Contents
The virtual companion for prescription safety spectacles

uvex i-3 add safety spectacles with invisible integrated dioptre correction  Page 3
uvex online ordering system  Page 4-5
Frequently Asked Questions - FAQ’s  Page 6
uvex RX cd collection  Page 8-10
uvex cb collection  Page 11
uvex basic collection plastic prescription safety frames  Page 12
uvex basic collection metal prescription safety frames  Page 13-14
uvex RX sp  Page 15
uvex RX sp sport collection prescription safety frames  Page 16-17
uvex prescription safety goggles  Page 18
Lens types, materials and tints  Page 19
Certification and labelling  Page 20
uvex prescription office/VDU spectacles  Page 22-25
uvex prescription self-contained breathing apparatus (SCBA) eyewear  Page 26
Multiple form request  Page 27

Why uvex?

- 30 years of UK industry service excellence and short lead-times
- Product is manufactured in the UK
- Committed to providing quality products and services
- Customer friendly process
- Internal and external prescription experts - our sales team have a combined 270 years’ experience
- Supported by Essilor, one of the world’s leading lens manufacturers
Optimum protective eyewear means improved, safe vision.

uvex i-3 add safety spectacles have invisible integrated dioptre correction for near vision. Strain on the eyes is effectively reduced (e.g. when reading) and the patented lens technology ensures an instant high level of compatibility for wearers. At the same time, the uvex i-3 add spectacles provide secure protection and high levels of 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 correction of near vision. (+1.0 dpt. and +2.0 dpt.)

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**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.

### 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 middle region and the strength increases gradually towards the lower edge of the lens. 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.

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**Made in Germany**

Patent no.: DE 10 2012 207 384

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**uvex i-3 add**

<table>
<thead>
<tr>
<th>Art. no.</th>
<th>Frame</th>
<th>Lens</th>
<th>Strength</th>
<th>Supravision excellence</th>
</tr>
</thead>
<tbody>
<tr>
<td>6108.210</td>
<td>anthracite, lime</td>
<td>PC clear UV 400</td>
<td>1.0 dpt. uvex supravision excellence</td>
<td></td>
</tr>
<tr>
<td>6108.211</td>
<td>anthracite, lime</td>
<td>PC clear UV 400</td>
<td>2.0 dpt. uvex supravision excellence</td>
<td></td>
</tr>
</tbody>
</table>

Including soft spectacles case with microfibre cloth

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Flexible nose loops
The extremely soft adjustable Softflex nose loops ensure a secure fit and can be 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.
uvex’s online ordering system allows customers to order prescription eyewear quickly and easily. The automated system enables approved personnel (Authorising Officers) to:

- Generate a form quickly: for print or to be emailed to an employee
- Create and track the status of new prescription orders as they move through the manufacturing process: from when the Authorising Officer generates the form through to the order being despatched to the optician and finally invoiced
- Review historical orders and run user reports

For more information about the uvex prescription online ordering process, please visit www.uvex-safety.co.uk/prescription. To speak to a member of our prescription team call 01252 725552 or email help-prescription@uvex.co.uk.
The Optician’s Portal is a great advantage to the flow and speed of the order process and will give employees a better experience when they visit the optician.

If an employee chooses a frame or a lens type which is not on your pre-approved list for selection, the optician can advise the employee straightaway. The employee will then have a choice to either choose something from the pre-approved list or to continue with the order. If they choose the latter, uvex will seek approval as necessary. Orders will be placed on hold until approval is granted.

Once registered your Optician will be able to:

1. See the approved frames for your employees
2. Review and complete all fields to ensure timely processing
3. Submit the order which will go straight into production. Delays will only occur if there is a query with the order e.g. obtaining approval for non-standard items or obtaining purchase order numbers
4. Check the status of the order at any point once in production and advise the employee accordingly

Another advantage of the optician’s portal is that uvex will be able to pay the optician for the dispensing and sight test fees by BACS payment, saving administration time and providing increase traceability.
How do I get my spectacles?

Go to your Authorising Officer/Line Manager who will generate an online order or pre-printed form and sign it. Then take this form to your chosen optician who will carry out an eye test and order your spectacles.

Which optician do I go to?

Your company may have chosen a designated optician to which you must go, this may well be printed on the form under “optician name”. Your authorising officer will know and inform you if this is the case. If a designated optician has not been specified, then you can visit any optician of your choice. However, frames may not be available to try on.

How do I choose a frame?

Your company may have specified certain frames that they will allow you to wear. These will be on the form under “approved frames”. If this is not the case, the complete range can be seen in this brochure from which your choice can be made. If a designated optician has been chosen, then sample frames will be available to try on.

What happens if the frame isn’t at the opticians to try on?

Your optician can call uvex to order a sample frame. When this arrives, your optician will inform you that it has done so and will arrange a further appointment for you to try on the frame.

What if I have recently had an eye test?

If you have your current eye prescription details you can take these to the optician along with the uvex form and the optician will complete the form with your details and order the spectacles as normal.

Do I have pay for my eye test and claim it back from my company?

Provided your company pays for your eye test, uvex can arrange to pay the optician on your behalf and then invoice your company. This way, no money changes hands at the optician.

How can my company access the portal?

The opticians portal is a free elective service that an optician can quickly register for. Vision Express has transitioned on to the system with all stores going live in January 2019.

How can my company obtain uvex forms?

Forms are generated online or uvex can provide them free of charge with relevant information preprinted to ease the process. The Authorising Officer should complete the inside back cover of this brochure, scan and email or fax it back to uvex and we will do the rest. The more information your company can provide, the smoother the process will work.

What is the benefit of a designated optician?

Uvex will provide your designated optician with the appropriate frames, allowing employees to try them on for style and fitting purposes. Frames need to be measured on the individual’s face in order to achieve ocular precision. In addition, fees can be agreed providing consistent invoice levels.

How can my company set up a designated optician?

Often the company Safety Officer or Occupational Health Nurse will make arrangements with a local optician. Alternatively a uvex representative can arrange this for you.

Will the optician know what to do with the uvex form?

The form is quite straightforward and has all the required information on it. Generally there are no issues. However, if there are any queries, a phone call to our prescription department on 01252 725552, should solve any problems.

How long will the glasses take to manufacture?

From the date of entering your details on to our computer we average between 7 and 10 working days before the spectacles are completed.
uvex RX cd 5520

- Contemporary plastic frame
- Good fit thanks to anatomically shaped nose bridge
- Translucent lens frame for an unobstructed field of view
- uvex Comfort Sliders allow the side arm length and inclination to be adjusted for a customised fit
- The spectacles can also be worn without uvex Comfort Sliders
- Completely metal-free
- Prescription strength of up to a combined maximum +/- 6.00 sph with +/-4.00 cyl

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**uvex RX cd 5520**

<table>
<thead>
<tr>
<th>Product code</th>
<th>Ref. no.</th>
<th>Lens diameter</th>
<th>Bridge width</th>
<th>Colour</th>
</tr>
</thead>
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<tr>
<td>6109236*</td>
<td>5520 1333 54/18</td>
<td>54 mm</td>
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<tr>
<td>6109245*</td>
<td>5520 1344 54/18</td>
<td>54 mm</td>
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<td>anthracite, pink</td>
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</table>
Prescription Safety Spectacles

uvex RX cd

**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
- Prescription strength of up to a combined maximum +/- 6.00 sph with +/-4.00 cyl

<table>
<thead>
<tr>
<th>Product code</th>
<th>Ref. no.</th>
<th>Frame eye size</th>
<th>Bridge width</th>
<th>Colour</th>
</tr>
</thead>
<tbody>
<tr>
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<td>5514 1033 53/18</td>
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<tr>
<td>6109226</td>
<td>5514 1045 55/18</td>
<td>55 mm</td>
<td>18 mm</td>
<td>black, red</td>
</tr>
</tbody>
</table>

**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
- Prescription strength of up to a combined maximum +/- 6.00 sph with +/-4.00 cyl

<table>
<thead>
<tr>
<th>Product code</th>
<th>Ref. no.</th>
<th>Frame eye size</th>
<th>Bridge width</th>
<th>Colour</th>
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<tr>
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<td>5515 1347 51/17</td>
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<td>17 mm</td>
<td>anthracite, coral</td>
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<tr>
<td>6109228</td>
<td>5515 1342 57/17</td>
<td>57 mm</td>
<td>17 mm</td>
<td>anthracite, petrol</td>
</tr>
<tr>
<td>6109229</td>
<td>5515 1342 57/17</td>
<td>57 mm</td>
<td>17 mm</td>
<td>anthracite, dark red</td>
</tr>
</tbody>
</table>

* Please refer to page 12
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
- Prescription strength of up to a combined maximum +/- 6.00 sph with +/-4.00 cyl

<table>
<thead>
<tr>
<th>uvex RX cd 5518</th>
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<tbody>
<tr>
<td>Product code</td>
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<td>Bridge width</td>
</tr>
<tr>
<td>Colour</td>
</tr>
</tbody>
</table>

uvex RX cd 5505

- Close-fitting wraparound plastic frame
- Side shields and integrated brow guard for an exceptionally close fit
- Specially shaped frame provides 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
- Comes with foam seal for use when working with dust, chips or fluids. Complies with EN 166 “Protection against liquid droplets and splashes” (category “3”)
- Prescription strength of up to a combined maximum +/- 6.00 sph with +/-4.00 cyl

<table>
<thead>
<tr>
<th>uvex RX cd 5505</th>
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<tbody>
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<tr>
<td>Bridge width</td>
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<td>Colour</td>
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</table>
Prescription Safety Spectacles
uvex RX cb

*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.

**uvex RX cb 5580**
- Wide fitting plastic frame for the best fit
- Frame design with side shields and integrated brow guard easily adjustable, soft-form ear pieces for extra comfort
- Ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- Tested for use with Asian headform 2M, DIS ISO 18526-4:2018
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/-6.00 cyl

<table>
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<th>uvex RX cb 5580</th>
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<td>Ref. no.</td>
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<td>5580 3015 57/14</td>
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<tr>
<td>Bridge width</td>
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<tr>
<td>14</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>blue/grey</td>
</tr>
</tbody>
</table>

**uvex RX cb 5581**
- Plastic frame with extra wide temple width
- Frame design with side shields and integrated brow guard
- Easily adjustable, soft-form ear pieces for extra comfort
- Ideal for individuals with a flat nose bridge, high cheekbones and/or wide temples.
- Tested for use with Asian headform 2M, DIS ISO 18526-4:2018
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/-6.00 cyl

<table>
<thead>
<tr>
<th>uvex RX cb 5581</th>
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<tbody>
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<tr>
<td>Bridge width</td>
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<tr>
<td>14</td>
</tr>
<tr>
<td>Colour</td>
</tr>
<tr>
<td>grey/red</td>
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</tbody>
</table>
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
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/-6.00 cyl

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<tr>
<th>uvex RX 5502</th>
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<tr>
<td>Bridge width</td>
<td>15 mm</td>
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<tr>
<td>Colour</td>
<td>grey</td>
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</table>

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
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/-6.00 cyl

<table>
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<th>Product code 6109210</th>
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<td>Frame eye size</td>
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<tr>
<td>Bridge width</td>
<td>18 mm</td>
</tr>
<tr>
<td>Colour</td>
<td>light grey, translucent</td>
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</tbody>
</table>
## uvex RX 5102
- Fashionable, aviator-style metal frame
- Transparent side shields
- Anatomically adjustable nose bridge and easily adjustable earpieces deliver exceptional fit
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

<table>
<thead>
<tr>
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<td>Ref. no.</td>
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<td>Frame eye size</td>
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<tr>
<td>Bridge width</td>
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<tr>
<td>Colour</td>
<td>gunmetal, matt</td>
</tr>
</tbody>
</table>

Previously: uvex 9256 pilot

## 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
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

<table>
<thead>
<tr>
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<tr>
<td>Bridge width</td>
<td>17 mm</td>
</tr>
<tr>
<td>Colour</td>
<td>black, silver</td>
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</table>

## 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
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

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<td>Bridge width</td>
<td>21 mm</td>
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<tr>
<td>Colour</td>
<td>gold, havanna</td>
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## uvex 9158
- The senator is a very popular classic style safety prescription spectacle
- Features a strap nose bridge helping to alleviate pressure
- Available in various sizes for better protection and comfort
- Prescription strength up to a combined +/- 8.00 sph with +/- 6.00 cyl

<table>
<thead>
<tr>
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<tbody>
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<td>Product code</td>
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<tr>
<td>Frame eye size</td>
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<tr>
<td>Bridge width</td>
<td>18 mm</td>
</tr>
<tr>
<td>Colour</td>
<td>gunmetal, gold</td>
</tr>
</tbody>
</table>

Previously: uvex senator
uvex RX 5105
- Metal frame with flat profile
- Transparent side shields
- Anatomically adjustable nose bridge and easily adjustable earpieces deliver exceptional fit
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

uvex RX 5106
- Classic design metal frame
- Transparent side shields
- Anatomically adjustable nose bridge and easily adjustable earpieces deliver exceptional fit
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

uvex RX 5107
- Metal frame with oval-shaped lenses
- Transparent side shield
- Anatomically adjustable nose bridge and easily adjustable earpieces delivers exceptional fit
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl

uvex RX 5108
- Slim, expressive metal frame
- Transparent side shields
- Very good fit with anatomically adjustable nose bridge and easily adjustable earpieces
- Prescription strength of up to a combined maximum +/- 8.00 sph with +/- 6.00 cyl
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 RX sp 5512

- Sporty, plastic wraparound design with curved lenses and anatomic sport glazing
- Supplied with uvex tight-fit-kit consisting of headband and foam seal
- 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
- Prescription strength of up to a combined maximum +/- 3.50 sph with +/- 2.00 cyl

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

Note:
- Single vision minimum PD = 32 each eye
- Varifocal (Pro Work) minimum PD = 32 each eye
- Varifocal (Optima) minimum PD = 32 each eye
- Surcharge applies for the Optima lens
- Please note that bifocals are no longer available in this frame

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 side arms with a combination of soft and hard components ensure increased comfort and non-slip fit
- Prescription strength of up to a combined maximum +/- 3.50 sph with +/- 2.00 cyl

Note:
- Single vision minimum PD = 32 each eye
- Varifocal (Pro Work) minimum PD = 32 each eye
- Varifocal (Optima) minimum PD = 32 each eye
- Surcharge applies for the Optima lens
- Please note that bifocals are no longer available in this frame
uvex RX sp 5519
- Plastic frame with sporty wraparound 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
- Prescription strength of up to a combined maximum +/- 5.00 sph with +/- 2.00 cyl
- Please note that bifocals are no longer available in this frame

uvex RX sp 5519

<table>
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<td>21 mm</td>
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<tr>
<td>6109224</td>
<td>5519</td>
<td>55 mm</td>
<td>21 mm</td>
<td>anthracite, petrol</td>
</tr>
</tbody>
</table>

Previously: uvex 5509

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
- Prescription strength of up to a combined maximum +/- 5.00 sph with +/- 2.00 cyl
- For varifocals minimum PD = 32 each eye, minimum height 18mm
- Please note that bifocals are no longer available in this frame

uvex RX sp 5510

<table>
<thead>
<tr>
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<th>Ref. no.</th>
<th>Frame eye size</th>
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<td>5510</td>
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<td>17 mm</td>
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</tr>
<tr>
<td>6109217</td>
<td>5510</td>
<td>62 mm</td>
<td>17 mm</td>
<td>matt black, orange</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Frame eye size</th>
<th>Bridge width</th>
<th>Colour</th>
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</thead>
<tbody>
<tr>
<td>5519 5573 56/21</td>
<td>5519 1371 56/21</td>
<td>brown, olive, olive anthracite, petrol</td>
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<tr>
<td>5519 1217 62/17</td>
<td>5519 1248 62/17</td>
<td>matt black, light grey, orange</td>
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</table>
uvex Prescription Goggles
uvex goggles with inserts

When a standard prescription safety frame does not give the full protection against chemical and liquid splash or dust particles; or the risk assessment specifies a goggle – uvex has the solution.

- Prescription insert fitted securely behind the goggle lens
- Both products include optimum non-allergenic seals
- The uvex skyguard NT RX features fully adjustable side arms offering low energy impact protection and enables the wearer to achieve an individual fit. Whereas, the uvex carbonvision RX goggle has a wide, adjustable elasticated headband
- Both products feature uvex’s permanent anti-fog coating on the inside of the lens and a scratch resistant coating on the outside

**uvex skyguard NT RX**
- The uvex skyguard NT prescription insert comes as a complete unit and offers wear protection against large dust particles and liquid splash
- Combining high-tech hard and soft materials the spectacle creates a soft effective seal around the eyes which is easy to clean
- The side arms can be adjusted for a secure, comfortable fit
- The uvex skyguard NT is a close fitting, wraparound spec for unhindered vision
- Permanent uvex anti-fog lens coating on the inside, scratch resistant on the outside - Anti-fog coating does not come as standard on the prescription lenses in the insert. This is a separate request and incurs a surcharge
- The seal and prescription insert can easily be replaced

<table>
<thead>
<tr>
<th>uvex skyguard NT RX</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>6108200</td>
</tr>
<tr>
<td><strong>Frame eye size</strong></td>
<td>47 mm</td>
</tr>
<tr>
<td><strong>Bridge width</strong></td>
<td>22 mm</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>blue/black</td>
</tr>
</tbody>
</table>

**uvex carbonvision RX**
- The ideal choice when you require the protection level of goggle and the lowest profile of size and weight in one product
- This close fitting goggle is supplied with the uvex supravision extreme, permanent anti-fog coating on the inside, scratch resistant on the outside - Anti-fog coating does not come as standard on the prescription lenses in the insert. This is a separate request and incurs a surcharge
- Comes as a complete unit and offers wearer protection against large dust particles and liquid splash
- Easy to fit
- Provides absolute comfort with no leakage to the goggle seal due to the lack of side arms
- Combines high-tech hard and soft materials creating a soft effective seal around the eyes which is easy to clean

<table>
<thead>
<tr>
<th>uvex carbonvision RX</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product code</strong></td>
<td>6108201</td>
</tr>
<tr>
<td><strong>Frame eye size</strong></td>
<td>47 mm</td>
</tr>
<tr>
<td><strong>Bridge width</strong></td>
<td>22 mm</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>grey/black</td>
</tr>
</tbody>
</table>
Prescription Safety Spectacles
Focus types · Lens materials · Tinting

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

Lens materials

Polycarbonate
Additional labelling: PC
- Organic material with very high impact resistance
- Only limited resistance to chemicals
- 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
- 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

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

Constant tinting
Solid tints are available on polycarbonate and CR39 lenses. Available in two colours and three densities.

Grey
- 82% LTF (light)
- 38% LTF (medium)
- 15% LTF (dark)

Brown
- 82% LTF (light)
- 38% LTF (medium)
- 15% LTF (dark)

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 CR39 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.

<table>
<thead>
<tr>
<th>Basic requirements in accordance with EN 166 (extract)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Mechanical strength</td>
</tr>
<tr>
<td>Increased  robustness  Impact resistance, low energy  Impact resistance, medium energy</td>
</tr>
<tr>
<td>Ball bearing drop test, Dropping a ball bearing (44 g) against the lens/supporting frame from a height of 1.30 m</td>
</tr>
<tr>
<td>Identification class: S</td>
</tr>
<tr>
<td>Identification class: F</td>
</tr>
<tr>
<td>Identification class: B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional requirements in accordance with EN 166 (extract)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Resistance to liquids (droplets and splashes) Labelling: 3</td>
</tr>
<tr>
<td>• Resistance to coarse dust (grain size &gt; 5 µm) Labelling: 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Optional requirements in accordance with EN 166 (extract)</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Mechanical strength tested under extreme temperatures (+50°C and -9°C) Labelling: T</td>
</tr>
<tr>
<td>This labelling is always in combination with mechanical strength (for example, FT).</td>
</tr>
</tbody>
</table>

Marking according to EN 166

Lens marking

<table>
<thead>
<tr>
<th>Manufacturer identification</th>
<th>Optical grade</th>
<th>Mechanical strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = uvex</td>
<td>1</td>
<td>S = Increased robustness  F = Low-energy impact (45 m/sec.)  B = Medium-energy impact (120 m/s)</td>
</tr>
</tbody>
</table>

Frames marking

<table>
<thead>
<tr>
<th>Manufacturer identification</th>
<th>Mechanical strength</th>
<th>Applicable EN standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>W = uvex</td>
<td>S = Increased robustness  F = Low-energy impact (45 m/sec.)  B = Medium-energy impact (120 m/s)</td>
<td>166</td>
</tr>
</tbody>
</table>

*F* constitutes the highest mechanical strength class which a pair of spectacles can be allocated according to EN 166.
Face mask on, glasses fog!

Before, steamed up glasses was a seldom annoyance, but with more of us wearing protective face masks, it’s becoming a new norm. Optifog’s exclusive anti-fog technology helps reduce bothersome steam and fog from appearing on your lenses.

How does it work?

**Every day:** Clean your Optifog lenses using the Optifog Smart Textile that comes with your new lenses.

**Every 2 weeks:** Wash your Optifog lenses with water. To avoid contamination, it is recommended to wash your glasses every time they get dirty or after they have potentially been exposed to infected agents.

**Every 3 months (or after 450 activations):** Renew your Optifog Smart Textile.

Before handling the Optifog Smart textile, it is recommended to wash your hands and spectacles to avoid any contamination.

---

**Fog repellence**
Stays fog free even in extreme conditions*

**Scratch resistant**
Ensuring clear vision, guaranteed for 2 years (1)

**UV protection**
Protects your eyes from UVA and UVB rays

**Glare reduction**
Less reflections for clarity of vision and improved aesthetics

**Dust repellent**
Repels dust particles for clearer vision and easy to clean lenses

---

*Internal laboratory test in extreme conditions: in cold conditions from 0 C to 23 C and in hot conditions, at 52 C for 15 seconds. Optifog® lenses to be activated with the Optifog Smart Textile.*
VDU Spectacles
Visual Display Unit

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.

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 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.

Computer lenses
Computer lenses give less accommodation for fatigue and greatly relieves eye strain related to computer screen use.

2V: (see opposite for explanations)
- Less head movements, unrestricted eye movements

3V: (see opposite for explanation)
- Wide intermediate/screen and reading fields
- Small zone at the top of the lens providing limited distance field
- Less head movements required to achieve intermediate and near vision

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

Computer 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.

**Recommended for**
Wearer’s using computers either at work or at home

**Lens characteristics**
Design based on the ergonomics of visual computer tasks.

- **2V**
  - Extremely wide area of clear vision for intermediate and near vision
  - The upper portion of Varilux Computer 2V is 0.55D less positive than the ordered near prescription

- **3V**
  - Small semi-distance vision area, wide area for intermediate and near vision
  - Lens power degresses fully to distance prescription at the top of the lens

**Ordering and dispensing information**
- Minimum frame overall depth (B measurement) 30mm
- Always advise patient imperatively that lenses are not suitable for driving

**2V:**
- Full near prescription and near monocular PDs
- No fitting heights are required. Mounting reference line coincide with frame HCL (datum)

**3V:**
- Full distance prescription, reading add and distance monocular PDs
- Fit on pupil centre

**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.

<table>
<thead>
<tr>
<th>Multi anti-reflective</th>
<th>Maximum reflection reduction</th>
<th>Metal oxide is applied several times to each surface</th>
<th>Residual reflection &lt; 2%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>Ref. no.</td>
<td>Frame eye size</td>
<td>Bridge width</td>
</tr>
<tr>
<td>---------------</td>
<td>----------</td>
<td>----------------</td>
<td>--------------</td>
</tr>
<tr>
<td>uvex 3112</td>
<td>3112 123354/17</td>
<td>54 mm</td>
<td>17 mm</td>
</tr>
<tr>
<td>uvex 3107</td>
<td>3107 100055/17</td>
<td>55 mm</td>
<td>17 mm</td>
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<tr>
<td>uvex 3108</td>
<td>3108 140054/18</td>
<td>54 mm</td>
<td>18 mm</td>
</tr>
<tr>
<td>uvex 3116</td>
<td>3116 550053/17</td>
<td>53 mm</td>
<td>17 mm</td>
</tr>
<tr>
<td>uvex 3117</td>
<td>3117 159048/20</td>
<td>48 mm</td>
<td>20 mm</td>
</tr>
<tr>
<td>uvex 3118</td>
<td>3118 719055/17</td>
<td>55 mm</td>
<td>17 mm</td>
</tr>
</tbody>
</table>

VDU = Visual Display Unit
UVEX SPECTACLES
Plastic and Nylor frames

uvex 3510
Product code 6110046
Ref. no. 3510 1025 52/17
Frame eye size 52 mm
Bridge width 17 mm
Colour black, translucent

uvex 2104
Product code 6110046
Ref. no. 2104 1900 54/18
Frame eye size 54 mm
Bridge width 18 mm
Colour silver, matt

Metal Nylor Frame
uvex Prescription Spectacles
For use with self-contained breathing apparatus (BA)

uvex 9000
• For use with Sabre and Kemira respirator mask
• With short side arms this frame clips into slots moulded into the respirator

<table>
<thead>
<tr>
<th>uvex 9000</th>
<th>Colour</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame eye size</td>
<td>53 mm</td>
<td></td>
</tr>
<tr>
<td>Bridge width</td>
<td>18 mm</td>
<td></td>
</tr>
</tbody>
</table>

Available with CR39

uvex 9100
• Suitable for all respirators
• Thin metal side arms to fit close to the head to ensure little or no leakage when wearing a full face respirator

<table>
<thead>
<tr>
<th>uvex 9100</th>
<th>Colour</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame eye size</td>
<td>44 mm</td>
<td></td>
</tr>
<tr>
<td>Bridge width</td>
<td>22 mm</td>
<td></td>
</tr>
</tbody>
</table>

Available with CR39

uvex 9250
• For use with Kemira, Interspiro respirator mask
• Designed to fit inside a fill face respirator which can be easily adjusted

<table>
<thead>
<tr>
<th>uvex 9250</th>
<th>Colour</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame eye size</td>
<td>50 mm</td>
<td></td>
</tr>
<tr>
<td>Bridge width</td>
<td>20 mm</td>
<td></td>
</tr>
</tbody>
</table>

Available with CR39

uvex 9255
• For use with Draeger Panorama respirator mask
• Fits in to mask with vertical adjustment
• Insert for Draeger Futura also available

<table>
<thead>
<tr>
<th>uvex 9255</th>
<th>Colour</th>
<th>Silver</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frame eye size</td>
<td>49 mm</td>
<td></td>
</tr>
<tr>
<td>Bridge width</td>
<td>18 mm</td>
<td></td>
</tr>
</tbody>
</table>

Available with CR39
# uvex Prescription Multiple Form Request

(For new customers only. Not for individual employee use or for requesting a reprint of existing forms)

**Date:**

<table>
<thead>
<tr>
<th>Is this request for PRE-PRINTED FORMS OR THE ORDERING FACILITY? (Delete as applicable)</th>
<th>Pre-printed Forms</th>
<th>Website</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Is this request for:</th>
<th>Safety:</th>
<th>Quantity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(For printed forms only)</td>
<td>Office:</td>
<td>Quantity:</td>
</tr>
<tr>
<td></td>
<td>Both:</td>
<td>Quantity:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Where would you like printed forms to be sent? (Delete as applicable)</th>
<th>End-user</th>
<th>Distributor</th>
<th>Optician</th>
</tr>
</thead>
</table>

For the attention of:

<table>
<thead>
<tr>
<th>Company Name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Tracking number (internal use only):

<table>
<thead>
<tr>
<th>Distribution:</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Authorising person:</th>
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</table>

<table>
<thead>
<tr>
<th>Job title:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Phone/Fax number:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Email address:</th>
</tr>
</thead>
</table>

(All must be supplied if requesting to go on-line)

<table>
<thead>
<tr>
<th>Frames allowed:</th>
<th>All allowed? Please put a cross in the box:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Certain frames allowed?</th>
<th>Please put a cross in the box and list them below (showing specific colours if applicable):</th>
</tr>
</thead>
</table>

**Frames/colours:**

<table>
<thead>
<tr>
<th>Lenses:</th>
<th>Safety: CR39 Polycarbonate Glass All</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Lenses:</th>
<th>Office: CR39</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Special instructions: (Delete as applicable)</th>
<th>Safety</th>
</tr>
</thead>
</table>

No cosmetic extras.

uvex pay for eye test fee and invoice company.

All lens variants allowed. (single vision, bifocal and varifocal)

Single vision only unless specified by authorising officer

<table>
<thead>
<tr>
<th>Office</th>
</tr>
</thead>
</table>

No cosmetic extras.

uvex pay for eye test fee and invoice company.

All lens variants allowed. (single vision, bifocal and varifocal)

Single vision only.

If you require a specific optician to be printed on the form, please enter their details here:

---

Once complete, fax form to 01252 731221 or scan and email to (Sandra Sherlow) s.sherlow@uvex.co.uk