



From May 2024

**Eye Protection Glasses and Visors**

In Medical Radiation Application

**MAVIG**



As an independent researcher and manufacturer, MAVIG has been successful across the globe since 1921. MAVIG products stand for quality and reliability.

We set international standards with our intelligent solutions for the medical industry. Our products are manufactured with the latest technology and processes at the company's location in Munich, Germany.

The recognition from our customers is both an affirmation and motivation to continue to invest our energy and competence in further research and the development for innovative solutions in the medical field.



**QUALITY SIGNED AND SEALED. FOR 100 YEARS IN THE FIELD OF WORKPLACE SAFETY**

MAVIG is compliant in accordance with the applicable European Standards:

- ▶ ISO 13485 (Quality management system for medical devices)
- ▶ (EU) 2017/745 (MDR - Medical Device Regulation)
- ▶ (EU) 2016/425 (PPE regulation)

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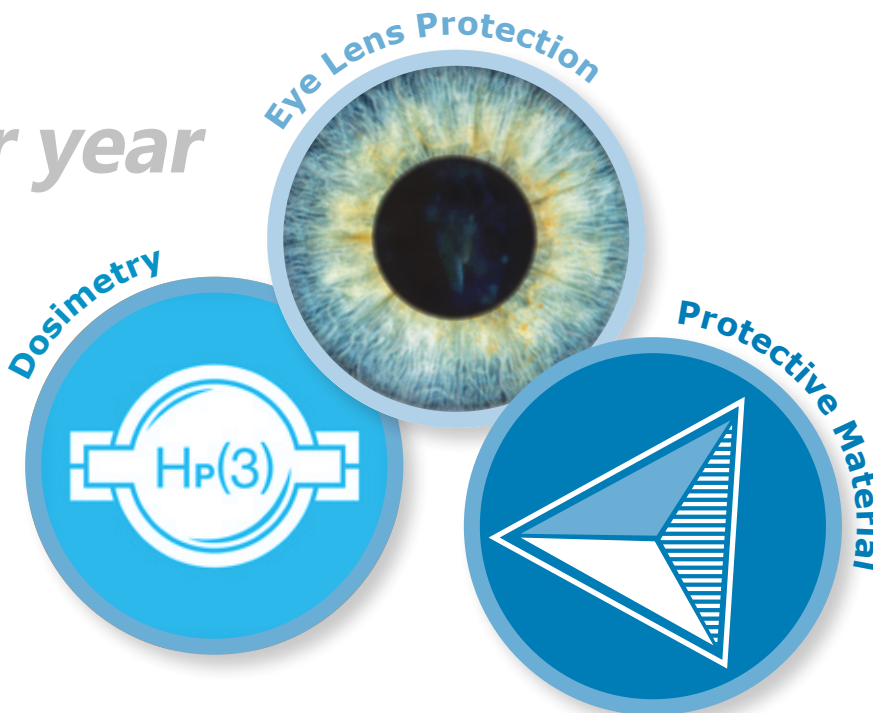
	<i>Page</i>
Tradition and Innovation	02
<b>BR/BRV</b>	<b>Index</b>
	<b>02</b>
<b>Models</b>	<b>X-Ray Protective Glasses with Lateral Protection</b>
	<b>06-15</b>
	Cataract Risk & State of Science 03
	Glasses Overview 04
	Glasses Model <b>BR125</b> (Overfit) 06
	Glasses Model <b>BR126</b> 08
	Glasses Model <b>BR130</b> 10
	Glasses Model <b>BR330</b> 12
	Glasses Models <b>BR115, BR310</b> 14
	Glasses Model <b>BR331</b> 15
	<b>X-Ray Protective Glasses Classic/Front Protection Only</b>
	<b>15</b>
	Glasses Model <b>BR119</b> 15
	<b>X-Ray Protective Visors (lead acrylic)</b>
	<b>16-17</b>
	Visor Model <b>BRV500</b> Full Face Coverage 16
	Visor Model <b>BRV501</b> Facial Coverage to the Cheek Bones 17
	<b>Glasses – Sample Case</b>
	<b>18</b>
	<b>Template Prescription Values</b>
	<b>19</b>

(see also: [www.mavig.com/products/x-ray-protection/eyeprotection/](http://www.mavig.com/products/x-ray-protection/eyeprotection/) at the end of the web page - lower area „Downloads“)

<20 mSv per year

„According to today’s knowledge, early stages of radiation-induced cataracts can occur already from a radiation exposure level of 0.5 Gy.“<sup>1) 2)</sup>

„Regardless of whether the dose occurs acutely or over an extended period, the effect is cumulative, single doses accumulate.“<sup>1)</sup>



The statutory annual dose limit value for eye lenses is 20 mSv (millisievert) for people older than 18 years who are occupationally exposed to radiation.

By default and taking into account the level of science and technology, radiation exposure is to be kept as low as reasonably achievable even below this limit.

§

With the implementation of the European EURATOM Directive 2013/59 in national legislation on February 6<sup>th</sup>, 2018 and a the new radiation protection law (introduced December 31<sup>st</sup>, 2018) the annual value for the eye lens dose is limited to a binding threshold of max. 20 mSv per year (for people older than 18 years) for the first time.

**Trielle** – MAVIG’s protective material for the frame/structure and lateral protection zones (model dependend usage). To protect an even larger area from scattered radiation, MAVIG uses an especially for X-ray protective glasses designed synthetic material for the models BR125, BR126 & BR130 and thus significantly extends the protected area.

The MAVIG glasses models BR130 and BR330 allow the **optional use of dosimeters** due to the patented dosimeter connection on the left, right or on both sides (model dependent). The dosimeter connection has been designed in such a way that there are no user restrictions and yet the best possible dosimetry is guaranteed.

**Sources of supply depending on function and country assignment**

- ▶ With dosimeter connection
  - ▶ In **Germany**: You can obtain the radiation protection glasses with dosimeter connection by the dosimetry services (AWST) of Mirion Medical GmbH (<https://awst.mirion.com>) and through MAVIG, the industry and trade. Compatible dosimeters and the dosimetry service are provided by the Dosimetrie (AWST) of the Mirion Medical GmbH.
  - ▶ In **France, Belgium and Switzerland**: Radiation protection glasses with dosimetry connection, compatible dosimeters and the dosimetry service are available from Dosilab AG ([www.dosilab.ch](http://www.dosilab.ch)).
  - ▶ If the glasses are needed in **other countries**, please contact MAVIG GmbH or Dosilab AG directly. (Dosilab AG – Phone: +41 (0) 31 744 92 00, Fax: +41 31 744 92 90, e-mail: [info@dosilab.ch](mailto:info@dosilab.ch))

1) SSK: *Radiation-induced cataracts, recommendation of the Radiation Protection Commission with scientific justification* [conference]. - Bonn, May 14th, 2009. - 234th edition Session of the Radiation Protection Commission on May 14th, 2009. - P. 9, 18, 21  
 2) Radiological Protection Ordinance: *Ordinance on protection against damage caused by ionising radiation* [Ordinance]. - October 2011 - P. 31, 32, 34

# Glasses Overview



## Virtual Try-On

Discover our new function to find the right X-ray protective glasses. This way, you can conveniently get a first impression of the optics of our different models via webcam or smartphone.\*









































**Simply scan the QR code to choose and try on suitable radiation protection glasses.**

*\* In order to guarantee optimal radiation protection properties, a real fitting is always recommended, e.g. to ensure a gap-free fit on the face.*



[www.mavig.com/virtual-mirror](http://www.mavig.com/virtual-mirror)



Model	BR125 (Overfit)	BR126	BR130
Page(s)	6-7	8-9	10-11
Colour designs	Flint Stone  /  Sahara  / 	Stardust/Curacao  /  Cocoa/Mandarin  /  Midnight/Regatta  /  Sandstone/Orange  /  Cocoa/Light Blue  / 	Shiny Onyx/Graphit  /  Shiny Onyx/Bordeaux  /  Glacier White/Graphit  /  Glacier White/Bordeaux  / 
Sizes	Universal/adjustable	"small-medium" "large"	Universal/adjustable
Adjustments	Temple length	-	-
Lead equivalents (50 - 150 kV)	Front: 0.50 mm Pb Side: 0.50 mm Pb	Front: 0.50 mm Pb, 0.75 mm Pb Side: 0.50 mm Pb	Front: 0.50 mm Pb, 0.75 mm Pb Side: 0.50 mm Pb
Weights	ca. 140 g	ca. 80 g (0.50 mm Pb) ca. 85 g (0.75 mm Pb)	ca. 95 g / ca. 118 g (0.50 mm Pb) ca. 107 g / ca. 130 g (0.75 mm Pb)
<b>Anti-reflective coating</b> Glasses strap / Case / Cloth	  /  / 	  /  / 	  /  / 
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014
<b>Optical corrections</b> Single / Bifocal / Progressive	-	  / - / 	  / - / 
Dosimetry connection*	-	-	Without or both sides <i>(dosimetry option available exclusively in the colour design Shiny Onyx/Graphit)</i>

\* Dosimeters and dosimetry services are not included in the delivery. For the purchase of compatible dosimeters, as well as the dosimetry service, please refer to the instructions on page 3.



### Selection Guide for Vision Correction

Which glasses model suits your prescription? In our new tool you can conveniently enter the values from your glasses prescription and then select a suitable model.\*








































**Simply scan the QR code, enter your values and get inspired from the pre-selection.**



\* Depending on the glasses model and prescription only a limited range of correction options for X-ray protective glasses are available.

[www.mavig.com/products/x-ray-protection/eyeprotection](http://www.mavig.com/products/x-ray-protection/eyeprotection)



BR330	BR115	BR310	BR331	BR119
12-13	14	14	15	15
Ocean Blue  Obsidian Grey/Black  / 	Black 	Tortoise 	Blue-Transparent 	Silver  Black 
Universal/adjustable	Universal	Universal	Universal	Universal
Temple length Temple inclination ± 22.5°	-	-	-	-
Front: 0.50 mm Pb Side: 0.50 mm Pb	Front: 0.75 mm Pb Side: 0.75 mm Pb	Front: 0.75 mm Pb Side: 0.75 mm Pb	Front: 0.75 mm Pb Side: 0.50 mm Pb	Front: 0.75 mm Pb
ca. 120 g	ca. 110 g	ca. 90 g	ca. 85 g	ca. 65 g
  /  / 	-  /  / 	-  /  / 	-  /  / 	-  /  / 
IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014	IEC 61331-1:2014 / IEC 61331-3:2014
  / - / 	-	  /  / 	  /  / 	  /  / 
Without, left, right, or both sides (BR330 dosimetry option is available for all colour designs)	-	-	-	-

**Our Advice**

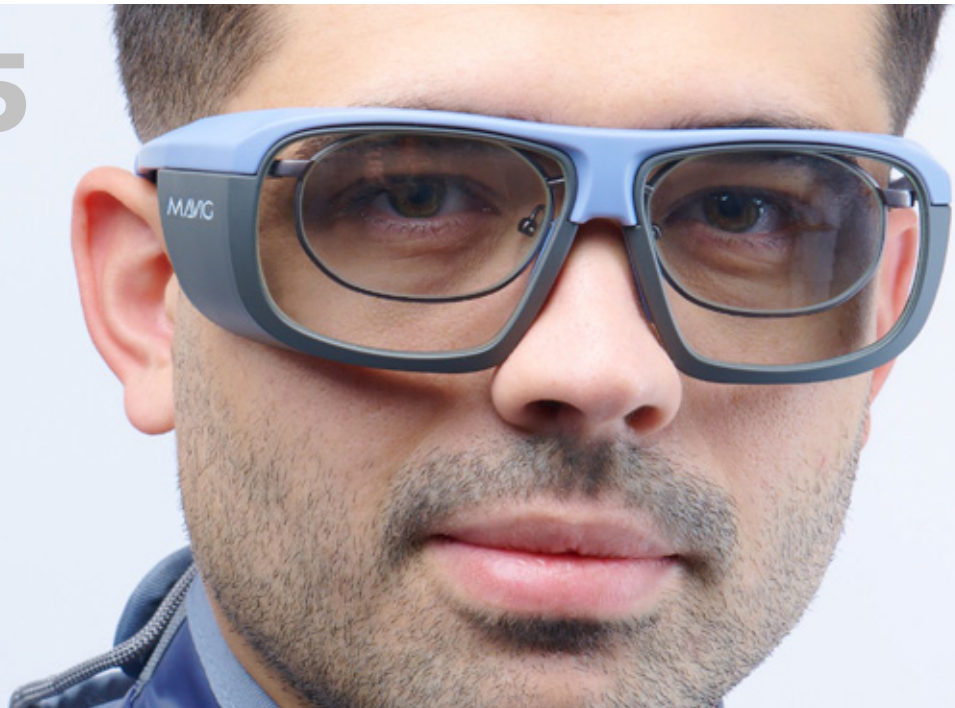
For a more comfortable fit and protection, you should always use the glasses strap supplied. X-ray protective lenses are made of lead glass. They are therefore more fragile and have a higher weight. The use of a glasses strap significantly improves wearing comfort, as the weight of the glasses is distributed more evenly and does not rest completely on the nose. It also prevents the glasses from falling off.

# BR125

New  
Overfit  
Model

Overfit  
X-Ray Protective  
Glasses

Can be worn over  
your own glasses  
or independently



The BR125 are the first X-ray protective overfit glasses that actually offer extended protection for the eyes.



- Special design for a gapfree protection from scattered radiation
- Dense closure at the cheekbones up to the temples




- X-ray protective lateral parts (leadfree) made of a material compound „Trielle“
- Patented formula, lead equivalent value of 0.50 mm Pb
- Compliant according to IEC 61331-1:2014



- Length-adjustable temples (5 steps) for a perfect and comfortable fit

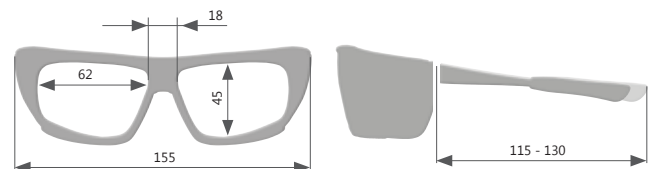
**BR125** Seamless eye protection: The entire eye rim with the adjoining lateral protection zones is made of the patented leadfree protective material "Trielle".

Colour designs	Flint Stone Sahara	
Size	Universal/adjustable	
Temple length	Adjustable	
Lead equivalent value	Front protection (50 - 150 kV) 0.50 mm Pb Side protection (50 - 150 kV) 0.50 mm Pb	
Weight	ca. 140 g	
Included	<b>Anti-reflective coating of the lenses</b> Glasses strap, case, cloth	
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014	

**Optical corrections**

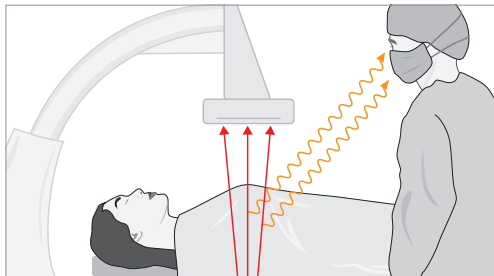


Unfortunately, corrective lenses are not available for this model.





One of the characteristics of the BR125 are the large X-ray protective glasses for a wide field of vision and the extra shielding area from radiation angled from below.



Scattered radiation not only hits the eye lenses frontally, but also at different angles - both, from below as well as from the sides.

For this reason, we have developed the BR125 X-ray protective glasses, which can guarantee extensive, gap-free protection.

Overfit – Due to its universal size, the BR125 can be worn comfortably over your own glasses, but also independently.

Optimum radiation protection and a pleasant wearing comfort oriented to the individual facial geometry are ensured through features like the soft, close-fitting temples, adjustable in length in 5 steps, and the smooth nose pads.

MAVIG uses only protective lenses of the highest quality. This guarantees the best light transmission values and a maximum lens break resistance. The ideal composition of the chemical substances and sophisticated production processes ensure maximum radiation absorption with an absolutely homogeneous distribution of the protective additives.

Fig. above:

- 1) Design Sahara
- 2) Design Flint Stone
- 3) Individually adjustable temple length, in 5 steps
- 4) Large side protection, and additionally from below
- 5) Wide X-ray protective glasses
- 6) Smooth nose pads
- 7) Extended lateral protective zone - view from the inside

**Special Quality Features** *Optimise the Use in the Medical Field*

- ✔ **Super anti-reflective lenses for relaxed and fatigue-free vision**
- ✔ **Frame made of lightweight, first-class materials with high stability**
- ✔ **Allergy-free thanks to high-quality synthetic materials**
- ✔ **Minimized risk of injury due to shape and used components**
- ✔ **Easy cleaning and superior resistance against chemical influences**  
(resistance to disinfectants)

# BR126



*A new definition  
of X-ray protection  
for the eye lenses*



The BR126 glasses are designed to best protect the user's eyes from scattered radiation from all angles of incidence.



- Special design for a gapfree protection from scattered radiation
- X-ray protection up to the temples



- X-ray protective lateral parts (leadfree) made of a material compound „Trielle“
- Patented formula, lead equivalent value of 0.50 mm Pb
- Compliant according to IEC 61331-1:2014

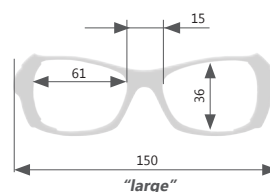
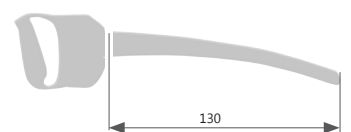
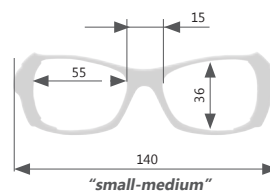


- Single and progressive lenses are feasible

**BR126** X-ray protective glasses with large-area radiation protection lenses and two side radiation protection zones adjacent to the front lenses

Colour designs	Stardust/Curacao	
	Cocoa/Mandarin	
	Midnight/Regatta	
	Sandstone/Orange	
	Cocoa/Light Blue	

Sizes	"small-medium" and "large"
Lead equivalent value	Front protection (50 - 150 kV) 0.50 mm Pb <i>or</i> Front protection (50 - 150 kV) 0.75 mm Pb Side protection (50 - 150 kV) 0.50 mm Pb
Weight	ca. 80 g (0.50 mm Pb) ca. 85 g (0.75 mm Pb)
Included	<b>Anti-reflective coating of the lenses</b> Glasses strap, case, cloth
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014





New Colour



1

New Colour



2

New Colour



3



4



5



6

Innovative radiation protection combined with ergonomics, functionality and a sporty look.

If you are looking for workplace glasses with X-ray protection, the BR126 model is a good option in a contemporary, optimised design.

Fresh look: The new colour designs were created to match our PPE collection.

The eyes are one of the most radiation-sensitive organs of the body. Therefore, in many radiological workplaces it is essential to wear suitable X-ray protective glasses.

Remember that high-quality glasses with good quality lenses are important to provide optimal assistance for the eyes. The BR126 model is not only equipped with radiation protective glass of the highest quality. The adjoining lateral protective zones are made from the patented, leadfree protective material "Trielle".

Thanks to the continuous, specially developed design, a gap-free protection against scattered radiation is guaranteed, which once again significantly extends the shielding.

It is important that the glasses are comfortable and fit the user well. The straight temple ends ensure a comfortable fit behind the ear. Because only protective glasses that are worn consistently protect against long-term damage. That's why fit and comfort are very important for a relaxed and focussed work.

Fig. above:

- 1) Design Stardust/Curacao
- 2) Design Cocoa/Mandarin,
- 3) Design Midnight/Regatta
- 4) Design Sandstone/Orange
- 5) Design Cocoa/Light Blue
- 6) Side protection panels, made of leadfree "Trielle"

**Special Quality Features** *Optimise the Use in the Medical Field*

- ✔ **Super anti-reflective lenses for relaxed and fatigue-free vision**
- ✔ **Progressive lenses that correspond to the latest state of the art**  
(modern lens design with free-form technology for a significantly wider progression zone and thus continuous, sharp vision at all distances with balanced visual comfort)
- ✔ **Allergy-free thanks to high-quality synthetic materials**
- ✔ **Minimized risk of injury due to shape and used components**
- ✔ **Easy cleaning and superior resistance against chemical influences**  
(resistance to disinfectants)

# BR130

*X-ray protective glasses with continuous radiation protection and dosimetry option*



## BR130 – Extensive shielding for the eyes against scattered radiation through X-ray protective glasses and eye frame plus lateral protection



- Special design for a gapfree protection from scattered radiation
- X-ray protection up to the temples



- X-ray protective lateral parts (leadfree) made of a material compound „Trielle“
- Patented formula, lead equivalent value of 0.50 mm Pb
- Compliant according to IEC 61331-1:2014



- Single and progressive lenses are feasible



- Flexibly adjustable nose pad
- Inclinable temples for a perfect fit
- Rubberised temple tips for a good grip and comfortable fit

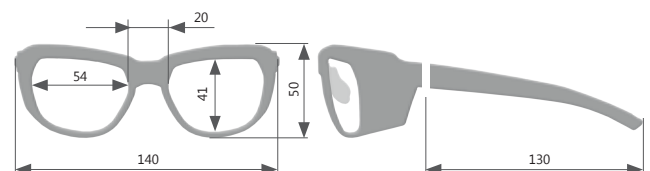


- Optionally with a dosimeter adapter on both sides, for legally required H<sub>p</sub>(3) dosimeter

**BR130** X-ray protective glasses with continuous radiation protection – nose to temple, available with or without integrated, patented dosimetry connection

Colour designs	Shiny Onyx/Graphit	
	Shiny Onyx/Bordeaux	
	Glacier White/Graphit	
	Glacier White/Bordeaux	
Size	Universal/adjustable	
Lead equivalent value	Front protection (50 - 150 kV) 0.50 mm Pb or Front protection (50 - 150 kV) 0.75 mm Pb Side protection (50 - 150 kV) 0.50 mm Pb	
Weight without, or with dosimetry	ca. 95 g (0.50 mm Pb) / 107 g (0.75 mm Pb) ca. 118 g (0.50 mm Pb) / 130 g (0.75 mm Pb)	
Dosimetry connection*	Without or both sides (dosimetry option available exclusively in the colour design Shiny Onyx/Graphit)	
Included	<b>Anti-reflective coating of the lenses</b> Glasses strap, case, cloth	
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014	

\* Dosemeters/dosimetry services: Please refer to the instructions on page 3.





The BR130 is the next level of optimal X-ray protective glasses and breaks new ground constructionswise.

With the BR130 model, more than just the lenses are the means of protection. The large-area X-ray protective lenses are complemented by a full eye frame with integrated lateral protection made of our protective material „Trielle“. In total, this results in extensive radiation protection up to the temples, including a tight fit to the cheekbones.

With the BR130 model, not only the material of the lenses is protective. The entire eye frame with the adjoining lateral protective zones, is made of the patented, leadfree protective material "Trielle".

This especially developed design ensures continuous, gap-free protection against scattered radiation, which once again significantly extends the previous shielding.

Perfect radiation protection combined with ergonomics, functionality and a sporty design.

Only protective glasses that are worn consistently protect against long-term damage. Therefore, fit and comfort are very important for relaxed and concentrated work.

The BR130 offers an ergonomic fit and individual adaptability. The nose pads are flexibly adjustable and the rubberised temple ends ensure a good grip and a comfortable fit behind the ear.

Due to the flat base curve of the eye frame, these glasses can also be offered for higher prescription values. MAVIG uses only the highest quality radiation protection lenses.

Fig. above:

- 1) Design Shiny Onyx/Bordeaux
- 2) Design Glacier White/Bordeaux
- 3) Design Shiny Onyx/Graphit
- 4) Design Glacier White/Graphit

- 5) Inside view: Optional with a dosimetry connection

For the modell BR130, the dosimetry option is only available in the colour design Shiny Onyx/Graphit.

### Special Quality Features *Optimise the Use in the Medical Field*

- ✔ **Super anti-reflective lenses for relaxed and fatigue-free vision**
- ✔ **Progressive lenses that correspond to the latest state of the art**  
(modern lens design with free-form technology for a significantly wider progression zone and thus continuous, sharp vision at all distances with balanced visual comfort)
- ✔ **Allergy-free thanks to high-quality synthetic materials**
- ✔ **Minimized risk of injury due to shape and used components**
- ✔ **Easy cleaning and superior resistance against chemical influences**  
(resistance to disinfectants)

# BR330



*Dosimetry and radiation protection combined:  
The future in eye lens protection*



The BR330 glasses are designed to best protect the user's eyes from scattered radiation from all angles of incidence.



- Special design for a gapfree protection from scattered radiation
- X-ray protection up to the temples



- Single and progressive lenses are feasible



- Flexibly adjustable nose pad
- Length-adjustable and inclinable temples for a perfect and tight fit to the cheekbones

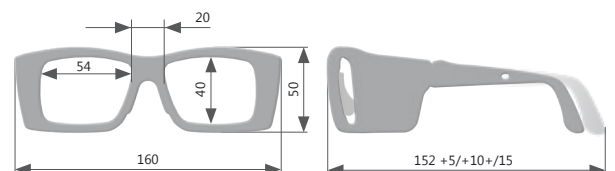


- Optionally with dosimeter adapter, on the right, left or both sides, for legally required H<sub>p</sub>(3) dosimeter

**BR330** X-ray protective glasses with seamless, extended lateral protection zones, available with and without integrated, patented dosimetry connection

Colour designs	Ocean Blue Obsidian Grey/Black	
Size	Universal/adjustable	
Temple length	Adjustable	
Inclination	Adjustable, ± 22.5°	
Lead equivalent value	Front protection (50 - 150 kV) 0.50 mm Pb Side protection (50 - 150 kV) 0.50 mm Pb	
Weight	ca. 120 g	
Dosimetry connection*	Without, left, right, or both sides (BR330 dosimetry option is available for all colour designs)	
Included	<b>Anti-reflective coating of the lenses</b> Glasses strap, case, cloth	
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014	

\* Dosimeters/dosimetry services: Please refer to the instructions on page 3.





In terms of design, the BR330 offers large-area X-ray protection glasses and gap-free adjoining lateral radiation protection zones up to the temples including a tight fit to the cheekbones.

Best possible dosimetry: In the case of monitoring the eye lens dose, a consistent position of the dosimeter(s) is ideal. Together with our project partners AWST - Evaluation Centre (formerly Helmholtz Centre) and Dosilab, MAVIG has developed a new type of X-ray protective eyewear that integrates lens dosimetry.

The patented dosimeter connection on the left, right, or on both sides was designed in such a way that there are no user restrictions.

The glasses are also available without a dosimeter connection in the form of pure radiation protection glasses.

Maximum wearing comfort and optimum radiation protection tailored to the individual facial geometry of the user requires a wide range of adjustment options.

The BR330 is therefore ergonomically designed and features additional adjustment mechanisms. The inclination of the front part, the length of the temples as well as the soft nose pad can be adjusted to suit your individual needs.

Designed with a flat base curve, the front of the BR330 glasses allow a very wide range of vision corrections for single and progressive lenses.

MAVIG uses only protective lenses of the highest quality. This guarantees the best light transmission values and a maximum lens break resistance. The ideal composition of the chemical substances and sophisticated production processes ensure maximum radiation absorption with an absolutely homogeneous distribution of the protective additives.

Fig. above:

- 1) Design Ocean Blue
- 2) Design Obsidian Grey/Black
- 3) Headband attachment
- 4) X-ray protective lenses with anti-reflective coating
- 5) Ergonomic temple ends
- 6) Length adjustment
- 7) Inclination (+/- 22,5°)
- 8) Dosimetry connection
- 9) Soft nose pads, adjustable

### Special Quality Features *Optimise the Use in the Medical Field*

- ✔ **Super anti-reflective lenses for relaxed and fatigue-free vision**
- ✔ **Progressive lenses that correspond to the latest state of the art**  
(modern lens design with free-form technology for a significantly wider progression zone and thus continuous, sharp vision at all distances with balanced visual comfort)
- ✔ **Allergy-free thanks to high-quality synthetic materials**
- ✔ **Minimized risk of injury due to shape and used components**
- ✔ **Easy cleaning and superior resistance against chemical influences**  
(resistance to disinfectants)

## Our Traditional Basic Series

### BR115



**X-Ray Protective Glasses BR115**  
(picture shows the colour Black)

### BR310



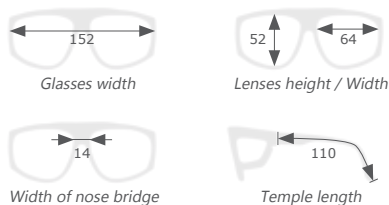
**X-Ray Protective Glasses BR310**  
(picture shows the colour design Tortoise)

#### BR115

X-ray protection glasses with synthetic frame

Available colour	Black ■
Size	Universal
Lead equivalent value	Front (50 - 150 kV) 0.75 mm Pb Side (50 - 150 kV) 0.75 mm Pb
Weight	ca. 110 g
Included in delivery	Glasses strap, case, cloth
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014

Optical corrections are not possible with this model.



#### BR310

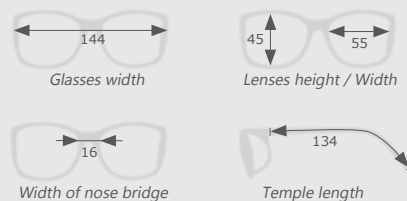
X-ray protection glasses with synthetic frame in Tortoise design with attractive brown tones and individually adjustable silicone nose pads.

Available colour	Tortoise ■
Size	Universal
Lead equivalent value	Front (50 - 150 kV) 0.75 mm Pb Side (50 - 150 kV) 0.75 mm Pb
Weight	ca. 90 g
Included in delivery	Glasses strap, case, cloth
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014

#### Optical corrections



Single, bifocal and progressive lenses are feasible



# BR331



**X-Ray Protective Glasses BR331**  
(picture shows the colour Blue-Transparent)

# BR119



**X-Ray Protective Glasses BR119**  
(picture shows the colour Silver)

## BR331

X-ray protection glasses with synthetic frame in a transparent design, set off with blue. The side protection with 0.50 mm Pb is placed in the laterally angled frame up to the height of the bracket.

Available colour	Blue-Transparent ■
Size	Universal
Lead equivalent value	Front (50 - 150 kV) 0.75 mm Pb Side (50 - 150 kV) 0.50 mm Pb
Weight	ca. 85 g
Included in delivery	Glasses strap, case, cloth
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014

### Optical corrections



Single, bifocal and progressive lenses are feasible



Glasses width



Lenses height / Width



Width of nose bridge



Temple length

## BR119

X-ray protection glasses with synthetic frame and with additionally padded temple ends.

Available colour	Silver ■, Black ■
Size	Universal
Lead equivalent value	Front (50 - 150 kV) 0.75 mm Pb
Weight	ca. 65 g
Included in delivery	Glasses strap, case, cloth
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014

### Optical corrections



Single, bifocal and progressive lenses are feasible



Glasses width



Lenses height / Width



Width of nose bridge



Temple length

# X-RAY PROTECTIVE GLASSES

Especially designed for the protection of medical professionals during radiological procedures. The visors enable a significant reduction in radiation exposure for the eye lenses and large parts of the facial skull.

Comfortably, glasses with prescription lenses can be worn underneath without restricting the field of vision under the visor.

## BRV500



### These quality features of our visors make them ideal for the use in the medical environment

- Universal size / adjustable to fit different head sizes
- Multiple adjustments to adapt to individual facial features
- Easy to set up for fitting the head of the wearer by simply pressing and turning the pivoting mechanism to prevent slipping
- Comfortable, exchangeable, and washable pads
- Curved lead acrylic glass with 0.10 mm Pb
- Low allergy risk due to carefully chosen materials

X-Ray Tube Voltage	Attenuation Scattered Radiation
50 kV	96,9 %
60 kV	94,4 %
80 kV	86,3 %
100 kV	80,0 %
120 kV	75,0 %



BRV501



- BRV500** X-ray protective visor with continuous protection from forehead to the chin
- BRV501** X-ray protective visor with protection down to the cheek bones and a cut-out for the nose

Designs	Full-area (BRV500) Up to the cheek bones (BRV501)
Size	Universal
Lead equivalent value	Front 0.10 mm Pb Side 0.10 mm Pb
Weight	ca. 525 g (BRV500) ca. 505 g (BRV501)
Conformity	IEC 61331-1:2014 / IEC 61331-3:2014

*Optical corrections are not possible with visors.*



*Individually Adjustable*



### Upon Request – Sample Case With Individual Content

Our dealers have the option to order a sample case at a reduced price for their own distribution. The robust case has soft foam inserts and offers space for up to 12 individually chosen glasses models.

Our hospitals and practices can still receive any model as a sample, free of charge. *(Available for selected countries only.)* MAVIG's entire sales team will be happy to assist you and answer all your questions.



### Virtual Try-On

In addition, you can visit our homepage at [www.mavig.de/virtual-mirror](http://www.mavig.de/virtual-mirror). There you can get a first impression of the optics of our protective eyewear models by trying them on online.

We will be happy to advise you.



## Prescription Values for X-Ray Protective Glasses with Individual Corrective Lenses

Customer/Name: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Article-No.: \_\_\_\_\_

Prescription Date: \_\_\_\_\_ Date: \_\_\_\_\_

▲ For orders with corrective lenses, please fill-in below all relevant values from an optician's prescription for working place glasses:

- Single**
- Bifocal**
- Progressive**

	Spherical/ Diopter	Cylindrical *1	Axis	Addition Values *2	Pupillary Distance *3
	<b>Sph/Dpt</b>	<b>Cyl</b>	<b>A</b>	<b>ADD</b>	<b>PD</b>
Distance (D)	●●●●	●	●	●●	●●●●
Right Eye (R)		●			
Left Eye (L)	●●●●		●	●●	●●●●
Near (N)	●●				
Right Eye (R)		●			
Left Eye (L)	●●		●		

\*1. If necessary, cylindrical values (Cyl) and axis values (A)

\*2 Pupillary distance, separately for your left and right eye (PD)

\*3 Addition values (ADD) (only Bifocal or Progressive lenses)

### Notice concerning your work glasses

Work glasses are glasses with custom made, multi-focal lenses, which are specifically made to allow for correct and clear vision in a close and intermediate range. For example, work glasses enable you to focus to the distance of the patient, as well as the distance of the monitors.

"Normal" bifocal or reading glasses cannot guarantee this, as they are made for seeing short and/or far distances. Hence, the prescription values of your work glasses might not necessarily be the same as for your personal bifocal glasses. When getting your lens prescription, please point out to your optician that these values are for work glasses.

If you regularly change between your personal and work glasses, please note that your eyes need a certain time to adapt.

### Note – An order on prescription must include the pupillary distance!

For Sph/Dpt and Cyl values, please always include the + / - sign.

●●●● Indicates information that is required for all prescription orders.

●● Indicates information required for bifocal and progressive orders. (Distance Sph value + ADD value = Near Sph value)

● Indicates information that is required for certain corrections. (No difference between Distance and Near values – Distance Cyl/A = Near Cyl/A)



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