

uvex

PROTECTING PEOPLE



Individual PPE

Optics. Otoplastics. Orthopaedics.



SBU Occupational Health

Individual PPE

The uvex Occupational Health business unit (SBU-OH) delivers personalised, individual solutions in the fields of optics (prescription safety and monitor spectacles), otoplastics (tailor-made hearing protection) and orthopaedics (orthopaedic comfort inserts and footwear adjustments). The high standard of the products is guaranteed by in-house research and development, highly qualified specialists and continuous improvement processes. All products have undergone extensive certification procedures and set demanding benchmarks for quality standards.

An industrial safety product only fulfils its purpose when it is accepted and worn properly.

Experience has shown that personalised industrial safety products have a significantly higher wearer acceptance and are treated with much greater care than standardised products.

SBU Occupational Health



Prescription safety spectacles Monitor spectacles



Tailor-made prescription safety spectacles certified in accordance with EN 166

Lens material and prescription selected to meet the personal vision requirements for the workplace

Wide range of frames

Tests can be carried out on site or by uvex partner opticians in your area



Tailor-made hearing protection uvex high-fit



Individually tailored hearing protection certified in accordance with EN 352

Material for the ear canal piece and filter are selected to meet the requirements of the area of application and sound level

Wide range of tailor-made hearing protection

Fitting service carried out on site by specially trained experts



Orthopaedic foot protection uvex medicare



Individualised safety footwear certified in accordance with BGR 191

Developed by certified orthopaedic footwear producers

Wide range of safety footwear products available

Fitting can be carried out on site or by uvex medicare partners in your area

We offer a comprehensive on-site service including the analysis of potential risks, subsequent product recommendations and record all relevant data for the manufacture of tailor-made safety products.

In addition, we have a strong network of local partners to guarantee high uvex quality standards in your area.

Prescription safety eyewear

Perfect protection – tailored to your requirements



Prescription safety spectacles

Metal frames



uvex 9253 silverstar

- Metal frame with slimmer profile
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9253.001
Ref. no.	9253 001 50/20
Lens	50 mm
Nosepiece width	20 mm
Colour	silver



uvex 9254 greystar

- Classic design metal frame
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9254.001
Ref. no.	9254 001 50/20
Lens	50 mm
Nosepiece width	20 mm
Colour	gunmetal matt



Art. no.	9254.002
Ref. no.	9254 002 52/20
Lens	52 mm
Nosepiece width	20 mm
Colour	gunmetal matt



uvex 9154 starlet

- Metal frame with oval-shaped lenses
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9154.490
Ref. no.	9154 490 47/20
Lens	47 mm
Nosepiece width	20 mm
Colour	antique gold



Art. no.	9154.491
Ref. no.	9154 491 49/20
Lens	49 mm
Nosepiece width	20 mm
Colour	antique gold



Prescription safety spectacles

Metal frames



uvex 9155 mercury

- Slim, expressive metal frame
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9155.460
Ref. no.	9155 460 54/19
Lens	54 mm
Nosepiece width	19 mm
Colour	steel blue



Art. no.	9155.461
Ref. no.	9155 461 56/19
Lens	56 mm
Nosepiece width	19 mm
Colour	steel blue



uvex 9248 titan

- Thin, expressive titanium frame
- Light, hypoallergenic pure titanium nose bridge
- Flexible beta titanium side arms
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9248.001
Ref. no.	9248 001 52/19
Lens	52 mm
Nosepiece width	19 mm
Colour	titanium blue



▶ Frame material: titanium



uvex 9256 Pilot

- Fashionable, aviator-style metal frame
- Anatomically adjustable nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.100
Ref. no.	5102 1400 51/20
Lens	51 mm
Nosepiece width	20 mm
Colour	gunmetal matt



Art. no.	9256.001
Ref. no.	9256 001 53/20
Lens	53 mm
Nosepiece width	20 mm
Colour	gunmetal matt



Prescription safety spectacles

Metal frames



uvex 9152 classic

- Classic metal frame with double-bar nose piece
- Anatomically adjustable nose bridge
- Particle protection between the nose and second bridge
- Transparent side shields attached with a metal clip
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9152.480
Ref. no.	9152 480 50/18
Lens	50 mm
Nosepiece width	18 mm
Colour	gunmetal



Art. no.	9152.482
Ref. no.	9152 482 52/18
Lens	52 mm
Nosepiece width	18 mm
Colour	gunmetal



Art. no.	9152.484
Ref. no.	9152 484 54/18
Lens	54 mm
Nosepiece width	18 mm
Colour	gunmetal



uvex 9158

- Striking metal frame design with double-bar nose piece
- Anatomically adjustable nose bridge
- Transparent side shields attached with a metal clip
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9158.481
Ref. no.	9158 481 50/18
Lens	50 mm
Nosepiece width	18 mm
Colour	gunmetal



Art. no.	9158.480
Ref. no.	9158 480 52/18
Lens	52 mm
Nosepiece width	18 mm
Colour	gunmetal



Art. no.	9158.482
Ref. no.	9158 482 54/18
Lens	54 mm
Nosepiece width	18 mm
Colour	gunmetal



uvex 5101

- Classic metal frame with double-bar nose piece
- Anatomically adjustable soft nose pads
- Side shields made of wire mesh to allow good air circulation
- Side arms with spring hinges
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.102
Ref. no.	5101 1018 54/17
Lens	54 mm
Nosepiece width	17 mm
Colour	black/silver



Art. no.	6109.103
Ref. no.	5101 1018 56/17
Lens	56 mm
Nosepiece width	17 mm
Colour	black/silver



uvex F 300

- Large metal frame with double-bar nose piece
- Anatomically adjustable soft nose pads
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9259.300
Ref. no.	9259 300 56/21
Lens	56 mm
Nosepiece width	21 mm
Colour	gold/brown marble



Prescription safety spectacles

Plastic frames



uvex 9137 ceramic

- Panto-shaped Kevlar frames with metal side arms
- Anatomically shaped nose bridge
- Transparent side shields attached with screws
- Easily adjustable comfortable Duofit ear pieces

Art. no.	9137.240
Ref. no.	9137 240 49/20
Lens	49 mm
Nosepiece width	20 mm
Colour	burgundy



Art. no.	9137.260
Ref. no.	9137 260 49/20
Lens	49 mm
Nosepiece width	20 mm
Colour	cobalt blue



Art. no.	9137.290
Ref. no.	9137 290 49/20
Lens	49 mm
Nosepiece width	20 mm
Colour	grey



uvex 5503

- Plastic frames with classic lens shape
- Anatomically shaped nose bridge
- Transparent side shields
- Eyewire protection integrated in side shields

Art. no.	6109.202
Ref. no.	5503 2000 54/17
Lens	54 mm
Nosepiece width	17 mm
Colour	white



Art. no.	6109.203
Ref. no.	5503 1300 54/17
Lens	54 mm
Nosepiece width	17 mm
Colour	anthracite



Style with metal side arms	
Art. no.	6109.204
Ref. no.	5503 7415 54/17
Lens	54 mm
Nosepiece width	17 mm
Colour	anthracite
Metal side arms with spring hinges	



uvex 5504

- Plastic frames with oval-shaped lenses
- Anatomically shaped nose bridge
- Transparent side shields
- Eyewire protection integrated in side shields

Art. no.	6109.205
Ref. no.	5504 2000 55/20
Lens	55 mm
Nosepiece width	20 mm
Colour	white



Art. no.	6109.206
Ref. no.	5504 1300 55/20
Lens	55 mm
Nosepiece width	20 mm
Colour	anthracite



Style with metal side arms	
Art. no.	6109.207
Ref. no.	5504 1525 55/20
Lens	55 mm
Nosepiece width	20 mm
Colour	grey/translucent
Metal side arms with spring hinges	



Prescription safety spectacles

Plastic frames



uvex 5502 · 9134 meteor

- Close-fitting plastic frames
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Specially-shaped frames provide protection against particles from below
- Side arms individually adjustable in four different lengths
- Adjustable comfortable Soft-form ear pieces

Art. no.	9134.290
Ref. no.	9134 290 56/15
Lens	56 mm
Nosepiece width	15 mm
Colour	smoke grey



Art. no.	6108.202
Ref. no.	5502 3525 56/15
Lens	56 mm
Nosepiece width	15 mm
Colour	hellblau



uvex 5505

- Close-fitting plastic frames
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Specially-shaped frames provide protection against particles from below
- Length and angle of side arms individually adjustable
- Adjustable comfortable Soft-form ear pieces

Art. no.	6109.208
Ref. no.	5505 2900 55/19
Lens	55 mm
Nosepiece width	19 mm
Colour	transparent



Art. no.	6109.209
Ref. no.	5505 2900 57/19
Lens	57 mm
Nosepiece width	19 mm
Colour	transparent



uvex 5506

- Comfortable plastic frame
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design

Art. no.	6109.210
Ref. no.	5506 1725 56/18
Lens	56 mm
Nosepiece width	18 mm
Colour	light grey translucent



Prescription safety spectacles

Plastic frames



uvex 9130 cosmoflex

- Comfortable plastic frame
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Specially-shaped frames provide protection against particles from below
- Side arms individually adjustable in four different lengths
- Adjustable comfortable Duo-flex ear pieces

Art. no.	9130.292
Ref. no.	9130 292 56/17
Lens	56 mm
Nosepiece width	17 mm
Colour	grey



uvex 9168 RX

- Plastic frame with large, transparent nose piece
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Adapted coloured top bar and side arms
- Side arms individually adjustable in four different lengths
- Comfortable Duo-flex ear pieces ensure pressure-free fit

Art. no.	9168.907
Ref. no.	9168 907 56/20
Lens	56 mm
Nosepiece width	20 mm
Colour	silver-grey



Art. no.	9168.937
Ref. no.	9168 937 56/20
Lens	56 mm
Nosepiece width	20 mm
Colour	yellow/black



Art. no.	9168.957
Ref. no.	9168 957 56/20
Lens	56 mm
Nosepiece width	20 mm
Colour	violet/green



Art. no.	9168.967
Ref. no.	9168 967 56/20
Lens	56 mm
Nosepiece width	20 mm
Colour	blue



uvex 9240 - welder flip-up

- Close-fitting plastic frames
- Anatomically shaped nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Frame and side shields fully coloured
- Fold-up welding lenses offer level 5 certified welding protection

Art. no.	9240.290
Ref. no.	9240 290 54/22
Lens	54 mm
Nosepiece width	22 mm
Colour	oliv

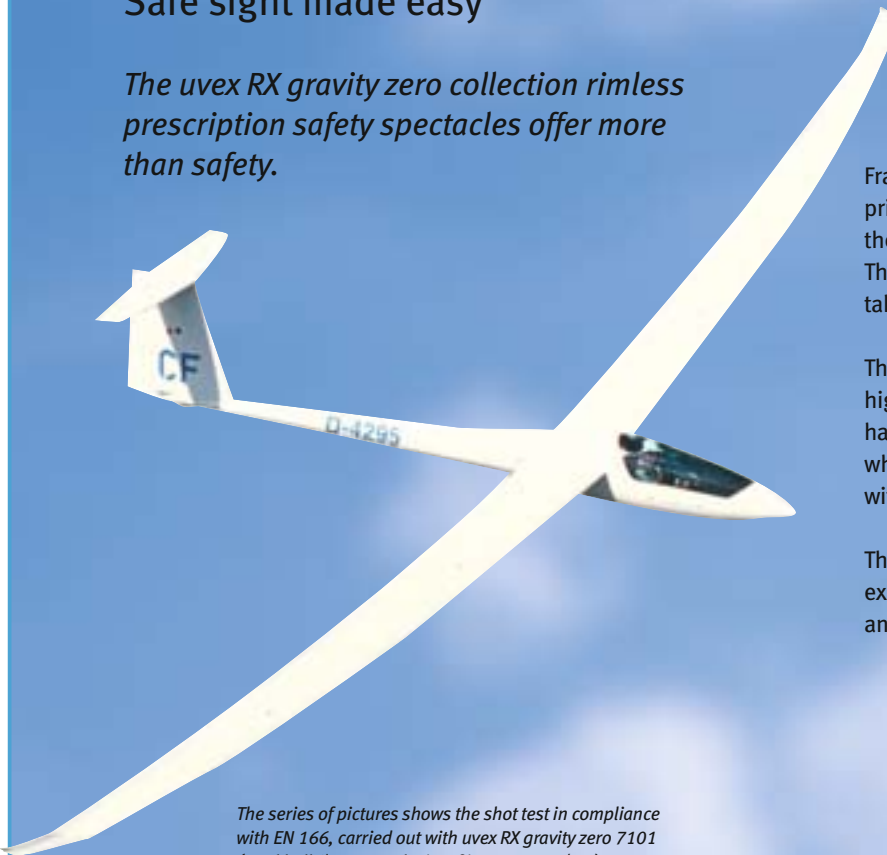


uvex RX gravity zero

Rimless prescription safety spectacles

Safe sight made easy

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



Frameless spectacles are extremely common in the private domain and differentiate themselves through their light weight and an uninhibited field of vision. The uvex RX gravity zero collection was developed taking account of these characteristics.

Through special construction and the application of high-quality materials for the frame and lenses, we have succeeded in creating frameless spectacles which meet the standard for industrial eye protection without restrictions.

The uvex RX gravity zero collection impresses with 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).

For further information, install the QR Code Reader and photograph the code using a smartphone.



A slow motion film showing prescription safety spectacles on 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.

Material	Specific weight g/cm ³	Optical grade	Mechanical stability	Chemical resistance	Suitability for rimless prescription safety spectacles
Trivex	1.1	1	F	+++	+++
Polycarbonate	1.2	1	F	+	(+)
Highly refractive plastics HI 1,6/HI 1,67	1.33/1.4	1	S	++	++
CR-39, modified	1.3	1	S	++	not suitable
Tempered glass	2.5	1	S	+++	not suitable

Prescription safety spectacles

uvex RX gravity zero



uvex RX gravity zero 7101

- Rimless prescription safety spectacles
- Fashionable aviator-style lenses
- Anatomically adjustable soft nose pads
- Transparent side shields attached with screws
- Side arms with spring hinges
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.300
Ref. no.	7101 1300 53/20
Lens	53 mm
Nosepiece width	20 mm
Colour	anthracite



► Prescription strength of up to maximum + 4.0 or – 6.0 dpt, cyl. 4.0 dpt.
Not available with hard glass or CR 39.

uvex RX gravity zero 7102

- Rimless prescription safety spectacles
- Classic panto-style lenses
- Anatomically adjustable soft nose pads
- Transparent side shields attached with screws
- Side arms with spring hinges
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.301
Ref. no.	7102 1300 53/17
Lens	53 mm
Nosepiece width	17 mm
Colour	anthracite



► Prescription strength of up to maximum + 4.0 or – 6.0 dpt, cyl. 4.0 dpt.
Not available with hard glass or CR 39.

uvex RX gravity zero 7103

- Rimless prescription safety spectacles
- Small, oval-shaped lenses
- Anatomically adjustable soft nose pads
- Transparent side shields attached with screws
- Side arms with spring hinges
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.302
Ref. no.	7103 1900 47/17
Lens	47 mm
Nosepiece width	17 mm
Colour	silver matt



► Prescription strength of up to maximum + 4.0 or – 6.0 dpt, cyl. 4.0 dpt.
Not available with hard glass or CR 39.

uvex RX gravity zero 7104

- Rimless prescription safety spectacles
- Thin lenses
- Anatomically adjustable soft nose pads
- Transparent side shields attached with screws
- Side arms with spring hinges
- Easily adjustable comfortable Duofit ear pieces

Art. no.	6109.303
Ref. no.	7104 1600 49/17
Lens	49 mm
Nosepiece width	17 mm
Colour	titanium



► Prescription strength of up to maximum + 4.0 or – 6.0 dpt, cyl. 4.0 dpt.
Not available with hard glass or CR 39.

uvex RX sp

Lifestyle at work

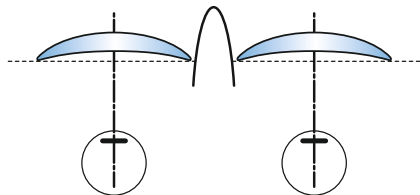
A sporty design and appealing colour combinations add a little more fun to the workplace!

All protection functions are fully integrated into the frame design, so that no separate side protection is needed as is the case with conventional protective spectacles. Maximum protection is afforded by wide side-arms, specially curved lenses and the use of high-quality plastics.

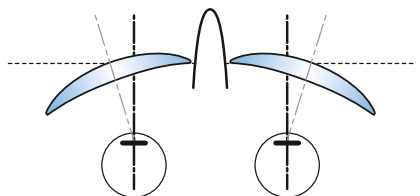


uvex anatomic sport coating

The stronger curve of the uvex RX sp frames positions the lenses at an angle in front of the eye. To avoid emerging visual defects, we only use the special uvex anatomic sport coating.



*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.*

In most cases, the prescription calculated for the uvex anatomic sport coating will differ from the original prescription. Therefore, do not use the prescription of your uvex RX sp safety spectacles for a personal pair of glasses and inform your optician.

The manufacture of uvex RX sp safety spectacles is limited to a prescription value of max. ± 5.0 dpt in the strongest HS, cyl. 2.0 dpt. uvex RX sp frames are not available in tempered glass.

Prescription safety spectacles

uvex RX sp



uvex RX sp 5507

- Sporty, wraparound plastic frame design
- Anatomically shaped soft nose bridge
- Side shields and upper eye rim protection integrated in frame design
- The wraparound side arms and soft-grip ear pieces ensure a secure fit
- Interchangeable lens inserts for anatomic lenses

Art. no.	6109.211
Ref. no.	5507 5520 59/18
Lens	59 mm
Nosepiece width	18 mm
Colour	brown/white



Art. no.	6109.212
Ref. no.	5507 7820 59/18
Lens	59 mm
Nosepiece width	18 mm
Colour	lime/white



► Prescription strength of up to maximum +/- 5.0 dpt, cyl. 2.0 dpt.
Special anatomic sports lenses compulsory. Not available with hard glass.

uvex RX sp 9229

- Sporty, wraparound plastic frame design
- Anatomically shaped soft nose bridge
- Side shields and upper eye rim protection integrated in frame design
- Specially-shaped frames provide protection against particles from below
- Thin anatomic lenses
- Easily adjustable comfortable Softform ear pieces

Art. no.	9229.191
Ref. no.	9229 191 56/19
Lens	56 mm
Nosepiece width	19 mm
Colour	grey



Art. no.	9229.190
Ref. no.	9229 190 56/21
Lens	56 mm
Nosepiece width	21 mm
Colour	grey



Art. no.	6108.203
Ref. no.	5509 2000 56/19
Lens	56 mm
Nosepiece width	19 mm
Colour	white



Art. no.	6108.204
Ref. no.	5509 2000 56/21
Lens	56 mm
Nosepiece width	21 mm
Colour	white



Art. no.	6108.205
Ref. no.	5509 3080 56/19
Lens	56 mm
Nosepiece width	19 mm
Colour	dark metallic blue



Art. no.	6108.206
Ref. no.	5509 3080 56/21
Lens	56 mm
Nosepiece width	21 mm
Colour	dark metallic blue



► Prescription strength of up to maximum +/- 5.0 dpt, cyl. 2.0 dpt.
Special anatomic sports lenses compulsory. Not available with hard glass.



uvex 5508

- Sporty, wraparound plastic frame design
- Anatomically shaped soft nose bridge
- Protective function integrated in frame design
- Large anatomic lenses
- Fashionable wraparound side arms with soft components for a comfortable, secure fit

Art. no.	6109.213
Ref. no.	5508 1378 62/16
Lens	62 mm
Nosepiece width	16 mm
Colour	anthracite/lime



► Prescription strength of up to maximum +/- 5.0 dpt, cyl. 2.0 dpt.
Special anatomic sports lenses compulsory. Not available with hard glass.

Prescription safety spectacles

Certification and labelling

The frames and lenses of tailor-made prescription safety spectacles must feature a permanent EN 166 mark in order to fulfil the standards prescribed by EN legislation. Independent testing institutes carry out certification at regular intervals.

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

Markierung nach EN 166

Lens marking			
Manufacturer identification	Optical grade	Mechanical strength	
W = uvex	1	S = Increased robustness F = Low-energy impact (45 m/sec.)	<p>W 1 F CE</p> <ul style="list-style-type: none"> W: Manufacturer identification 1: Optical grade F: Mechanical strength CE: Conformity sign
Frames marking			
Manufacturer identification	Mechanical strength	Applicable EN standard	
W = uvex	S = Increased robustness F = Low-energy impact (45 m/sec.)	166	<p>W F 166 CE</p> <ul style="list-style-type: none"> W: Manufacturer identification F: Mechanical strength 166: EN Norm CE: Conformity sign

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

Greater strength

Ball bearing drop test,
Dropping a ball bearing (44g) against the lens/supporting frame from a height of 1.30 m

Identification class: "S"

Impact resistant, low energy

Firing a ball bearing (0.88g) against the lens/
supporting frame,
Impact speed 45 m/s (Δ 162 km/h)

Identification class: "F"

If the mechanical strength class on the lenses is different from that of the frame, then the lower of the two counts for the protective eyewear overall.

Please note that because of the mandatory labelling obligation, no unglazed lenses may be sold. Modifications of the complete spectacles which might reduce their protective function should not be carried out.

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

Prescription safety spectacles

Lens materials · Focus types


Lens materials

Lens material	Specification			Approval / Marking			Application / Protective value				
	Specific weight g/cm ³	Index material	Abbe-Index	Manufacturer identification	Optical grade	Mechanical strength	Chemical resistance	Resistance against sparks	Mechanical impact resistance	Scratch resistance	
Plastic											
CR 39 modified	1.3	1.5	58	W	1	S	++	++	+	+	Hard coating optional
High Index 1,6	1.33	1.6	42	W	1	S	++	++	+	++	Hard coating included
High Index 1,67	1.4	1.67	32	W	1	S	++	++	+	++	Hard coating included
Polycarbonate (PC)	1.2	1.59	30	W	1	F	+	++	+++	++	Hard coating included
Trivex	1.1	1.53	46	W	1	F	+++	++	+++	++	Hard coating included
Silicate											
Hard glass modified, hardened	2.5	1.52	59	W	1	S	+++	+	+	+++	Optical crown glass – hardened glass is heavier.

Focus types

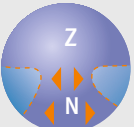

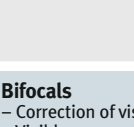
Single vision

– Correction of visual defect in far, in-between or near distance

	Specific height Box measure
 <p>– from approx. + 3.5 dpt. aspherical design recommended</p>	Measure from approx. +/- 3.0 dpt. recommended

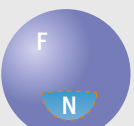
Nahcomfort

– Extended area for near and in-between distance
 – suitable for working distance from 40 cm. to approx. 3 m
 – Middle part of the lens adjusted to a working distance from 60 to 80 cm
 – Three versions available referring to prescription for reading distance (Addition)
 – Respectively Age of the wearer

 <p>Nahcomfort Type A – Degression 0.75 dpt. – Optional Age < 50 years</p>	min. 16 mm
 <p>Nahcomfort Type B – Degression 1.25 dpt. – Optional Age 50 – 55 years</p>	min. 16 mm
 <p>Nahcomfort Type C – Degression 1.75 dpt. – Optional Age > 55 years</p>	min. 16 mm

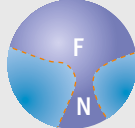
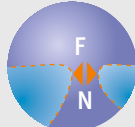
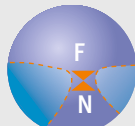
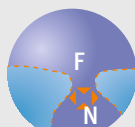
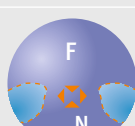
Bifocals

– Correction of visual defect in far and reading distance
 – Visible segment for near distance
 – Steplike change from far distance to near distance at the edge of segment
 – Instantly well-tolerated, visible edge of segment supports orientation

 <p>C 28 – Curved segment offers „softer“ change from far to near distance – Width of segment: 28 mm, curved</p>	
--	--

Varifocals

– Correction of visual defect in far, in-between and near distance
 – Gliding change from far distance to near distance (progressive canal)
 – The non-visible gliding zone corrects in-between distances

	Specific height Box measure
 <p>Varifocal Standard – Standard area for far distance and near distance – Long, narrow canal of progression</p>	min. 22 mm
 <p>Varifocal Pro Work – Large area for far distance – Wide canal of progression – Optimized area for reading distance</p>	min. 19 mm
 <p>Varifocal Piccolo – Suitable for flat frames – Large area for far distance and near distance – Shortened canal of progression</p>	min. 16 mm
 <p>Varifocal Top One – Very comfortable, large long-distance and close-up field of vision – Wide canal of progression for added convenience – Minimal blur in peripheral vision</p>	min. 18 mm
 <p>Varifocal Optima – Individual adjusted multifocal lens of latest generation – Wide field of view for any distance – Improved design – Almost no blurred zones in peripheral area</p>	min. 16 mm

Prescription safety spectacles

Special lenses

Higher-index plastic lenses

Higher-index plastic lenses have a higher shear strength index than CR 39 lenses. The higher index of refraction creates a stronger deflection of light on the lens surface, making it possible to create thinner lenses.

The index of refraction indicates the optical thickness of a lens material. The thicker the lens is optically, the slower the light passes through the material and the greater is the deflection of light. Lenses with a high index of refraction therefore have a higher refractive power.

Higher-index plastic lenses are recommended for approx. +/- 4 dpt and upwards.

For single vision lenses, plastic lens materials with an index of HI 1.6 and HI 1.67 are available.

Varifocal lenses are available in HI 1.67 plastic. HI lenses come with a scratch-resistant coating.

Aspheric lenses

The concave design of aspheric lenses is not consistent, but flattens towards the edges. The geometry of aspheric plastic lenses has been optimised, making them thinner and lighter and less cambered than standard lenses.

Aspheric plastic lenses are recommended for approx. + 3.50 dpt and upwards.

UV 400 – Coating

The surface of plastic lenses is coated with a special substance which absorbs up to 400 nm of radiation transmitted. Consequently, these lenses afford up to 100% UV-A, UV-B and UV-C radiation protection. The coating is therefore suitable for protective lenses for applications such as dermatological PUVA treatment.

The coating is available for CR 39 lenses and may be combined with an anti-reflective coating. However, it cannot be combined with scratch-proof coatings.

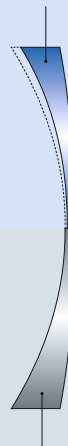
Higher-index plastic lenses

Lens with + effect
 $n \triangleq 1.60$



Lens with + effect
 $n \triangleq 1.60$

Lens with - effect
 $n \triangleq 1.60$



Lens with - effect
 $n \triangleq 1.50$

Lens with - effect
 $n \triangleq 1.67$



Lens with - effect
 $n \triangleq 1.50$

E.g.: CR 39 lens ($n = 1.50$)

Didymium lenses

Didymium lenses have the special property that they absorb the yellow sodium line at 589 nm, which is why they are mainly used in glass blowing applications.

When glass is heated, it releases a yellow sodium line in the form of a pale yellow flame which obscures the piece being worked on. Didymium lenses filter this out, making the glass object visible while it is being heated in the flame.

However, if infrared protection is required, then didymium lenses are not suitable, as their level of IR permeability is markedly above 80%.

Didymium lenses are available in single-vision models of up to maximum +/- 4.0 dpt. As these are specially produced on request, they may require a longer delivery time.

Didymium lenses are not tested and certified according to EN 166 and are not labelled accordingly.

Prescription safety spectacles

Anti-reflective coating · Tinting

Anti-reflective lenses

Light is reflected on every lens surface, which results in an unwanted loss of light. Anti-reflective coatings reduce this effect and consequently, the loss of light.

Anti-reflective coatings based on the principle of displacement and interference can be applied to reduce reflections on lenses. Extremely thin, high-precision coatings are applied to the surface of the lens by a process of thermal evaporation.

Advantages of reflection reduction:

- Considerably higher contrast vision
- Light conductivity of the lenses is increased
- Visual discomfort is reduced
- Vision clarity is increased

There are different levels of reflection reduction:

Normal anti-reflective coating:

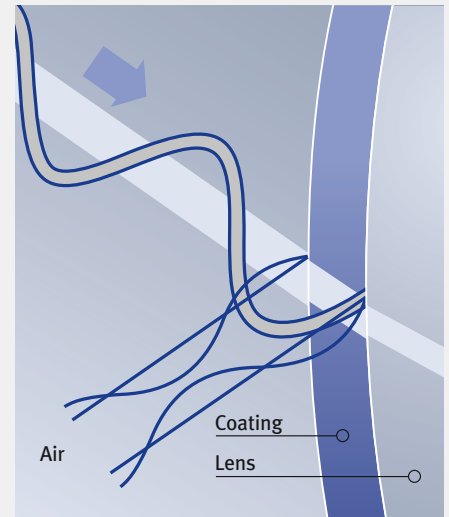
- Standard reflection reduction
- One wavelength of the visible light spectrum is cancelled out (interference)

Multiple anti-reflective coating:

- Double reflection reduction
- Two wavelengths of the visible light spectrum are cancelled out (interference)

Super anti-reflective coating:

- Maximum reflection reduction
- Many wavelengths of the visible light spectrum are cancelled out (interference)



Variomatic (variable tinting)

Lens surfaces are coated with a substance which reacts to UV radiation.

The surface changes on contact with UV light and the lens will automatically darken.

Some of the light in the visible light spectrum is absorbed more strongly, thereby protecting the eyes against strong light. In the absence of UV radiation, the lenses will automatically lighten again.

Variomatic lenses come with a basic tint of approx. 8 – 10 %, and depending on the intensity of UV radiation and the temperature, they adjust the tint to approx. 70%.

Variomatic lenses are available for prescription safety eyewear in polycarbonate and Trivex.



Tinting (constant)

For protection from glare, e.g. for working outside, prescription protective glasses and glasses for work in front of a monitor can be produced with tinted lenses.

Tinting is available in grey or brown in absorption levels varying from 15% to 75%.

Tinted lenses are not available in hard glass.

We would point out that glare protection filters with tinting of >20 % are not suitable for twilight and night-time use.

VDU spectacles

Metal frames

Full-rim metal frames



uvex 3102



uvex 3103



uvex 3104



uvex 3106



uvex 3107



uvex 3108



uvex 3109



uvex 3110

uvex 3102	
Art. no.	6110.025
Ref. no.	3102 1900 53/18
Colour	satin silver
Lens size	53 mm
Nosepiece width	18 mm

uvex 3103 Half-eye spectacles	
Art. no.	6110.018
Ref. no.	3103 1400 50/20
Colour	gun
Lens size	50 mm
Nosepiece width	20 mm

uvex 3104	
Art. no.	6110.026
Ref. no.	3104 1000 53/18
Colour	black
Lens size	53 mm
Nosepiece width	18 mm

uvex 3106	
Art. no.	6110.019
Ref. no.	3106 5100 50/20
Colour	marone
Lens size	50 mm
Nosepiece width	20 mm

uvex 3107	
Art. no.	6110.033
Ref. no.	3107 1000 55/17
Colour	black
Lens size	55 mm
Nosepiece width	17 mm

uvex 3108	
Art. no.	6110.034
Ref. no.	3108 1400 54/18
Colour	gun
Lens size	54 mm
Nosepiece width	18 mm

uvex 3109	
Art. no.	6110.035
Ref. no.	3109 1040 53/17
Colour	black/wine-red
Lens size	53 mm
Nosepiece width	17 mm

uvex 3110	
Art. no.	6110.036
Ref. no.	3110 7400 54/16
Colour	green
Lens size	54 mm
Nosepiece width	16 mm

VDU spectacles

Plastic frames

Full-rim plastic frames



uvex 3501*



uvex 3502*



uvex 3503*



uvex 3504*



uvex 3505*



uvex 3506



uvex 3507



uvex 3508



uvex 3509

uvex 3501*
Art. no. 6110.027
Ref. no. 3501 1029 55/16
Colour black/crystal
Lens size 55 mm
Nosepiece width 16 mm

uvex 3502*
Art. no. 6110.028
Ref. no. 3502 5500 49/18
Colour brown
Lens size 49 mm
Nosepiece width 18 mm

uvex 3503*
Art. no. 6110.029
Ref. no. 3503 1029 55/17
Colour black/crystal
Lens size 55 mm
Nosepiece width 17 mm

uvex 3504*
Art. no. 6110.030
Ref. no. 3504 1525 52/15
Colour grey/crystal
Lens size 52 mm
Nosepiece width 15 mm

uvex 3505*
Art. no. 6110.023
Ref. no. 3505 2900 55/16
Colour crystal
Lens size 55 mm
Nosepiece width 16 mm

uvex 3506
Art. no. 6110.037
Ref. no. 3506 3329 55/16
Colour blue/transparent
Lens size 55 mm
Nosepiece width 16 mm

uvex 3507
Art. no. 6110.038
Ref. no. 3507 5500 56/17
Colour brown
Lens size 56 mm
Nosepiece width 17 mm

uvex 3508
Art. no. 6110.039
Ref. no. 3508 1000 54/18
Colour black
Lens size 54 mm
Nosepiece width 18 mm

uvex 3509
Art. no. 6110.040
Ref. no. 3509 5500 53/16
Colour brown
Lens size 53 mm
Nosepiece width 16 mm

* On account of the flat lens shape, these frames are only suitable for single vision lenses.

VDU spectacles

Nylor frames

Nylor frames



uvex 2101



uvex 2103



uvex 2104

uvex 2101

Art. no.	6110.012
Ref. no.	2101 4100 52/18
Colour	red
Lens size	52 mm
Nosepiece width	18 mm

uvex 2103

Art. no.	6110.016
Ref. no.	2103 3400 50/20
Colour	steel blue
Lens size	50 mm
Nosepiece width	20 mm

uvex 2104

Art. no.	6110.024
Ref. no.	2104 1900 54/18
Colour	satin silver
Lens size	54 mm
Nosepiece width	18 mm



VDU spectacles

Rimless frames

Rimless frames



uvex 1101



uvex 1102



uvex 1103



uvex 1104

uvex 1101	
Art. no.	6110.006
Ref. no.	1101 1000 50/20
Colour	black
Lens size	50 mm
Nosepiece width	20 mm

uvex 1102	
Art. no.	6110.007
Ref. no.	1102 5100 51/20
Colour	copper
Lens size	51 mm
Nosepiece width	20 mm

uvex 1103	
Art. no.	6110.008
Ref. no.	1103 3400 49/20
Colour	steel blue
Lens size	49 mm
Nosepiece width	20 mm

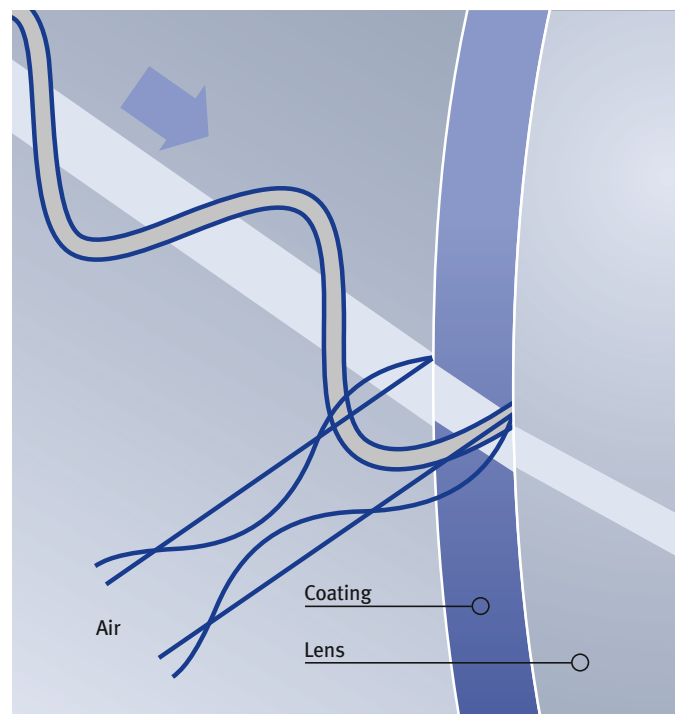
uvex 1104	
Art. no.	6110.009
Ref. no.	1104 4100 48/20
Colour	red
Lens size	48 mm
Nosepiece width	20 mm

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 $\approx 4\%$	Residual reflection $< 2\%$



VDU spectacles

Spectacle lens technology

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.



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.

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.

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 lens, the wearer has to change his normal head posture and hold his 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.

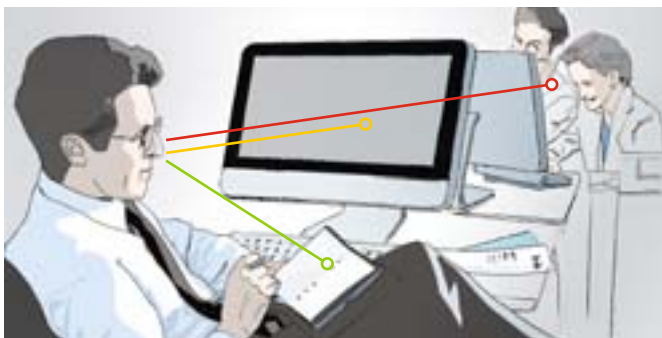
The advantages are:

- Seamless focused vision from 40 cm to approx. 3 metres.
- 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.



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. 40cm and 3m. The unique design facilitates unimpaired vision in the essential focal zones.



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.

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

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. 3m.
- The transitions between the different zones are smooth, similar to varifocal lenses.

Advantages of Nahcomfort lenses

- Seamlessly sharp vision at distances of approx. 40 cm to 3m. (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.

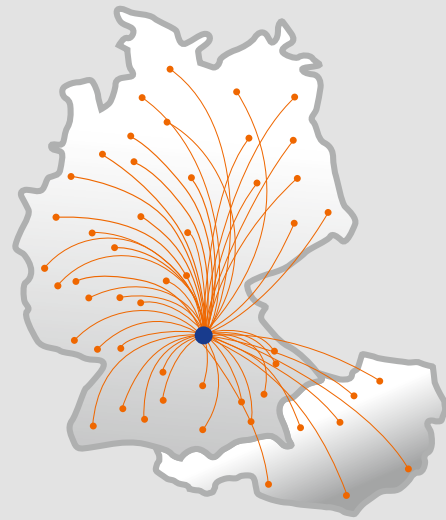
Lens material/style

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

When ordering, please state the preferred type of lens, material and style.

Prescription safety spectacles

Partnership with uvex



Summary of your benefits

- Customised solution for each member of staff
- Legal security based on certified products
- Spectacles can be supplied locally
- Safety training carried out at your premises
- Training and information on risks given in the workplace
- Individual advice on products to suit the particular work area
- Huge selection of frames
- Extensive selection of lens materials and designs



A strong network

Wherever you are

With tailor-made products, it is particularly important to be able to offer customers fast, expert service on the spot.

In addition to personal customer care by our team of specialists, uvex works with a nationwide network of optical specialists in the prescription safety eyewear sector.

Our service opticians carry a wide sample range and will be happy to assist you in selecting the right products for your optical requirements in the workplace.

The required measurements are taken by experts and the order is forwarded directly to us by the partner opticians. Your order for prescription safety spectacles is then manufactured in the uvex factory.

In the context of further training at our uvex academy, we are offering a practical seminar, which will enable members of staff, for example the personnel responsible for occupational safety, to carry out their own eyewear selection in the business (see next page).

There are a number of different ways of obtaining uvex prescription safety glasses. We would be happy to assist you in identifying the best way for you. Please do not hesitate to contact us.

uvex academy

Prescription safety eyewear



A practical introductory seminar on eye protection with corrective lenses.

- Information on legal requirements, testing requirements and standards
- Information on prescription safety glasses
- Explanation of the different types of glass used to make lenses and the different materials used for the frames, and their characteristics and special features
- Explanation of different lens strengths and their optimal use
- Risk assessment of each workplace and advice on choosing the correct prescription safety glasses
- How to determine what adjustments need to be made to prescription glasses
- Practical demonstration on how to choose and adjust prescription safety glasses and provide advice
- Advice on handling and caring for prescription safety eyewear

Target group

Those responsible for the work-related health and safety of employees within a company and adjusting prescription safety glasses, e.g. health and safety officers, company doctors and their support staff.



For more information or to book a place, please visit uvex-academy.de, call +49 (0)911 9736 1710 or email academy@uvex.de

Tailor-made hearing protection

uvex high-fit

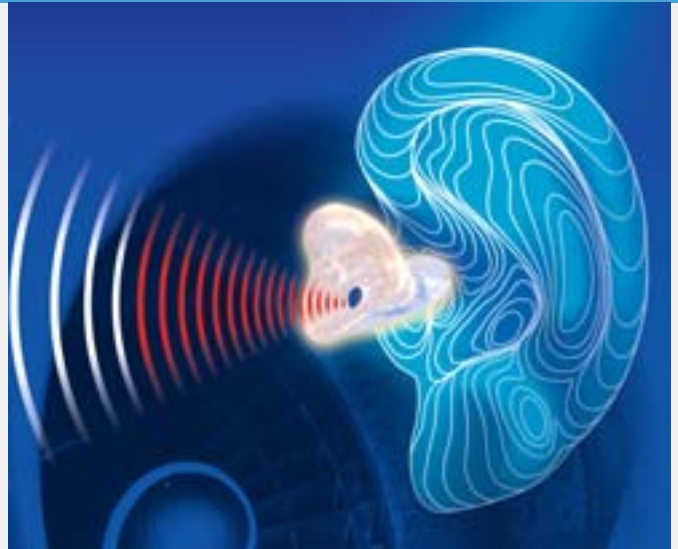


uvex high-fit

Tailor-made hearing protection

Noise-induced hearing loss is still one of the most common occupational hazards. It generally develops painlessly and without warning. The danger 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 care of 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 reduction in the ability to concentrate, which may result in increased personal risk and negative effect on 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 feelings of isolation.

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 insulation values are tested and certified according to EN 352-2.

In an assessment carried out by the professional association, hearing protection products can be categorised as particularly well-suited to use in special areas of application.

The additional applications are defined as follows:

S – Signal hearing in rail track superstructure construction

V – Signal hearing in road traffic

W – Alarm signal hearing, general

Information is supplied with individual products.

There are many different materials available for use depending on personal preferences and areas of application. All the materials used are hypoallergenic and dermatologically tested. An anti-bacterial nano-coating ensures that germs and bacteria do not multiply.

uvex high-fit otoplastics are simple to use and keep clean. They can be washed in water and if necessary, liquid soap.

If they are treated with care, uvex high-fit otoplastics can be used for around four to six years, making them extremely economical over the period of their service life.



uvex high-fit

Service



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 on the risks in the workplace provided
- 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 and personnel authorized 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

Functional testing

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

To arrange the functional checks for your uvex high-fit otoplastics, for which a fee is payable, please speak to your uvex contact directly.

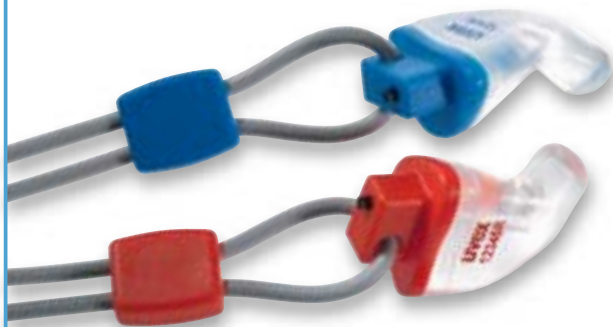
Phone: **+49 (0)911 9736-0**

Fax: **+49 (0)911 9736-1650**

email: **high-fit@uvex.de**

uvex high-fit

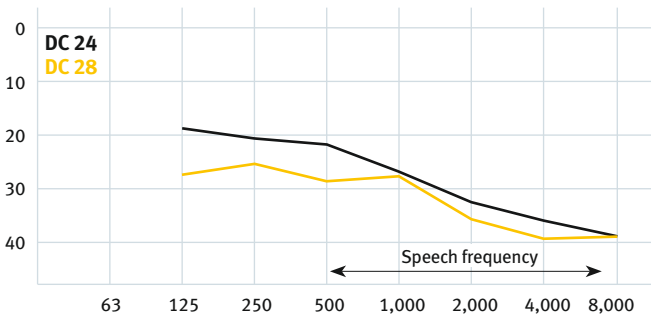
Industrial otoplastics



uvex high-fit DC

- Tailor-made auditory canal otoplastics
- Two-component part otoplastic: fixed holder with comfortable grip made of ABS ensures easy handling
- The auditory canal piece is made of thermo-soft material which ensures that it maintains its shape while the device is being inserted into the canal, but which becomes softer with body heat within minutes of insertion to offer a high level of wearer comfort
- Easy identification of left or right side by different colour holder
- Smooth, even surface
- Absolutely silicone-free – well-suited for paintshops
- Can be easily cleaned

Frequency-dependent attenuation



Art. no.	6170.624	6170.628
SNR	24 dB(A)	28 dB(A)
Additional application	W	W
Colour	transparent	transparent
Holder	red / blue	red / blue

Spare filter

Art. no.	6177.031	6177.032
SNR	24 dB(A)	28 dB(A)
Additional application	W	W
Colour	black	yellow

uvex high-fit LS

- Soft silicone material (confirmed as dermatologically compatible)
- Soft surface, excellent grip
- Shaped grip for easy handling
- Equipped with antibacterial nano-coating
- Equipped with laser-produced stainless steel filter
- Prepared for adaptation to communication units
- Can be easily cleaned

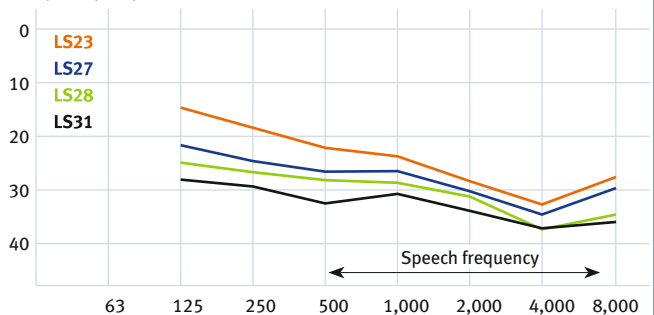


Art. no.	6170.223	6170.227	6170.228	6170.231
SNR	23 dB(A)	27 dB(A)	28 dB(A)	31 dB(A)
Additional application	W	W, S, V	W, S, V	W, S, V
Colour	transparent	transparent	transparent	transparent

Spare filter

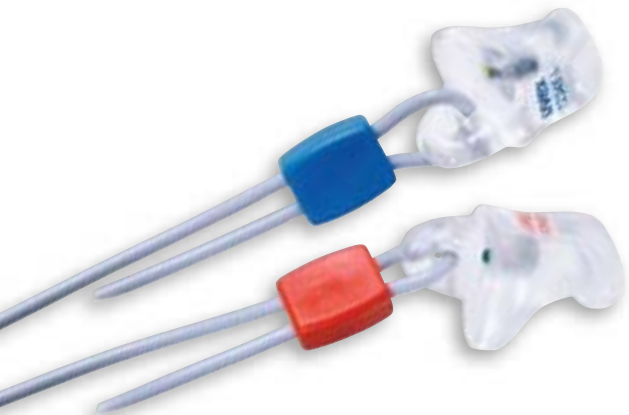
Art. no.	6177.061	6177.062	6177.063	6177.064
SNR	23 dB(A)	27 dB(A)	28 dB(A)	31 dB(A)
Additional application	W	W, S, V	W, S, V	W, S, V

Frequency-dependent attenuation



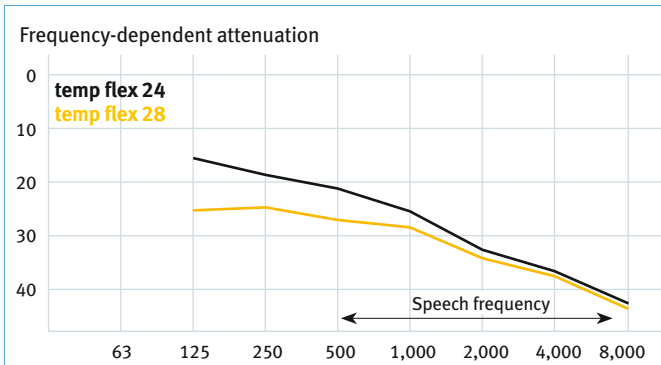
uvex high-fit

Industrial otoplastics



uvex high-fit temp flex

- Individually moulded hearing otoplastic
- The auditory canal piece is made of thermo-soft material which ensures that it maintains its shape while the device is being inserted into the canal, but which becomes softer with body heat within minutes of insertion to offer a high level of wearer comfort
- Smooth, even surface
- Absolutely silicone-free – well-suited for paintshops
- Can be easily cleaned



Art. no.	6170.524	6170.528
SNR	24 dB(A)	28 dB(A)
Additional application	S, W	S, W
Colour	transparent	transparent

Replacement filter

Art. no.	6177.031	6177.032
SNR	24 dB(A)	28 dB(A)
Additional application	S, W	S, W
Colour	black	yellow

uvex high-fit flex

- Individually moulded hearing otoplastic
- Soft silicon material (confirmed as dermatologically compatible)
- Soft surface, excellent grip
- Shaped grip for easy handling
- Equipped with antibacterial nano-coating
- Can be easily cleaned

uvex high-fit flex detec

The detectable variants of the uvex high-fit flex otoplastics are equipped with a metal ball bearing and a detectable blue rubber band to ensure they can be found by metal detectors.



uvex high-fit flex

Art. no.	6170.023	6170.026	6170.028
SNR	23 dB(A)	26 dB(A)	28 dB(A)
Additional application		S, W	S, W
Colour	transparent	transparent	transparent

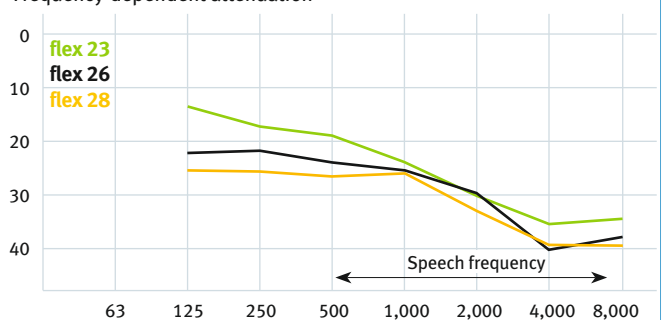
uvex high-fit flex detec

Art. no.	6170.423	6170.426	6170.428
SNR	23 dB(A)	26 dB(A)	28 dB(A)
Additional application		S, W	S, W
Colour	transparent	transparent	transparent
Special feature	detectable	detectable	detectable

Spare filter

Art. no.	6177.001	6177.002	6177.003
SNR	23 dB(A)	26 dB(A)	28 dB(A)
Additional application		S, W	S, W
Colour	green	black	yellow

Frequency-dependent attenuation

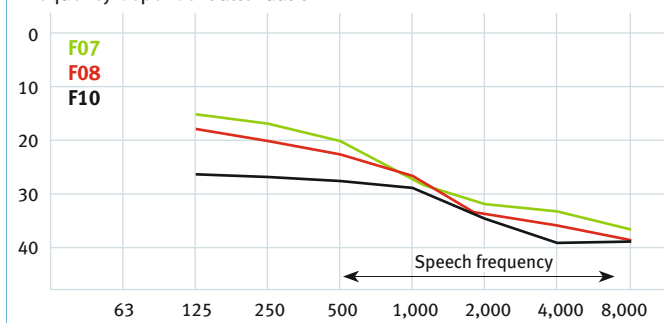


uvex high-fit

Industrial otoplastics



Frequency-dependent attenuation



Included

uvex high-fit otoplastics are supplied with a rubber cord, cleaning buds and user information in a zippered folder with belt clip. Silicone otoplastics are delivered with a tube of audinell gel.



uvex high-fit duro

- Moulded hearing otoplastic
- Duroplast material which permanently holds its shape
- Smooth, even surface
- Shaped grip for easy handling
- Absolutely silicone-free – well-suited for use in paintshops
- Can be easily cleaned

uvex high-fit duro detec

The detectable variants of the uvex high-fit flex otoplastics are equipped with a metal ball bearing and a detectable blue rubber band to ensure they can be found by metal detectors

uvex high-fit duro

Art. no.	6170.807	6170.808	6170.810
SNR	23 dB(A)	25 dB(A)	26 dB(A)
Additional application	W	W	W
Colour	transparent	transparent	transparent

uvex high-fit duro detec

Art. no.	6170.407	6170.408	6170.410
SNR	23 dB(A)	25 dB(A)	26 dB(A)
Additional application	W	W	W
Colour	transparent	transparent	transparent
Special feature	detectable	detectable	detectable

Spare filter

Art. no.	6177.051	6177.052	6177.053
SNR	23 dB(A)	25 dB(A)	26 dB(A)
Additional application	W	W	W



Colours/special features

uvex high-fit flex, high-fit flex LS, high-fit temp flex and high-fit duro otoplastics are made of transparent materials. They are marked for left and right with an engraving and also come with different coloured flex covers (or holders in the case of uvex high-fit DC).

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

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

The “detec” variants of uvex high-fit flex and high-fit duro otoplastics are equipped with a metal bearing and detectable rubber band, so that they can be found by metal detectors.

uvex high-fit

Special models



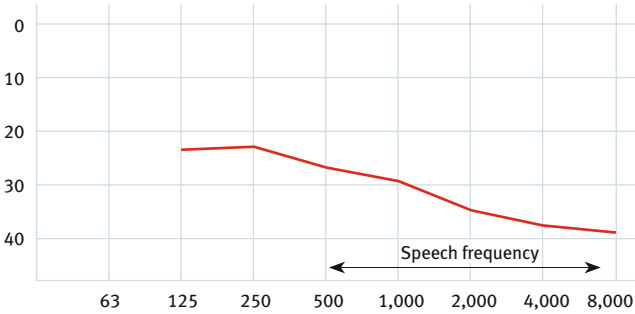
ICP insulating otoplastic

- For adaptation to conventional outer ear hearing aids
- Shell-shaped customised otoplastic for combination with outer ear hearing aid
- Dual-component otoplastic:
- Fixed holder with comfortable grip made of ABS to ensure easy handling, auditory canal piece made of thermo-soft material which ensures that it maintains its shape while the device is being inserted into the canal, but which becomes softer with body heat within minutes of insertion to offer a high level of wearer comfort
- Otoplastic is compatible with standard outer ear hearing aids

Wearers who are hard of hearing and who work in noisy environment do not have to remove their hearing aids. If the hearing aid is switched off in a noisy area, the complete passive insulation of the otoplastic will be ensured.

SNR: 27 Passive insulation without filter element when hearing aid is switched off.

Frequency-dependent attenuation



Art. no.	6172.027	6172.087
SNR	27 dB(A)	27 dB(A)
Model	Shell shape	Half shell shape
Colour	transparent	transparent

ER Elacin filter system

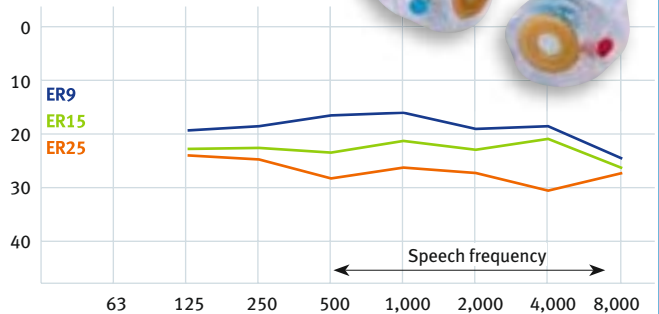
- Individually moulded auditory canal otoplastic
- Soft silicon material (confirmed as dermatologically compatible)
- Soft surface, excellent grip
- Compact, extremely unobtrusive design
- Equipped with antibacterial nano-coating
- Special membrane filter featuring linear insulation
- Specially designed for musicians and users with a great need for acoustic integrity

Art. no.	6170.909	6170.915	6170.925
SNR	10 dB(A)	15,8 dB(A)	23 dB(A)
Additional application	W	W	W
Colour	transparent	transparent	transparent

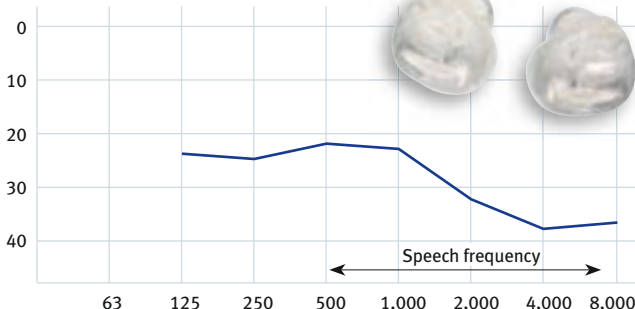
Spare filter

Art. no.	6177.081	6177.082	6177.083
SNR	10 dB(A)	15,8 dB(A)	23 dB(A)
Additional application	W	W	W

Linear attenuation, ER filter



Attenuation without filter element



uvex high-fit flex basic

- Individually moulded auditory canal otoplastic
- Soft silicon material (confirmed as dermatologically compatible)
- Soft surface, excellent grip
- Shaped grip for easy handling
- Equipped with antibacterial nano-coating
- Can be easily cleaned
- Excludes filter elements

Art. no.	6170.300
SNR	24 dB(A)
Colour	transparent

ICP Hearing System

Protection for the hard of hearing working in a noisy environment



HÖRLUCHS[®]
GEHÖRSCHUTZSYSTEME 

AS Hörluchs ICP – the world’s first hearing protection system for people with reduced hearing working in noisy environments.

The AS Hörluchs ICP (Insulating Communication Plastic) system is approved under the PPE directive as a hearing device incorporating otoplastic hearing protection and is listed in the German inventory of medical devices and auxiliaries.

The communication unit is equipped with an individually programmed operating mode for a noisy working environment. The operating mode can be quickly and easily activated using a remote control. When combined with the ICP insulating otoplastic, passive insulation is instantly achieved, giving 100% protection without being completely cut off from the outside world. By adjusting the amplification in the main area of awareness, subjects can be given back their corresponding level of awareness without exceeding the admissible tolerance values.

The ten main advantages and areas of application of the global innovation, the new ICP:

- Maintains the capacity to communicate in noisy working environments
- Optimum protective function
- Changing workplaces is not necessary
- Audibility of alarm signals in a noisy working environment (W)
- Audibility of machinery (S)
- Directional hearing possible (V)
- No over-insulation to cut off the outside world
- Can be individually tailored to the noise levels in the workplace
- Choice of five possible hearing programs
- 100% PPE (personal protection equipment) and 100% medical product

Approval according to the PPE directive DIN EN 352-2 for otoplastics (passive insulation) and approval according to the PPE directive for the system as a whole. In the case of individuals with recognised noise-induced hearing difficulties, it may be possible to claim a refund of the costs from the professional association and a contribution from the insurance.

Applications and processing must be dealt with by the individuals concerned and do not fall within the remit of uvex.

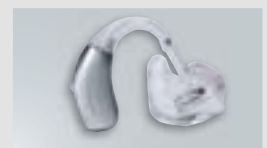
uvex is the sole distribution partner for HÖRLUCHS products for industrial applications.

Development and manufacture are carried out by HÖRLUCHS.

Adaptation and programming of ICP hearing systems are carried out by HÖRLUCHS or our team of acoustic specialists.

Contact us by email at: high-fit@uvex.de

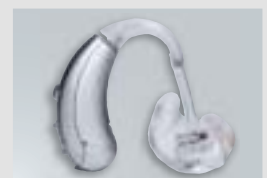
The ICP communication unit is available in the following models:



AS Hörluchs ICP XS (light)
Colours: dark grey, light grey, silver



AS Hörluchs ICP DUO (medium)
Colours: dark grey, light grey, silver



AS Hörluchs ICP P (power)
Colours: dark grey, light grey, silver



uvex medicare
Orthopaedic foot protection



uvex medicare

The logical next step in our mission



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 through uvex safety footwear. Naturally, this is accompanied by a comprehensive range of services and support.

Scientific studies prove again 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 – made by uvex. Individual. Tailor-made. Safe.

Individual testing essential

BGR 191*

The revision of German industrial health and safety legislation (Berufsgenossenschaftliche Regeln für Sicherheit und Gesundheit bei der Arbeit) in January 2007 has led to newer and clearer regulation for the use of orthopaedic inserts in and 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 BGR 191 include a requirement that only fully certified orthopaedic solutions be used. 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. Approval 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.
- From customised inserts to footwear adjustments, 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.

For a list of approved medicare partners, please visit:

uvex-safety.de
uvex-safety.at
uvex-safety.ch

uvex medicare

*Comfortable customised inserts –
Insert technology for tailor-made treatment*

Modular concept

UNIQUE MATERIAL

Featuring:

- Outstanding moisture absorption and release
- High abrasion-resistance (extended life)
- Optimum electrical conductivity



TECHNOGEL® – PUR ELASTOMER

- Cushioned front section and heel
- Well padded
- Excellent shock absorption
- Optimum electrical conductivity

MADE IN GERMANY



ORTHOPAEDIC ADJUSTMENT

- Modular design for increased customisation



UNIQUE CARBON-LOOK FILM

- Prevents insert from slipping
- Thermoplastic
- Shape-retentive to ensure excellent comfort
- Abrasion-resistant and extremely hard-wearing



COMFORTABLE FOAM

- Especially comfortable as a cover for the insert
- Soft, elasticated and firmly fixed to the cover material
- Resilient and retains elasticity
- Distributes pressure for excellent shock absorption
- Outstanding moisture absorption and release
- Extremely comfortable

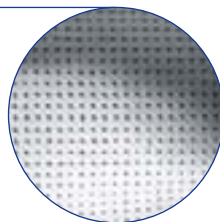


EVA soft-foam technology



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

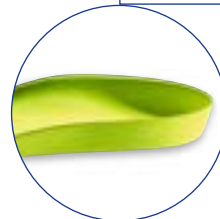
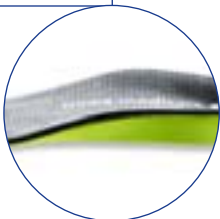
MADE IN GERMANY



VARIOUS MEDICAL CONCEPTS

Applicable – depending on classification:

- Conventional orthopaedics
- Sensorimotor function
- Spiral dynamics
- Supports correct biomechanical foot rolling
- Worn in rapidly
- High wearer comfort



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

uvex medicare

Orthopaedic shoe adjustments – Professional and discreet



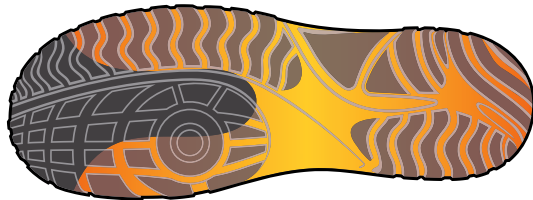
SHOE LIFT

A shoe lift is required to balance legs of different length. A shoe lift should never exceed 3 cm.



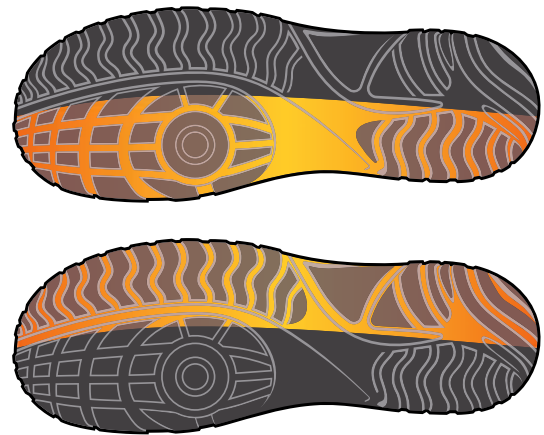
ROLLER SOLE

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.



Please note:

When preparing the rubber soles, the temperature resistance of the sole is reduced to 60°C.



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