



Individual PPE



# 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



# SBU Occupational Health

uvex – a competent partner

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## 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



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### 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



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### 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

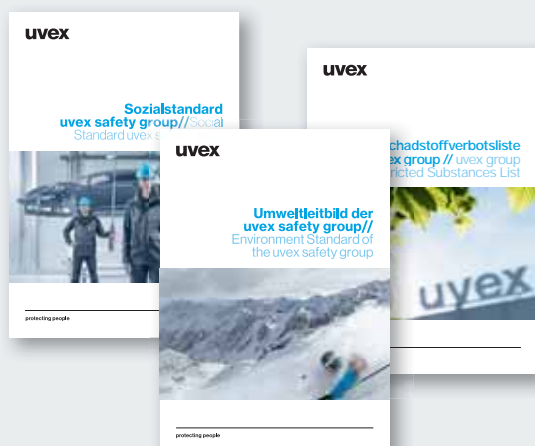


## Tailored to meet requirements

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.

### Realistic perspective

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

### 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.



[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 Eyewear



# 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			
<b>Art. no.</b>	6109219	6109203	6109204
<b>Ref. no.</b>	5503 1300 50/17	5503 1300 54/17	5503 7415 54/17
<b>Lens diameter</b>	50 mm	54 mm	54 mm
<b>Bridge width</b>	17 mm	17 mm	17 mm
<b>Colour</b>	anthracite	anthracite	green, grey
<b>Extras</b>			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		
<b>Art. no.</b>	6109206	6109207
<b>Ref. no.</b>	5504 1300 55/20	5504 1525 55/20
<b>Lens diameter</b>	55 mm	55 mm
<b>Bridge width</b>	20 mm	20 mm
<b>Colour</b>	anthracite	grey, translucent
<b>Extras</b>		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		
<b>Art. no.</b>	6108216	6108217
<b>Ref. no.</b>	5511 3000 49/20	5511 1500 49/20
<b>Lens diameter</b>	49 mm	49 mm
<b>Bridge width</b>	20 mm	20 mm
<b>Colour</b>	blue	grey
<b>Extras</b>	metal arms	metal arms

previously: uvex 9137 ceramic



# Prescription safety spectacles

Basic collection plastic frames



## 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



# Prescription safety spectacles

## Basic collection metal frames



5105 1800 50/20



5106 1400 50/20  
5106 1400 52/20

### 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

### 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



5108 3400 54/19  
5108 3400 56/19

### 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

### 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 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  $4.5 \text{ g/cm}^3$ , 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





# 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


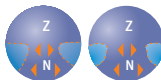








- plastic frame with extra wide temple width
- frame design with side shields and integrated brow guard
- easily adjustable, soft-form ear pieces for extra comfort
- ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- tested for use with Asian headform 2M, DIS ISO 18526-4:2018

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



# 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
<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 344	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 peripheral vision</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 344</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



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

► Please note the glazing options for uvex RX cd on page 334/335



5505 seal 55/19  
5505 seal 57/19



5505 2126 55/19 with 5505 seal 57/19



5505 2900 57/19 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



# Prescription safety spectacles

Special models · uvex RX cd



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			
<b>Art. no.</b>	6108208	6108209	
<b>Ref. no.</b>	5505 9020 55/19	5505 9020 57/19	
<b>Lens diameter</b>	55 mm	57 mm	
<b>Bridge width</b>	19 mm	19 mm	
<b>Colour</b>	crystal, matt	crystal, matt	
<b>Configuration</b>	flat polycarbonate lenses	flat polycarbonate lenses	
	HC, SAR	HC, SAR	



5505 9905 55/19  
5505 9905 57/19

## uvex RX cd 5505 flip-up

- close-fitting wraparound plastic frames
- new filter technology with grey-tinted lenses provides reliable protection against UV and infrared radiation as well as ensuring perfect colour recognition
- side shields and integrated brow guard for an exceptionally close fit
- solid coloured frame and side shields
- flip-up welding lenses with level 5 certified welding protection
- 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

Areas of application:

- welding

uvex RX cd 5505 flip-up			
<b>Art. no.</b>	6109218	6109235	
<b>Ref. no.</b>	5505 9905 55/19	5505 9905 57/19	
<b>Lens</b>	55 mm	57 mm	
<b>Bridge width</b>	19 mm	19 mm	
<b>Colour</b>	black, green	black, green	
<b>Lens (flip-up)</b>	PC grey, welding protection 5	PC grey, welding protection 5	
	uvex infradur plus	uvex infradur plus	

► Please note the glazing options for uvex RX cd on page 334/335.



# 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 334/335

\* 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



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 334/335



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 334/335



# Prescription safety spectacles












Lens options for uvex RX cd



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	Distanzcomfort Optima	Single vision Relax	
		Nahcomfort Standard, Nahcomfort Optima Versions see page 344	min. 17 mm	
		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	Varifocal Pro Work	Varifocal Piccolo	Varifocal Top One	Varifocal Optima
				Varifocal Optima HD
		Varifocal Standard	min. 23 mm	
		Varifocal Pro Work	min. 20 mm	
		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

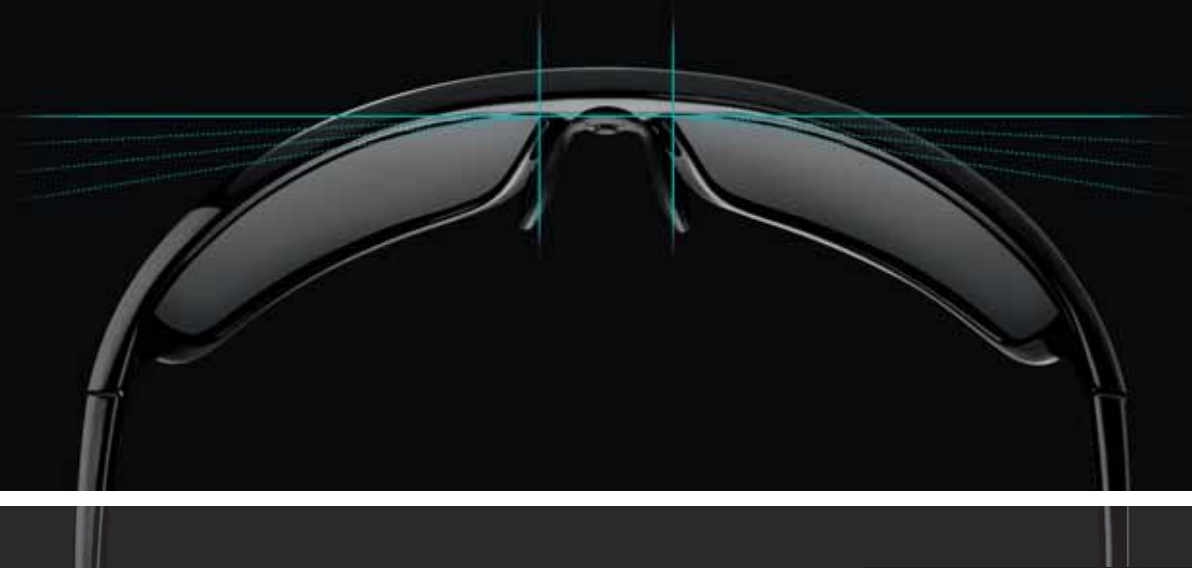
	Material					Extras, optional					
	CR 39	HI 1.6	HI 1.67	PC	Trivex	Normal AR	Multi AR	Super AR	UV blue protect	Tinting	Variomatic brown
	■	■	■	■	■	■	■	■	■	■	■
		incl. hard coating	incl. hard coating only available with SAR	incl. hard coating	incl. hard coating only available with SAR	only single vision	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

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.

### uvex HD lenses

#### uvex HD lenses – maximum individuality

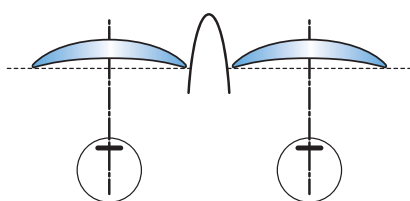
A number of individual parameters are taken into account in the manufacture of uvex HD lenses:

- 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

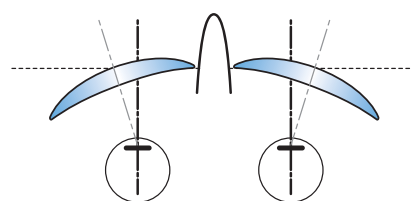
Special programs have been developed to map thousands of individual points on the inside of the lenses. The results are directly incorporated into the customised uvex optima HD lenses.

**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.



**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.

# 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

► Please note the glazing options for uvex RX sp on page 340/341.



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 340/341.



# Prescription safety spectacles

uvex RX sp



5519 5573 56/21



5519 1371 56/21



5510 1217 62/17



5510 1248 62/17

## 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		
<b>Art. no.</b>	6109223	6109224
<b>Ref. no.</b>	5519 5573 56/21	5519 1371 56/21
<b>Lens diameter</b>	56 mm	56 mm
<b>Bridge width</b>	21 mm	21 mm
<b>Colour</b>	brown, olive	anthracite, petrol

► Please note the glazing options for uvex RX sp on pages 340/341.

## 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		
<b>Art. no.</b>	6109216	6109217
<b>Ref. no.</b>	5510 1217 62/17	5510 1248 62/17
<b>Lens diameter</b>	62 mm	62 mm
<b>Bridge width</b>	17 mm	17 mm
<b>Colour</b>	matt black, light grey	matt black, orange

► Please note the glazing options for uvex RX sp on pages 340/341.

# 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 340/341.

## 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 344/346.

# 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	
	<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		Important note	Lens type	Parameter for centering of the lenses	
Description				Specific height Box measure	
	<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 or 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 or 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
			+ 3.50 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 RX gravity zero

## Rimless prescription safety spectacles

Safe sight made easy

The uvex RX gravity zero collection rimless prescription safety spectacles offer more than safety.



Rimless spectacles are extremely popular with many prescription spectacle wearers due to their light weight and an uninhibited field of vision. The uvex RX gravity zero collection was developed taking these characteristics into account.

Through special construction and the application of high-quality materials for the frame and lenses, uvex has succeeded in creating rimless spectacles which meet the standards for industrial eye protection.

The uvex RX gravity zero collection impresses with its exceptional lightness, an uninhibited field of vision and high mechanical stability.

The series of pictures shows the shot test in compliance with EN 166, carried out with uvex RX gravity zero 7101 (steel ball Ø 6 mm, velocity of impact 45 m/sec).



A slow motion film showing prescription safety spectacles on [uvex-safety.de](http://uvex-safety.de)

### Lens materials in comparison

We recommend the use of lenses made of Trivex for rimless prescription safety spectacles. Trivex is not only mechanically highly stable, it is also extremely light and chemical-resistant with excellent optical quality.

Trivex	1.1	1	F	+++	+++
Polycarbonate	1.2	1	F	+	not suitable
Highly refractive plastics HI 1.6/HI 1.67	1.33/1.4	1	S	++	++
CR-39, modified	1.3	1	S	++	not suitable
Hard glass	2.5	1	S	+++	not suitable

# Prescription safety spectacles

## uvex RX gravity zero



7101 1300 53/20



7102 1300 53/17

### uvex RX gravity zero 7101

- rimless prescription safety spectacles
- fashionable aviator-style lenses
- transparent side shields
- anatomically adjustable, soft nose pads deliver exceptional fit
- arms with sprung hinges and easily adjustable earpieces

uvex RX gravity zero 7101	
Art. no.	6109300
Ref. no.	7101 1300 53/20
Lens	53 mm
Bridge width	20 mm
Colour	anthracite

### uvex RX gravity zero 7102

- rimless prescription safety spectacles
- classic round lenses
- transparent side shields
- anatomically adjustable, soft nose pads deliver exceptional fit
- arms with sprung hinges and easily adjustable earpieces

uvex RX gravity zero 7102	
Art. no.	6109301
Ref. no.	7102 1300 53/17
Lens	53 mm
Bridge width	17 mm
Colour	anthracite



7103 1900 47/17



7104 1600 49/17

### uvex RX gravity zero 7103

- rimless prescription safety spectacles
- small, oval-shaped lenses
- transparent side shields
- anatomically adjustable, soft nose pads deliver exceptional fit
- arms with sprung hinges and easily adjustable earpieces

uvex RX gravity zero 7103	
Art. no.	6109302
Ref. no.	7103 1900 47/17
Lens	47 mm
Bridge width	17 mm
Colour	silver, matt

### uvex RX gravity zero 7104

- rimless prescription safety spectacles
- thin lenses
- transparent side shields
- anatomically adjustable, soft nose pads for exceptional fit
- arms with sprung hinges and easily adjustable earpieces

uvex RX gravity zero 7104	
Art. no.	6109303
Ref. no.	7104 1600 49/17
Lens	49 mm
Bridge width	17 mm
Colour	titanium

- Please note that the following limitations apply to lenses for uvex RX gravity zero:
- Correction range +4.0 to -6.0 dpt. at maximum value, cyl. +/-4.0 dpt.
  - Only available in the following lens materials: HI 1.6, HI 1.67 and Trivex
- For maximum impact resistance, uvex recommends Trivex lens material is used. Also, please ensure the frame fits correctly.



# 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 age-related 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 at 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 and therefore, not suited in combination with frameless safety spectacles
- 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

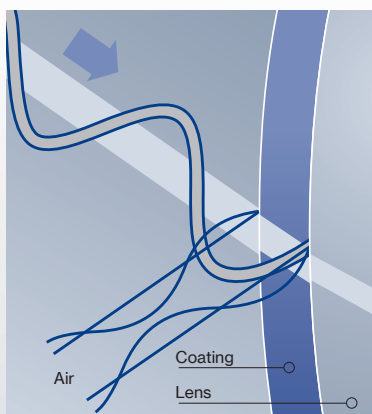
Additional labelling: silicate, mineral glass, glass

- 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



### 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 strength 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

### Tinting

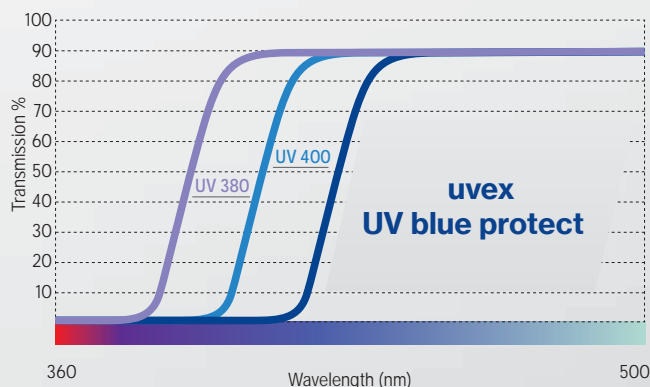
Tinted lenses provide effective protection against glare in areas with high light intensity (for example, sunlight).

#### 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





# 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 (Δ 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 = <b>uvex</b>	1	S = Increased robustness F = Low-energy impact (45 m/sec.) B = Medium-energy impact (120 m/s)	
<div>W 1 F CE</div> <div>Conformity sign</div> <div>Mechanical strength</div> <div>Optical grade</div> <div>Manufacturer identification</div>			

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

► "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 dioptr 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.

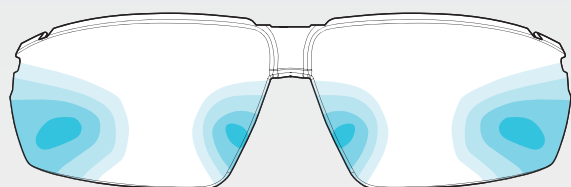
**MADE IN GERMANY**

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
<b>Art. no.</b>	6108210	6108211
<b>Frame</b>	anthracite, lime W 166 FT CE 0196	anthracite, lime W 166 FT CE 0196
<b>Lens</b>	PC clear UV 400 2C-1.2 W 1 FTKN CE	PC clear UV 400 2C-1.2 W 1 FTKN CE
<b>Strength</b>	uvex supravision excellence 1.0 dpt.	uvex supravision excellence 2.0 dpt.



Including soft spectacles case with microfiber cloth



# VDU spectacles

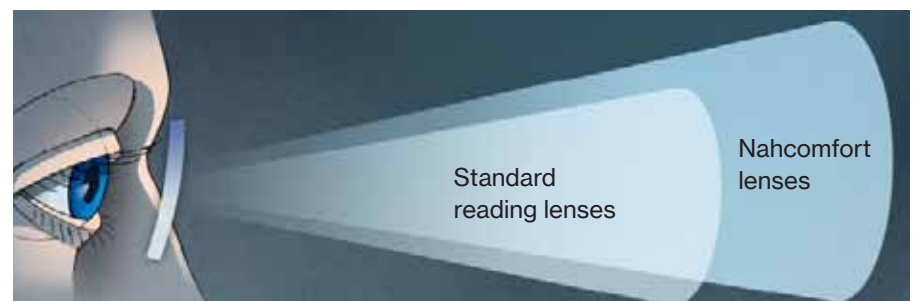
## Spectacle lens technology and body posture at VDU workstations

The positioning of screen, keyboard and reading materials at office workstations can cause vision related problems.

To be able to focus properly at different distances, spectacle wearers adopt an unnatural head position and body posture, which can lead to posture-related discomfort.

As you become older, it becomes increasingly difficult for the lens within the eye to adjust to various distances.

Working in front of a VDU or performing other activities that involve alternating between different distances frequently causes fatigue as a result of the constant strain to the eye.



The diagrams and explanations above outline the differences between the various lens options; the potential affect on the wearer and how the Nahcomfort overcomes many of the issues experienced by those working at a VDU or computer.

### Varifocal lenses

Varifocal lenses are designed to give the wearer focused vision from 40 cm onwards. However, to see the computer screen clearly through the middle and lower areas of the lense, the wearer has to change their normal head posture and hold their head at an unusually high angle. This can result in permanent straining of the shoulder and neck muscles.

### Single-vision lenses

Single-vision lenses, as used in standard reading glasses, enable the wearer to see clearly at a normal reading distance of between 30 cm and 40 cm, which is the ideal distance for keyboards or printed documents. However, if an employee also wishes to see the computer screen and the surrounding area clearly, it is necessary to lower the head and look over the top of the reading glasses. This unnatural head posture puts a severe strain on the shoulder and neck muscles.

### Nahcomfort lenses

Nahcomfort lenses are specially designed to suit computer-based workplaces and provide unrestricted vision at VDU workstations.

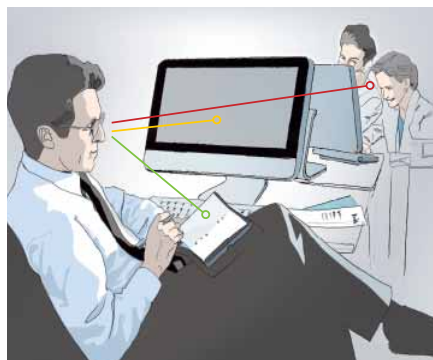
The advantages are:

- seamless focused vision from 30 cm to approx. 2 meters
- the head remains in an ideal position allowing keyboards, computer screens and work documents to be seen clearly
- a marked reduction of posture-related complaints, because the head and neck remain in a natural position

# VDU spectacles

## Nahcomfort lenses

Nahcomfort lenses are developed for those working in front of a computer monitor or undertaking work that requires frequently alternating between distances of approx. 40 cm and 3 m. The unique design facilitates unimpaired vision in the essential focal zones.



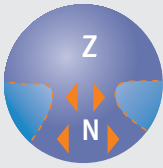

### Lens design

- The wearer's usual reading prescription is found in the lower part of the lens.
- The reading prescription gradually becomes weaker further up the lens; in the upper part of the lens, vision is clear at a maximum of approx. 3 m.
- The transitions between the different zones are smooth, similar to varifocal lenses.

### Advantages of Nahcomfort lenses

- seamlessly sharp vision at distances of approx. 30 cm to 2 m (the distance is a guideline and may vary depending on the prescription)
- a more comfortable field of vision in the individual zones in comparison with varifocal lenses
- a more natural head position is achieved at the work station, this helps to reduce posture-related complaints, such as tension in the neck muscles

### Lensmaterial/style

Nahcomfort Standard	Nahcomfort Optima
	
Choice of CR 39 or polycarbonate	Optimised design of the vision zones, very comfortable style, available in CR 39

### Lens type

When selecting the lens type, the wearer's required reading "addition" (reading prescription) and/or the "degression" (reduction of the reading prescription towards the top of the lens) is taken into account.

Alternatively, the age of the wearer can be used as a point of reference.



Please specify lens type, material and desired model with order.

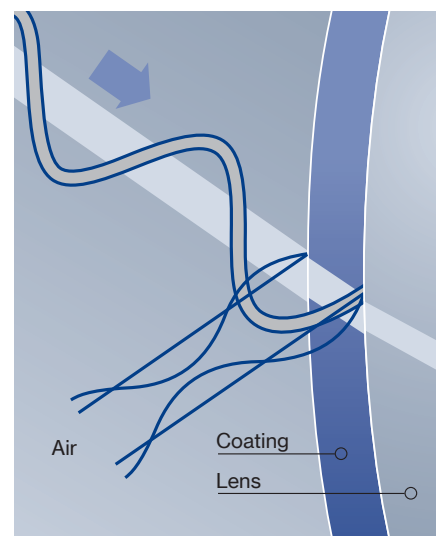
	Type A	Type B	Type C
Degression	0.75 dpt.	1.25 dpt.	1.75 dpt.
Addition	< 1.5 dpt.	1.75 to 2.25 dpt.	> 2.25 dpt.
– alternatively	Age < 50 years	Age 50 – 55 years	Age > 55 years

## Anti-reflection

We recommend anti-reflective lenses for work at a VDU. An anti-reflective metal oxide coating is applied, which ensures a significant reduction in reflections on the inner and outer sides of the lens.

This increases the light transparency of the lens and vision clarity is improved. Vision discomfort as a result of reflections is reduced.

Normal anti-reflective	Super anti-reflective
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 ≈ 4%	Residual reflection < 2%



## UV blue

The multi-layered surface of uvex UV blue includes a layer that provides enhanced filtration of short-wave visible light in the blue-violet range.

Providing effective protection against the symptoms of fatigue and headaches associated predominantly with long periods of working at a monitor and/or with digital media.

The uvex UV blue layer system also includes a super anti-reflective coating and a scratch-resistant coating.



# VDU spectacles

Metal frames



3111 1172 59/17



3114 1000 52/16



3115 4000 54/16



3116 5500 53/17



3117 1590 48/20



3118 7190 55/17

	uvex 3111	uvex 3114	uvex 3115	uvex 3116	uvex 3117	uvex 3118
<b>Art. no.</b>	6110049	6110052	6110053	6110054	6110055	6110056
<b>Ref. no.</b>	3111 1172 59/17	3114 1000 52/16	3115 4000 54/16	3116 5500 53/17	3117 1590 48/20	3118 7190 55/17
<b>Lens diameter</b>	59 mm	52 mm	54 mm	53 mm	48 mm	55 mm
<b>Bridge width</b>	17 mm	16 mm	16 mm	17 mm	20 mm	17 mm
<b>Colour</b>	black, khaki	black	bordeaux	brown	grey, vintage	petrol, vintage



# VDU spectacles

## Metal frames



3112 1233 54/17



3113 1000 53/18



3106 5100 50/20



3107 1000 55/17



3108 1400 54/18



3103 1400 50/20

	uvex 3112	uvex 3113 (previously 3104)	uvex 3106	uvex 3107	uvex 3108	uvex 3103 Half-moon spectacles
<b>Art. no.</b>	6110050	6110051	6110019	6110033	6110034	6110018
<b>Ref. no.</b>	3112 1233 54/17	3113 1000 53/18	3106 5100 50/20	3107 1000 55/17	3108 1400 54/18	3103 1400 50/20
<b>Lens diameter</b>	54 mm	53 mm	50 mm	55 mm	54 mm	50 mm
<b>Bridge width</b>	17 mm	18 mm	20 mm	17 mm	18 mm	20 mm
<b>Colour</b>	black, blue	black	maroon	black	gun	gun



# VDU spectacles

Plastic frames



3510 1025 52/17



3512 1341 52/18



3506 3329 55/16



3508 1000 54/18

	uvex 3510	uvex 3512	uvex 3506	uvex 3508
<b>Art. no.</b>	6110046	6110048	6110037	6110039
<b>Ref. no.</b>	3510 1025 52/17	3512 1341 52/18	3506 3329 55/16	3508 1000 54/18
<b>Lens diameter</b>	52 mm	52 mm	55 mm	54 mm
<b>Bridge width</b>	17 mm	18 mm	16 mm	18 mm
<b>Colour</b>	black, translucent	anthracite, red	blue, transparent	black

VDU spectacles  
Plastic frames



3513 3000 50/20



3514 5441 49/19



3515 5426 55/18

	uvex 3513	uvex 3514	uvex 3515
Art. no.	6110059	6110060	6110061
Ref. no.	3513 3000 50/20	3514 5441 49/19	3515 5426 55/18
Lens diameter	50 mm	49 mm	55 mm
Bridge width	20 mm	19 mm	18 mm
Colour	dark blue	havanna, red	havanna, matt



# VDU spectacles

Titanium frames · Nylon frames



3900 5500 53/16



2104 1900 54/18



3901 1400 56/17



2105 1174 52/17

	Titanium frames		Metal nylon frames	
	uvex 3900	uvex 3901	uvex 2104	uvex 2105
<b>Art. no.</b>	6110057	6110058	6110024	6110043
<b>Ref. no.</b>	3900 5500 53/16	3901 1400 56/17	2104 1900 54/18	2105 1174 52/17
<b>Lens diameter</b>	53 mm	56 mm	54 mm	52 mm
<b>Bridge width</b>	16 mm	17 mm	18 mm	17 mm
<b>Colour</b>	brown	gun	silver, matt	black, green



uvex high-fit



Innovative hearing protection. Measurably enhanced wearer comfort.

uvex i-gonomics stands for maximum functionality with first-class comfort: The innovative product system is perfectly adapted to the human physiognomy and is characterised by its high flexibility, low weight and optimal sound control. This tailor-made hearing protector ensures reliable protection – and is also extremely comfortable.

# uvex u-cut HC



**Proven further optimisation – for even greater wearer comfort**

The uvex u-cut HC otoplastic hearing protection provides a further noticeable boost to wearer comfort thanks to its innovative design and ensures an even better perception of sound without neglecting sound insulation. The otoplastic is even more flexible thanks to the opening in the ear canal area, and has also become even more lightweight. The residual volume in the ear canal has been significantly increased. This all results in unrivalled wearer comfort with the same high insulating performance.

## Relief-Index

# 4.27

The relief index is calculated using the mean value of the three index values (IV) for force, weight and temperature – ranging from 0 (= poor) to 5 (= perfect).

## weight 4.5

**Comfortable feel,  
greater wearer acceptance**

- Test method:  
Weighing of the otoplastics
- Test result:  
Weight = 1.2g



## force 4.3

**High flexibility, offsets  
jaw movements**

- Test method:  
Ear canal area  
push inwards 1mm
- Test result:  
Exertion = 0.9N



## clima 4.0

**Clear acoustics, good speech/  
signal comprehension**

- Test method:  
Sound with amplified  
residual ear canal volume
- Test result:  
Ear canal length = 2.6cm



## uvex high-fit

### Tailor-made hearing protection

Noise-induced hearing loss is still one of the most common occupational hazards. It generally develops painlessly and without warning and the risk to hearing and the importance of hearing protection are often recognised too late. Only those who suffer from hearing loss really understand just how essential a good sense of hearing is and that taking protecting it should be a top priority.

Permanent noise in the workplace creates stress, although employees may only be subconsciously aware of it. Stress situations represent an additional source of risk and can lead to a reduced ability to concentrate, which may result in increased personal risk and negatively effect productivity. uvex high-fit hearing protection products are tailor-made devices which are adapted to the auditory canal of the wearer. A perfect, pressure-free fit ensures the optimum level of comfort. Contact with the outer ear is limited, preventing irritation resulting from dust and sweat. A capillary tube ensures adequate ventilation of the auditory canal to relieve any pressure build-up or the risk of not hearing critical messages or instructions.

uvex high-fit otoplastics are equipped with a filter which can be selected according to the prevailing noise situation in the workplace.

All products and protection levels are tested and certified according to EN 352-2.

During a risk assessment carried out by a health and safety professional or external qualified provider, hearing protection products can be categorised as particularly well-suited to use in specific areas of application.

The classifications are defined as follows:

S – Signal hearing in rail track superstructure construction

V – Signal hearing in road traffic

W – Alarm signal hearing, general

E – Signal hearing for multiple-unit drivers and shunting train drivers in railway operations

E1 – very suitable, particularly for persons with impaired hearing.

E2 – suitable.

Information is supplied with individual products.



### Functional testing

In its prevention guideline on “The use of hearing protection otoplastics”, the DGUV (German Institute for Occupational Health and Safety) stipulates the health and safety control of devices within six months of delivery and regular checks at intervals of a maximum of three years in order to ensure the protective function of the otoplastics.

Link to prevention guideline:

**[www.dguv.de](http://www.dguv.de)**

To arrange the functional checks for your uvex high-fit otoplastics, please speak to your uvex contact directly.

**Phone: +49 (0)911 9736-1433**

**Fax: +49 (0)911 9736-1679**

**email: [high-fit@uvex.de](mailto:high-fit@uvex.de)**

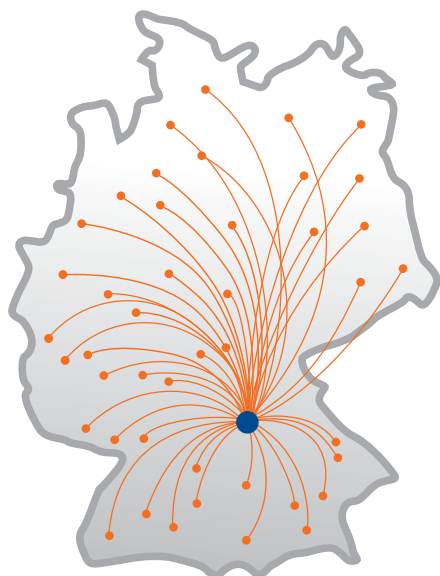
The new PPE Regulation (EU) 2016/425 classifies hearing protection in the highest protection category III. All uvex hearing protection products are subject to this risk category and protect against the risks of harmful noise. There is a duty to provide instruction to employees for products in this category. It is the employer's responsibility to instruct employees accordingly regarding the use of the product. We will be happy to assist you. Please contact your uvex representative regarding this.



## Partnership with uvex

### Summary of your benefits

- customised solution for each member of staff
- legal security based on certified products
- individual advice on products to suit the noise situation in the specific work area
- selection of otoplastic and filter materials adapted to suit the noise situation in the specific work area
- medical history and mould impressions taken locally by trained specialists
- training and information provided on the risks in the workplace
- extensive range of materials and filters
- after-sales service and functional testing offered



## Taking impressions in situ

The individual production of tailor-made otoplastics requires a mould of the auditory canal. uvex staff, or personnel authorised to take the mould impressions on behalf of uvex, have been specially trained by expert audiologists. Attendance at annual refresher courses incorporating a practical module is mandatory.

### Procedure for taking the impression:

- Medical history and information on hearing protection
- Otoscope examination of the auditory canal
- Applying the empty mould, filling the auditory canal with the impression substance
- Removing the mould
- Final otoscope check of auditory canal

With individually tailored product solutions, it is particularly important to offer customers an expert local adjustment service, capable of being available on-site as quickly as possible. In addition to personal on-site service by our specialists, uvex has expert partners throughout Germany in acoustic hearing aid clinics to ensure a flexible service.

There are many ways to obtain uvex high-fit hearing protection. We are happy to help in determining the perfect solution for your company. Please contact us.

**Phone:** +49 (0)911 9736-1433

**Fax:** +49 (0)911 9736-1679

**email:** [high-fit@uvex.de](mailto:high-fit@uvex.de)



uvex high-fit  
Industrial otoplastics



uvex high-fit u-cut HC

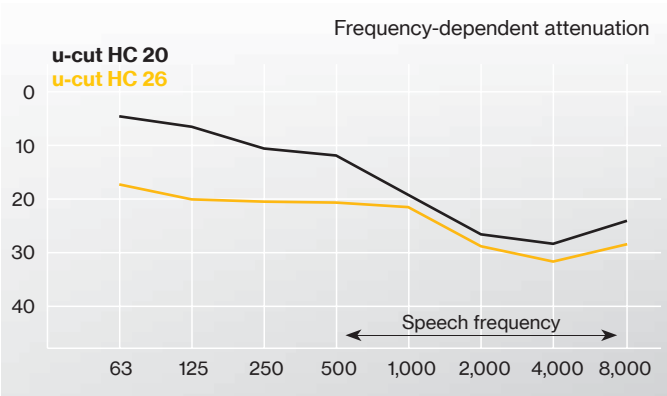
- half-concha custom otoplastic design
- soft silicone material (dermatologically tested)
- removable otoplastics for the auditory canal offer maximum flexibility; can also compensate for strong jaw movement
- thanks to its unique design, this otoplastic is softer, lighter and more flexible in the auditory canal and on the ear concha for maximum wearer comfort
- with anti-bacterial nano-coating

Areas of application:

- for use in any high-temperature area and by persons with pressure-sensitive ears

uvex high-fit u-cut HC		
Art. no.	6170720	6170726
Standard	EN 352	EN 352
		S, W, E <sub>2</sub>
SNR	20 dB	26 dB
Colour	transparent	transparent

► We will be happy to change the filter element for you if and when necessary.



uvex high-fit u-cut HC 20 (black filter element)								
SNR 23 dB – H 25 dB M 17 dB L 12 dB								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	8.8	10.1	13.1	16.3	23.0	29.7	32.5	28.9
SD / dB	4.3	3.7	2.6	4.5	3.9	3.1	4.3	4.9
APV / dB	4.5	6.4	10.5	11.8	19.1	26.6	28.2	24.0

uvex high-fit u-cut HC 26 (yellow filter element)								
SNR 26 dB – H 25 dB M 23 dB L 21 dB						Classification: S, W, -, E <sub>2</sub>		
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	23.9	25.1	24.6	25.4	25.9	32.7	36.1	32.3
SD / dB	6.7	5.1	4.3	4.8	4.5	3.8	4.4	3.9
APV / dB	17.2	20.0	20.3	20.6	21.4	28.9	31.7	28.4



## uvex high-fit Industrial otoplastics



6170703  
6170704

### uvex high-fit u-cut HC

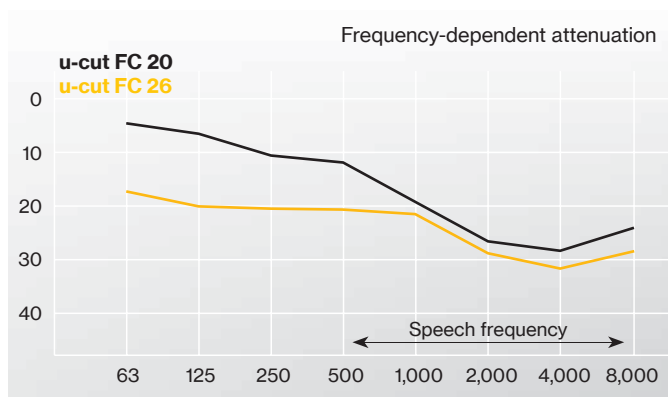
- full-concha custom otoplastic design
- soft silicone material (dermatologically tested)
- removable otoplastics for the auditory canal offer maximum flexibility; can also compensate for strong jaw movement
- thanks to its unique design, this otoplastic is softer, lighter and more flexible in the auditory canal and on the ear concha for maximum wearer comfort
- with anti-bacterial nano-coating

Areas of application:

- for use in any high-temperature area and by persons with pressure-sensitive ears

uvex high-fit u-cut HC		
Art. no.	6170703	6170704
Standard	EN 352	EN 352
		S, W, E <sub>2</sub>
SNR	20 dB	26 dB
Colour	transparent	transparent

► We will be happy to change the filter element for you if and when necessary.



uvex high-fit u-cut FC 20 (black filter element)								
SNR 20 dB – H 25 dB M 17 dB L 12 dB								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	8.8	10.1	13.1	16.3	23.0	29.7	32.5	28.9
SD / dB	4.3	3.7	2.6	4.5	3.9	3.1	4.3	4.9
APV / dB	4.5	6.4	10.5	11.8	19.1	26.6	28.2	24.0

uvex high-fit u-cut FC 26 (yellow filter element)								
SNR 26 dB – H 28 dB M 23 dB L 21 dB						Classification: S, W, -, E <sub>2</sub>		
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	23.9	25.1	24.6	25.4	25.9	32.7	36.1	32.3
SD / dB	6.7	5.1	4.3	4.8	4.5	3.8	4.4	3.9
APV / dB	17.2	20.0	20.3	20.6	21.4	28.9	31.7	28.4

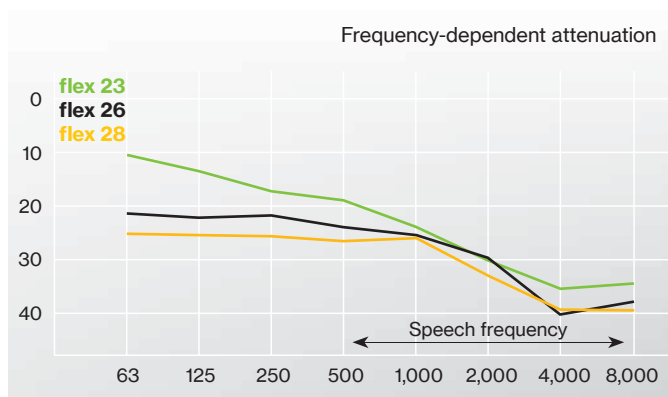


## uvex high-fit

### Industrial otoplastics



6170023  
6170026  
6170028



## uvex high-fit flex · uvex high-fit flex detec

- otoplastic hearing protection individually adjusted to the ear canal
- best possible protection due to the perfect fit and a high level of wearer acceptance
- available in different filter strengths
- high level of wearer comfort with soft silicone material
- easy handling with comfortable grip
- antibacterial nano-coating
- detectable variants with a metal ball bearing and a detectable blue cord to ensure they can be found by metal detectors.

uvex high-fit flex			
Art. no.	6170023	6170026	6170028
Standard	EN 352-2	EN 352-2	EN 352-2
SNR	23 dB	26 dB	28 dB
Colour	transparent	transparent	transparent

uvex high-fit flex detec			
Art. no.	6170423	6170426	6170428
Standard	EN 352-2	EN 352-2	EN 352-2
SNR	23 dB	26 dB	28 dB
Colour	transparent	transparent	transparent
Special feature	detectable	detectable	detectable

- We will be happy to change the filter element for you if and when necessary.

### uvex high-fit flex 23 (green filter element)

SNR 23 dB – H 27 dB M 19 dB L 15 dB

f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	10.5	13.7	17.2	19.0	23.9	30.5	35.6	34.4
SD / dB	5.2	3.9	3.4	4.0	4.1	2.7	3.8	4.9
APV / dB	5.3	9.8	13.8	15.0	19.8	27.8	31.8	29.5

### uvex high-fit flex 26 (black filter element)

SNR 26 dB – H 28 dB M 23 dB L 20 dB

Classification: S, W, ---, E<sub>2</sub>

f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	21.3	22.1	21.8	24.0	25.4	29.8	40.2	37.9
SD / dB	5.8	4.9	3.1	3.7	2.3	4.0	2.6	6.2
APV / dB	15.5	17.2	18.7	20.3	23.1	25.8	37.6	31.7

### uvex high-fit flex 28 (yellow filter element)

SNR 28 dB – H 29 dB M 24 dB L 22 dB

Classification: S, W, ---, E<sub>1</sub>

f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	25.2	25.4	25.7	26.6	26.0	33.0	39.3	39.4
SD / dB	5.2	4.4	4.7	4.2	3.5	3.4	2.9	5.5
APV / dB	20.0	21.0	21.0	22.4	22.5	29.6	36.4	33.9

# uvex high-fit

## Industrial otoplastics



6170223  
6170227  
6170228  
6170231

### uvex high-fit flex LS

- otoplastic hearing protection individually adjusted to the ear canal with laser-produced stainless steel filter
- best possible protection due to the perfect fit and high a level of wearer acceptance
- available in different filter strengths
- high level of wearer comfort with soft silicone material
- easy handling with comfortable grip
- antibacterial nano-coating

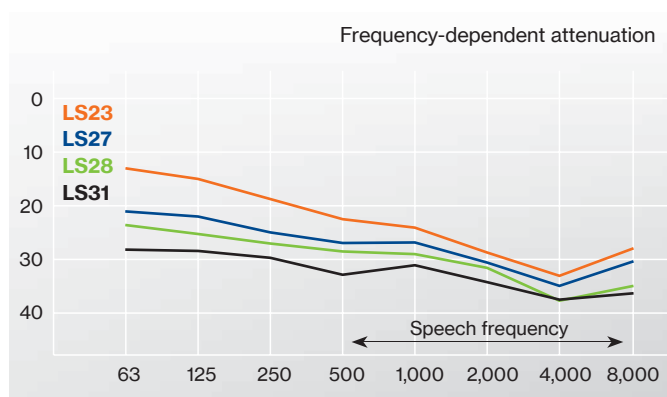
uvex high-fit flex LS				
Art. no.	6170223	6170227	6170228	6170231
Standard	EN 352-2	EN 352-2	EN 352-2	EN 352-2
	W	S, W, V, E <sub>2</sub>	S, W, V, E <sub>1</sub>	S, W, V, E <sub>1</sub>
SNR	23 dB	27 dB	28 dB	31 dB
Colour	transparent	transparent	transparent	transparent

uvex high-fit flex LS 23 (stainless steel filter)									
SNR 23 dB – H 25 dB	M 21 dB	L 16 dB	Classification: ---, W, ---, ---						
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	13.0	14.8	18.6	22.4	24.0	28.7	33.1	27.9	
SD / dB	5.2	5.4	3.1	4.0	3.6	3.3	3.7	4.4	
APV / dB	7.8	9.4	15.5	18.4	20.4	25.4	29.4	23.5	

uvex high-fit flex LS 27 (stainless steel filter)									
SNR 27 dB – H 27 dB	M 25 dB	L 23 dB	Classification: S, W, V, E <sub>2</sub>						
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	20.9	21.9	24.9	26.9	26.8	30.6	35.0	30.4	
SD / dB	4.9	3.0	3.6	3.3	3.2	3.4	4.1	5.3	
APV / dB	16.0	18.9	21.3	23.6	23.6	27.2	30.9	25.1	

uvex high-fit flex LS 28 (stainless steel filter)									
SNR 28 dB – H 29 dB	M 25 dB	L 23 dB	Classification: S, W, V, E <sub>1</sub>						
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	23.6	25.2	27.0	28.5	29.0	31.6	37.8	35.0	
SD / dB	4.3	5.3	4.3	5.6	4.5	3.7	3.6	4.6	
APV / dB	19.3	19.9	22.7	22.9	24.5	27.9	34.2	30.4	

uvex high-fit flex LS 31 (stainless steel filter)									
SNR 31 dB – H 30 dB	M 28 dB	L 26 dB	Classification: S, W, V, E <sub>1</sub>						
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	28.2	28.4	29.7	32.9	31.1	34.3	37.6	36.4	
SD / dB	8.0	5.5	4.5	4.0	4.8	5.2	3.6	5.6	
APV / dB	20.2	22.9	25.2	28.9	26.3	29.1	34.0	30.8	



## uvex high-fit

### Otoplastics for combination with communication units

Tailor-made hearing otoplastics with a mechanism for adaptation to communication units. uvex high-fit flex com otoplastics are compatible with uvex etyBlu com and uvex ILC com communication units. Otoplastics and the combination with communication units have been tested, certified in accordance with EN 352 and are approved for very high noise environments.



### uvex high-fit flex com uvex high-fit flex com detec

- otoplastic hearing protection individually adjusted to the ear canal for connecting the uvex communication unit
- detectable variants with a metal ball bearing and a detectable blue cord to ensure they can be identified by metal detectors
- best possible protection with perfect fit and high level of wearer acceptance
- available in different filter strengths
- high level of wearer comfort with soft silicone material
- remove grip insulation cap to connect the communication unit

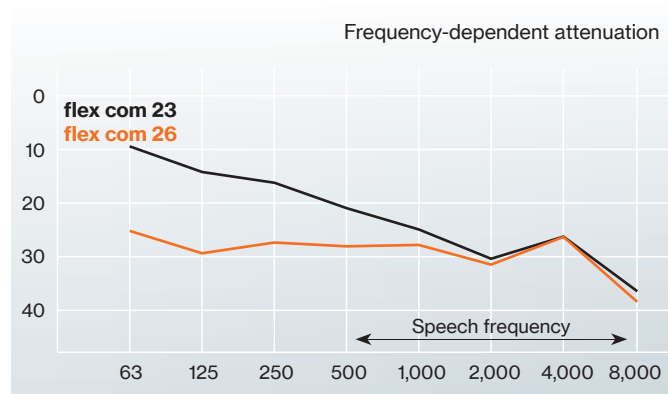
Areas of application:

- uvex high-fit flex com detec ideally suited for food sector industries

uvex high-fit flex com		
Art. no.	6172223	6172226
Standard	EN 352-2	EN 352-2
	W	S, W, V, E <sub>1</sub>
SNR	23 dB	26 dB
Colour	transparent	transparent

uvex high-fit flex com detec		
Art. no.	6170400	6170401
Standard	EN 352-2	EN 352-2
	W	S, W, V, E <sub>1</sub>
SNR	23 dB	26 dB
Colour	transparent	transparent
Special feature	detectable	detectable

► We will be happy to change the filter element for you if necessary.



uvex high-fit flex com 23 (black filter element)								
SNR 23 dB – H 25 dB	M 20 dB	L 16 dB						Classification: ---, W, ---, ---
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	9.6	14.2	16.5	21.4	25.0	30.3	26.3	36.4
SD / dB	3.5	3.9	2.6	4.1	4.1	2.4	3.1	5.4
APV / dB	6.1	10.3	13.9	17.3	20.9	27.9	23.2	31.0

uvex high-fit flex com 26 (orange filter element)								
SNR 26 dB – H 25 dB	M 25 dB	L 24 dB						Classification: S, W, V, E <sub>1</sub>
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	25.2	29.4	27.3	28.8	27.9	31.7	26.3	38.4
SD / dB	6.9	5.5	4.4	4.7	3.4	2.5	4.7	6.0
APV / dB	18.3	23.9	22.9	24.1	24.5	29.2	21.6	32.4

## uvex high-fit Communication units



6172450

### uvex etyBlu com communication unit

- wireless Bluetooth headset, which is compatible with tailor-made uvex high-fit flex com hearing protection otoplastics
- permitted in combination with hearing protection otoplastics for very high noise environments
- excellent speech and sound quality, microphone with noise suppression > 30 dB
- no awkward cable
- easy handling with button function on the headset
- flexible microphone arm for comfortable positioning in front of the mouth

uvex etyBlu com communication unit

Art. no. 6172450

Standard EN 352-6

#### ► N.B.:

The headset is compatible with devices which have bluetooth 2.1 or more recent versions. Other versions may result in partial or complete loss of available functions.

**Please check in advance whether your end device is compatible.**

If supported by the end device, further functions are available as optional extras: number redial, voice control, call forwarding and holding pattern.



6172400

### uvex ILC com communication unit

- cable stereo headset which is compatible with tailor-made uvex high-fit flex com hearing protection otoplastics.
- permitted in combination with uvex hearing protection otoplastics for very high noise environments
- excellent speech and sound quality with in-line microphone positioned close to the mouth with noise suppression > 35 dB
- easy handling with button function on the microphone

uvex ILC com communication unit

Art. no. 6172400

Standard EN 352-6

#### ► N.B.:

Each uvex ILC com headset is delivered with a 3.5" jack plug (4 pole) as standard.

Adapter configuration: 1 = audio left  
2 = audio right  
3 = jack  
4 = voice control/microphone

The use of non-compatible adapters may result in partial or complete loss of available functions.

**Please check in advance whether your end device is compatible.**



## uvex high-fit Industrial otoplastics



6170524  
6170528

### uvex high-fit temp flex

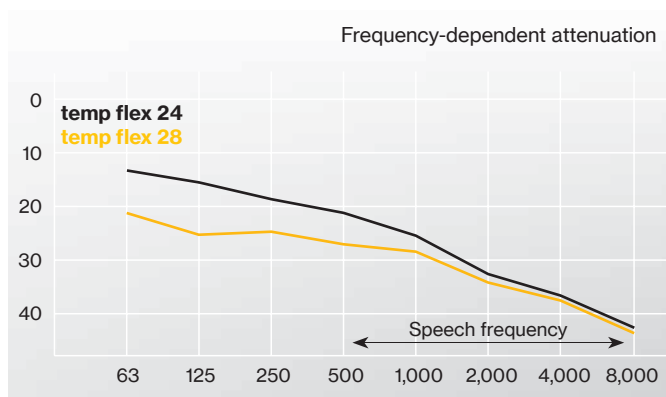
- otoplastic hearing protection individually adjusted to the ear canal
- fully silicone-free
- best possible protection due to the perfect fit and a high level of wearer acceptance
- available in different filter strengths
- easy handling with comfortable grip
- adapts perfectly to the anatomy of the wearer: on insertion, the otoplastic is dimensionally stable; the material gets softer after a few minutes due to the temperature in the ear canal

Areas of application:

- ideally suitable for the paint-processing industry

uvex high-fit temp flex		
Art. no.	6170524	6170528
Standard	EN 352-2	EN 352-2
		S, W, E <sub>2</sub>
SNR	24 dB	28 dB
Colour	transparent	transparent

- We will be happy to change the filter element for you if and when necessary.



#### uvex high-fit temp flex 24 (black filter element)

SNR 24 dB – H 28 dB M 21 dB L 16 dB								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	13.1	15.5	18.5	21.1	26.3	32.4	36.5	42.4
SD / dB	3.2	5.1	4.2	3.7	5.4	3.7	4.1	3.9
APV / dB	9.9	10.4	14.3	17.4	20.9	28.7	32.4	38.5

#### uvex high-fit temp flex 28 (yellow filterelement)

SNR 28 dB – H 30 dB M 24 dB L 21 dB								
Classification: S, W, ---, E <sub>2</sub>								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	21.2	25.2	24.7	27.0	28.3	34.1	37.4	43.4
SD / dB	5.5	5.7	6.0	4.9	4.9	3.2	3.5	4.2
APV / dB	15.7	19.5	18.7	22.1	23.4	30.9	33.9	39.2



## uvex high-fit Industrial otoplastics



6170824  
6170828  
6170832

### uvex high-fit duro · uvex high-fit duro detec

- otoplastic hearing protection individually adjusted to the ear canal made from dimensionally stable duroplast material
- fully silicone-free
- detectable variants with a metal ball bearing and a detectable blue cord to ensure they can be identified by metal detectors.
- best possible protection with perfect fit and high level of wearer acceptance
- available in different filter strengths
- smooth, even surface
- easy handling with comfortable grip
- antibacterial nano-coating

#### Areas of application:

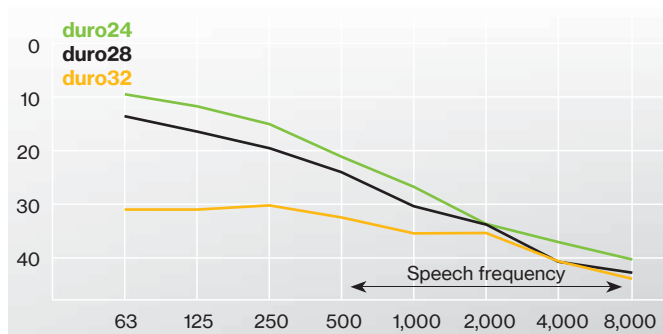
- ideally suitable for the paint-processing industry and for areas with very fine dust
- uvex high-fit flex detec ideally suited for sectors in the food industry

uvex high-fit duro			
Art. no.	6170824	6170828	6170832
Standard	EN 352-2	EN 352-2	EN 352-2
SNR	24 dB	28 dB	32 dB
Colour	transparent	transparent	transparent

uvex high-fit duro detec			
Art. no.	6170424	6170418	6170432
Standard	EN 352-2	EN 352-2	EN 352-2
SNR	24 dB	28 dB	32 dB
Colour	transparent	transparent	transparent
Special feature	detectable	detectable	detectable

Frequency-dependent attenuation



uvex high-fit duro 24 (green filter element)									
SNR 24 dB – H 30 dB	M 21 dB	L 15 dB							
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	9.7	11.7	15.1	20.9	26.9	33.7	36.9	40.2	
SD / dB	3.7	3.1	2.3	3.0	3.6	3.3	2.7	5.5	
APV / dB	6.0	8.6	12.8	17.9	23.3	30.4	34.2	34.7	

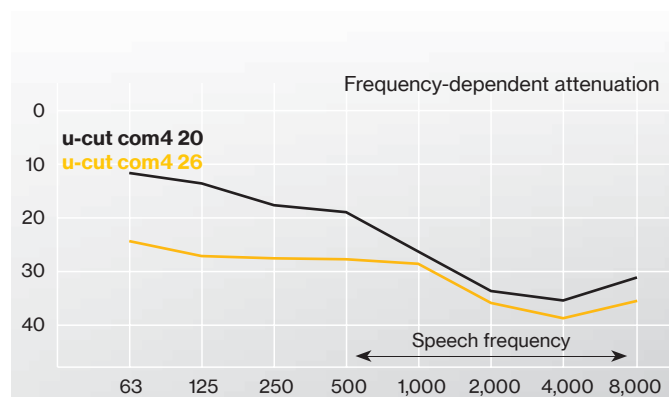
uvex high-fit duro 28 (black filter element)									
SNR 28 dB – H 32 dB	M 24 dB	L 18 dB							
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	13.6	16.2	19.6	24.0	30.3	33.8	40.8	42.8	
SD / dB	3.1	4.2	3.2	3.0	3.6	3.5	2.3	4.6	
APV / dB	10.5	12.0	16.4	21.0	26.7	30.3	38.5	38.2	

uvex high-fit duro 32 (yellow filter element)									
SNR 32 dB – H 33 dB	M 29 dB	L 27 dB							Classification: S, W, V, E <sub>1</sub>
f / Hz	63	125	250	500	1000	2000	4000	8000	
Attenuation / dB	31.0	31.0	30.2	32.3	35.3	35.2	40.5	43.4	
SD / dB	5.6	6.6	4.9	6.1	6.9	3.5	3.1	5.3	
APV / dB	25.4	24.4	25.3	26.2	28.4	31.7	37.4	38.1	

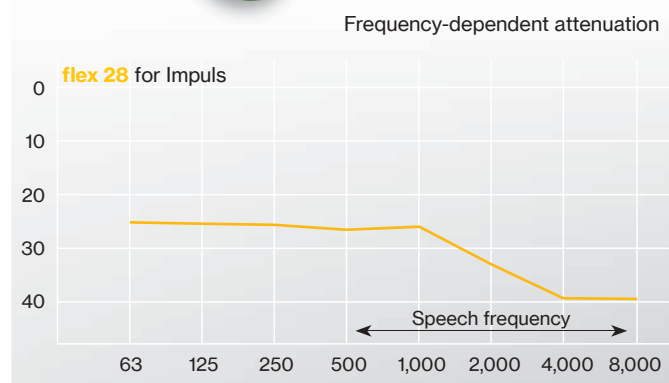
## uvex high-fit Special model



6170315  
6170320  
6170326



6170323



► As a rule, we recommend the guidelines of the German Bundeswehr (military) for sports marksmen (from small bore), hunters and shoot supervisors:

otoplastics for impulse noise must be type examination approved

SNR value must be at least 26 dB

on delivery, checks must be carried out prior to use

otoplastics for very loud impulse noise should always be used in combination with appropriate earmuffs. In these circumstances, the earmuffs can be removed to enable communication, as the otoplastics will continue to protect against noises

## uvex high-fit u-cut com4

- otoplastic hearing protection customised to the wearer's auditory canal
- soft silicone material (dermatologically tested)
- removable otoplastics for the auditory canal offer maximum flexibility
- ideal for leisure activities thanks to small auditory canal design without grip
- with anti-bacterial nano-coating

Areas of application:

- sleeping, flying, shared office spaces, phone calls, concerts, work areas without designated noise areas

Please note that our u-cut com4 model with an SNR of 15 dB is not suitable or certified for use in designated noise areas.

uvex high-fit u-cut com4			
Art. no.	6170315	6170320	6170326
Standard	EN 352	EN 352	EN 352
SNR	15 dB	20 dB	26 dB
Colour	transparent	transparent	transparent

uvex high-fit u-cut com4 20 (black filter element)								
SNR 20 dB – H 25 dB M 17 dB L 12 dB								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	8,8	10,1	13,1	16,3	23,0	29,7	32,5	28,9
SD / dB	4,3	3,7	2,6	4,5	3,9	3,1	4,3	4,9
APV / dB	4,5	6,4	10,5	11,8	19,1	26,6	28,2	24,0

uvex high-fit u-cut com4 26 (yellow filter element)								
SNR 26 dB – H 28 dB M 23 dB L 21 dB								
Classification: S, W, --, E <sub>2</sub>								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	23,9	25,1	24,6	25,4	25,9	32,7	36,1	32,3
SD / dB	6,7	5,1	4,3	4,8	4,5	3,8	4,4	3,9
APV / dB	17,2	20,0	20,3	20,6	21,4	28,9	31,7	28,4

## uvex high-fit flex for impulse

- otoplastic hearing protection individually adjusted to the ear canal
- suitable for pulse peaks up to 172 decibels
- best possible protection with perfect fit and high level of wearer acceptance
- high level of wearer comfort due to the soft silicone material
- easy handling with comfortable grip
- antibacterial nano-coating

uvex high-fit flex for impulse			
Art. no.	6170323		
Standard	EN 352-2		
SNR	28 dB		
Colour	green		

uvex high-fit flex 28 for impulse noise (yellow filter element)								
SNR 28 dB – H 29 dB M 24 dB L 22 dB								
Classification: S, W, ---, ---								
f / Hz	63	125	250	500	1000	2000	4000	8000
Attenuation / dB	25,2	25,4	25,7	26,6	26,0	33,0	39,3	39,4
SD / dB	5,2	4,4	4,7	4,2	3,5	3,4	2,9	5,5
APV / dB	20,2	21,0	21,0	22,4	22,5	29,6	36,4	33,9

## uvex high-fit Accessories



6177112

### uvex high-fit band

- neck handle for hearing protection otoplastics in zip-up case
- easy to attach the otoplastic to the band using colour-coded connector sleeves
- no disruptive transmission noise because the band prevents the cord rubbing on clothing
- band significantly relieves strain
- comfortable to wear around the neck during breaks

Areas of application:

- ideal for activities with frequent and/or fast head movements

Band	
Art. no.	6177112



6177116

### uvex clear otoplastics

- silicone-free towelettes for quick and easy cleaning of hearing protection otoplastic, suitable for all otoplastic materials
- packaging: 30 per box

uvex clear otoplastics	
Art. no.	6177116
Contents	30 cleaning towelettes



6177115

### uvex click case

- small click case for otoplastics

uvex click case	
Art. no.	6177115
Minimum order quantity	10 units



uvex high-fit  
Special features



Colours

uvex high-fit flex, uvex high-fit flex LS, uvex high-fit temp flex and uvex high-fit duro otoplastics are made of transparent materials. They are marked left and right with an engraving for ease of fitting and also come with different coloured cord holders.

For an additional fee, we can produce uvex high-fit flex in green, white, yellow, orange or unobtrusive beige.

On request, we can supply you with uvex high-fit otoplastics made of silicone material in red and/or blue at no additional cost.



Included

uvex high-fit otoplastics are supplied in a zipped case, including textile cord, cleaning rod, cleaning cloths and user information.

Silicone otoplastics are delivered with a tube of audinell gel.

uvex high-fit replacement kits

Standard replacement kit for:

- uvex high-fit flex
- uvex high-fit temp flex
- uvex high-fit duro

Standard replacement kit	
Art. no.	6177110
Design	consists of an elastic cord 800 mm (anthracite) and a pair of connector sleeves (red/blue)

Standard replacement kit	
Art. no.	6177156
Design	comprising 900 mm textile cord and a pair of fastening sleeves (red/blue)

Standard replacement kit for:

- uvex high-fit flex com

Standard replacement kit	
Art. no.	6177210
Design	consists of an elastic cord 800 mm (anthracite) and a pair of connector sleeves (red/blue), sealing plugs (red/blue) and disposable plugs

Detectable replacement kit for:

- uvex high-fit flex detec
- uvex high-fit duro detec

Detectable replacement kit	
Art. no.	6177111
Design	consists of an elastic cord 800 mm (blue, detectable) and a pair of connector sleeves (blue, detectable)

Detectable replacement kit for:

- uvex high-fit flex com detec

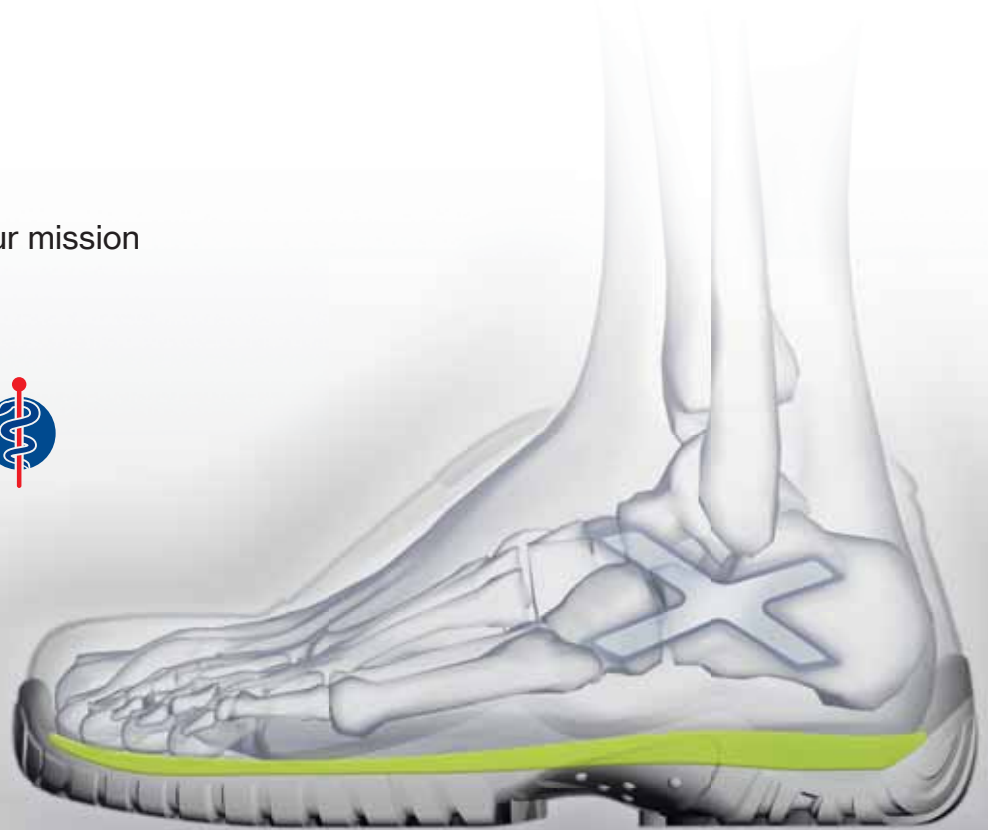
Detectable replacement kit	
Art. no.	6177211
Design	consists of an elastic cord 800 mm (blue, detectable) and a pair of connector sleeves each (blue, detectable), sealing plugs (red/blue) and disposable plugs



uvex medicare







## Orthopaedic problems – a widespread phenomenon

As a systems provider and expert manufacturer, uvex is consistently pursuing its protecting people mission in the area of orthopaedics and expanding its spectrum of customised inserts and adjustments for uvex safety footwear.

The customised solutions provided by uvex medicare solve foot-related medical problems in the workplace and offer individual, expertly-designed orthopaedic solutions in uvex safety footwear. This is also accompanied by a comprehensive range of services and support.

Scientific studies prove time and again that well over half the adult population suffer from orthopaedic problems such as fallen arches, knock knees, splay foot or flat feet. These conditions have an undisputed effect on the entire musculoskeletal system and physical performance. However, individuals can significantly benefit from professional customised footwear and insert solutions providing protection for every single employee.. Individual. Tailor-made. Safe.

## Type examination is a prerequisite – German Social Accident Insurance (DGUV) regulation 112-191 (formerly BGR 191\*)

Within the framework of the revised German Social Accident Insurance (DGUV) regulation 112-191 (formerly BGR 191), new, clear guidelines were defined for the use of orthopaedic insoles in safety footwear and individual adjustment of safety footwear. The previous practice of employees providing their own inserts is no longer permissible.

Employers are no longer able to opt out of their duty of care in respect of orthopaedic health and safety.

Significant elements of German Social Accident Insurance (DGUV) regulation 112-191 include a requirement that only fully certified orthopaedic solutions are allowed. This means that no changes made to safety footwear or insoles

may impair the safety characteristics of the footwear and that the entire system must be individually tested. uvex guarantees that its systems are individually tested. Certification gives you the peace of mind that we have used only tested and certified materials and components.





## Partnership with uvex

### Summary of benefits

- tailor-made orthopaedic solutions for individual employees
- developed by specialist orthopaedic footwear manufacturers
- uvex orthopaedic products can provide legal peace of mind
- whether it's customised inserts, shoe adjustments or special safety footwear, all uvex orthopaedic shoe solutions offered in combination with uvex safety footwear are type tested and certified by the Test and Research Institute Primasens (PFI) and TÜV Rheinland
- a wide range of uvex safety footwear has been approved for use with uvex medicare orthopaedic solutions, you can create a uniform look throughout your company by introducing a single footwear model
- local adjustment service provided either by a uvex representative or a representative from one of our approved uvex medicare partners
- tailor-made correction service free of charge
- delivery of on-site health awareness workshops for employees
- products supplied with individual documentation detailing all adaptations and in accordance with legal requirements

## A strong network

### Wherever you are

With individually tailored product solutions, it is important to offer customers an expert local adjustment service, capable of being available, on-site as quickly as possible. We work with efficient orthopaedic specialists nationwide to ensure that you will always get the service you need.

The network of approved uvex medicare partners offers not only an expert orthopaedic diagnosis and a range of corrective measures, but can also provide employers with peace of mind, knowing that any product solution they use will conform to the applicable standards and legal requirements.

Our uvex medicare partners will be happy to visit your company by appointment in order to work with you to select and implement the most appropriate safety measures for your employees. Speak to your personal uvex representative about alternative solutions for your company.



## uvex medicare

Comfortable customised inserts – Insert technology for tailor-made treatment

### EVA soft-foam technology



#### uvex 3D hydroflex® foam

- optimum moisture absorption and release
- excellent shock absorption in high-strain zones such as the ball and heel of the foot
- smooth surface
- excellent abrasion resistance

#### ORTHOPAEDIC ADJUSTMENT

- modular concept
- adapts to assist natural movement



#### VARIOUS MEDICAL CONCEPTS

Applicable – depending on classification:

- conventional orthopaedics
- sensorimotor function
- Spiraldynamik®
- supports correct bio-mechanical foot rolling
- does not require to be 'broken in'
- high wearer comfort

Orthopaedic uvex comfort custom insole  
Art.no. 6499902

#### SUPPORTING CORE

- 2 levels of shore hardness (medium/soft) selected according to requirements: Individually adaptable to body type and support requirements
- high support, guiding and shock absorption properties through soft, raised heel shell

### Sensomotoric insole



#### CONSTRUCTION

- tailor-made orthopaedic adjustment
- uvex 3D hydroflex® foam
- supporting core like EVA soft-foam comfortable customised insert

#### MODUS

- dynamic insole that corrects foot bone positioning
- static correction of bone areas and freedom of joint movement stimulate foot-stabilising muscles to respond to posture correction. This affects all joints up to the head.

Sensomotoric insert set EVA  
Art.no. 6499904

#### HEEL SPUR PAD

- correction of heel pronation and supination



#### MIDFOOT PAD

- direct impact on tension on the lower back and leg musculature

\* The image only shows the inner core of the sensomotoric insole. The material and finish of the complete insole is similar to the uvex EVA insert.

Use of this insole in combination with safety footwear must be evaluated and approved by an orthopaedic specialist.



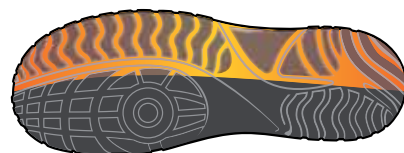
6499911



6499913



6499914



6499915



All products suitable for orthopaedic foot protection are indicated in this catalogue with the uvex medicare symbol.

## Orthopaedic shoe adjustments

### Shoe lift

A shoe lift is required to balance legs of different length.

A shoe lift should never exceed 3 cm.

### Roller sole

A roller sole eases the burden on the feet during your stride. The precise effect is governed by the location of the pressure point. This helps adjust the length of your stride.

### Butterfly roller

A butterfly roller reduces the burden on sensitive metatarsal bones by dissipating the pressure caused by each stride. By moving the pressure point, you can create an extra rocking effect.

### Outer and inner sole wedges

By using a wedge, you can adjust the slope beneath the feet in a standing position and correct the line of your stride when walking.

#### Orthopaedic shoe adjustments

Art. no. 6499911

Design orthopaedic shoe lift

up to 1 cm per side

Art. no. 6499912

Design shoe lift per additional cm

(up to max. 3 cm) per side

Art. no. 6499913

Design rocker sole

Art. no. 6499914

Design butterfly roller

Art. no. 6499915

Design external or internal edge lift

Art. no. 6499907

Design sole stiffener (only as addition in connection with a shoe adjustment initial position)



Our orthopaedic uvex customised comfort inserts and orthopaedic shoe adjustments are only certified in accordance with specific safety shoes in each case.

To avoid safety risks, it is essential that you select the right safety shoe for the product (notes in main catalogue). We accept no liability for non-certified combinations.

Please do not hesitate to contact us should you have any concerns regarding the right safety shoe.

Our orthopaedic uvex customised comfort inserts and orthopaedic shoe adjustments are only certified in accordance with EN ISO 20345:2011 in combination with the models from the ranges uvex 1, uvex 2, uvex business casual, uvex xenova® nrj, uvex xenova® hygiene, uvex xenova® pro, uvex xenova® atc, uvex xenova® light, uvex motion, uvex motion style, uvex motion sport, uvex motion classic 2.0, uvex motion black, uvex motion light, uvex quatro pro, uvex naturform and uvex motion 3 XL. Our orthopaedic uvex customised comfort inserts are only certified in accordance with EN ISO 20345:2011 in combination with uvex origin models.

**Note:** For shoe adjustments, the temperature resistance of the sole is reduced to 60 °C.

**Note:** For Austria, the uvex naturform range is not approved in accordance with ÖNORM Z1259. Only "variant A – orthopaedic insert" for model 69608 uvex xenova® hygiene sling is possible in accordance with ÖNORM Z1259.



## uvex medicare

A new dimension in foot protection – uvex motion 3XL safety footwear

### More than just a standard solution

Many people cannot wear standard safety footwear, e.g. diabetics, and they often have to turn to costly custom-made solutions. Industrial health and safety experts at uvex have developed the uvex motion 3XL that combines the features of standard safety footwear with custom-made orthopaedic shoes. uvex motion 3XL perfectly combines all the requirements for safety and wearer comfort, making it the professional and practical solution.

#### Optimum safety at work with every step

uvex motion 3XL safety footwear fulfils requirements of S3 shoes in accordance with norm EN ISO 20345:2011.

- Antistatic properties (ESD)
- Oil and fuel-resistant sole
- Energy absorption in heel area
- Water-resistant upper
- Reliable penetration resistance
- Slip resistance (SRC)



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#### uvex motion 3XL – a true “space miracle” with unprecedented width

- cost-efficient and practical industrial health and safety solution
- effective reduction of health-related absences
- increased employee wellbeing
- fashionable, sporty design increases wearer acceptance



## uvex medicare

Ideal for individual adjustment

### uvex motion 3XL: more than just safety footwear

uvex motion 3XL has been specially designed to be highly versatile when used in conjunction with orthopaedic insoles and shoe adjustments. The volume of uvex motion 3XL has ample room for inserting a thick insole, for example, **a special diabetic insole.**



64965



uvex motion 3XL offered as full orthopaedic package:

- 1 S3 safety shoe and S3 safety boot



- 2 Orthopaedic uvex 3D hydroflex® foam insole with EVA core



- 3 6 mm construction material with soft, conductive EVA



- 4 Stabilisation elements for uvex 3XL safety boots:

- Double layer on outside to prevent ankle twisting
- Single layer inside for ligament and ankle stabilisation
- Choice of hardness grades for stabilising elements available to orthopaedic technician



The construction material allows orthopaedic specialists to manufacture customised inserts and shoe adjustments which are valid in accordance with certification and CE markings, e.g. heel spur relief, pronation and supination pads, heel pads, measures required for diabetic foot risk classification types 2-3 and post-operatively.

Use of the uvex motion 3XL in combination with orthopaedic/medical treatment, prophylactic or medical diagnosis (e.g. prevention of diabetes-related subsequent foot problems) must be evaluated and approved by an orthopaedic specialist.



## uvex medicare

uvex motion 3XL safety footwear – functionality in every detail



### Exceptionally high, anatomically shaped toe cap

The extremely high and wide **uvex medi-cap** ensures sufficient room for deformed feet (e.g. hammer, claw and mallet toes), a splint, an inner shell or a light foot bandage, so the risk of pressure points is reduced. In addition, this model offers good freedom of movement around the toes taking into account the big toe joint.

### Secure and adjustable lacing system

Extremely soft, padded tongue with external individually adjustable lacing system.

### Soft, elasticated transition

The transition from toe cap to tongue protects the metatarsophalangeal (MTP) joints at the base of the toes.

### Increased space

Additional space for movement to reduce pressure points.

← +1 cm



### All-round cap for impact protection

All-round shoe casing increases protection for wearer and the product life of the shoes.

### Metal-free toe cap and midsole

Penetration-resistant sole and toe cap of high-tech plastics fulfil requirements of S3 shoes in accordance with norm EN ISO 20345:2011.

### Generous foot width

Considerably wider than size 15. Ample room for inserting a thick insole, e.g. special diabetic insole.





# uvex motion 3XL

A true "space miracle"

## Minimal seams

To prevent potential rubbing points, the shoes have only three seams which align with the movement direction of the foot. A further feature that reduces pressure points.

## Extended heel cap

The heel cap is extended both inside and outside which ensures optimum heel guidance. This improves body static and increases stability.

### normal cap



uvex motion 3XL heel cap

## Padded shoe shaft

Special padding in the collar, ankle and achilles tendon area prevent pressure points.

## Maximum comfort

Triple-layer lining with ultra-soft padding.

## Complete orthopaedic package

Construction material comprising soft, conductive EVA 6 mm thick foam, in combination with orthopaedic inserts with EVA core.



# uvex medicare

uvex motion 3XL sets new standards

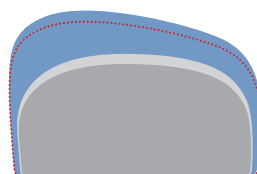
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Top of the range in every respect

The uvex motion 3XL with its anatomic design and functionality is one of the best safety shoes in its class, guaranteeing reliable protection and high wearer comfort in every situation.

20 %  
more width



..... Width 15  
Comparison:  
■ uvex motion 3XL  
■ Best competitor  
■ Worst competitor

When compared with standard safety shoes, the uvex motion 3XL **width is considerably above 15**, and therefore provides ample room for orthopaedic remedies.

Shoe, size 42	Volume (cm³)	Difference	Width, according to catalogue (mm)*	Difference	Weight (g)*	Difference
uvex motion 3XL S3 with/without construction material	1010/ 1400		Each >15/287		660/592	
Competitor 1	890	+13%	14/262	+10%	569	+16%
Competitor 2	890	+13%	12/239	+20%	706	-7%
Competitor 3	885	+14%	12 (up to XXW)/259	+11%	766	-14%
uvex xenova® nrj S2	850	+19%	12/253	+13%	606	+9%
Competitor 4	750	+35%	14/257	+12%	464	+42%
Competitor 5	720	+40%	One width/251	+14%	681	-3%
uvex 1 S2	710	+42%	12/244	+18%	461	+43%
Competitor 6	610	+66%	No information/245	+17%	622	+6%

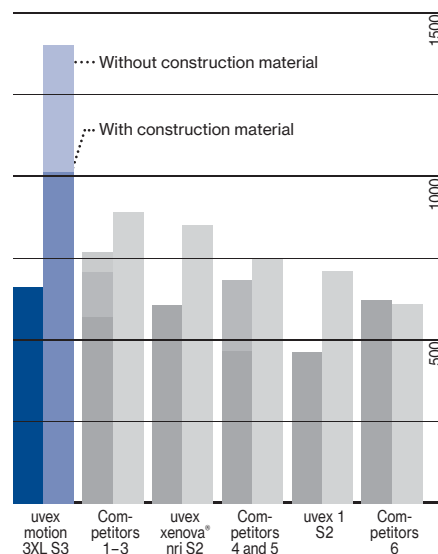
\* in accordance with PFI certification

66 %  
more volume

With an internal volume of up to 1,400 cm³, the uvex motion 3XL shoe has space to fit orthopaedic insoles or **footbeds adapted for diabetes** or even bandages.

## Best comparative values

The internal volume of uvex motion 3XL shoe is significantly increased, while the generous width allows for greater wearer comfort. This model is still lighter than many other safety shoes with greater width for deformed feet, splints, inner shell and foot bandages.



## Anatomic design

The generous inner dimensions of the shoe prevent big toes from bending and rubbing inside the shoe. Optimum freedom of movement for the toes is guaranteed at all times.



## Special sole tread

Slip resistant, SRC-certified open PU sole tread prevents dirt accumulation.



## Individually adjustable lacing

External lacing without eyelets prevents pressure points – the shoe can be quickly and easily adapted to the foot.

# uvex motion 3XL

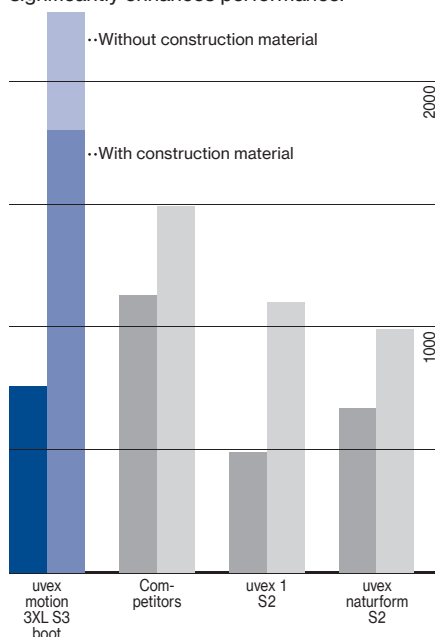
Work safety "made easy"

## Maximum protection – minimum weight

uvex motion 3XL boots weigh little more than normal shoes, but offer the added stability of a boot: They support tendons and ligaments in the ankle and lower calf. Additional supports provide effective protection from ankle twisting.

### Low weight

Despite their impressive volume, uvex motion 3XL boots are comfortable and light weight, which reduces fatigue and consequently significantly enhances performance.



# 82 % | 18 %

more volume | more width

Boot, size 42	Volume (cm³)	Difference	Width, according to catalogue (mm)*	Difference	Weight (g)*	Difference
uvex motion 3XL S3 with/without construction material	1800/2280		Each >15/287		759/691	
Competitor	1490	+21%	One width/244	+18%	1129	-33%
uvex 1 S2	1100	+64%	14/252	+14%	492	+54%
uvex naturform S2	990	+82%	-/250	+15%	671	+13%

\* in accordance with PFI certification



### Exceptionally high, anatomically shaped toe cap

The large volume of the toe cap reduces the risk of pressure points and lesions in the front of the foot.



### 1 cm additional space

To prevent toes from being squashed, the shoe length has been extended by 1 cm beyond the optimum fit with the normal shoe size.



### Completely metal-free

The extremely dense high-tech uvex xenova® material ensures penetration resistance. Toe caps made of highly shock-resistant plastic laminate.



## Where the uvex motion 3XL can help



### **Diabetes**

Oversensitive, dry skin, a tendency for corns, hammer toes and claw toes, through to open wounds with associated neuropathy, which can lead to amputations: People with diabetic foot syndrome are advised to wear optimal footwear. Rule of thumb: The fewer pressure points that the shoe causes on the foot (while still providing the required stability), the more comfortable they are to wear, which reduces and alleviates any existing symptoms.



### **Foot misalignment or deformations**

Whether natural characteristics such as extremely wide or "fleshy" feet, or deformities of the foot that are either congenital or have developed over time due to misalignments or joint changes (e.g. hallux valgus, hallux varus, hallux rigidus): If they are not cushioned by correctly fitted footwear to reduce possible pressure points, they tend to get worse.



### **Ankle inflammation and osteoarthritis**

Disorders in the foot can be caused by ankle inflammation, such as symptoms of tendonitis or diseases such as gout or arthritis. Osteoarthritis of the tarsal or ankle joint also cause chronic pain. Relief can be provided by shoes that guarantee stability with maximum mobility.



### **Joint blockages, tendon contractures, heel spur**

Orthopaedic problems such as joint blockages (in the ankle joint or tarsal bone) and tendon contractures or bone formations such as heel spurs: if they are already sufficiently pronounced, they not only cause chronic pain, but they increasingly restrict a person's ability to move.

Post-operative problems, the effects of operations or accidents at work or while playing sport can often drag on for months or years. The feet are often affected: either directly or indirectly as a result of immobility of the legs in particular. The right footwear ensures that those affected will be able to move again quickly and without pain.



### **Lower leg problems**

Symptoms of paralysis, dorsiflexion weakness, stiff joints or muscle weakness in the lower leg require orthopaedic boots. Stabilising the ankles can prevent those affected from twisting or stumbling, and so avoid further injury.



uvex medicare  
uvex motion 3XL


- Dorsiflexion weakness
- Oversensitive skin
- Neuropathy
- Tendonitis
- Tendon contractures
- Muscle weakness
- Hallux rigidus
- Hallux valgus
- Hallux varus
- Gout
- Arthritis
- Heel spur
- Claw toes
- Corns
- Joint blockages
- Joint stiffness
- Joint changes
- Joint inflammation
- Foot deformities



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## uvex motion 3XL · Shoe S3 SRC · Boot S3 SRC

## General features:

- extremely wide innovative shoe and boot
- virtually seam-free construction
- pressure points virtually eliminated
- mostly metal-free
- largely free from silicone and plasticiser
- one of the lightest therapeutic safety shoes of its class
- helps to reduce downtime due to ill-health
- individually adjustable stabilisation bars (only 64965)
- offers enough room for diabetes-adapted foot bedding

## Protection characteristics:

- meets ESD specifications with bleeder resistor under 35 megaohms
- non-slip outsole and non-metallic penetration-resistant insert – despite high flexibility of the shoe
- 100 % metal-free uvex medi-cap toe cap – compact, anatomically formed, not thermally conductive and with good side stability
- secure standing even on ladders due to optimal profile design with self-cleaning studs and additional stable arch

## Comfort features:

- perfect foot climate at all times thanks to breathable lining and outer shoe material
- ergonomic lightweight construction and above-average shock absorption increases wearer comfort and prevents fatigue
- comfortable and virtually pressure-free
- cushioned shaft edge, three-layered padded lining
- customisable complete orthopaedic package
- uvex medicare certified up to 3 cm raised sole
- additional movement space in toe area 1 cm
- individually adjustable stabilisation elements (only 64965)

## Areas of application:

- medium area of application, in sectors such as chemical industry, transport and logistics, energy, machine construction and metal processing
- especially suitable for therapeutic purposes, e.g. diabetic care

uvex motion 3 XL	Shoe S3 SRC	Boot S3 SRC
<b>Art.no.</b>	64963	64965
<b>Width</b>	> 15	> 15
<b>Standard</b>	EN ISO 20345: 2011 S3 SRC	EN ISO 20345: 2011 S3 SRC
<b>Upper material</b>	breathable, water-resistant high-tech microvelour	breathable, water-resistant high-tech microvelour
<b>Size</b>	35 to 50	35 to 50





### Prescription spectacles and workplace safety

The common key features of prescription safety spectacles are that they compensate the wearer's defective vision and protect the eyes from mechanical and optical influences. This seminar will enable participants to act as a competent representative within the company for prescription safety spectacles right through to fitting.

- Information regarding legal regulations, test specifications and standards
- Sharing knowledge about prescription safety spectacles
- Explanation of the different types of lens and frame materials available, their specific features and properties
- Explanation of the various focus types and their best use
- Assessment of the risks in the respective workplace and selection of the most appropriate prescription safety spectacles
- Ability to determine the necessary parameters for fitting prescription spectacles
- Practical demonstration of selection, consultation, and fitting of prescription safety glasses
- Instruction regarding the best care and handling of prescription safety spectacles

### Target group

Those responsible for the work-related health and safety of employees within a company and/or those who are to fit prescription safety spectacles, such as safety officers, company doctors and their support staff.

For further information and to register visit [uvex-academy.com](http://uvex-academy.com), phone +49 911 9736-1710 or e-mail [academy@uvex.de](mailto:academy@uvex.de)

