

**NEW!**

# **MINOX**

VISIBLE INNOVATION



**HIGH GRADE SERIES**

**MINOX**

## The new MINOX APO-HG and HG reference class in binoculars Now with extended field of view and Made in Germany

With their sharp optics and natural color rendition the MINOX APO-HG and HG binoculars already rank in the top binocular engineering class. Now MINOX engineers have been able to extend the field of view of both model ranges by up to 15 %, demonstrating the latest technologies in the manufacturing of high quality binoculars. These binoculars are made at our parent plant in Wetzlar, a further reference for highest optical performance.

"Made in Germany" at MINOX is a mark that stands for quality, precision and solidity and expresses our corporate philosophy. A guarantor of meticulous care and precision during the entire development and production process and of products that meet uncompromising demands.

The new APO-HG and HG binoculars deliver maximum performance in every discipline. For instance, the 21 layers of the M\* multicoating

and the silver-bearing Minobright reflection of the phase-corrected roof prisms. Excellent handling of the binoculars is made possible using the Quick-Close-Focus (QCF) feature developed by MINOX. Just a single turn of the focusing knob is enough to adjust a sharp image from infinity to close-up, enabling a very fast adjustment in the near-focus range and precision focusing at greater distances.

The MINOX APO-HG line also features very high quality ED glass and offers the user an outstanding optical performance for superb viewing.





APO HG 10x43 BR



HG 8 x33 BR



HG 8 x43 BR  
HG 10x43 BR



HG 8.5x52 BR  
HG 10x52 BR



HG 8x56 BR



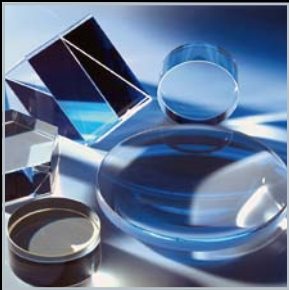
 APOCHROMATIC  
LENS DESIGN  
GEN 2 DESIGN  
APOCHROMATIC  
APO HG 8 x43 BR  
APO HG 10x43 BR

# 10 product advantages at a glance:



## Up to 15% extended field of view

Depending on the APO/HG model used, the optimized and newly calculated prisms and eyepieces offer the hunter an extended field of view of up to 15 %



**SCHOTT**

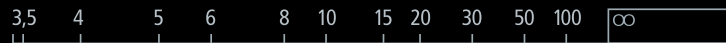
## Glass from the SCHOTT AG, Mainz, Germany

The high-tech optical glass is "Made in Germany" by the Mainz based SCHOTT AG, which is a subsidiary of the Carl-Zeiss-Stiftung, German glass pioneers.



## Distance-scale for a quick distance-setting

A quick glance at the focusing wheel makes these binoculars a reliable rangefinder. The scale on the focusing wheel of the MINOX HG binoculars gives information of the distance to the object focused on.



The new MINOX Quick-Close Focus system needs only one turn of the focusing wheel to adjust the HG-binoculars from close to infinite.



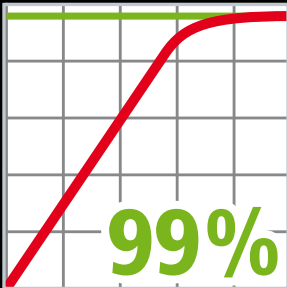
## Clear viewing thanks to MINOTECH (only APO HG)

Thanks to MINOTECH technology the objective lenses can be cleaned quickly and conveniently. Dust and dirt particles are wiped away with ease.



## Unrivalled lightweight and body shaping

All bodies of the MINOX HG binocular series are manufactured from magnesium. This gives them an unrivalled light weight. This ergonomically shaped body is then coated with rubber armor for a comfortable grip.



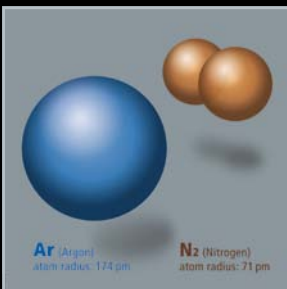
### Highest light transmission through M\* Lens coating

The innovative M\*coating of the lenses optimises the light transmission and colour rendition. With up to 21 applied layers to the glass surface, light loss by reflection is avoided.



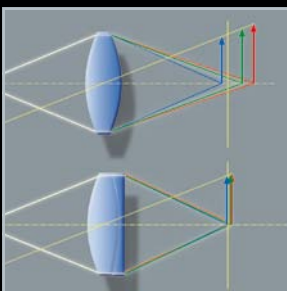
### Ideal reflection through the non-glare coating MinoBright®

This novel silver-bearing MinoBright® coating is used to apply a non-glare surface to the prisms to ensure highest reflection of light. As a result, images are very bright, with high contrast.



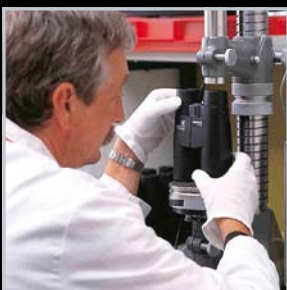
### Guarantee for a long life: ARGON GAS INSIDE

A superior argon gas filler protects the inner glass surfaces against fogging and corrosion, because it does not react with the other materials. Due to its larger molecules, argon gas has a slower rate of diffusion than the conventional nitrogen, which guarantees that the super gas remains inside the binoculars for much longer than is the case with nitrogen.



### Apochromatic lenses (only APO HG)

The use of special glass containing fluoride in ED binoculars has improved the optical performance significantly. This glass provides a solid image exceptionally rich in detail and with high colour rendition throughout the visual field. The user is able to see true-to-life images, even under critical lighting conditions.



### Made in Germany

Quality "Made in Germany" and traditional German engineering values are held in high esteem all over the world. Values such as quality, precision and solidity in binocular development and manufacturing reflect the MINOX philosophy. The binoculars of our APO-HG and HG reference class are manufactured with maximum care and reliability in our factory at Wetzlar to meet the sophisticated demands of our customers.

Technical data	HG 8x33 BR	HG 8x43 BR	HG 10x43 BR	HG 8,5x52 BR
Magnification	8x	8x	10x	8,5x
Front lens diameter	1.30 inch / 33 mm	1.69 inch / 43 mm	1.69 inch / 43 mm	2.04 inch / 52 mm
Exit pupil	0.16 inch	0.21 inch	0.17 inch	0.24 inch
Field of view (at 1,000 yds)	8.1° / 426 ft	7.2° / 379 ft	6.5° / 342 ft	5.8° / 306 ft
Eye relief	0.65 inch	0.76 inch	0.65 inch	0.76 inch
Close distance	4.92 ft	8.2 ft	8.2 ft	11.5 ft
Diopter adjustment	± 2 dpt	± 2 dpt	± 2 dpt	± 2 dpt
Twilight number	16.2	18.5	20.7	21.0
Operating temperature	14° up to 122° F	14° up to 122° F	14° up to 122° F	14° up to 122° F
Waterproof, down to	16.4 ft / 5 m	16.4 ft / 5 m	16.4 ft / 5 m	16.4 ft
Height x Width x Depth (inch)	5.27 x 5.15 x 2.0	6.02 x 5.15 x 2.08	6.02 x 5.15 x 2.08	6.93 x 5.27 x 2.28
Weight approx.	21.3 oz	22.9 oz	22.9 oz	27.3 oz
<b>Order number</b>	<b>62118</b>	<b>62189</b>	<b>62190</b>	<b>62191</b>

	HG 10x52 BR	HG 8x56 BR	APO HG 8x43 BR	APO HG 10x43 BR
Magnification	10x	8x	8x	10x
Front lens diameter	2.04 inch / 52 mm	2.2 inch / 56 mm	1.69 inch / 43 mm	1.69 inch / 43 mm
Exit pupil	0.2 inch	0.28 inch	0.21 inch	0.17 inch
Field of view (at 1,000 yds)	5.8° / 306 ft	6.2° / 326 ft	7.2° / 379 ft	6.5° / 342 ft
Eye relief	0.76 inch	0.82 inch	0.76 inch	0.65 inch
Close distance	11.5 ft	19.7 ft	8.2 ft	8.2 ft
Diopter adjustment	± 2 dpt	± 2 dpt	± 2 dpt	± 2 dpt
Twilight number	22.8	21.2	18.5	20.7
Operating temperature	14° up to 122° F	14° up to 122° F	14° up to 122° F	14° up to 122° F
Waterproof, down to	16.4 ft	16.4 ft	16.4 ft	16.4 ft
Height x Width x Depth (inch)	6.93 x 5.27 x 2.28	7.75 x 5.71 x 2.56	6.02 x 5.15 x 2.08	6.02 x 5.15 x 2.08
Weight approx.	27.3 oz	38.0 oz	22.9 oz	22.9 oz
<b>Order number</b>	<b>62192</b>	<b>62178</b>	<b>62193</b>	<b>62194</b>

Design, features, supply and price are subject to change. Product information order number: 99798

09/09/AX/S

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