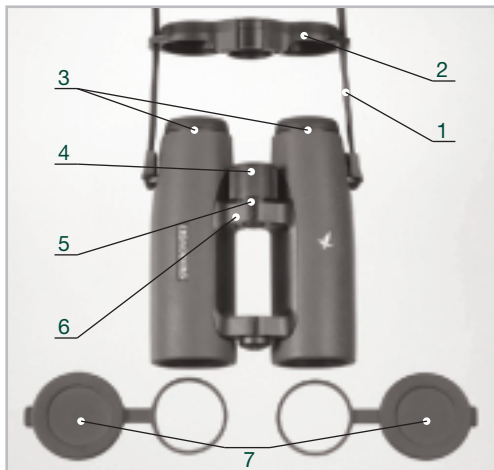


Swarovski Optik, one of the leading European manufacturers of high-quality optical instruments, wish you many years of serviceable life with this product. It has been constructed to fulfil professional requirements and if handled correctly, will remain a reliable companion.



- | | |
|--------------------------|-----------------------|
| 1 Carry strap | 5 Dioptic scale |
| 2 Rain cap | 6 Dioptic zero point |
| 3 Screw-in-type eye cups | 7 Objective cap |
| 4 Focusing wheel | Bag (not illustrated) |

For your safety!

⚠ WARNING!



Never look at the sun with the binocular! This leads to injury of your eyes!



Never look through the binocular when walking! You could encounter obstacles!

General information

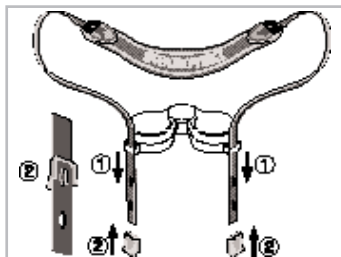


Please protect your binoculars from jolts and jars.



Repairs should be carried out only by authorized workshops.

Attaching the carry strap



Adjustment of the screw-in-type eye cups



Use without eyeglasses:

Turn both eye cups (counter-clockwise) until they stop.



Use with eyeglasses:

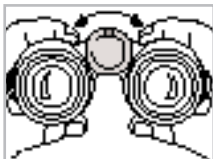
Turn both eye cups (clockwise) until they stop.

Adjustment of interpupillary distance

To see a single round image, turn the two halves of the binoculars until no irritating shadows can be seen.



Adjustment of focusing



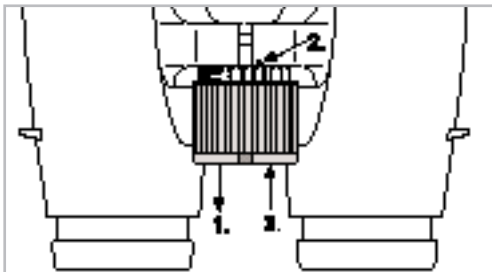
By turning the focusing wheel you can focus any object sharply at a distance of 2 m/6.6 ft (EL 32), resp. 2,5 m/8 ft (EL 42) to infinity. In the infinity position the little nose of the focusing wheel is at the top.

Dioptric compensation

To achieve optimal image quality, the possibly varying visual acuity between the left and right eye must be corrected.

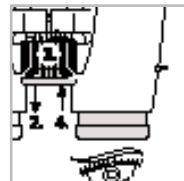
Use without eyeglasses and equal acuity of both eyes, or with eyeglasses:

1. Pull the focusing wheel outwards.
2. By turning the focusing wheel, set the dioptric scale to "0".
3. Push the focusing wheel back in.



Use without eyeglasses and varying acuity:

1. Look through the left ocular with your left eye and turn the focusing wheel to focus sharply on a selected object.
2. Pull the focusing wheel outwards.
3. Now look at the same object through the right ocular with your right eye and again adjust the focusing wheel to attain optimal clarity.
4. Press the focusing wheel back in again.



Please note your personal dioptric value on the dioptric scale.

Lens-cleaning cloth

You can clean high sensitive lens surfaces with the enclosed special cloth made of micro-fibres. It is suitable for objective lens, ocular lens and eyeglasses.

Please keep the cloth clean, as dirt can damage the lens surface. If the cloth gets dirty, it can be washed in luke-warm soapy water and air-dried. Please use it exclusively for cleaning lens surfaces!

Cleaning

We have designed all elements and surfaces to require little care. To ensure the long-lasting optical brilliance of your binocular, you should keep the glass surfaces free of dirt, oil and grease. When cleaning the lenses, first remove larger particles with an optical lens brush. For the subsequent thorough cleaning we recommend breathing onto the lens surface to form a coat of condensation and then cleaning it with a soft, moist cloth.

The housing is best cleansed with a soft, moist cloth (don't use the lens-cleaning cloth).

In the event of hard-to-remove dirt (e.g. sand) the eye cups can be unscrewed and cleaned very easily.



Storage

You should keep your binocular in its bag in a well-ventilated, dry place.



If the instrument is wet, it must be dried prior to storage.

In tropical regions or regions with a high degree of humidity the best place to store the

instrument in is an air-tight receptacle along with a moisture-absorbing agent (e.g. silica gel).

Accessories

- Special eyecups with raised sides to keep out irritating lateral light.
- Binocular Booster, doubles monocularly the magnification of the binocular.
- Robust fabric outdoor multi-functional bag.
- Floating shoulder strap.
- Eyepiece cover made from rubber (EL 42 only).
- Tripod adapter (EL 42 only).
- Bino suspender.

Swarobright® coating

Interference mirror with a reflective capacity of 99.5 % over the entire light spectrum!

During the coating process extremely specialized, micro thin coatings are applied with various highly scientific techniques to the surfaces of lenses and prisms. Some elements receive more than 30 coatings. This complicated procedure reduces reflections and controls all color spectrums to provide the highest light transmission, best contrast, sharpest resolution and optimal color fidelity.

Patents

Reflex reducing coating: Swarotop®	US 43 72 987	DE 30 09 533
Roof-prism binocular EL	US 62 66 185	EP 0 961 147
Rainguard for binoculars	US 61 79 427	DE 299 11 126

Technical data

filled with nitrogen

	EL 8x32 WB	EL 10x32 WB
Magnification	8x	10x
Effec. objective lens Ø	32 mm/1.26 in	32 mm/1.26 in
Exit pupil Ø	4 mm/0.16 in	3.2 mm/0.13 in
Eye relief	15 mm/0.59 in	13 mm/0.51 in
Field of view, real m/1000 m / ft/1000 yds	140 m/420 ft	120 m/360 ft
Field of view, real/degree	8°	6.9°
Field of view with eye glasses/degree	7.7°	4.8°
Field of view, apparent/degree	62.3°	65.4°
Shortest focusing distance	2 m/6.6 ft	2 m/6.6 ft
Diopter compensation left/right	± 3 dpt	± 3 dpt
Diopter correction at ∞	5 dpt	5 dpt
Interpupillary distance	56-74 mm 2.2-2.9 in	56-74 mm 2.2-2.9 in
Twilight factor (DIN 58388)	16	18
Optical elements (each side)	10	10
Functional temperature range	-25°/+55° C/ -13°/+131° F	-25°/+55° C/ -13°/+131° F
Storage temperature range	-30°/+70° C/ -22°/+158° F	-30°/+70° C/ -22°/+158° F
Submersion tightness	4 m/13 ft	4 m/13 ft
Length, approx.*	138 mm/5.4 in	136 mm/5.4 in
Width, approx.**	114 mm/4.5 in	114 mm/4.5 in
Hight, approx.**	60 mm/2.4 in	60 mm/2.4 in
Weight, approx.	620 g/21.9 oz	610 g/21.5 oz

	EL 8.5x42 WB	EL 10x42 WB
Magnification	8.5x	10x
Effec. objective lens Ø	42 mm/1.65 in	42 mm/1.65 in
Exit pupil Ø	4.9 mm/0.19 in	4.2 mm/0.17 in
Eye relief	18 mm/0.71 in	15 mm/0.59 in
Field of view, real m/1000 m / ft/1000 yds	130 m/390 ft	110 m/330 ft
Field of view, real/degree	7.4°	6.3°
Field of view with eye glasses/degree	7.4°	5.6°
Field of view, apparent/degree	62°	63°
Shortest focusing distance	2.5 m/8 ft	2.5 m/8 ft
Diopter compensation left/right	± 3 dpt	± 3 dpt
Diopter correction at ∞	5 dpt	5 dpt
Interpupillary distance	56-74 mm 2.2-2.9 in	56-74 mm 2.2-2.9 in
Twilight factor (DIN 58388)	19	21
Optical elements (each side)	10	10
Functional temperature range	-25°/+55° C/ -13°/+131° F	-25°/+55° C/ -13°/+131° F
Storage temperature range	-30°/+70° C/ -22°/+158° F	-30°/+70° C/ -22°/+158° F
Submersion tightness	4 m/13 ft	4 m/13 ft
Length, approx.*	165 mm/6.5 in	158 mm/6.2 in
Width, approx.**	123 mm/4.8 in	123 mm/4.8 in
Hight, approx.**	64 mm/2.5 in	64 mm/2.5 in
Weight, approx.	820 g/28.9 oz	780 g/27.5 oz

* with eyecups twisted-in

** with an interpupillary distance of 64 mm/2.5 in

All data are typical values. Subject to modification!