



ENDURANCE ED
MARINE
OPTICS



ENDURANCE ED - MARINE OPTICS SYSTEM H5

For over a decade, Endurance ED optics have been renowned for incredible performance and reliability. Now, with the introduction of the Marine range, we have grown upon this award winning selection with optics that are specifically designed for marine and boating applications.

With a range of models to choose from, the Marine Optics family feature binoculars and monoculars to suit any requirement.

Advanced BAK-4 roof prism optical systems make far more compact, modern and lightweight optics than the industry norm.

Hawke's System H5 optics provide crisp, clear and bright images with enhanced light transmission.

Endurance ED models benefit from our System H5 optics. ED glass is utilised to reduce colour fringing, known as chromatic aberration. The Fully Multi-Coated lenses provide high resolution images which ensure no details are lost when viewing at distance.

Effortless focusing and impressive depth of field makes these binoculars quick and easy to use. Water and fog proof with a high grip rubber coated body, Endurance is designed to battle the elements.

MODELS ENDURANCE ED - MARINE OPTICS



36 506
7x50 Marine Binocular with Illuminated Compass



36 505
7x50 Marine Binocular



36 500
7x32 Marine Binocular

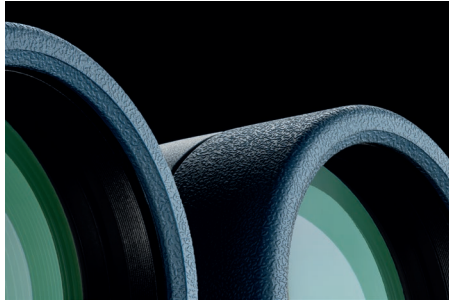


36 521
7x42 Marine Monocular with Compass



36 520
7x42 Marine Monocular

SPECIAL FEATURES ENDURANCE ED - MARINE OPTICS



COMPASS (SELECTED MODELS)

An integrated compass allows you to pinpoint your bearing and that of any object or land. The compass on model 36 506 (7x50 Binocular) is illuminated for even more visibility in low light conditions.

7x MAGNIFICATION, PERFECT FOR MARINE APPLICATIONS

Recognised as the ideal magnification for marine applications, a 7x magnification ensures you are able to steadily keep the target image in view, even in rough waters.



RANGEFINDING RETICLE (SELECTED MODELS)

The rangefinding reticle can be used to calculate distance between you and the object you are looking at.

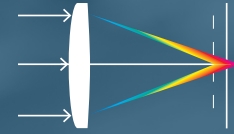


HI-VIS FLOATING STRAP

Protect your optics in case they fall overboard. The supplied floating neck strap for binoculars and floating wrist strap for monoculars ensures you don't have to worry if you have an accident.



OPTICAL FEATURES ENDURANCE ED - MARINE OPTICS



EXTRA-LOW DISPERSION (ED) GLASS

ED glass is utilised to reduce colour fringing and to increase clarity over longer distances. This is particularly important in high brightness environments where chromatic aberration is most often seen.



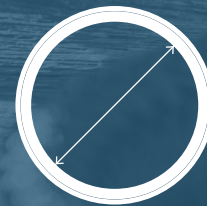
FULLY MULTI-COATED LENSES

Fully Multi-Coated lenses provide high resolution images which ensure no details are lost.



PHASE CORRECTED BAK-4 ROOF PRISMS

Phase corrected prism lenses increase image contrast and resolution, while BAK-4 roof prism designs are more modern, lightweight and compact in size compared to a porro prism design.



IMMERSIVE WIDE-ANGLE VIEW

A wider angle view helps to see more of the horizon at any one time and increases your ability to see every detail around you.

MECHANICAL FEATURES ENDURANCE ED - MARINE OPTICS

■ WATERPROOF AND FOG PROOF

Waterproof to IP67, the Marine Optics are not afraid of going overboard, even if you are. Purged and filled with dry nitrogen means they will not fog over in cold conditions or when you need them most.

■ PRECISION FOCUS CONTROL

The precise and smooth focus control gives you full and total control of the image, ensuring you can see every detail.

■ TWIST-UP EYEPIECES

Twist-up eyepieces give enhanced comfort and help to block out unwanted light. Eyeglass users will normally need the eye cups twisted down. Users not wearing eyeglasses should adjust the eye cups upwards for optimum eye relief.

■ STAY-ON LENS COVERS

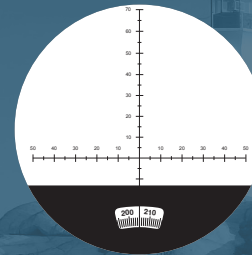
The stay-on lens covers help to keep the glass clean and ready for use. The covers are tethered to the optics to ensure they are always on hand when needed.

■ PROTECTIVE CARRY CASE

A hard protective carry and storage case guarantees your optics are always in pristine condition and can be stowed away neatly.



RANGEFINDING RETICLE ENDURANCE ED - MARINE OPTICS



Selected models have a built-in Rangefinding Reticle alongside the compass within the optical view. The rangefinding reticle can be used to calculate distance between you and the object you are looking at. This can be extremely important in nautical environments assisting as a visual check and as a failsafe to on-board navigation systems.

The rangefinding reticle is made up of a grid-like pattern of lines that are segmented into Milliradians, known sometimes as Mils. A milliradian is a unit of angle that can be used to calculate the distance of a known sized object.

RANGEFINDING EQUATION:

$$\text{Distance (metres)} = \frac{\text{Height of known object (metres)} \times 1000}{\text{Number of Milliradians on reticle}}$$

If you were looking at a lighthouse on shore that you knew to be 20m tall and looking through the rangefinding reticle it measured 50 milliradian:

$$\text{Distance} = 20 \times 1000 / 50 = 400\text{m}$$

The lighthouse is 400 metres away.



SPECIFICATIONS ENDURANCE ED - MARINE OPTICS

Code	Model	Height	Width	Weight	Eye Relief	Close Focus
		mm	mm	g	mm	m
36 500	7x32 Binocular	122	110-131	545	17	2
36 505	7x50 Binocular	175	121-135	885	21	2.5
36 506	7x50 Binocular Compass	175	121-135	915	21	2.5
36 520	7x42 Monocular	159	80	405	17	2
36 521	7x42 Monocular Compass	159	80	405	17	2

FOV	FOV (Apparent)	Exit Pupil	Interpupillary Distance	Lens Coating	Prism Type	Dioptre System	Eye Cups
degrees	degrees	mm	mm				
8.3	58	4.6	55-75	FMC	BAK4 - Roof	Right Eye	Twist-Up
7	49	7.1	55-75	FMC	BAK4 - Roof	Right Eye	Twist-Up
7	49	7.1	55-75	FMC	BAK4 - Roof	Right Eye	Twist-Up
7.5	53	6	-	FMC	BAK4 - Roof	Eyepiece	Twist-Up
7.5	53	6	-	FMC	BAK4 - Roof	Eyepiece	Twist-Up

INCLUDED ACCESSORIES ENDURANCE ED - MARINE OPTICS



Floating Neck Strap and
Standard Neck Strap
Binocular models only



Floating Wrist Strap and
Standard Wrist Strap
Monocular models only



Protective Carry
and Storage Case



Soft Carry Pouch



Lens Cloth and Holder



Carry Case Strap



Stay-on Lens Objective Cover



Ocular Lens Cover



HAWKE NO-FAULT LIFETIME WARRANTY

WE'VE GOT YOU COVERED...
FOR LIFE.

When you buy your new Hawke binocular or monocular, you're buying peace of mind... for life. In the event your product becomes damaged or defective we'll repair it at no charge to you. It doesn't matter how it happened or whose fault it was - we've got you covered. The Hawke No-Fault Lifetime Warranty is only available directly through our service centres and not through your retailer.

To request service, please follow links to service procedure at www.hawkeoptics.com

The Hawke No-Fault Lifetime Warranty applies to binocular/monocular optics and mechanics only. Electronic parts are covered by our two year warranty. The Hawke No-Fault Lifetime Warranty does not cover loss, theft, deliberate damage or cosmetic damage that does not hinder the performance of the product. Occasionally we may replace your product with an equivalent of equal or better physical condition. Applies to the original owner only.

You can register your purchase at www.hawkeoptics.com



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