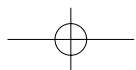


Carl Zeiss Sports Optics

Carl Zeiss binoculars



We make it visible.





Contents

Carl Zeiss – Quality of world-class repute __ **04**

Carl Zeiss Sports Optics –
committed to nature _____ **06**

The ZEISS binocular range _____ **08**



Binoculars

Victory Compact _____ **10**

Victory _____ **12**

ClassiC Compact _____ **16**

ClassiC _____ **18**

Conquest _____ **20**



Special scopes

ClassiC nautical binocular _____ **22**

ClassiC 20 x 60 with image stabilisation ____ **23**

Victory Nightscope _____ **24**



Monos

MiniQuick® _____ **26**

Mono ClassiC _____ **26**

Monos Design Selection _____ **26**



Spotting scopes

Diascope _____ **28**

Eye pieces _____ **30**



Accessories

Quick camera adapter _____ **32**

Photo adapter _____ **34**

Astro adapter _____ **35**

Tripod _____ **36**

Mono ClassiC 3 * 12 B magnifier _____ **37**

Overview

Technical data
Binocular ABC, www.zeiss.de _____ **38**

Carl Zeiss - Quality of world-class repute.

Since its foundation over 150 years ago Carl Zeiss has been a worldwide leader in the optics manufacturing sector. It is precisely this world-class reputation that provides a constant incentive to develop products of the highest standard.

A high degree of expertise and innovation from planning through to production and final inspection ensures the realisation of our objective: ZEISS quality.

For film stars ...

Be it camera objective lenses, space research, microscopy or medical technology, all Carl Zeiss research departments are continually developing pioneering innovations.

Brilliant technology in the film world: in Hollywood ZEISS camera objective lenses frequently supply breathtaking shots, for instance in the "Lord of the Rings" trilogy. The Ferrari Formula 1 team also relies on Carl Zeiss technologies to ensure the quality of its transmission systems and racing car bodywork.

... and for you!

Many valuable insights acquired in the development of special optical products are directly incorporated into the design of our binoculars. A highly topical example in this case is the special fluoride glass featured on the new Victory FL binoculars: their lenses contain fluorine ions that contribute to a further considerable improvement in image quality.





Premium products for all implementation fields

Image brilliance primarily depends on the quality of the optics. For this reason, Carl Zeiss insists on the highest standards in the selection and processing of glass materials. This alone makes it possible to achieve top performances in light transmission, colour rendition, resolution and contrast.

The same high standards apply to the assembly and adjustment of the precision mechanical parts. These take place in air-conditioned clean rooms: implementing the most sophisticated measuring systems, products are manufactured in manifold operating and test stages. Quality assurance checks hereby ensure that individual parts with minimum tolerance deviations are not used.

Only if the highest standards of precision are observed may binoculars of ZEISS quality be produced. Each of our binoculars is water and dirt-protected, always reliable, even in rugged use and completely impervious to extremely high or low air temperatures, throughout the course of their extremely long service life.

Spectrum of versatility

From leisure binoculars to high performance scopes – in our wide selection of 30 monoculars and binoculars, nature lovers and outdoor sportsmen/women, hunters and field ornithologists alike are sure to find just the right model for their purpose. Despite their great versatility, all models feature a common denominator: each is an original Carl Zeiss product.



Drawing nature closer to man.

As a specialist in long-range optics, Carl Zeiss Sports Optics is wholly committed to this principle – both technically and personally. In order to bridge the gap between man and nature, we not only develop increasingly more efficient optical equipment but are also intensively involved in countless nature conservation projects serving the protection of our natural environment – and above all, in permitting those interested in nature to experience it at close quarters and first hand.

As a company represented on all five continents we not only support many national projects but are actively involved in nature

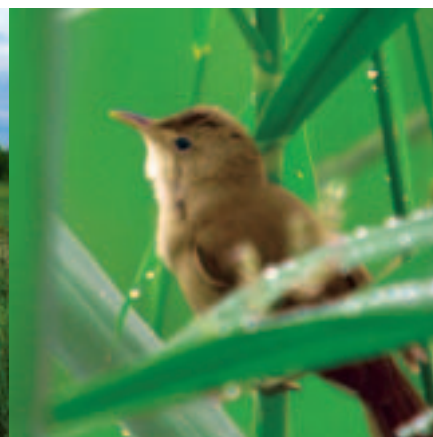
conservation all over the world. We would like to present to you some of the projects we support in Germany:

Nature conservation centre Federsee

The natural environment of the reed warbler and one of the few occurrences of the Corncrake – the Federsee in Upper Swabia – covering an area of 2,350 hectares, is one of the largest NABU (German nature conservation society) nature reserves and a paradise for over 260 birds and 700 plant types. To ensure that this living environment is preserved, in this case we mainly supply financial aid to this important conservation project.

Federsee nature reserve: home of the reed warbler and one of the few occurrences of the corncrake.

Weighing a whole 12 grams the Reed Warbler achieves great feats such as the annual migration to its winter quarters over 6,000 km away





Berchtesgaden national park: within the framework of the species support scheme for the Golden Eagle, Eagle eyries are located and observed using Carl Zeiss optical products.



King of the skies: ZEISS binoculars provide participants of guided walks led by national park administrators with close-ups of these rare birds.

Research station Randecker Maar

In the middle of the Sixties the importance of the pass cleft at Randecker Maar for migrant birds was discovered. During their migration south, birds select such passes in order to negotiate the Swabian Mountains and expend as little effort as possible. For the past 35 years the figures for 200 species of birds and migrating butterflies have been recorded here and their behaviour studied. The voluntary monitoring scheme, unique in Europe, provides a data base of international significance. As, up to the present, public funding has been sought to no avail, this project is dependent on private financing to which we have long been happy to contribute.

Nature reserve centre Wollmatinger Ried

The "Wollried" on the German banks of Lake Constance numbers amongst the largest NABU (German nature conservation society) projects. Over 50,000 waterfowl and numerous waders rest here on their way south. Nature lovers can learn a wealth of information about the nature reserve in the NABU info centre which receives visitors with a permanent exhibition and multi-vision show. The centre's events calendar, in Summer especially,

features guided tours, lectures and seminars more or less on a daily basis. We support this NABU project financially to assure the continued existence of this exemplary institution.

Golden Eagle project Berchtesgaden

We support the species support scheme for the Golden Eagle which is being successfully carried out in the Berchtesgaden nature reserve by supplying it with ZEISS binoculars and scopes.

Partnership with the German hunting society

This officially recognised nature conservation association is supported by us in the form of various projects. We helped Rotwild AG in their efforts to preserve and improve the living environments of the wildlife in this country.

This is only part of our commitment. In many further cases we supply our high performance optics equipment to nature lovers and researchers. Cooperation with reputable ornithologists and other experts is incorporated in the new development and improvement of our products – from which you, as customers, also benefit.

Which is your favourite binocular?

The ZEISS binocular range

Our large selection of binoculars means that an ideal model is always available to suit every implementation and requirement. Given this model diversity, the following recommendations are designed to facilitate your selection:

Magnification and Objective lens diameter

Good all-round features are for instance offered by models with 7 to 10x magnification. For day observation those with an objective lens diameter of 20 to 42 mm are adequate. If a higher twilight performance is required, the objective lens diameter should be wider.



A high degree of magnification does not automatically mean that one "sees more" as with increased magnification individual unsteadiness of hand is magnified too, reducing, in

turn, detail recognition. Experience has shown that the limit for freehand observations lies at 10x magnification. For implementation at sea, "turbulent" from the outset, 7x magnification is ideal. Binoculars featuring 12x magnification upwards should be supported or used with a tripod.

Performance and Implementation purpose

Individual requirements principally determine choice in respect of optical and technical performance. The finest of details must be recognisable? Is the binocular to be used daily and also in rugged conditions? If weight is a consideration, e.g. during hill walking, mountain climbing or when travelling, 8 x 30 lightweight models or pocket binoculars are suitable choices.

Which binocular is best suited to your requirements and personal preference may be tested individually on visiting your specialist store. Further information is also supplied by our binocular ABC on the fold-out at the end of this brochure!





Serial efficiency:

Three Carl Zeiss binocular series are available. The following thumbnail profiles are designed to provide an insight into the various features whereby all models are climatically proof from -20 to +40°C and equipped with the ZEISS T*

multi-layer coating. Due to the high standards of quality demanded of our products we provide long-term guarantees on all models that exceed statutory requirements by far.



Victory Series – high-end binoculars for ornithologists, hunters and naturalists who demand the best.

- Maximum values for brightness, contrast, resolution and colour fidelity
- Light transmission of over 90 %¹⁾
- Optimum marginal sharpness and minimum colour fringes, in particular on the new FL models
- Largest field of view due to wide-angle eye pieces¹⁾
- Advanced Optics System by Carl Zeiss
- Rubber-armoured casing
- Water and dustproof to ISO 9022-81
- Nitrogen-filled against misting on interior
- Spectacle-eye pieces with lockable slide/rotary eye cups



Classic Series – tested, proven, reliable. These classic models are not only highly popular with hunters.

- Decades of proven quality from the Carl Zeiss company
- Rubber-armoured casing¹⁾
- Splash water and dustproof
- Spectacle wearer eyepieces with push-pull rubber eye cups



Conquest Series – lightweight, well equipped models with an attractive price-performance ratio. Ideal for first-time buyers and families or as reserve binoculars.

- Minimum weight
- Highly attractive price-performance ratio
- Rubber-armoured casing
- Water and dustproof to ISO 9022-81
- Spectacle-wearer eye pieces with lockable slide/rotary eye cups

¹⁾ These features do not apply to the compact binoculars in the respective series.

Minimum dimensions. Optimum optics.

Victory Compact 8 x 20 and 10 x 25 B T*

These exceptionally high quality pocket binoculars are standard-setters. Outstanding design is united here with top technical performance. In a minute format, they achieve sensational optical quality. Enjoy brilliant, bright images, richly contrasted, high-resolution and colour fidelity. In respect of resilience, the Victory Compact models are also first class. Both in the great outdoors and at cultural or sporting events, these universally implemental pocket binoculars will sharpen your eyes to detail, lending your visual experiences even greater intensity.



Handy high performance.

Regardless of your pursuits, these beautifully styled, universally implemental compact binoculars are always an ideal choice. Not only in outdoor use and all other forms of leisure activity have these rugged pocket binoculars proven their worth. The small all-round water and dustproof binoculars are nitrogen-filled as well as being climate-proof, affording hunters excellent services as a second pair.

Swiftly folded away the Victory Compact 8 x 20 B T* fits snugly into your pocket and is immediately ready for use when required. Distant objects seem just a stone's throw away, with a very short close-range setting of only 2.6 metres you may also observe your immediate surroundings more closely and for instance, examine butterflies or insects.

High magnification in brilliant quality, minimum dimensions and a lightweight design characterise the Victory Compact 10 x 25 B T*. The larger of the two models still has room in practically all pockets.



Victory Compact 8 x 20 B T
order no. 52 20 31*



Victory Compact 10 x 25 B T
order no. 52 20 32*

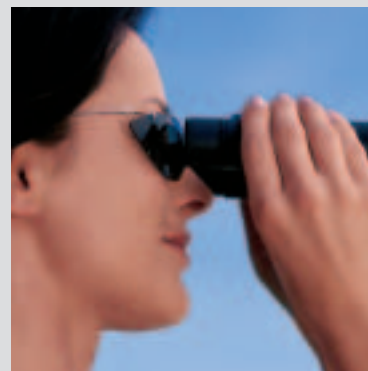
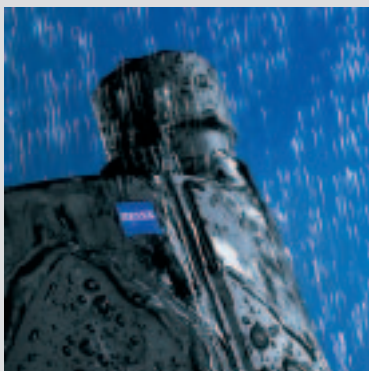
Included in delivery scope: carry strap and Cordura pouch with belt loop.

Please refer to page 38 for technical data.

Reliable in all weather conditions due to water and dustproof casing.

The compact binoculars take up a minimum of space when folded.

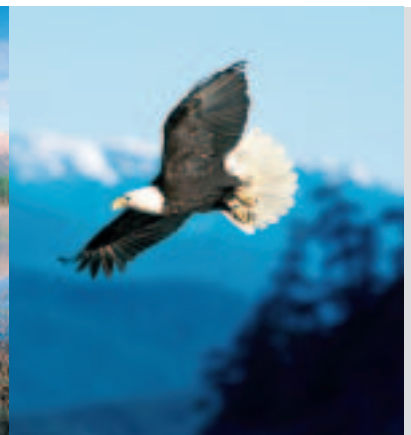
Spectacle-wearer eye pieces and slide eye cups provide even spectacle wearers with full appreciation of the entire field of view.



Perfection in the palm of your hand.

Victory 7 x 42. 8 x 42 and 10 x 42 T* FL

Top marks for image brilliance and ergonomics: Victory FL, the innovative binoculars that create new dimensions in observation. Special fluoride glass ensures minimum colour fringes, high marginal image sharpness and also sets standards in respect of resolution, contrast and colour fidelity. Due to their innovative design with magnesium elements, these powerful binoculars are extremely lightweight, compact, rugged and fit in one's hand snugly.



First class. Ergonomic.

Victory FL binoculars have all the features when it comes to class and compact dimensions. Sensational image quality, large fields of view, extreme durability and a lightweight, ergonomic design are cornerstones defining the efficiency of this series. The newly calculated optics with ZEISS T* multi-layer coating in combination with fluoride glass ensures ultimate viewing performances. All Victory models are water and dustproof, nitrogen-filled and climate-proof.

The Victory 7 x 42 T* FL is the specialist in hunting and nature observation with an unparalleled field of view of 150 m at 1000 m and extraordinary brightness due to a 6 mm exit pupil.

The premium class universal binocular: Victory 8 x 42 T* FL. With regard to image quality and user benefits, this model will impress anyone requiring a very powerful, handy and rugged all-round binocular.

Professional and amateur ornithologists alike will greatly appreciate the Victory 10 x 42 T* FL. This high-magnification model will also be popular with hunters who value a high degree of detail recognition – and especially when hunting in mountainous terrain.



Victory 7 x 42 T FL
order no. 52 45 20*



Victory 8 x 42 T FL
order no. 52 45 21*



Victory 10 x 42 T FL
order no. 52 45 22*

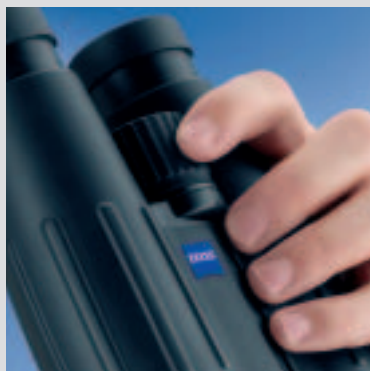
Included in the delivery scope: eye piece and objective lens protective cap, carry strap, Cordura pouch.

Please refer to page 38 for technical data.

Using the universal tripod fixture, Victory models may be swiftly and easily mounted on a tripod.



Deep ribbing for optimum grip, even when wearing gloves.



Eye cups with rotary mechanics: height adjustable in 4 settings, no unintentional retraction possible.



Objectively larger. Subjectively stronger.

Victory 8 x 56, 10 x 56 and 12 x 56 B T*

The large objective lens is not the only feature these three models have in common. Fantastic features characterise these Victory's uniting excellent image quality with compact dimensions – due to the revolutionary Carl Zeiss Advanced Optics System incorporated for the first time ever in these models. This system is based on an innovative optics calculation and the use of special glass types, simultaneously improving image quality and reducing dimensions. The three binoculars are water and dustproof, nitrogen-filled, impact-proof, shock-tested, rubber-armoured and always reliable even in rigorous conditions.



Light-sensitive and precisely detailed.

The smallest of the three models, Victory 8 x 56 B T*, is a "classic" binocular for use in the dark mornings or evening twilight hours. Due to 8x magnification, steady freehand observation is perfectly possible. This classic model, with the latest high performance optics and a sensationally large field of view of 132 m at 1000 m, is extremely popular with hunters, foresters and zoologists.

The Victory 10 x 56 B T* is a binocular of immense optical power that, due to high magnification, offers excellent detail recognition. It may be mounted with an adapter completely effortlessly on a tripod or tree mount. If long-range observation is required, this model is an excellent choice.

Wonderful viewing down to the minutest detail is offered by the Victory 12 x 56 B T* not only in bird and nature observation. The high degree of magnification still permits the recognition of fine details at very long range. Due to maximum transmission levels, the high performance glass demonstrates vast reserves even in poor light conditions.



*Victory 8 x 56 B T**
order no. 52 56 60



*Victory 10 x 56 B T**
order no. 52 56 62



*Victory 12 x 56 B T**
order no. 52 56 63

Included in the delivery scope: eye piece protective cap and neoprene carry straps.

Please refer to page 38 for technical data.

Due to indented markings on the central focussing control and dioptre compensator, the zero setting may be easily located even in the dark.

Superior leather pouches are also available for high quality binoculars as accessories. (order no. 52 90 86)



A clear view to fold up.

ClassiC Compact 8 x 20 und 10 x 25 B T*



The paraglider high up in the sky, a climber on the rock face opposite, the surfer far out from the coast...with these ultra lightweight and powerful pocket binoculars you can experience the most wonderful moments at close hand. With compact dimensions and the ingenious Z-fold the handy lightweight binoculars fit into every pocket. Whatever you are embarking on, be it in the great outdoors or travelling, ClassiC Compact binoculars are ideal companions.



10 cm. 185 gram. 1000 options.

ClassiC Compact binoculars are impervious to snow, rain and cold. Their casing is climate-proof as well as splash water-proof, thus protecting the powerful precision optics inside. Equipped with ZEISS T* multi-layer coating, these compact models offer an astonishingly good image quality. Fitted with spectacle-wearer eye pieces and push-pull eye cups they also permit (sun) glass wearers full appreciation of the entire field of view. And all that at an attractive price, too.

For outdoor activities, cultural and city tours or open air concerts: with a minimum weight of just 185 grams the ClassiC Compact 8 x 20 B T* never gets left behind.

Due to increased magnification at a weight of only 200 grams the ClassiC Compact 10 x 25 B T* is highly popular with mountaineers and lovers of the great outdoors in particular.



*ClassiC Compact 8 x 20 B T**
order no. 52 20 33



*ClassiC Compact 10 x 25 B T**
order no. 52 20 34

Included in the delivery scope: carry strap and Cordura pouch with belt loop.

Please refer to page 38 for technical data.

Focusing control and dioptre compensator may be very easily set with one hand.

The ingenious Z-fold for minimum transport dimensions.

Always on hand: the ClassiC Compact fits snugly into practically all pockets.



The Classic model - nothing could be less antiquated.

ClassiC binoculars 8 x 30 B/GA T*, 8 x 30 B/GA olive and 8 x 56 B/GA T*



As quality never goes out of fashion the ClassiC series is always up-to-date: binoculars that satisfy high standards and have long set the pace in this sector, be it in the fields of hunting, ornithology or nature observation. All models feature a top-of-the-range performance and are extremely well equipped with e.g. spectacle-wearer eye pieces featuring push-pull eye cups and rubber armoring for an improved grip. Due to these and further benefits, the three binocular models are coveted ClassiCs.



The ultimate binocular.

For decades, the Carl Zeiss ClassiC series has been synonymous for binoculars on which one may always rely – both in optical and technical respects.

The ClassiC 8 x 30 B/GA T* ranks at the top of many shopping lists. Lightweight and compact, with wide-angle eye pieces and good reserves for unfavourable light conditions, this universal binocular may be used in diverse situations.

The particularly rugged safari version of the ClassiC 8 x 30 with individual eye piece adjustment and extra grip armouring is available in olive.

A further top product by Carl Zeiss is the ClassiC 8 x 56 B/GA T*. Extremely light-sensitive and with a high twilight performance it has become standard equipment for many hunters and naturalists.



*ClassiC 8 x 30 B/GA T**
order no. 52 35 09



ClassiC 8 x 30 B/GA olive
order no. 52 35 14



*ClassiC 8 x 56 B/GA T**
order no. 52 56 58

Included in the delivery scope: eye piece protective cap and neoprene carry straps.

Scope of delivery for ClassiC 8 x 30 olive: eye piece and objective lens cap, olive carry straps.

Please refer to page 38 for technical data.

Fitted with spectacle-wearer eye-pieces and push-pull eye cups.

Just as proven as the binocular it protects: the classic leather case for 8x 56 B/GA T.*

Proven user-friendliness: focusing via the central focusing control on the 8 x 56 BG/A T.*



Effortless long range viewing.

Conquest 8 x 30, 10 x 30, 12 x 45 and 15 x 45 B T*

Efficiency and ease, compactness and convenience – those are the benefits characterised by the Conquest models. The proven optical quality of Carl Zeiss goes without saying. Extremely handy and lightweight, Conquest binoculars may be packed quickly into ones rucksack or leisure bag to accompany one to the bird reserve or hunting preserve, during mountain climbing or hill walking. Their attractive price-performance ratio is not the only reason that the Conquest models are ideal for newcomers or as second pair.



Remarkable main features.

The ZEISS T* multi-layer coated optics of the Conquest models are embedded in a rugged, temperature-proof casing with easy-grip rubber armouring. The binoculars are water and dustproof to ISO 9022-81, nitrogen-filled and equipped both with spectacle-wearer eye pieces and slide/rotary eye cups. The four models in the Conquest series hereby cover the most varied of implementation areas.

An excellent choice for a long day's stalk or mountain hunting are these universal Conquest 8 x 30 B T* and 10 x 30 B T* binoculars. These light-weight models are however just as ideal for family outings and sports events.

Regardless of whether one opts for the Conquest 12 x 45 B T* or the 15 x 45 B T* model with special characteristic data. Both are ideally suited for difficult long-range observation tasks.



*Conquest 8 x 30 B T**
order no. 52 32 08



*Conquest 10 x 30 B T**
order no. 52 32 10



*Conquest 12 x 45 B T**
order no. 52 45 12



*Conquest 15 x 45 B T**
order no. 52 45 15

Included in the delivery scope: eye piece protective cap, carry strap and Cordura pouch with belt loop.

Please refer to page 38 for technical data.

Water and dustproof as well as nitrogen-filled to prevent interior misting.

Equipped with lockable slide/rotary eye cups.

Your Conquest binocular comes in a high quality Cordura pouch.



For exciting seascapes.

**Nautical binocular Classic
7 x 50 B/GA T***



Classic 7x 50 B/GA T
order no. 52 55 05*

*Included in delivery scope: eye piece, objective
lens protective cap and neoprene carry straps.*

Please refer to page 38 for technical data.



On the beach, at the harbour or on the high seas: Whatever there is to discover – with this binocular you will be able to sight it perfectly. For this classic module with Porro prisms offers incomparable views down to the minutest, sharpest detail. Even in turbulent seas, due to the spectacle-wearer eye pieces with large exit pupil, steady observation is possible. The further technical characteristics are also sure to impress every skipper: at sea essential features such as a rugged design, objective lens protective caps, individual eye piece setting and anti-magnetic materials.

*The large objective lenses are fitted with
integrated protective caps.*



Clarity at the press of a button.

**ClassiC 20 x 60 S
with image stabilisation**



*ClassiC 20 x 60 S
order no. 52 60 00*

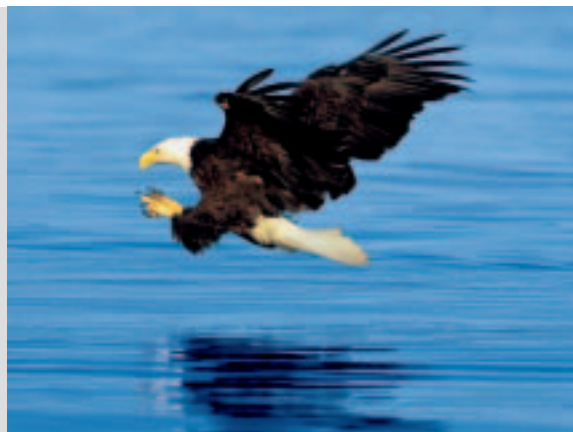
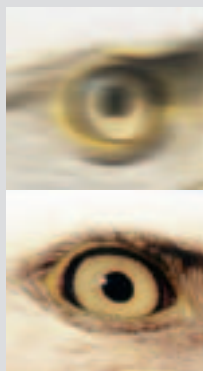
*Included in the delivery scope: wide carry straps,
eye piece protective cap, and aluminium case.*

Please refer to page 38 for technical data.

20x magnification with an objective lens of 60 mm – such figures are sure to delight experienced professionals. This superlative binocular permits user-friendly binocular observation – even without a tripod! The unique mechanical image stabilisation developed by Carl Zeiss permits – noiselessly and without batteries – freehand observation at 20x magnification: ideal for precisely detailed observation of wild animals or natural phenomena that cannot be approached too closely.

The stabilisation switch is located underneath continuous protective cladding.

*Comparison of 20x magnification: at top un-stabilised – the eye is blurred.
At bottom stabilised – the eye is sharply defined.*



For clear nights.

Victory Night Scope NV 5.6 x 62 T*

Grazing red deer in a clearing or wild boars roaming through the night – even with the most light-sensitive binoculars in the darkest twilight hours or moonless nights one quickly reaches a point where everything is bathed in pitch darkness. Important observations are nevertheless required – be it hunting preserve proprietors pursuing midnight sitting game, nature lovers interested in night-active animals or helmsmen who must navigate at night. A light in the darkness is supplied by the new Carl Zeiss night scope that is indeed unparalleled. Due to its exceptional performance and particular ergonomics, the Victory NV was awarded the Flint Innovation Prize 2003 by the DWJ.



Excellent innovation: the Victory NV was awarded the Flint Innovation Prize 2003.



20,000 times more intensive.

Based on the principle of low-light intensification, the Victory NV picks up the light from the brightness of the moon or stars or radiance from the horizon that cannot be perceived by the naked eye. The light shed on the observed object is intensified 20,000 times on the phosphorescent screen via highly sophisticated technological processes, enabling you to recognise objects even at a distance of 500 m with 5.6x magnification. You are thus supplied with a very large field of view of 146 m at 1000 m and one of the shortest focusing distances of only 5 m.

Due to its compact dimensions, weight of only 1100g and modern, ergonomic contours, the Victory NV may be operated like a handy camcorder. Further benefits: spectacle-wearer eye pieces, a user-friendly focusing ring and integrated LED for brightening ones immediate surroundings.

Special lamps and infra-red filters may be attached to the bottom of the device via a fixture in order to extend the night scope's range even further.



Victory NV 5.6 x 62 T
order no. 52 30 07*

Included in the delivery scope: wide carry straps, objective and eye piece protective cap, Cordura pouch and batteries.

Please refer to page 38 for technical data.



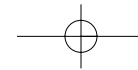
Victory NV 5.6 x 62 T, mounted on the Carl Zeiss tripod (see page 36).*

With this fixture (order no. 52 30 06-9006) special lamps may be attached on the bottom.

Suitable lamps such as Surefire (left.) or Maglite (right, with adapter, order no. 52 30 06-9008) and infra-red filters are commercially available.

With the aid of a camera adapter (order no. 52 30 06-9007) night time impressions may be captured.





Magnification in compact style.

Monos and MiniQuick®



A quick reach into one's jacket pocket and distant objects are brought up close. Carl Zeiss monoculars are so light, compact and handy that they may be carried around as naturally as a pocket knife or lighter. Due to their short close-up focusing range all models may also be used as magnifying aids, to observe insects and butterflies or read the small print on timetables etc.

Diversity - of selection and implementation.

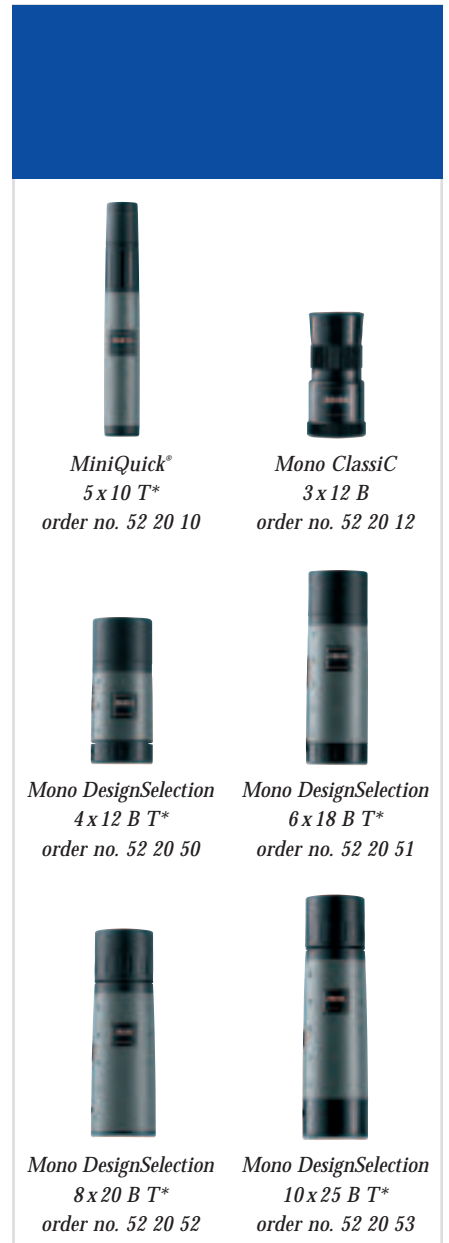
At the theatre, museum, on journeys, at sports events, the zoo, circus and outdoors: mono implementation options are practically limitless.

At 23 g, the MiniQuick® 5x 10 T* is a feather-weight, slim as a fountain pen and with its handy clip just as easy to transport. It may be used as a binocular and magnifier.

The Mono ClassicC 3 x 12 B fetches distant objects into near view and enlarges small print. It may also be used as a complement to most ZEISS binoculars and, with an adapter, as a magnifier (see page 37).

The Design Selection 4 x 12 and 6x 18 B T* Monos are also binoculars and magnifiers rolled into one. A wide field of view, brilliant images due to superior optics and simple, precision focusing are the benefits offered by these models.

Mono Design Selection 8 x 20 and 10 x 25 B T* are mini travel telescopes. Due to high image quality based on superior optics and a weight of only 77g or 88g these models are popular with hill walkers as they do not represent an additional load on the tour.



Included in the delivery scope: carry belt (5 x 10 T* MiniQuick® with clip).

Please refer to page 38 for technical data.

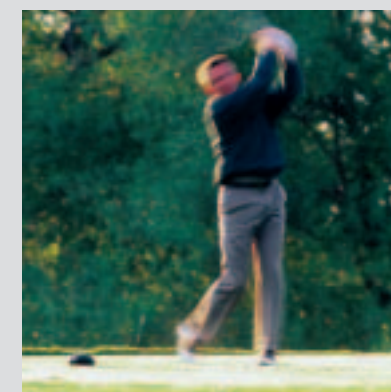
Not only first rate as binoculars: the monos may also be used as magnifiers.

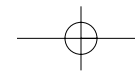
Indoors and outdoors: with the monos, interesting details may be sighted everywhere.

A fine leather pouch is available as an accessory for every ZEISS Mono.



en in de...
nos sind nahezu...
Mit 23 g ist das MiniQuick...
den Trage...
Zeiss Mono...
als Lupe ve...
Das Mono ClassicC 3 x 12...
her und macht klein gedr...
ng zu den meiste...
als optisc...





Superlative sights.

Diascope 65 and 85 T* FL

Detail recognition that defies description, excellent contrast and image qualities – those are the requirements that Carl Zeiss more than satisfies with this series of high performance Diascopes. Due to special fluoride glass, the objective lens possesses superachromatic properties resulting in a maximum reduction of colour fringes and assuring colour fidelity, rendering even the finest nuances in the natural hues.



A class of its own.

The Diascope spotting scopes impress with a first class optics system, a particularly compact and rugged design and sound mechanical system that assure enduring quality. They are, of course, water and dustproof as well as nitrogen-filled. An extendable sunshade protects against irritating stray light, dirt and rain. A sight is mounted on the sunshade to facilitate object spotting.

The handy ZEISS Diascope 65 T* FL's are lighter and shorter than the 85 T* FL and thus ideal for mountains and reserves that may only be reached by long hikes.

The ZEISS Diascope 85 T* FL's are deluxe spotting scopes that afford the best image quality and extremely high detail recognition, both at long range and when observing the smallest details at close range. Low in weight, high in performance, they are tailored for ornithologists with high standards and all naturalists.

Three eye pieces respectively are available for the spotting scopes. Please refer to the following pages for more details and the technical data.



Diascope 65 T FL straight viewing
order no. 52 80 02*



Diascope 65 T FL 45° angled viewing
order no. 52 80 12*



Diascope 85 T FL straight viewing
order no. 52 80 03*



Diascope 85 T FL 45° angled viewing
order no. 52 80 13*

Included in delivery scope: protective cap, excl. eye pieces.

All Diascope models are also available in 'green' variants (Please refer to page 31 for order no.).

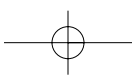
Please refer to page 31 for technical data.

*Available accessories:
protective jacket (above) or
carry pouch (below).*

*'Green' variant with green matt lacquer
for a minimum reflection, rugged surface.*

*The casing protects against impact,
moisture and extreme temperatures.*





Far. Further. Variable.

Three eyepieces for the Diascope models








Two fixed magnification wide-angle eye pieces and one zoom eye piece are available for the Diascope 65 T* FL and 85 T* FL. With each of the Diascope spotting scopes, the eye pieces form a high performance optics system for different implementation purposes. Due to the spectacle-wearer eye pieces and slide eye cups, the unusually large field of view may also be fully appreciated with spectacles.

Magnification in swift alternation

The three eye pieces feature a bayonet connection with safety catch for simple and swift replacement.

The zoom eye piece offers, even for small magnification levels, above-average fields of view. At low magnification objects are quickly located, then zoomed in to detect fine details.

Spotting scopes								
	Diascope 65 T* FL Straight viewing		Diascope 65 T* FL Angled viewing		Diascope 85 T* FL Straight viewing		Diascope 85 T* FL Angled viewing	
								
Weight (g)	1,100				1,450			
Length (mm)	300				345			
Height (mm)	105				105			
Width (mm)	80				97			
Objective lens diameter (mm)	65				85			
Shortest focusing distance (m)	4				5			
Order numbers	52 80 02		52 80 12		52 80 03		52 80 13	
Order numbers green	52 80 04		52 80 14		52 80 05		52 80 15	
	Eye piece 23 x	Eye piece 30 x	Zoom-eye piece	Eye piece 30 x	Eye piece 40 x	Zoom-eye piece		
Magnification	23x	30x	15–45x	30x	40x	20–60x		
Focal length f (mm)	16.7	12.8	25.1–8.4	16.7	12.8	25.1–8.4		
Field of view at 1000 m (m)	52	40	56–26	40	30	43–20		
Twilight performance	38.7	44.2	31.2–54	50.5	58.3	41.2–71.4		
T* = ZEISS multi-layer coating								

Eye pieces			
	Eye piece ¹⁾ 23 x / 30 x	Eye piece ²⁾ 30 x / 40 x	Zoom eye piece ³⁾ 15–45 x / 20–60 x
			
Exit pupil diameter	2.8	2.1	4.3–1.4
Weight (g)	230	230	330
Length (mm)	87	77	99
Diameter (mm)	48	48	56
Order numbers	52 80 18	52 80 19	52 80 20

- 1) 23 x for Diascope 65 T* FL as well as 30 x for Diascope 85 T* FL.
- 2) 30 x for Diascope 65 T* FL as well as 40 x for Diascope 85 T* FL.
- 3) 15–45 x for Diascope 65 T* FL as well as 20–60 x for Diascope 85 T* FL.



Magnification range for Diascope 65 T* FL models with zoom eye piece



15 x



30 x



45 x



20 x



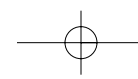
40 x



60 x

Magnification range for Diascope 85 T* FL models with zoom eye piece





Observe - or record?

Quick camera adapter for digital cameras



The swivel quick camera adapter combines spotting scopes with digital cameras and video cameras transforming them into super-teles. Simply mount the camera behind the spotting scope eye piece and adjust – you are then all set to photograph with focal lengths that otherwise may only be achieved with expensive high power tele objective lenses. The swivel mechanism hereby permits rapid switching from pure observation through the spotting scope to photo or video mode.



Panorama-style filming.

The adapter takes both digital cameras and video cameras. Due to its stable design, rapid switching from recording to regarding - and back again, works even for heavier digital video cameras.

Photographing, filming or observing in top image quality: simply swivel out the camera to the side, a catch assures an exact seat when swivelled back into place.



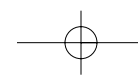
*Quick camera adapter
order no. 52 86 10*

You may, of course, use all ZEISS Diascope 65 T* FL and 85 T* FL, with straight and angle viewing, with this universal adapter. Even reflex cameras featuring objective lenses with a 50 mm focal length may be mounted on spotting scopes. The extremely rugged adapter is collapsible, it weighs just approx. 870 g.

Due to the variety of digital camera models with the most diverse of dimensions not all are suited for mounting on the quick camera adapter. For more details please visit our Internet web site www.zeiss.de/sportsoptics

Due to its stable design, the swivel mechanism also functions with digital video cameras.





Capturing moments.

Photo adapter



*Photo adapter
order no. 52 80 30*



*Commercially available T2 ring.
(Not included in delivery scope)*

Moments not only to be observed but also captured. With the ZEISS photo adapter your spotting scope is transformed into a super tele with a focal length of up to 1000 mm for a 1:12 relative aperture, replacing an expensive tele-objective lens. The photo adapter is screwed to the spotting scope instead of the eye piece, each reflex camera may

then be mounted on the photo adapter with a suitable commercially available T2 ring. Regardless of whether you photograph in portrait or landscape mode – the camera may be freely rotated in the adapter. The photo adapter is suitable for all ZEISS Diascope spotting scopes.



Linking heaven and earth

Astro adapter



Discover heavenly bodies with spotting scopes: ZEISS astro adapters for commercially available astro-eye pieces transform your Diascope spotting scope into a "mobile observatory", providing you with an insight into the universe beyond. Commercially available 1 1/4" astro-eye pieces are adaptable. On the other hand, with the ZEISS astro adapter for astronomical telescopes zoom eye pieces and fixed eye pieces from the Diascope series may be mounted on astronomical telescopes.



*Left: commercially available astro-eye piece mounted in the centring ring.
Right: coupling ring for securing purposes. (Eye piece is not included in the delivery scope)
order no. 52 83 84*

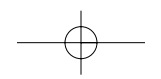


*Left: 1 1/4" adapter, order no. 52 83 85
Right: 2" adapter, order no. 52 83 86*



*Zoom eye piece mounted with 1 1/4" adapter.
(Zoom eye piece not included in delivery scope)*





Steady observation.

The Carl Zeiss tripod

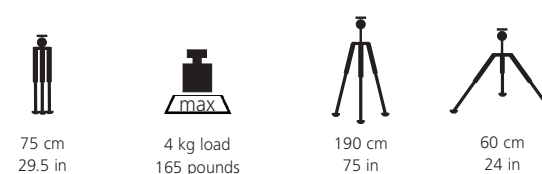


Highly stable and lightweight.
The Carl Zeiss tripod

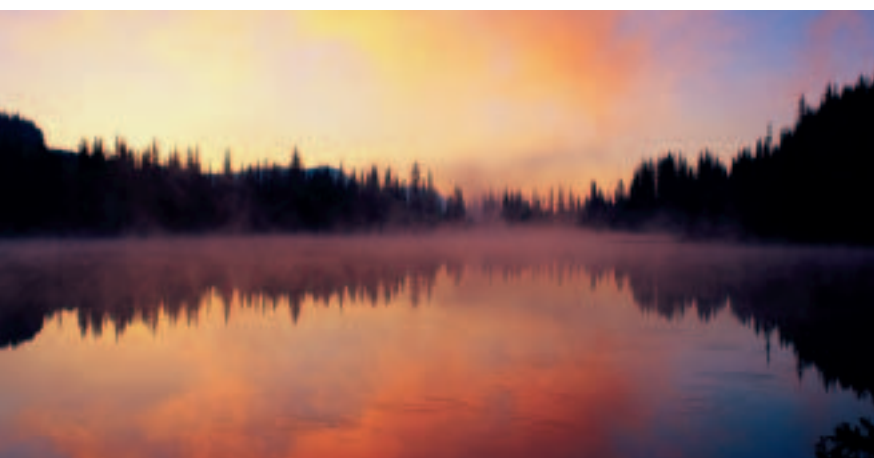


Tripod
order no. 1206.889

Absolutely steady, effortless observation, even at maximum magnification levels: the Carl Zeiss tripod offers exceptional stability and a minimum weight. It is, of course, not only an ideal prop for spotting scopes. All binoculars may be mounted with a suitable adapter, also appropriate cameras or video cameras. When folded, the tripod measures only 75 cm and weighs only 3.600 g, despite the sturdy all-metal structure incl. quick-change plate. With the convenient rubber jacket and carry straps, changes of location may be taken in one's stride.



For universal implementation: with the tripod fixture all ZEISS binoculars may be quickly mounted on the tripod. Order no. 52 83 87



Triple power

Mono ClassiC 3 x 12 B as magnifier



Mono ClassiC 3 x 12 B, as magnifier
suitable for practically all Carl Zeiss
binoculars.
order no. 52 20 12



Quick connection: with the appropriate
adapter ring the Mono may be simply
mounted on your binocular.
See below for order no.

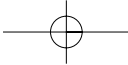
The ibexes high up on the cliffs, an interesting bird in the far distance – a spotting scope is not always at hand on every occasion. When travelling especially, in the mountains or in other situations in which you wish to keep equipment weight to a minimum and generally do not have a spotting scope with you, why not opt for the ideal alternative instead. With the handy Mono 3 x 12 B

as attachment for practically all ZEISS ClassiC and Victory models you may simply pull 3x magnification out of your pocket without having to dig into your wallet too deeply. The Mono is of course also extremely useful when used individually as a pocket binocular or magnifier for close range implementation (from 20 cm).














Adapter ring suitable for the following models:














	Victory 7 x 42 T* FL	Victory 8 x 42 T* FL / 10 x 42 T* FL	Victory 8 x 40 B T* 10 x 42 B T*	Victory 8 x 56 B T* / 10 x 56 B T*	Victory 12 x 56 B T*	ClassiC 8 x 30 B/GA T*	ClassiC 10 x 40 B/GA T*	ClassiC 7 x 42 B/GA T*	ClassiC 8 x 56 B/GA T*
Adapter ring order no.	52 83 77		52 83 76		52 83 71		52 83 83		

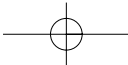




The ZEISS binocular range at a glance

	Binoculars												
	Victory Compact		Victory						ClassiC Compact		ClassiC		
	8 x 20 B T*	10 x 25 B T*	7 x 42 T* FL	8 x 42 T* FL	10 x 42 T* FL	8 x 56 B T*	10 x 56 B T*	12 x 56 B T*	8 x 20 B T*	10 x 25 B T*	8 x 30 B/GA T*	8 x 30 B/GA oliv	8 x 56 B/GA T*
													
Magnification	8 x	10 x	7 x	8 x	10 x	8 x	10 x	12 x	8 x	10 x	8 x	8 x	8 x
Objective lens diameter (mm/in.)	20/0.8	25/1	42/1.7	42/1.7	42/1.7	56/2.2	56/2.2	56/2.2	20/0.8	25/1	30/1.2	30/1.2	56/2.2
Exit pupil (mm/in.)	2.5/0.1	2.5/0.1	6/0.2	5.25/0.2	4.2/0.2	7/0.3	5.6/0.2	4.67/0.2	2.5/0.1	2.5/0.1	3.7/0.1	3.7/0.1	7/0.3
Twilight performance	12.6	15.8	17.1	18.3	20.5	21.2	23.7	25.9	12.6	15.8	15.5	15.5	21.2
Shortest focusing distance (m/ft.)	2,6/8.5	4/13.1	2/6.6	2/6.6	2/6.6	5/16.4	5/16.4	5.5/18	3/9.8	5/16.4	3/9.8	7/23	7/23
Field of view at 1000m (m) / at 1000 yds.(ft.)	117/351	95/285	Ww 150/450	Ww 135/405	Ww 110/330	Ww 132/396	Ww 110/330	Ww 90/270	110/330	88/264	Ww 133/399	120/360	110/330
Weight (g/oz.)	225/7.9	250/8.8	740/26.1	755/26.6	765/27.0	1.160/40.9	1.200/42.3	1.300/45.9	185/6.5	200/7.1	580/20.5	600/21.2	1.010/35.6
Height (with extended eye cup) (mm/in.)	102/4	120/4.7	164/6.5	173/6.8	173/6.8	200/7.9	200/7.9	210/8.3	102/4	119/4.7	119/4.7	141/5.6	238/9.4
Width (at 65mm interpupillary distance) (mm/in.)	97/3.8	97/3.8	128/5	128/5	128/5	144/5.7	144/5.7	145/5.7	93/3.7	97/3.8	109/4.3	114/4.5	143/5.6
Order numbers	52 20 31	52 20 32	52 45 20	52 45 21	52 45 22	52 56 60	52 56 62	52 56 63	52 20 33	52 20 34	52 35 09	52 35 14	52 56 58
Page	10/11	10/11	12/13	12/13	12/13	14/15	14/15	14/15	16/17	16/17	18/19	18/19	18/19
B = binocular with spectacle-wearer eye pieces T* = ZEISS multi-layer coating FL = fluoride glass GA = binocular with rubber armouring Ww = binocular with wide-angle eye pieces													

	Binoculars				Special scopes			Monos					
	Conquest				ClassiC with Porro prisms		Night scope	MiniQuick	Mono Design Selection				Mono ClassiC
	8 x 30 B T*	10 x 30 B T*	12 x 45 B T*	15 x 45 B T*	7 x 50 B/GA T*	20 x 60 S	Victory NV 5,6 x 62 T*	5 x 10 T*	4 x 12 B T*	6 x 18 B T*	8 x 20 B T*	10 x 25 B T*	3 x 12 B
													
Magnification	8 x	10 x	12 x	15 x	7 x	20 x	5.6 x	5 x	4 x	6 x	8 x	10 x	3 x
Objective lens diameter (mm/in.)	30/1.2	30/1.2	45/1.8	45/1.8	50/2	60/2.4	62/2.4	10/0.4	12/0.5	18/0.7	20/0.8	25/1	12/0.5
Exit pupil (mm/in.)	3.75/0.1	3/0.1	3.75/0.1	3/0.1	7.1/0.3	3/0.1	—	2/0.1	3/0.1	3/0.1	2.5/0.1	2.5/0.1	4/0.2
Twilight performance	15.5	17.3	23.2	26	18.7	34.6	—	7	6.9	10.4	12.6	15.8	6
Shortest focusing distance (m/ft.)	3/9.8	3/9.8	5/16.4	5/16.4	6.5/21.3	14/45.9	5/16.4	ca. 4/13.1	0.45/1.5	0.3/1	3/9.8	4.5/14.8	0.2/0.7
Field of view at 1000m (m) / at 1000 yds.(ft.)	120/360	96/288	80/240	64/192	130/390	52/156	146/438	100/300	180/540	120/360	110/330	88/264	220/660
Weight (g/oz.)	495/17.5	510/18.0	605/21.3	620/21.9	1,200/42.3	1,660/58.6	1,100/38.8	23/0.8	45/1.6	58/2.0	77/2.7	88/3.1	54/1.9
Height (with extended eye cup) (mm/in.)	142/5.6	142/5.6	173/6.8	173/6.8	144/5.7	275/10.8	233/9.2	113/4.4	70/2.8	94/3.7	102/4	118/4.6	58/2.3
Width (at 65mm interpupillary distance) (mm/in.)	115/4.5	115/4.5	119/4.7	119/4.7	215/8.5	161/6.3	70/2.8	—	—	—	—	—	—
Order numbers	52 32 08	52 32 10	52 45 12	52 45 15	52 55 05	52 60 00	52 30 07	52 20 10	52 20 50	52 20 51	52 20 52	52 20 53	52 20 12
Page	20/21	20/21	20/21	20/21	22	23	24/25	26/27	26/27	26/27	26/27	26/27	26/27
B = binocular with spectacle-wearer eye pieces T* = ZEISS multi-layer coating GA = binocular with rubber armouring S = stabilised NV = night viewing													





The binocular ABC

Which binocular is suitable for which purpose? What are your personal expectations? The following explanations are designed as a guide for your assistance.

Close-up range

The shortest possible focusing distance. This setting opens up completely new dimensions to the observer. At, for instance, only 2.6 m you may observe butterflies or other insects at very close range.

Diopter compensation

The compensation of various eye powers of vision.

Exit pupil

The exit pupil (visible as a small light disc in the eye piece) is of significance for twilight viewing, the image brightness perceived by the naked eye depends on its size. It is calculated by dividing the objective lens diameter by the magnification. An 8 x 56 binocular features an exit pupil of 7 mm or the equivalent of the maximum pupil aperture of the human eye.

Eye pieces

- **Spectacle-wearer eye pieces** supply the full field of view with and without spectacles. Due to the Carl Zeiss optics design, the exit pupil is located at least 15 mm behind the eye piece. With special eye cups featuring slide/rotary or push-pull mechanisms, spectacle-wearers may also fully appreciate the entire field of view.

- **Wide-angle eye pieces:** eye pieces that permit a particularly large field of view ($\geq 60^\circ$).

Field of view

This value specifies how many metres of terrain width may be viewed through the binocular at a distance of 1000 m. The higher the magnification the smaller, in general, the field of view. Here, special wide-angle eye pieces permit an increase in the case of binoculars.

FL fluoride glass

Lenses made of glass containing fluoride that lend the objective lenses superachromatic properties, i.e. reduction of colour fringes, colour fidelity with natural rendition of the finest nuances.

Magnification

This first of the characteristic data, e.g. 8, stands for magnification. The object observed appears 8x closer, which at a distance of 100 m means that you would see it with the naked eye from a distance of 12.5 m.

Nitrogen filling

Optical devices are filled with dry nitrogen (N_2) in order to prevent moisture penetration and misting of the optics.

Objective lens diameter

The second figure in the characteristic data of a binocular, e.g. 56, denotes the objective lens diameter in millimetres. It is a unit of measurement for the quantity of light that can penetrate the binocular.

Prisms

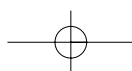
- **Roof prisms:** image reversal systems for a slimline, somewhat longer design (here, in most cases, Carl Zeiss uses superior Abbe Koenig prisms for image reversal practically without loss of light).
- **Porro prisms:** permits a short design and image reversal systems promoting three-dimensional viewing.

T* multi-layer coating

Practically all Carl Zeiss binoculars feature T* multi-layer coating whereby maximum light penetration (transmission) and contrast rendition across the entire spectral range is achieved.

Twilight factor or performance

For performance in poor light conditions comparative values are supplied by the twilight factor. It is calculated on the basis of the equation "square root of the magnification times the objective lens diameter". Please note: the twilight factor serves only as a reference and does not give an indication of the twilight efficiency of a binocular. This is determined by high transmission in the correct spectral range, a low stray light component, high contrast and resolution.



You can rely on it. Quality from Carl Zeiss

All binoculars leaving our factories fulfil five aims: top quality, maximum precision, exemplary craftsmanship, unlimited reliability and a long service life.

As such, all prisms and lenses are calculated according to the latest know-how and engineered for maximum precision. The optics components are adjusted with greatest accuracy and the ZEISS T* multi-layer coating assures excellent, richly contrasted images across the entire field of view.



Even in extreme weather conditions our binoculars are characterised by maximum reliability and implementation availability.

Carl Zeiss binoculars – premium quality of world-class repute.

Carl Zeiss in the Internet



To help you in your choice of the ideal binoculars we have developed a guide available for your use in the Internet. We have differentiated between five application sectors for our binoculars, e.g. "travel/culture", "nature observation/field ornithology" etc. We suggest several suitable

models for each application sector. Each binocular is presented here along with its main features. With just a few mouse clicks you may pinpoint the binocular best suited to your individual requirements. Furthermore our homepage includes interesting information on our corporate history, further product groups and current news. Enjoy your "surfing".

Our Internet address:
www.zeiss.de/sportsoptics

Extensive information on Carl Zeiss:
www.zeiss.de

1290.001 Printed in Germany NP-05/2004 www.sportive.net Printed on environment-friendly paper, bleached without the use of chlorine.



Carl Zeiss
Sports Optics

Gloelstr. 3-5
D - 35576 Wetzlar
www.zeiss.de/sportsoptics