

See more. Experience more.



 **ESCHENBACH**

The Eschenbach consumer optics range offers the right product for every application – from a hand-held monocular to high performance all-weather pocket binoculars and twilight binoculars. Opto-electronic light intensifiers provide a new viewing experience which was previously not available from conventional binoculars.

Eschenbach: Tradition and progress

Almost 95 years of experience, the combination of tradition and the modern world, the orientation towards innovation and progress and the concentration on reliability and optimum performance – these criteria for success have made Eschenbach Optik one of the leading suppliers of optical products in Germany and throughout the whole world.

Our products range from spectacle frames and sunglasses, magnifying glasses and special vision aids to binoculars and many other products for leisure and outdoor activities. Eschenbach: Tradition and progress.

With subsidiaries in Austria, Switzerland, France, Italy, Spain, Holland, Denmark, the Czech Republic and Poland, more than 30 trading partners throughout the world and marketing and sales organizations in the USA and Japan, Eschenbach Optik has a global presence.

Consistent investment in technology and know-how have promoted progress and brought Eschenbach international recognition. The company remains true to this philosophy and is visibly committed to it.

To be closer to the action.

For sports events and nature watches, on holiday or at the theatre, Eschenbach's familiar combination of "quality – value for money – service" guarantees "far-sighted pleasure". Numerous design awards prove that Eschenbach binoculars have plenty to offer on the style front, too.





Porro prisms

The “classical” prisms: binoculars with Porro prisms are, as a rule, wider than comparable roof prism binoculars, but not as long. Owing to the fact that the lenses are further apart, conventional Porro prism binoculars offer a slightly more 3D image at short distances.



Roof prisms

Are very compact and thus lead to particularly slim binoculars. A higher level of precision engineering is required for roof prism binoculars than for Porro prism binoculars of the same quality level.

Bk-7 prisms

Boron crown glass prisms, the standard for a quality image.

BaK-4 prisms

Selected and carefully machined high performance prisms of barium crown glass provide even better resolution of details and a brighter image with high color fidelity.

SK15 prisms

Prisms manufactured from extremely high quality SK15 glass. These prisms allow the minimization of undesired internal reflections and therefore provide a pin sharp image with optimum contrasts.



Magnification

This value gives the apparent magnification of the object as it appears in the lens. For example, 8 x magnification means that an object at a distance of 800 m appears to be at a distance of 100 m.



Lens

The lens diameter is given in mm an important performance criterion for binoculars. The bigger it is, the more light it gathers and the brighter the field of view.



Exit pupil/brightness index/ twilight factor

These are index values which result from the ratio of magnification and lens diameter. The following is important for real life: an exit pupil between 2 and 3 mm is sufficient for use in daylight. Binoculars with an exit pupil of 5-7mm should be chosen for difficult light conditions.



Field of view

This value specifies the width of the terrain that you can see through the binoculars at a distance of 1000 m. The greater the field of view, the easier it is to view landscapes or moving objects, for example at sports events or during animal observation. Binoculars marked Ww (=wide angle) have a particularly large field of view.



Minimum focus

This number gives the shortest distance at which objects can be seen sharply and without distortion. This is important to know for use in museums, during tourist excursions or similar events.



Phase correction

A particularly difficult surface treatment for prisms with special coatings. The ultimate for excellent image quality.

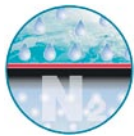


Internal focussing

Focussing means adjusting the “sharpness” of an image. Only the lenses inside the binoculars are moved during internal focussing. This means a closed system which avoids sucking in of dust, air or humidity.

All-weather/waterproof

Due to a system of water repellent features on the casing and the moveable components the binoculars are resistant to pressurized water.



Nitrogen filled

Eschenbach binoculars for heavy-duty all-weather applications are filled with nitrogen (N₂). This prevents misting up of the internal optical components in case of temperature changes.



Anti-reflection coating

Eschenbach binoculars are provided with fully coated optics. This means that all air/lens interfaces are provided with an extremely thin anti-reflection coating to optimize the “light movement” through the binoculars to the eye. Coatings with magnesium fluoride are obviously standard; these are also known as blue coating. On some binoculars, this is combined with multi-coating on one side of the lens and the eyepiece to provide a “combi coating” for even better light transmission. For the highest vision requirements multi-coating is always used on all lens faces.



With the Eschenbach “naturebright” coating, farlux and regatta binoculars ensure true-to-life, completely color-accurate images.

regatta® 8x42 B



Individual. Stylish. Different.

A perfect combination of design and functionality. The regatta® is an exclusive pair of binoculars for all leisure activities, which emphasizes your individual style with exceptional features. Whether sailing the ocean blue, observing flora and fauna, or participating in any other outdoor activities – the regatta® 8x42 B boasts a range of outstanding features for any situation.

- Optimum color fidelity and light transmission with “naturebright” coating and phase corrected prisms.
- The nitrogen-filled waterproof construction makes them durable enough to stand up to the harshest elements.
- Sturdy but light - thanks to the impact-proof magnesium housing.
- Protected by the waterproof and ergonomically shaped neoprene case.

Ref. No:	4250842
Magnification	8 x
Lens Ø	42 mm
Field of view	113 m/1000 m
Accessories	One-piece protective eyepiece cap, padded carrying strap, neoprene case and tripod adapter for use with all standard tripods.
Guarantee	10 years

For more technical data please see page 19



bison® 8x42 B



Discover the forest!

Anyone who has observed animals in nature is familiar with the situation: A reflective or prominent surface struck by a ray of light is enough to make an unusual bird or wild animal vanish back into the undergrowth. Regardless of whether you're studying or observing nature - camouflage is extremely important.

Optimum functionality - perfectly camouflaged

The surface of the bison® 8 x 42 B features an ingenious and stylish camouflage design, which resembles the appearance of the REALTREE company which is enjoying increasing popularity. Initially intended only for clothing, the many different designs available have been used to individually decorate entire vehicles and houses, to make them fit in with their specific environment.

Waterproof and nitrogen-filled, to avoid fogging up of the internal optics brought about by changes in temperature, the perfectly camouflaged bison® 8x42 B will blend in with the landscape to ensure you won't miss out on the action. Even when the weather is unsteady, these sophisticated binoculars are guaranteed to provide clear and optimum vision. The "naturebright" coating and BK-7/Bak-4 prisms allow even the smallest details to be recognized and the brilliant color reproduction will delight all those who expect the very highest standards of vision from their binoculars.

Special eyepieces for spectacle wearers and a tripod thread allow comfortable viewing for longer periods of time with or without sunglasses. A special adapter enables the bison® 8x42 B to be attached to any conventional tripod.

Ref. No:	4253842 B
Magnification	8 x
Lens Ø	42 mm
Field of view	113 m/1000 m
Accessories	One-piece protective eyepiece cap, padded carrying strap, neoprene case and tripod adapter for use with all standard tripods.
Guarantee	10 years

For more technical data please see page 19



farlux®

farlux® binoculars are a popular choice because of their exceptional optical performance, excellent workmanship and practical, attractive design. This makes binoculars from the farlux® range the first choice for ornithologists, hunters and anybody looking for first-class performance.





The eagle eye by Eschenbach

The best that Eschenbach currently has to offer. It's only with binoculars like these, which offer such bright, true-to-life and precise images that you'll be able to enjoy bird watching and nature observation to the fullest. Let the adventure begin!

- The magnesium housing means that the farlux® SELECTOR D is impact-resistant and, above all, light in weight.
- The special "naturebright" coating delivers precisely what the name says: an exceptional true-to-life, color accurate and bright image.
- The BaK-4 prisms are phase corrected for the ultimate viewing experience and have a high reflective coating.
- Equipped to cope with all types of weather: Water pressure proof (5 min at 1 m water depth) and filled with N2.
- Threaded for tripod adapter.

The farlux® SELECTOR D is of course also ideal for hunting.



Ref. No:	4274845
Magnification	8.5 x
Lens Ø	45 mm
Field of view	117 m/1000 m
Accessories	Protective caps for eyepieces and lens, carrying strap, high quality bag and attractive wooden storage case for safe storage.
Guarantee	10 years

For more technical data please see page 19



farlux® Selector V



Sheer pleasure for the eyes. Imagine a pair of binoculars that not only features roof prisms and a zoom facility, but is also waterproof!

With fantastic optical quality and brilliant realistic color reproduction, farlux® SELECTOR V binoculars are particularly suitable for bird-watching and hunting.

- With SK15 and BaK-4 phase corrected, high reflection prisms. The high reflection coating on the prisms produces an image which is approx. 8% brighter.
- As a result of the "naturebright" coating the light transmission in the spectral range is optimized by green light. This makes the image even more true-to-life and even more comfortable to the eye.
- The farlux® SELECTOR V is waterproof and can, therefore, be used even in damp conditions.
- Even at 15-times magnification, the brightness of the image remains consistent and free from "tunnel vision".
- The user's personal diopter adjustment on the center adjustment wheel can be securely locked to prevent movement.
- The ergonomic grip on the front side of the binoculars means that the farlux® SELECTOR V can be held firmly and securely, even during prolonged use.
- Also includes screw thread for tripod adapter.

Ref. No:	42741
Magnification	8-15 x
Lens Ø	35 mm
Field of view	91-70 m/1000 m
Accessories	Protective eyepiece and lens caps, carrying strap, high quality carrying case and aluminum case with shoulder strap.
Guarantee	10 years

For more technical data please see page 19



farlux® F-B silver



farlux® F-B silver 8 x 28 B



farlux® F-B silver 8 x 24 B

Experience maximum image brightness and color reproduction with the new “naturebright” coating on farlux® binoculars. We have again been able to increase light transmission up to 93%. With “naturebright”, you can enjoy optimum color reproduction with farlux® F silver binoculars too. This is made possible by the 64 layers of coating on the prisms.

The well-known benefits of the farlux® F remain the same:

- No water marks on the lenses and
- Simple cleaning of them due to the “anti-raindrop” coating.
- Robust even in wind and weather as filled with N2 and water-proof.
- Can be used with sunglasses due to retractable eye pieces. Individual adjustment for spectacle wearers with 2 step extension and retraction of eyepieces.
- Safe transport of binoculars and padded carry strap - both comfortably fit the bag.
- In gift and presentation box.

farlux® F-B silver 8 x 28 B

Ref. No: 42841281
Magnification 10 x
Lens Ø 28 mm
Field of view 86 m/1000 m
Accessories Belt bag, lens caps and comfortable carrying strap with neck padding.
Guarantee 10 years

farlux® F-B silver 8 x 24 B

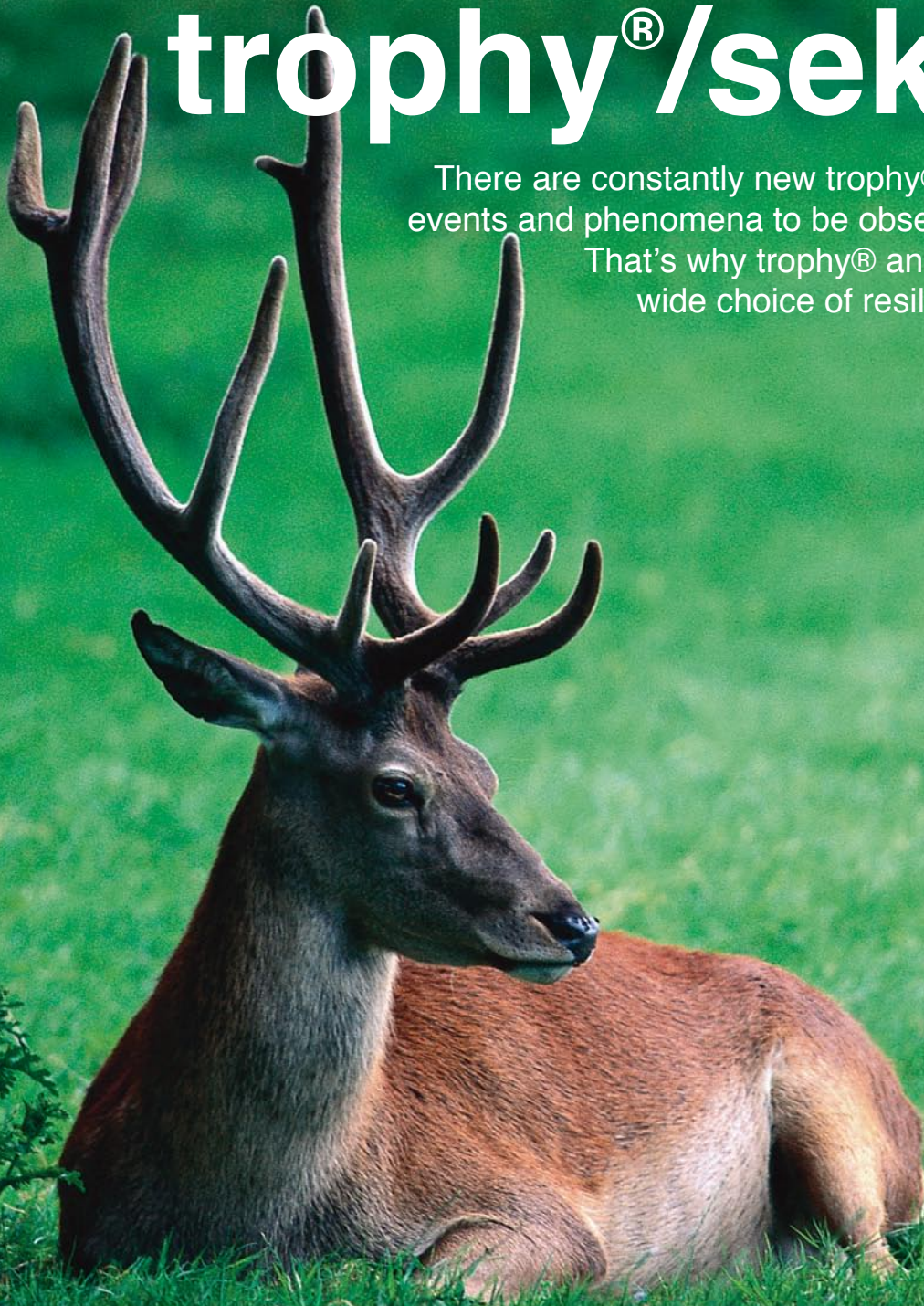
Ref. No: 42848241
Magnification 8 x
Lens Ø 24 mm
Field of view 109 m/1000 m
Accessories Belt bag, lens caps and comfortable carrying strap with neck padding.
Guarantee 10 years

For more technical data please see page 19



trophy[®]/sektor

There are constantly new trophy[®] D-B allwetter events and phenomena to be observed in nature. That's why trophy[®] and sektor offer a wide choice of resilient and robust binoculars.



trophy® D-B *allwetter*



trophy® D 8 x 32 B



trophy® D 7 x 42



trophy® D 10 x 50 B

High-performance binoculars with eyepieces for spectacle wearers.

The trophy® roof prism binoculars with their comparatively small and light “sub-compact” design provide an excellent price/performance ratio through their technical features and elegant design.

- Particularly suited for short distance nature observation due to its very small minimum focus (2 m at 8 x 32; 2.5 m at 7 x 42 and 3 m at 10 x 50).
- Can be used in all weather as pressure-water-tight (3 minutes at 1 m depth).
- The trophy® AS/D is comfortably and safely in the hand, even during prolonged use, due to its shaped thumb recesses.
- Easy operation, even with gloves, due to large and tactile central focussing.
- Nitrogen filling prevents misting up of internal optical components due to temperature changes.
- Precise diopter adjustment by stepped adjustment.
- Bright, sharp image in true colors due to full multicoating and BaK-4 prisms.
- Full field of vision, also for wearers of (sun) glasses due to specially designed eyepieces with retractable cups.
- Threaded for a tripod adapter.

trophy® D 8 x 32 B

Ref. No: 4282832

Magnification 8 x

Lens Ø 32 mm

Field of view 131 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

trophy® D 7 x 42

Ref. No: 4282742

Magnification 7 x

Lens Ø 42 mm

Field of view 114 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

trophy® D 10 x 50 B

Ref. No: 4282150

Magnification 10 x

Lens Ø 50 mm

Field of view 88 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

trophy® P-B allwetter



trophy® P 8 x 40 B Ww



trophy® P 10 x 50 B Ww



trophy® P 8 x 56 B

Finally wide-angle optics for spectacle wearers, too!
Now watertight and nitrogen-filled.

- The trophy® P 8 x 40 and 10 x 50 B Ww combine for the first time special eyepieces for spectacle wearers with a wide-angle field of view.
- The 8 x 56 hunting binoculars are also equipped with eyepieces with retractable cups for spectacle wearers.
- Ideal for animal and nature observation in all weather as they are impermeable to water under pressure (5 minutes at 1 m depth).
- Nitrogen filling prevents misting up of internal optical components due to temperature changes.
- The trophy® P is comfortably and safely in the hand, even during prolonged use, due to its shaped thumb recesses.
- Easy operation, even with gloves, due to tactile central focussing and diopter adjustment.
- Bright, sharp image in true colors due to full multicoating and BaK-4 prisms.
- Threaded for a tripod adapter.

trophy® P 8 x 40 B Ww

Ref. No: 4237840

Magnification 8 x

Lens Ø 40 mm

Field of view 143 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

trophy® P 10 x 50 B Ww

Ref. No: 4237150

Magnification 10 x

Lens Ø 50 mm

Field of view 114 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

trophy® P 8 x 56 B

Ref. No: 4237856

Magnification 8 x

Lens Ø 56 mm

Field of view 102 m/1000 m

Accessories Carry strap, lens caps and high-quality case.

Guarantee 10 years

For more technical data please see page 19



trophy® F 8 x 25 B



trophy® F 10 x 25 B



Eyepieces for spectacle wearers and internal focusing.

With the trophy® folding binoculars range, the entire trophy® series is now waterproof and filled with nitrogen – therefore ideal for all kinds of weather.

- Clear image in true colors due to full multi-coating and BaK-4 prisms.
- Full field of vision even for those who wear (sun) glasses – equipped with special eyepieces for spectacle wearers with retractable cups.
- Sturdy rubber casing in trophy® style ensures non-slip grip and protects against knocks and dropping.

trophy® F 8 x 25 B

Ref. No: 42871252

Magnification 10 x

Lens Ø 25 mm

Field of view 88 m/1000 m

Accessories Carry strap, protective caps and belt case.

Guarantee 10 years

trophy® F 10 x 25 B

Ref. No: 42878252

Magnification 8 x

Lens Ø 25 mm

Field of view 91 m/1000 m

Accessories Carry strap, protective caps and belt case.

Guarantee 10 years

For more technical data please see page 19



sector D 8 x 32 B compact



sector D 10 x 42 B compact



sector D 8 x 56 B compact

Perfect hunting binoculars, even in twilight!

The sektor D compact binoculars have been made smaller and better.

- Better image quality than ever!. The more efficient coating provides true colors and a brighter image.
- The enlarged field of view means that even larger areas can be seen.
- At the same time, the closer minimum focus lets the viewer “get even closer”.
- And last, but not least, people wearing glasses will be happy about the rotatable eyepieces: The cups do no longer retract unintentionally.

The 3 versions of the sektor D compact binoculars cover various requirements: The 8 x 56 are the perfect hunting binoculars, but can also be used for bird and nature watching during the twilight hours. Wildlife observation during the day is also fun with the 8 x 32 and 10 x 42. These two binoculars are particularly useful for holidays and travel as well as at sports events.

sector D 8 x 32 B compact

Ref. No: 4272832

Magnification 8 x

Lens Ø 32 mm

Field of view 131 m/1000 m

Accessories One-piece protective eyepiece and lens caps, socket for tripod adapter, padded carrying strap and waterproof case.

Guarantee 5 years

sector D 10 x 42 B compact

Ref. No: 4272142

Magnification 10 x

Lens Ø 42 mm

Field of view 105 m/1000 m

Accessories One-piece protective eyepiece and lens caps, socket for tripod adapter, padded carrying strap and waterproof case.

Guarantee 5 years

sector D 8 x 56 B compact

Ref. No: 4272856

Magnification 8 x

Lens Ø 56 mm

Field of view 122 m/1000 m

Accessories One-piece protective eyepiece and lens caps, socket for tripod adapter, padded carrying strap and waterproof case, tripod screw clamp.

Guarantee 5 years

For more technical data please see page 19



sektor 8 x 22 Ww



sektor 10 x 25 Ww



Beautiful, small, convenient.

Featuring a practical rubber housing, Sektor F-Ww binoculars don't just look good, but are also comfortable to hold. Built to withstand a physical impact, they fold up to fit comfortably into a backpack or bag.

- Large field of view due to wide-angle optics, particularly suited to the observation of moving events, e.g. sports.
- Clear image due to combi coating and BaK-4 prisms.
- Protected from the ingress of dirt and moisture with small and compact dimensions due to sophisticated internal focussing (sektor 10 x 25).

sektor 8 x 22 Ww

Ref. No:	4288822
Magnification	8 x
Lens Ø	22 mm
Field of view	143 m/1000 m
Accessories	Belt bag, lens caps and carry cord.
Guarantee	5 years

sektor 10 x 25 Ww

Ref. No:	4288125
Magnification	10 x
Lens Ø	25 mm
Field of view	114 m/1000 m
Accessories	Belt bag, lens caps and carry cord.
Guarantee	5 years

For more technical data please see page 19

adventure B *active*

Don't miss anything on your nature walk or outdoor adventures! Binoculars are key to get the most out of any expedition! Adventure binoculars are tough and robust and will stand up to any knocks, drops or moisture!



adventure 8 x 42 B active



The “big one” for a particularly “big” picture. Even more robust and of course waterproof and nitrogen filled, it withstands the most extreme challenges. Features such as the one-piece dust caps, the special tripod socket cover and the protective hard case make the adventure 8 x 42 B active a must for all outdoor activities!

Rugged, striking, easy grip – a real adventurer!

Ref. No:	4270842
Magnification	8 x
Lens Ø	42 mm
Field of view	114 m/1000 m
Accessories	Padded carrying strap, one-piece protective eyepiece and lens caps, socket for tripod adapter and protective case.
Guarantee	5 years

For more technical data please see page 19

adventure 8 x 25 B active



For that small unexpected adventure!

Small but wow! Ergonomically shaped and handy to use, the adventure B active monocular is always ready for action. Any time, any place: you'll always be equipped and fit for adventure. And as far as robustness and waterproofness goes, it's up there with the “best”. The protective dust caps and nylon bag with belt loop protect the “little one” in the harshest of weathers. The perfect companion!

Ref. No:	4295825
Magnification	8 x
Lens Ø	25 mm
Field of view	105 m/1000 m
Accessories	Protective dust caps, nylon bag with belt loop.
Guarantee	5 years

For more technical data please see page 19

adventure B active



adventure 8 x 26 B active



adventure 10 x 26 B active

Striking design with far vision

The new adventure B active is tough and ready for the challenge. On land, on the water or in the air. Water-tight and exceptionally robust, the adventure B active is capable of coping with (almost) anything. Enjoy the excitement of the great outdoors – whatever the weather.

The BaK-4 prisms and full multi-coating provide exceptional image quality.

adventure 8 x 26 B active

Ref. No:	4270826
Magnification	8 x
Lens Ø	26 mm
Field of view	105 m/1000 m
Accessories	Padded carrying strap, one-piece protective eyepiece and lens caps, protective case.
Guarantee	5 years

adventure 10 x 26 B active

Ref. No:	4270126
Magnification	10 x
Lens Ø	26 mm
Field of view	96 m/1000 m
Accessories	Padded carrying strap, one-piece protective eye piece and lens caps, protective case.
Guarantee	5 years

For more technical data please see page 19

trophy S zoom








- Easy location of objects using the “fix finder” scope.
- Robust, even in bad weather – nitrogen-filled and watertight.
- Relaxed viewing.
- Viewing with glasses/sunglasses easy with twist-up B eyepiece.
- Quick adjustment of magnification using zoom for moving objects etc.
- Vibration-free and steady image with tripod socket or table-top tripod.
- Compact design makes it easy to carry using the aluminum carrying case or carrying bag.

For more technical data please see page 19



Technical Data

Optical Parameters as per DIN 58386, 58388


												
Ref. No.	4250842 B	4253842 B	4274845 B	42741 B	42848241B	42841281B	4282832 B	4282742 B	4282150 B	4237840 B	4237150 B	4237856 B
Magnification	8x	8x	8.5x	8-15x zoom	8x	10x	8x	7x	10x	8x	10x	8x
Objective-Ø (mm)	42	42	45	35	24	28	32	42	50	40	50	56
Exit pupil (mm)	5.25	5.25	5.3	4.4-2.3	3.0	2.8	4.0	6.0	5.0	5.0	5.0	7.0
Geometric light beam	27.6	27.6	28.0	19.4-5.3	9.0	7.8	16.0	36.0	25.0	25.0	25.0	49.0
Twilight power	18.3	18.3	19.6	16.7-22.9	13.9	16.7	16.0	17.1	22.4	17.9	22.4	21.1
Field of View/1000 m	113	113	117	91-70	109	86	131	114	88	143	114	102
Near Point (m)	2.5	2.5	3	3	3	4	2	3	4	4	8	8
Min./Max.												
Pupil distance (mm)	60/70	60/70	58/74	56/74	35/72	35/72	59/73	59/73	59/73	59/71	59/71	59/71
Height (mm)	160	160	156	156	98	109	123	152	170	142	175	183
Weight w/o pouch (g)	714	714	810	900	250	260	680	761	863	990	1150	1190
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Ref. No.	42878252B	42871252B	4272832B	4272142 B	4272856B	4288822	4288125	4270842 B	4295825 B	4270826 B	4270126 B	46301 B
Magnification	8x	10x	8x	10x	8x	8x	10x	8x	8x	8x	10x	15-45x zoom
Objective-Ø (mm)	25	25	32	42	56	22	25	42	25	26	26	60
Exit pupil (mm)	3.1	2.5	4.0	4.2	7.0	2.75	2.5	5.25	3.13	3.25	2.6	4.0-1.3
Geometric light beam	9.6	6.25	16.0	17.6	49.0	7.6	6.25	27.6	9.8	10.6	6.8	16-1.7
Twilight power	14.1	15.8	16.0	20.5	21.1	13.3	15.8	18.3	14.1	14.4	16.1	30-52
Field of View/1000 m	92	87	117	98	114	143	114	114	105	105	96	132-63
Near Point (m)	2	2	4	4	4	3	3	3	5.0	2.5	2.5	5
Min./Max.												
Pupil distance (mm)	34/75	34/75	59/73	59/73	57/70	32/74	32/74	56/74	mono	54/74	54/74	mono
Height (mm)	110	110	125	150	190	105	105	145	106	104	104	len. 320
Weight w/o pouch (g)	300	300	790	820	1390	260	270	750	100	290	295	995
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 **ESCHENBACH**

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