy weight, not recommended for prescription values greater than +/-4.0 dpt
- spark penetration when welding or grinding
- implosion with liquid metals

Anti-reflective coating

Anti-reflective coating is applied to the inside and outside of lenses by vapour deposition. It significantly reduces reflections on the surfaces, as well as offering an aesthetic advantage and reducing light transmission.
3 qualities are available:

- Normal anti-reflective coating
- Multiple anti-reflective coating
- Super anti-reflective coating



Tinting

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%

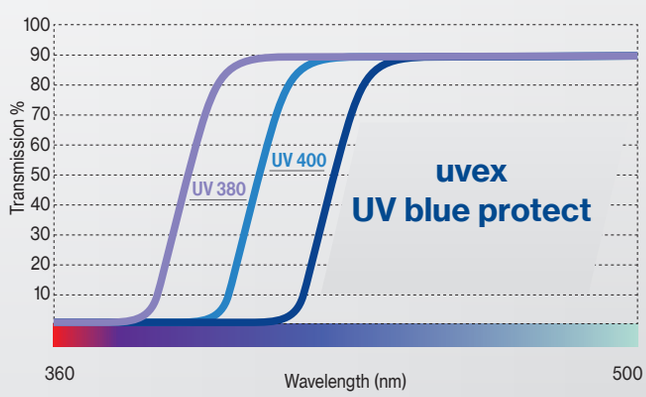
Variable tinting – Variomatic™

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

UV blue protect

Lens material with special absorber, which filters UV-radiation completely and reduces blue light.

- 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 around 86%
- uvex UV blue protect lenses are contrast enhancing and prevent eye fatigue and also prevent age-related macular degeneration (AMD)
- the mechanical strenght of the lenses is ensured, clear lenses with uvex UV blue protect will have the marking 2C-1,2
- uvex UV blue protect is optionally available for lens materials Polycarbonate (PC) and HI 1,67



uvex

Prescription safety spectacles

Certification and labelling

The frames and lenses of tailor-made prescription safety spectacles in accordance with European standard 166 must feature a permanent mark.

Independent testing institutes carry out certification of the materials at regular intervals.

Frames and lenses must be marked with the manufacturer's identification and the mechanical strength, and the lenses must also be marked with the optical quality class.

The different methods used to test mechanical strength vary according to the lens material. The test methods are defined under European standard EN 168.

If the mechanical strength level marked on the lens differs from that on the frame, the lower mechanical strength applies to the eye protection as a whole.

NB: due to marking requirements, it is not possible to purchase frames without lenses. Please do not modify any feature of the complete spectacles obtained from uvex as this may reduce their protective function.

Basic requirements in accordance with EN 166 (extract)

• Mechanical strength

Increased robustness	Impact resistance, low energy	Impact resistance, medium energy
Ball bearing drop test, Dropping a ball bearing (44 g) against the lens/ supporting frame from a height of 1.30 m	Firing a ball bearing (0.88 g) against the lens/supporting frame, Impact speed 45 m/s (≙ 162 km/h)	Firing a ball bearing (0.88 g) against the lens/supporting frame, Impact speed 120 m/s (432 km/h)
Identification class: S	Identification class: F	Identification class: B

Additional requirements in accordance with EN 166 (extract)

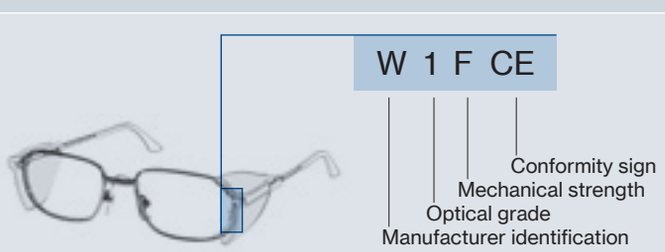
• Resistance to liquids (droplets and splashes)
Labelling: 3

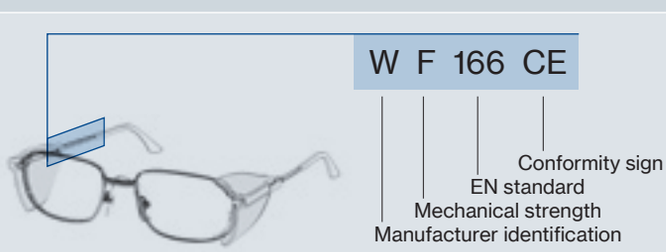
• Resistance to coarse dust (grain size > 5 µm)
Labelling: 4

Optional requirements in accordance with EN 166 (extract)

• Mechanical strength tested under extreme temperatures (+50°C and -5°C)
Labelling: T
This labelling is always in combination with mechanical strength (for example, FT).

Marking according to EN 166

Lens marking			
Manufacturer identification	Optical grade	Mechanical strength	
W = uvex	1	S = Increased robustness F = Low-energy impact (45 m/sec.) B = Medium-energy impact (120 m/s)	

Frames marking			
Manufacturer identification	Mechanical strength	Applicable EN standard	
W = uvex	S = Increased robustness F = Low-energy impact (45 m/sec.) B = Medium-energy impact (120 m/s)	166	

▶ "F" constitutes the highest mechanical strength class which a pair of spectacles can be allocated according to EN 166.

uvex i-3 add

Perfect vision in every situation

Optimum protective eyewear means improved, safe vision.
uvex i-3 add safety spectacles have invisible integrated dioptre correction for near vision. Strain on the eyes is effectively reduced (e.g. when reading) and the patented lens technology ensures an instant high level of compatibility for wearers. At the same time, the uvex i-3 add spectacles provide secure protection and optimal comfort.

Variable side arm inclination
The 5-position side arm inclination allows individual adjustment and optimum coverage of the eyes.

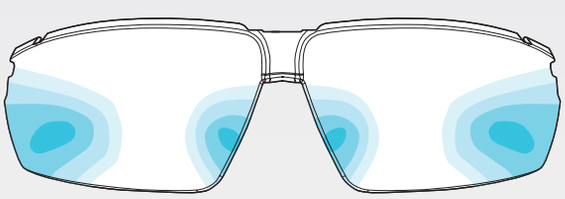
Addition
Two models are available for individualised correction of near vision.
(+1.0 dpt. and +2.0 dpt.)

Flexible nose loops
The extremely soft adjustable Softflex nose loops ensure a secure fit and can be individually adapted to sit comfortably on the nose.

uvex supravision excellence
The uvex supravision excellence coating guarantees extreme scratch resistance on the outside and permanent anti-fogging properties on the inside.

MADE IN GERMANY
Patent no.: DE 10 2012 207 384

Perfection in every detail
The patented lens technology makes it possible to integrate two progression zones for near vision on the inside of the duospherical single lens safety spectacles. The correction strength at the bottom of the lenses is +1.0 or +2.0, depending on the model. A distinctive feature and unique selling point is that the patented manufacturing technology means the front area and consequently the base curve of the lenses are not altered.
This combines extremely good coverage and fit, all the way to the edge, together with the benefits of a progressive lens on the inside area. A further benefit is that the progressive zone is not visible and that these spectacles comply with all standards of EN norms that are relevant to safety.



optical lens designed by optiswiss® original since 1937

Progression zones
This diagram of the lenses shows the large zone that does not feature any optical correction. The transparent, integrated optical correction starts in the region of the middle and the strength increases gradually towards the lower edge of the lenses. The correction strength of the spectacles is +1.0 or +2.0, depending on the model.
The free-form lens is manufactured in accordance with standard parameters and designed for a distance of approximately 64 mm between the eyes. These safety spectacles do not permanently replace prescription safety spectacles.

uvex i-3 add

	uvex i-3 add 1.0	uvex i-3 add 2.0
Art. no.	6108210	6108211
Frame	anthracite, lime	anthracite, lime
	W 166 FT CE 0196	W 166 FT CE 0196
Lens	PC clear	PC clear
	UV 400	UV 400
	2C-1.2 W 1 FTKN CE	2C-1.2 W 1 FTKN CE
	uvex supravision excellence	uvex supravision excellence
Strength	1.0 dpt.	2.0 dpt.
Order unit	PC	PC

Including soft spectacles case with microfibre cloth

uvex

CORRECTED. PROTECTED. PERFORM!

uvex sportstyle RX –
prescription sports eyewear

uvex-sports.com/rx

1.001.472/11.19/0.5/15 · Printed in Germany.
Rights of technical changes reserved. © 2019 – UVEX ARBEITSSCHUTZ GmbH

UVEX ARBEITSSCHUTZ GMBH
SBU Occupational Health

Siegelsdorfer Straße 1 - 3
90768 Fürth
Germany

Phone: +49 911 9736-1400
Fax: +49 911 9736-1679
E-mail: customerservice.sbu-oh@uvex.de

Internet: uvex-safety.com

protecting people