



The Ultimate Visual Experience



Carl Zeiss Sports Optics

Gloelstraße 3-5 · 35576 Wetzlar · Germany · www.zeiss.de/sportsoptics

Hunting 2007/2008

1458-099 Printed in Germany HO-03/2007
www.kodak.de



We make it visible.

In the Realm of Fascination

All over the world, hunters, animal watchers and nature lovers connect the name ZEISS to intensive visual experiences. Revealing to them the detailed wealth of nature and bringing them closer to mysteries that are frequently only to be found far from civilisation is a fascinating task.

Carl Zeiss is one of the world's leading sources of inspiration for hunting and sports optics. No other manufacturer covers such a broad field of application. Nobody else has been as successful in promoting the specialisation of sports optics in recent years.

Carl Zeiss



From left to right: Carl Zeiss, Ernst Abbe, Otto Schott

Between Myth and Vision

160 years of pioneering in scientific optics have set the standard. Since the development of the first microscopes and binoculars in the mid 19th century, the joy of innovation at Carl Zeiss has characterised the evolution of optical systems.

The virtuoso fine mechanic Carl Zeiss felt the driving force of the desire for visual experiences and started to channel it into technical progress. Together with ingenious physicist Ernst Abbe and glass researcher Otto Schott, he created the foundations of modern optics, which have enabled the world to see through new eyes.

Nowadays, the company Carl Zeiss is a trendsetter in all its fields of action: microelectronics and measurement technology, ophthalmics, photography and sports optics. All over the world, around 12,000 employees pursue a single philosophy: we make it visible.





The Qualified Eye for the Wilderness

The habitats of animals living in the wild is moving ever further from the view of civilisation. This makes it all the more important for hunters, naturalists and anyone not wanting to lose sight of the primitiveness of our world to see into the world of the wild.

ZEISS hunting and sports optics reveal the entire wealth nature to the observer. They make it possible to understand life in the wild, with its own individual rules. They give the hunter the vision required to fulfil the great responsibility of managing game.

ZEISS hunting and sports optics are developed and manufactured on the factories of Carl Zeiss AG. As an excellently equipped think-tank for adventure optics, the company division Carl Zeiss Sports Optics, based in Wetzlar, gives people firsthand experience that technological progress is continually expanding the field of vision.



Famous explorers such as Roald Amundsen and Heinz Sielmann discovered nature using ZEISS binoculars. Today too, well-known adventurers, photographers and filmmakers rely on ZEISS Optics: Hans Kammerlander, Jürgen Sedlmayr, Andreas Kielsing and many more.



Hunters and those inspired by nature know ZEISS as the sports optic designed for high requirements and extreme demands.

All over the world, demanding users rely on these high performance optics. The visual experience perfected by Carl Zeiss, combined with innovative function and detailed workmanship, provides you with a valuable piece of freedom.



Evolution of the Lens

Every optical system from Carl Zeiss combines the broadest range of fascinations: the scientific performance and technological brilliance are as inspiring as the visual power they produce. Carl Zeiss has taken the calculation of lenses to perfection. With the development of new glass types and coatings, the optical systems have achieved an ever-greater resolution and luminosity. Equally, the lenses have become ever lighter and slimmer. Today, Carl Zeiss fluoride lenses – or FL for short – are at the peak of this development.

Penetrating Brilliance

For a long time, the image quality of optical units suffered from the fact that the lens only allowed part of the incidental light to reach the eye and scattered the other part back in the form of reflexes. This was the case until the 30s, when a scientist from Carl Zeiss coated the outside surface with a layer of metal fluorides. Carl Zeiss was the first optics manufacturer to coat lenses and thereby minimise scattered light and disturbing reflexes. The light transmission and twilight performance were considerably increased. ZEISS optics use the last shooting light to transmit an unrivalled, bright, clear image.



Protective Layer for Clear Vision



The task of the latest ZEISS innovation in lens coating is to protect the high image brilliance from impairment, even in extremely wet conditions. The LotuTec™ protective layer has the same effect on objective and eyepiece lenses as a lotus leaf. It allows water to drip off the lens, leaving no residue and enabling easy cleaning. This means that the accustomed visual experience from ZEISS is independent of the weather.



Sustained Values

Resistant Companions

In hunting and outdoor use, rough handling of the optical unit must always be expected. The optical system of the riflescope must be resistant to extreme shaking with every shot. ZEISS lens systems are designed for this strenuous use. The same applies for the stable body and non-sensitive surfaces. Nearly every unit in the new generation is filled with nitrogen and is therefore free of fogging. ZEISS riflescopes, binoculars and spotting scopes are highly rated for their long life and performance durability, especially amongst particularly active users.

Skilled Precision and Optical Harmony

It is the emotional factors which make it clear that the value of ZEISS optics extends far beyond the technical data. Being outside with ZEISS allows you to enjoy visible and tangible comfort: perfected ergonomics, consistent elegance and comfortable haptics. Wherever secure hand contact is required, the surfaces are especially easy to grip. In the agile, high precision function of the operating elements, you can feel the careful, first class workmanship. A huge proportion of the final assembly is completed by hand.





The motivation to hunt – to feel nature and its laws close up – is deeply entrenched in human nature. However, hunting is more than an experience of nature. It is a concrete mission, which requires first class training and equipment.

Hunting gives people the opportunity to integrate with the sustained interaction of nature, to intervene in a deliberate and targeted manner. It is a symbiosis of passion and precision.

Eyewitnesses

This means looking deep into the habitat of game, assessing stocks, using observations to gain knowledge of their habits, responding with certainty to every sighting and aiming every shot with the highest degree of both concentration and safety. Even flexibility and manoeuvrability and a lack of dependence on light and weather conditions are decisive for success.

ZEISS hunting optics are consistently aligned to current requirements and hunting areas. Every product combines pioneering developments to form a compact, robust unit. With riflescopes, the flexible and elegant combination with the weapon forms a harmonious, handy unit. Here, optical strength is combined with shooting performance with high precision.

A hunter who chooses the ZEISS brand will immediately feel how the field of action for hunting expands and how visions become achievable – even beyond the boundaries of the area.



ZEISS Riflescopes

Victory – Uncompromising top quality.

Varipoint riflescopes with illuminated reticles suitable for day and night use, Diavari with illuminated or standard reticlesuitable for twilight hours and Diarange with an integrated laser range finder.

Classic – Quality riflescopes in proven ZEISS technology.

Pages 8 - 25

to the Wild

ZEISS Binoculars

Victory – High performance optics, which set standards, sit particularly well in the hand and are comfortable to carry. Fitted with light-sensitive FL lenses. Victory binoculars are also available in a compact model (without FL glasses).

Conquest – High quality standard, ZEISS value retention and optical performance in a robust binocular body.

Pages 26 - 41



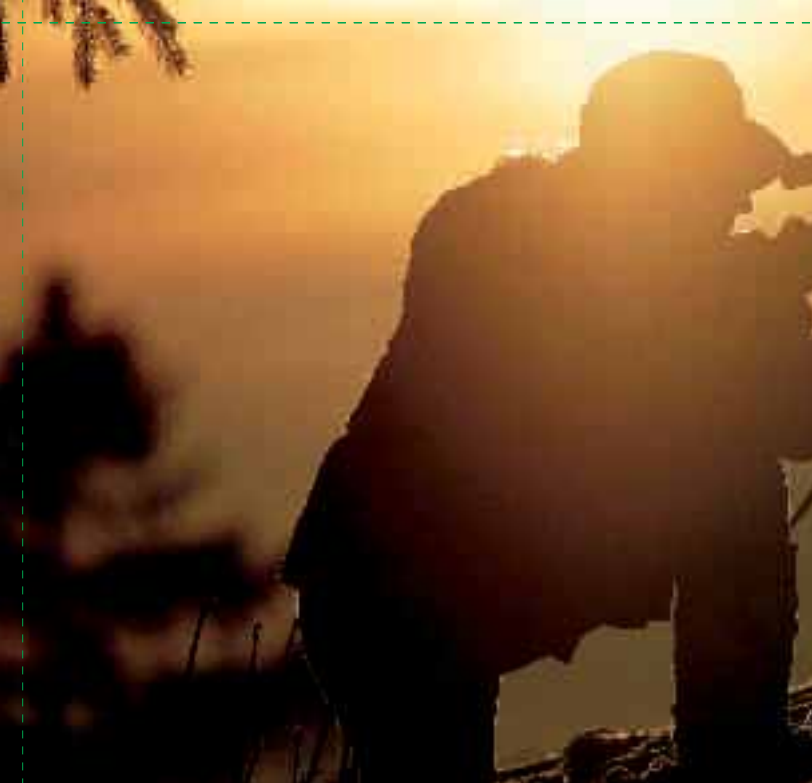
ZEISS Spotting Scopes

Victory Diascope – long-range top class technology from Carl Zeiss, which transmits brilliant images at high magnification.

Camera Eyepiece DC4 – Keep the fascination: first class digital photography with the Diascope. Quick camera adapter – the straightforward connection from the Diascope to the digital camera. Spotting scope accessories – tripods, astro adapters and more.

Pages 42 - 49





Target certainty at any distance and under all conditions: Carl Zeiss has fitted the riflescope with the latest solid technology and constantly developed its form and function in order to perfect successful interaction with the hunting weapon. Hunters can convert their full potential into striking performance and moving experiences.



Enlarge Expanding Horizons

ZEISS Hunting Riflescopes

Resolving Limits

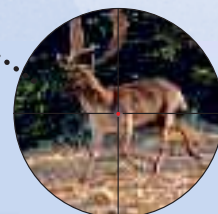
Broad, Brilliant Fields of View

The overall construction of all ZEISS riflescopes is designed to provide the hunter the largest possible field of view in every range of magnification. Sharpness and contrast are always at the resolution limit of the human eye – up to the outermost edge.

Targeted Selection

Large Model and Reticle Range

For every hunting profile, every demand and every budget, Carl Zeiss has the right riflescope in its range: over 20 models and a large selection of reticles make individual combinations possible.



Spontaneous Aiming at Great Distances

ZEISS Fast Reticle Adjustment (ASV)

With ASV, the sight line of the trajectory path is precisely aligned. It is no longer necessary to counter the bullet drop by aiming beyond the target.

Detailed Description:
Pages 22 – 23.



Solid Trust Foundation

Waterproof, High Stability Design

Its intensive use around the world provides the best proof for the robust, waterproof design of ZEISS riflescopes, even under the most inclement weather conditions and constant stress. The fatigue test, with shooting simulation up to 1500 G/1 msec, guarantees the stability of the riflescope.



Light Sensitivity and Performance

Maximum Values for Greater Independence

All lenses in the optical system of a ZEISS riflescope are coated in the complex, multi-layer T* process. This increases the light transmission, especially in the blue spectral range, and minimises the level of stray light. Transmission values for all ZEISS riflescopes are over 90 %. The hunter enjoys amazing image brightness even in the twilight and is independent of changing light conditions and unfavourable light incidence.

Flexibility & Elegance

Patented ZEISS Inner Rail

Experts consider it to be the best riflescope mounting system in the world. The hollow rail integrated into the body holds the mounting elements absolutely secure against recoiling. Removal, adaptation and replacement of the target optics is easy and unproblematic. Even the positioning of the riflescope on the weapon is flexible. The weapon and optics are firmly connected and merge into a harmonious appearance.



Uncompromising top class optics: Victory typically stands for the expansion of hunting perspectives through optical high performance. Fascinating image brilliance and brightness extend into a broad, high-resolution field of view before the hunter's eyes.

Even under extreme conditions, the visibility remains excellent. Thanks to easy-grip, well thought out operating elements, handling is extremely safe and comfortable. On every shoot, the hunter can feel the high precision technology in the compact, highly sturdy tube body.

Victory



The Full Spectrum of Perfection

Powerful Optics in a Compact Body

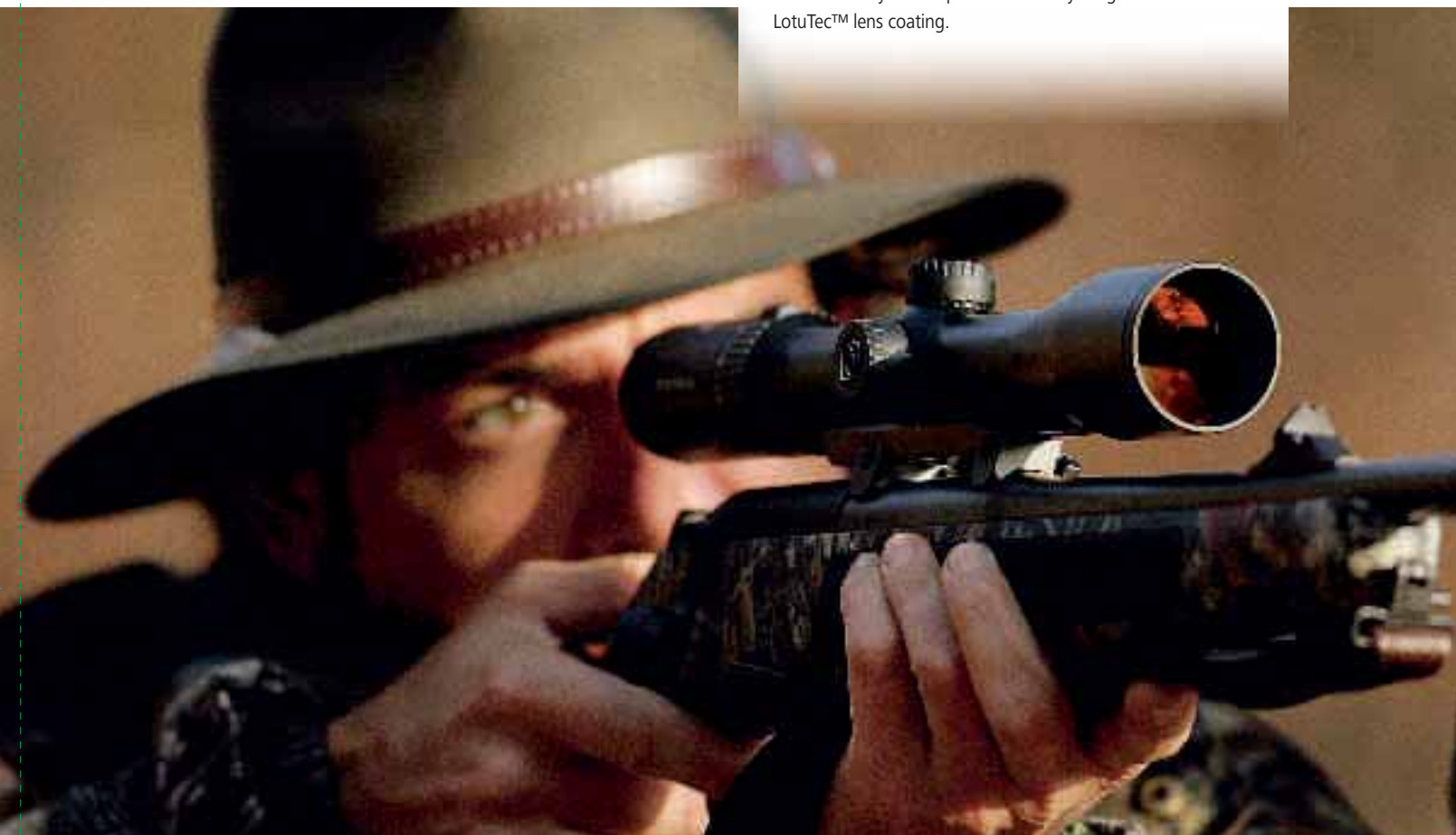
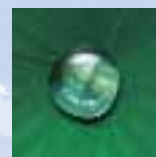
Advanced Optics System

A joint achievement by Carl Zeiss and Schott Glas AG. With progressive, especially light and thin lenses, the efficient optics design is entering an alliance for top optical performance, which allows a highly compact, light design.

Protective Layer for Clear Vision

LotuTec™ Lens Coating

The latest advancement in lens protection is a guarantee of good vision even in the rain, as the LotuTec™ coating causes water to immediately drip off the lens without a trace. The LotuTec™ principle is an imitation of the lotus leaf effect. Dirt such as oil, grime and fingerprints can be removed quickly and free of streaks. The lens is resistant and particularly easy to clean. Every riflescope in the Victory range comes with the LotuTec™ lens coating.





In quick shooting on the move, the firing position is often not optimum. The high distance to the eye is an important safety factor.

Red String for Aiming

The Illuminated Reticle

Its development was a great step for hunting optics. The illuminated reticle promotes safe, ethical shooting under poor light conditions and over great distances or at moving game. Carl Zeiss was the forerunner in the integration of an illuminated dot sight in variable high performance riflescopes. This idea has been perfected in the Victory Varipoint range.

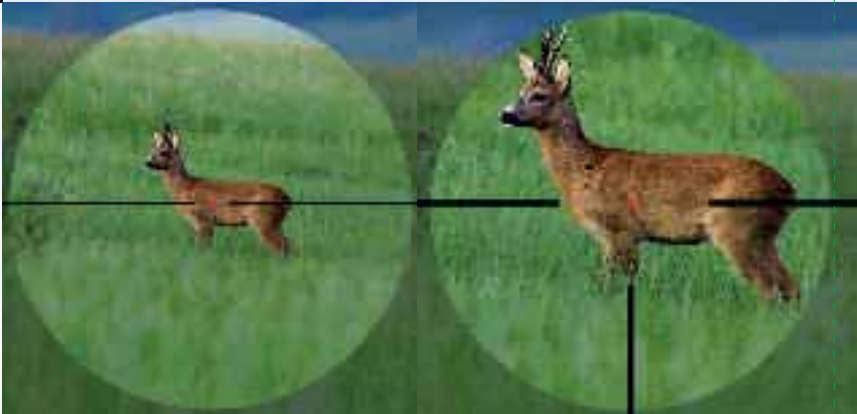
The combined switch and control knob for the illumination is located on the left hand side of the centre tube. The innovative illumination control of the Varipoint models automatically adapts the light intensity of the red dot to the prevailing lighting conditions and to the surroundings – for example on reflecting snow or dark thicket. The illuminated dot is in the 2nd image plane and remains constant with changing magnification. Its luminosity is individually adjustable. With no illumination, the dot appears black.



Safety Plus

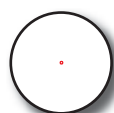
Large Eye Relief

The eye relief with Victory riflescopes is 90 mm – particularly ideal for shooting with heavy calibres and at quick game.

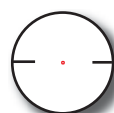


The illuminated dot with short distances and lower magnification: prominent and easily visible (Fig. left).

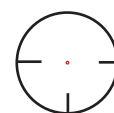
The illuminated dot with greater magnification: The target cover is minimal (Fig. right).



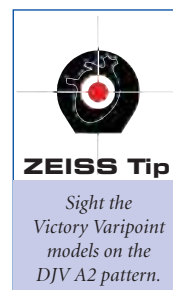
Reticle 0 illuminated



Reticle 54 illuminated



Reticle 56 illuminated



Precise Range Finding

The ZEISS Victory Diarange

Elegantly linked: The performance of the Victory range with the function of a perfected range finding device. The ideal choice for hunters who hunt at different and frequently changing distances (pages 14 –15).

The **Victory** Range

Victory Varipoint

High performance optics with illumination control for the perfect shot at any time of the day or night. The reticle in the 1st image plane is magnified and the light reticle in the 2nd image plane remains constant when the magnification is changed. All Varipoint models are available either with or without rail.



1.1-4x24T*

Extremely light and easy to handle for full driven hunting dynamics. Almost no other driven hunting riflescopes offer such a large field of view: 36 m to 100 m.

Illuminated Reticle: 0



1.5-6x42T*

The multi-talent for stalking, still hunting and driven hunting – with amazing light reserves for twilight. 7 mm exit pupil at the greatest magnification.

Illuminated Reticle: 0, 54, 56



2.5-10x42T*

The perfect stalking optics: light, slim and versatile. Helps in saving weight, especially for hunting in steep, difficult terrain or on long approach routes.

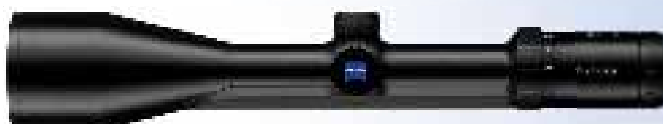
Illuminated Reticle: 0, 54, 56



2.5-10x50T*

This light-sensitive all-rounder combines all the capabilities that are important for driven hunting and twilight stalking.

Illuminated Reticle: 0, 54, 56



3-12x56T*

Provides the decisive “extra” in terms of light – even for sitting game at night. The red illuminated dot can be finely dimmed and is as convincing in bright sunlight as in the twilight.

Illuminated Reticle: 0, 54, 56

*The dot size over 100 m is based on:
”22 cm divided by magnification“.*

*Example: At 3x magnification,
the dot diameter is approximately 7.3 cm over 100 m.*

Dot Coverage of all Varipoint Models

Dot Coverage	Point	25 m	50 m	100 m	200 m
Magnification	1.1	5.0 cm	10.0 cm	20.0 cm	40.0 cm
Magnification	1.5	3.7 cm	7.4 cm	14.7 cm	29.4 cm
Magnification	2.0	2.8 cm	5.5 cm	11.0 cm	22.0 cm
Magnification	3.0	1.8 cm	3.7 cm	7.3 cm	14.7 cm
Magnification	4.0	1.4 cm	2.8 cm	5.5 cm	11.0 cm
Magnification	5.0	1.1 cm	2.2 cm	4.4 cm	8.8 cm
Magnification	6.0	0.9 cm	1.8 cm	3.7 cm	7.4 cm
Magnification	10.0	0.55 cm	1.1 cm	2.2 cm	4.4 cm
Magnification	12.0	0.45 cm	0.9 cm	1.8 cm	3.6 cm

Victory Diavari

First Class Optical Performance with Standard Reticle or Twilight Compliant Illuminated Reticle.

All Victory riflescopes are available with ASV, pages 22-23.
Information on regular fast reticle adjustment feature on page 21.
Images of all reticles on page 20.
Technical specifications on pages 24 – 25.



1.5-6x42T*

The deep mounting option looks after the compact weapon and optics unit. Ideal for drop-barrel weapons. Light, easy to handle and farsighted: the field of view from 24 m to 100 m is one of the largest in this class.

Reticles: 4, 8

Reticles in the 1st image plane. Available with or without rail.



2.5-10x42T*

The elegant, compact perfection of light, easy to handle, drop-barrel weapons. Ensures brilliant sights for stalking and mountain hunting.

Reticles: 4, 8, 42

Reticles in the 1st image plane. Available with or without rail



2.5-10x50T*

The service package with 50 mm lens diameter provides a sensational field of view: 14.5 m to 100 m. With a bright picture, it is convincing even in the twilight.

Reticles: 4, 8, 42 Illuminated reticles: 40, 44, 60, 66

Reticles in the 1st image plane. Available with or without rail



3-12x56T*

The number one in its class: extremely compact and light, it guarantees high performance even into deep twilight.

Reticles: 4, 8, 43 Illuminated reticles: 40, 43, 44, 60, 66

Reticles in the 1st image plane. Available with or without rail.



6-24x56T*

Sports model with far reaching capabilities. Outstanding performance due to parallax compensation – even at maximum magnification.

Reticles: 4, 43 Illuminated reticles: 40, 43, 63

Reticle and illuminated dot in the 2nd image plane.

Available without rail.



6-24x72T*

Particularly high performance and intense telescopic riflescope. Oversized exit pupil for lightning fast aiming, even at high magnifications and sitting game at night.

Illuminated reticles: 40, 43, 63

Reticle and illuminated dot in the 2nd image plane.

Available without rail..

Victory Diarange

Measuring, aiming, gaining precision

The Victory Diarange combines the performance features of a top class ZEISS riflescope with the perfected technology of a laser range finder. Sighting, measuring and aiming become one process.

Intuitive Operating

The fittings of the Victory Diarange are limited to a few conveniently positioned elements that are operated in the aiming position. The illumination strength of the reticle and the range display can be finely regulated in one process. The last adjustment before switching off is saved.

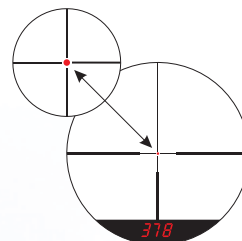
New for 2007:

Victory Diarange M 2.5–10 x 50 T*

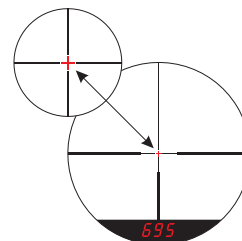
With this innovation, the multifunction sighting optics from Carl Zeiss qualify for mountain hunting and for physically demanding areas: the Diarange 2.5–10x50T* weighs only 925 grams (without batteries) and is particularly compact.

Victory Diarange M 3–12 x 56 T*

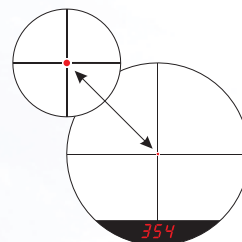
The particularly lightweight and high performance Diarange model transmits light, detailed and high-contrast images right into the twilight, when timid game becomes active.



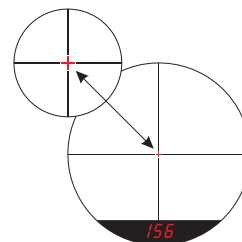
Reticle 60



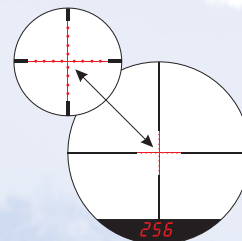
Reticle 66



Reticle 70



Reticle 77



Reticle 43

Minimum Target Cover

The reticle is in the 2nd image level and remains constant when the magnification changes.

Clear Range Display

Light diodes display the measurement result for 3 seconds.



Compact Multi-Talent



Technical Specifications

Riflescope Technical Specifications	New: Victory Diarange M 2.5–10x50T*	Victory Diarange M 3–12x56T*
Magnification	2.5–10x	3–12x
Effective Lens Diameter	37.7–50 mm	44–56 mm
Exit Pupil Diameter	15–5 mm	14.7–4.7 mm
Twilight Factor	7.1–22.4	8.5–25.9
Field of View at 100 m	14.5–4 m	12.5–3.5 m
Objective Viewing Angle	20.4–5.9°	13.7–4°
Diopter Adjustment Range	+2/–4 dpt	+2/–4 dpt
Eye Relief	90 mm	90 mm
Parallax-Free	100 m	100 m
Square Adjustment Range	180, 140 cm	140, 100 cm
Adjustment Per Click at 100 m	1 cm	1 cm
Objective Tube Diameter	56.5 mm	62.5 mm
Eyepiece Tube Diameter	45 mm	45 mm
LotuTec™	Yes	Yes
Nitrogen Filling	Yes	Yes
Water Resistance	400 mbar	400 mbar
Functional Temperature Range	–25/+50 °C	–25/+50 °C
Length	335 mm	360 mm
Weight Without Batteries	925 g	995 g
Order Number	52 17 84	52 17 94

T* = ZEISS multi-coating

Laser Range Finder Technical Specifications (for both Diarange models)	
Class, Shaft Length	Class 1, 904 nm
Measuring Range	10–999* m
Measuring Accuracy	±1m/±0.5% </>600m
Measuring Duration	0.5 sec
Period Following Measurement	3 sec
Display Duration	3 sec
Functional Temperature Range	–25/+50 °C
Battery	1 x 3 V CR 123A (CR 17345)
Battery Life at 20°C to 25°C	> 5000 Measurements
Battery Life at -25°C	> 700 Measurements
Accessories	Remote Cable Trigger 52 91 91

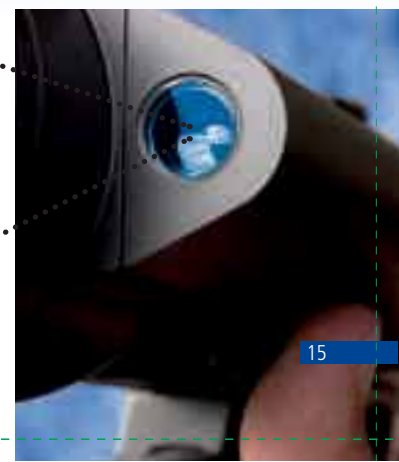
* The range is affected by the size and degree of reflection of the object and by the weather conditions.

Measuring Range

10 to max. 999 metres.

High Measuring Accuracy

Low deviations of max. 1 m at distances up to 600 m.



Sturdy construction, brilliant optics, long service life – for over a quarter of a century, the classic range from ZEISS has stood for reliable performance on shoots. Its technology and design have been continually adapted to the latest developments.

Due to the strong international distribution and the perfectly co-ordinated series production, the classic range stands for an excellent price-performance ratio. The final assembly of the classic riflescopes is carried out in careful handwork at the Carl Zeiss factory in Wetzlar.

Classic



Experienced Masters of Hunting Vision

Light Sensitivity

T* Multi-Coating

Every ZEISS classic riflescope provides a transmission value of approx. 90 %.

Value Retention

Highest ZEISS Quality Standard

As a result of the robust construction and the tough surfaces, the classic riflescope is qualified for continuous, intensive use. It is filled with nitrogen, 100 % waterproof and completely free of fogging internally.

Sports Design

Light and Compact

Without the rail, the shortest classic riflescope weighs just 420 grams and is only 296 mm long.

Large Selection

Variable and Fixed Magnification Models

The Classic Diavari range covers all current magnification ranges. Hunters who like to select a fixed magnification have a choice of three proven models in the Dialal series.



The **Classic** Range



All classic riflescopes are available with ASV, pages 22-23.
Information on regular fast reticle adjustment feature, page 21.
Images of all reticles, page 20.
Technical specifications, pages 24/25.



Classic Diavari

Proven Riflescope Technology with Variable Magnification. Two Models are Available with Illuminated Reticles for Twilight.

Classic Diavari 1.1-4x24T*

Ultra-compact model for driven and dangerous game hunting.
Reticles: 4, 8 – in the 2nd image plane. Available with or without rail.

Classic Diavari 1.5-6x42T*

The easy to handle all-rounder covers the most common distance range on driven hunts. A reliable companion when stalking.
Reticles: 4, 8 – in the 1st image plane. Available with or without rail.

Classic Diavari 2.5-10x50T*

Universal glass with light reserves. Due to the sensationally light design, an easy to handle companion when stalking and sitting game.
*Reticles: 4, 8, 42 Illuminated reticles: 40, 44, 60, 66
Reticles in the 1st image plane. Available with or without rail.*

Classic Diavari 3-12x56T*

No challenge is too great – the top model provides brilliant images for any hunting pursuit even when the last light is fading.
*Reticles: 4, 8 Illuminated reticles: 40, 44, 60, 66
Reticles in the 1st image plane. Available with or without rail.*

Classic Diatal

Fixed Magnification Riflescopes for the Widest Range of Requirements. The Design with Illuminated Reticle is Ideal for Hunting in the Twilight.

Classic Diatal 6x42T*

Dynamic, lightweight with fixed 6-times magnification. The perfect addition to easy to handle, elegant drop-barrel weapons or light repeater rifles.
Reticles: 4, 8. Available with or without rail.

Classic Diatal 7x50T*

Unbeatable in its class. The versatile, fixed magnification riflescope with illuminated reticles is the high performance standard optic for stalking and sitting game.
Illuminated reticles: 40, 44, 60, 66. Available with or without rail.

Classic Diatal 8x56T*

Top optics for day and night use. This classic is convincing for its maximum performance at minimum weight. Particularly popular on weapons in "fox hunting calibres".
Reticles: 4, 8. Available with or without rail.



Together with Carl Zeiss Sports Optics, the German Shooting Confederation (Deutsche Schützenbund) introduced a new, target interest discipline to all KK marksmen in 2006: "KK 50 m Carl Zeiss riflescope". Instead of the diopter, the Classic Diasport riflescope is used, on which every detail is tailor-made for the new challenge.

Classic Diasport

2.5-10x42T* - New Impulses in Sport

For active marksmen in the younger generations, the new riflescope discipline is an exciting extension to their repertoire. Despite the changes in three-dimensional vision, the seniors are also able to remain active and successful in this. The comprehensive magnification range allows adjustment to the individual training level.

The Classic Diasport riflescope is fitted with variable 2.5 – 10x magnification and a 42 mm lens diameter. The special reticle developed by Carl Zeiss is adjusted to the diopter, so the marksman can convert the practised sighting procedure into shooting successes with no change. The performance range of this compact lightweight is rounded off by the high precision reticle adjustment of 2 mm per click to 50 m.

On the eyepiece, the individual vision defects can be corrected in a range of +2 and – 4 diopters. As such, the Classic Diasport allows sighting without glasses. The ring mounting for the 11 mm prism rail attached to the weapon is available from dealers.

Subject to modifications in the design and scope of delivery, for the purposes of technical development.



Classic Diasport
2.5-10x42T*

	2.5-10x42T*
Magnification	2.5-10 x
Effective Lens Diameter	42 mm
Field of View at 50 m	5.7-1,4 m
Diopter Compensation	+2/-4 dpt
Parallax-Free	50 m
Point of Impact Correction per Click	2 mm/50 m
Square Adjustment Path	65 cm/50 m
Centre Tube Diameter	30 mm
Objective Tube Diameter	48 mm
Eyepiece Diameter	40 mm
Length	320 mm
Weight	460 g
Order Number	52 13 71

T* = ZEISS Multi-Coating



Sighting with the diopter through special circular reticle 67.

Z-Point

Aim Dynamics in a Nutshell

Spontaneous, lightning speed sighting of game in motion – with a great deal of driven hunting experience, the marksman learns precise control of his reflexes. In this, the correct sighting procedure is the best contributor to succesful shots in quick succession.

The reflex sight from Carl Zeiss is fitted with innovative optics and electronics. The illuminated function is powered from two sources: by the solar cell in daylight, then by the battery. This ZEISS patent extends the service life of the battery by many hours. The light intensity of the red dot automatically adapts to the brightness of the surroundings and can also be regulated manually.



Z-Point Reflex Sight

Magnification	1 x
Dot Size	10 cm at 100 mm distance
Adjustment Range	± 2 m at 100 m, square: ± 1.4 m at 100 m
Energy Supply	Solar cells; 3 V lithium button cell CR 2032
Dimensions	Height: 44.5 mm, width: 36 mm, Length: 63.5 mm
Weight	160 g without batteries
Order No. Options	52 16 98-9901 (Picatinny-rail) 52 16 98-9902 (weaver-rail)
Order No. Accessories	52 16 98-0151 (protective cover)



Usable in rifles, shotguns, hand guns, small arms, CO₂ and air rifles.

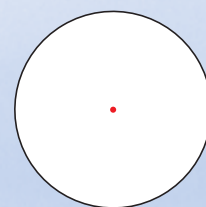
Practical protective cover for transportation.

Rapid Aiming

The luminosity of the red dot automatically adapts to the lighting conditions and is therefore always optimum. Even with angled viewing, the brightness and conciseness of the dot remain constant.

High Performance Technology

The hybrid energy supply comes from a solar or button cell (CR 2032), depending on lighting conditions. Digital function control via computer chip. Automatic switch-off function after four hours.



Z-Point Illuminated Reticle

Split Second Mounting

Spring clamp for weaver-rail or Picatinny-rail.

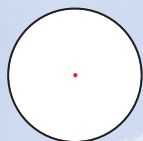
Robust, Compact Design

The Z-Point is waterproof, recoil-proof and resistant to impacts and vibrations. Compact dimensions (HxWxD): 44.5 mm x 36 mm x 63.5 mm. Weight: only 160 g.

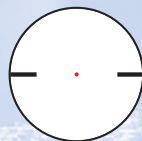
Hitting Accurately

Illuminated Reticles for Daytime and Twilight

For riflescopes from the Victory Varipoint range



Reticle 0



Reticle 54
Magnification 6 x



Reticle 56
Magnification 6 x

Reticles

For Victory Diavari and Classic Diavari/Diatl models



Reticle 4



Reticle 8



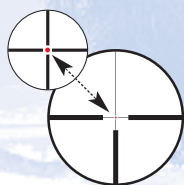
Reticle 42



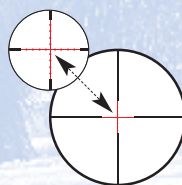
Reticle 43

Illuminated Reticles for the Twilight

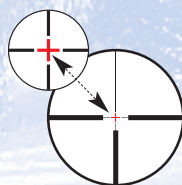
For Victory Diavari and Classic Diavari/Diatl models



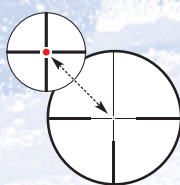
Reticle 40



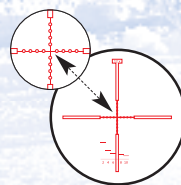
Reticle 43



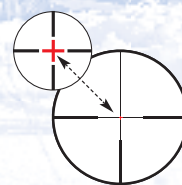
Reticle 44



Reticle 60



Reticle 63



Reticle 66

Summary

Selectable Reticles by Model

			No Illumination				With Illumination								
Victory	Image Plane		4	8	42	43	0	40	43	44	54	56	60	63	66
Varipoint	1.1-4x24T*	1 (+2)					●*								
Varipoint	1.5-6x42T*	1 (+2)					●*				●*	●*			
Varipoint	2.5-10x42T*	1 (+2)					●*				●*	●*			
Varipoint	2.5-10x50T*	1 (+2)					●*				●*	●*			
Varipoint	3-12x56T*	1 (+2)					●*				●*	●*			
Diavari	1.5-6x42T*	1	●	●											
Diavari	2.5-10x42T*	1	●	●	●										
Diavari	2.5-10x50T*	1	●	●	●			●		●			●		●
Diavari	3-12x56T*	1	●	●		●		●	●	●			●		●
Diavari	6-24x56T*	2	●			●		●	●					●	
Diavari	6-24x72T*	2						●	●					●	
Classic															
Diavari	1.1-4x24T*	2	●	●											
Diavari	1.5-6x42T*	1	●	●											
Diavari	2.5-10x50T*	1	●	●	●			●		●			●		●
Diavari	3-12x56T*	1	●	●				●		●			●		●
Diatl	6x42T*	2	●	●											
Diatl	7x50T*	2						●		●			●		●

* Illuminated reticles for daytime and

Sighting-In

Reticle Adjustment on Victory and Classic Riflescopes

With the sophisticated reticle adjustment, Carl Zeiss provides the hunter with the best tools for the accurate sighting-in of the respective cartridge load. Every adjustment can be zeroed and is thereby easy to retrieve.

The reticle adjustment unit is completely waterproof, even when the protective cap has been removed.

Sighting-In

When sighting-in, adopt a stable, safe and relaxed sitting position. The gun rests on benchrest supports or sandbags. Its position should be affected as little as possible by body contact with the marksman.

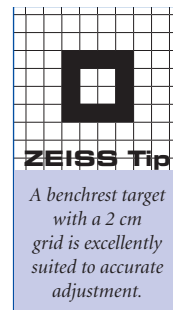
Deliver at least 3 shots to your benchrest target and correct according to the hit pattern image: at a distance of 100 metres, correct by moving the grid up and down or right and left at 1 cm per click.

All qualified ZEISS dealers offer a comprehensive sighting-in service.

Accurate Click Mechanism

1 click \triangleq 1 cm at 100 m

Retrofit Capability: older Victory models can be retrofitted with the current adjustment unit in the ZEISS factory.



ZEISS ASV

Fast Reticle Adjustment Feature

The introduction of the ZEISS fast reticle adjustment feature in 1987 made the targeting practice of many hunters much easier. They were finally able to always be on target, even at long distances, as the manual turn compensates for the bullet drop with the ASV. In 2007, the ASV was optimised again. A lock prevents accidental adjustment! The adjustment ring can now be labeled with various films, which are matched to different loads. More detailed information can be found on the pages below.



Shooting over a long distance poses a particular challenge, even for experienced hunters. The rifle is sighted-in at a 100 m target. However, if the target is 200, 300 or even 400 metres away, the marksman has to aim beyond the target in order to compensate for the bullet drop.

To do this, he has to depend on experience. The accurate and reliable aid is the fast reticle adjustment feature from ZEISS. By lifting and turning to the appropriate scale value, the marksman can sight the target exactly.

Aiming Safely over Long Distances

The New ZEISS Fast Reticle Adjustment Feature



300 m shot without fast reticle adjustment feature



300 m shot with fast reticle adjustment feature

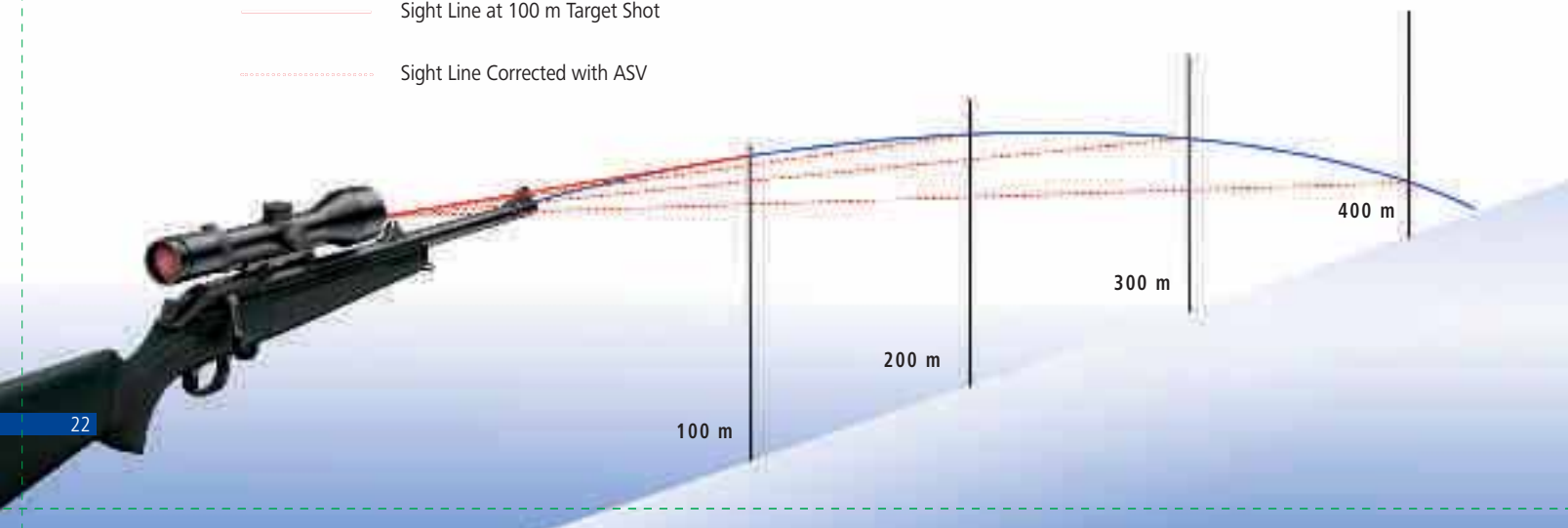
Safe Handling

Operating Ring Lock Function

The twist button is raised out of its lock, adjusted to the distance determined and relocked. It is not possible to adjust it accidentally.

Compensation for the Trajectory Path by the ASV

- Trajectory Path
- Sight Line at 100 m Target Shot
- Sight Line Corrected with ASV



Individual Scaling

Use of Sticking Films

The engraved scaling of the twist button is subdivided into 65 clicks. 1 click corresponds to 1 cm over 100 m. Every tenth dash is marked with a number from 10 to 60.

Every ASV is supplied with a set of 2 x 5 sticking films. The gunsmith can stick the films on the ASV twist button, according to the ammunition selected. The reticle corrections are thus carried out with no table, by means of linear scaling. The films are scaled differently and cover almost all calibres.

The Right Film

Selection Tips

The requirement for selection of the appropriate film is the ballistic data of the loads used, up to 300 or 400 metres. In accordance with this, the films with the closest values to the ballistics are selected from the table below. If the ballistic values relevant for a 100 metre target shot are known, then the required ring can be determined directly from the table.

Your ZEISS dealer will provide comprehensive advice on the correct film and undertake the precise mounting. If you wish to retrofit a riflescope with the ASV, please send it to Carl Zeiss through your dealer.

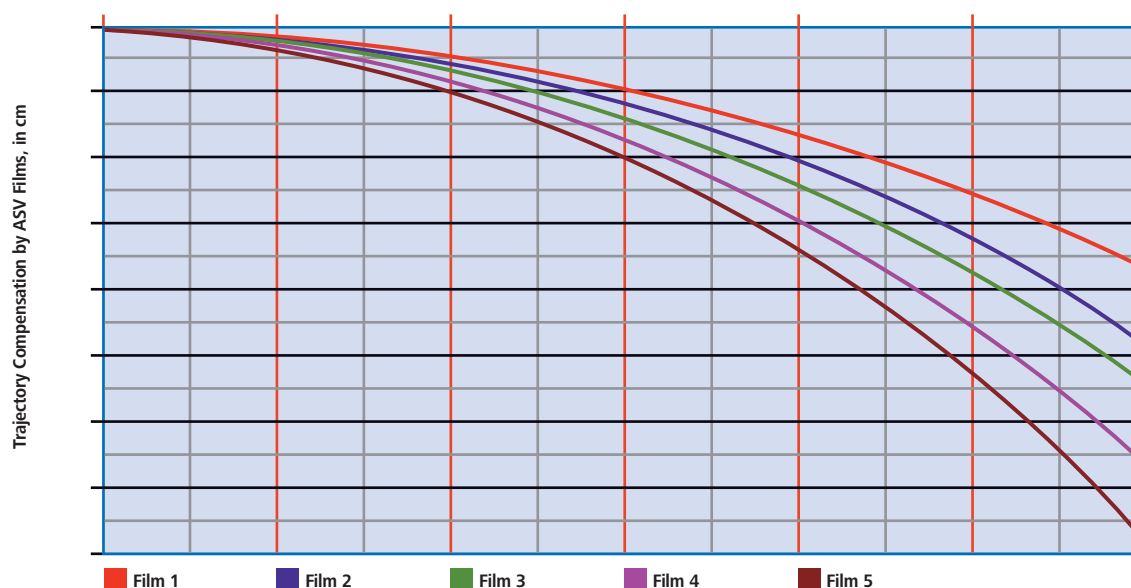


Retrofitting

All riflescopes from the Victory and Classic ranges can be retrofitted with the ASV in the ZEISS factory. The following riflescopes are the exceptions and cannot be retrofitted: Victory Diavari 6 – 24 x 56 T* and 6 – 24 x 72 T*.


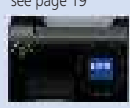



With every riflescope with ASV, Carl Zeiss supplies two lots of five films. These are subdivided from 100 to 300 metres in 50 metre stages and from 300 to 400 metres in 25 Metre stages.

ASV Film	Distance in m	100	150	200	250	300	325	350	375	400
1	Number of Clicks	0	1	4	7	10	12	14	16	18
	Correction in cm	⊕	1.5	8	17.5	30	39	49	60	72
2	Number of Clicks	0	2	5	9	13	16	18	21	24
	Correction in cm	⊕	3	10	22.5	39	52	63	78.75	96
3	Number of Clicks	0	3	6	11	16	18	21	24	27
	Correction in cm	⊕	4.5	12	27.5	48	58.5	73.5	90	108
4	Number of Clicks	0	3	8	13	19	23	26	29	33
	Correction in cm	⊕	4.5	16	32.5	57	74.75	91	108.75	132
5	Number of Clicks	0	4	9	15	22	27	30	34	39
	Correction in cm	⊕	6	18	37.5	66	87.75	105	127.5	156













The ZEISS Riflescope Range at a Glance.

Victory Series

		Varipoint										Victory Series					
		1.1–4x24T*		1.5–6x42T*		2.5–10x42T*		2.5–10x50T*		3–12x56T*		1.5–6x42T*		2.5–10x42T*		2.5–10x50T*	
Magnification		1.1 x	4 x	1.5 x	6 x	2.5 x	10 x	2.5 x	10 x	3 x	12 x	1.5 x	6 x	2.5 x	10 x	2.5 x	10 x
Effective Lens Diameter		16.3 mm	24.0 mm	22.6 mm	42.0 mm	37.3 mm	42.0 mm	37.7 mm	50.0 mm	44.0 mm	56.0 mm	22.6 mm	42.0 mm	37.3 mm	42.0 mm	37.7 mm	50.0 mm
Exit Pupil Diameter		14.8 mm	6.0 mm	15.0 mm	7.0 mm	15.0 mm	4.2 mm	15.0 mm	5.0 mm	14.7 mm	4.7 mm	15.0 mm	7.0 mm	15.0 mm	4.2 mm	15.0 mm	5.0 mm
Twilight Factors		3.1	9.8	4.2	15.9	7.1	20.5	7.1	22.4	8.5	25.9	4.2	15.9	7.1	20.5	7.1	22.4
Field of View at 100 m		36.0 m	10.3 m	24.0 m	6.9 m	14.5 m	4.0 m	14.5 m	4.0 m	12.5 m	3.5 m	24.0 m	6.9 m	14.5 m	4.0 m	14.5 m	4.0 m
Objective Viewing Angle		20.4°	5.9°	13.7°	4°	8.3°	2.3°	8.3°	2.3°	7.2°	2°	13.7°	4°	8.3°	2.3°	8.3°	2.3°
Dioptr Adjustment Range		+2/–4 dpt		+2/–4 dpt		+2/–4 dpt		+2/–4 dpt		+2/–4 dpt		+2/–3 dpt		+2/–3 dpt		+2/–3 dpt	
Eye Relief		90 mm		90 mm		90 mm		90 mm		90 mm		90 mm		90 mm		90 mm	
Parallax-Free		100 m		100 m		100 m		100 m		100 m		100 m		100 m		100 m	
Square Adjustment Range at 100 m		326° cm		204° cm		122° cm		122° cm		102° cm		204° cm		122° cm		122° cm	
Adjustment per Click at 100 m		1 cm		1 cm		1 cm		1 cm		1 cm		1 cm		1 cm		1 cm	
Centre Tube Diameter		30 mm		30 mm		30 mm		30 mm		30 mm		30 mm		30 mm		30 mm	
Eye Piece Tube Diameter		40 mm		40 mm		40 mm		40 mm		40 mm		40 mm		40 mm		40 mm	
Objective Tube Diameter		30 mm		48 mm		48 mm		56 mm		62 mm		48 mm		48 mm		56 mm	
LotuTec™		yes		yes		yes		yes		yes		yes		yes		yes	
Nitrogen Filling		yes		yes		yes		yes		yes		yes		yes		yes	
Water Resistance		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar	
Functional Temperature Range		–25/+50 °C		–25/+50 °C		–25/+50 °C		–25/+50 °C		–25/+50 °C		–25/+50 °C		–25/+50 °C		–25/+50 °C	
Length		300 mm		330 mm		330 mm		333 mm		357 mm		312 mm		312 mm		318 mm	
Weight without Illuminated Reticle	Without Inner Rail	–		–		–		–		–		440 g		440 g		460 g	
	With Inner Rail	–		–		–		–		–		467 g		465 g		494 g	
Weight with Illuminated Reticle	Without Inner Rail	450 g		525 g		525 g		545 g		605 g		–		–		488 g	
	With Inner Rail	477 g		550 g		550 g		580 g		640 g		–		–		522 g	
Order Numbers without Illuminated Reticle	Without Inner Rail	–		–		–		–		–		52 17 11		52 17 21		52 17 31	
	With Inner Rail	–		–		–		–		–		52 17 10		52 17 20		52 17 30	
Order Numbers with Illuminated Reticle	Without Inner Rail	52 17 07		52 17 17		52 17 27		52 17 37		52 17 47		–		–		52 17 35	
	With Inner Rail	52 17 06		52 17 16		52 17 26		52 17 36		52 17 46		–		–		52 17 34	
<div>Victory Diarange 3–12x56T*</div> <div>NEW: Victory Diarange 2,5–10x50T*</div> <div>Product information see pages 14–15</div> <div><div><div></div><div><div>Classic Diasport</div><div>Product information see page 18</div></div><div><div></div><div><div>Z-Point</div><div>Product information see page 19</div></div></div></div></div>																	
Page		12															

T* = ZEISS Multi-Coating · * = Centre of Range Aligned to Diameter/Rail

Classic Series																			
Diavari						Diavari								Diatat					
3-12x56T*		6-24x56T*		6-24x72T*		1.1-4x24T*		1.5-6x42T*		2.5-10x50T*		3-12x56T*		6x42T*	7x50T*	8x56T*			
3 x	12 x	6 x	24 x	6 x	24 x	1.1 x	4 x	1.5 x	6 x	2.5 x	10 x	3 x	12 x	6 x	7 x	8 x			
44.0 mm	56.0 mm	56.0 mm	56.0 mm	72.0 mm	72.0 mm	16.0 mm	24.0 mm	22.5 mm	42.0 mm	37.2 mm	50.0 mm	43.8 mm	56.0 mm	42.0 mm	50.0 mm	56.0 mm			
14.7 mm	4.7 mm	9.3 mm	2.3 mm	12.0 mm	3.0 mm	14.6 mm	6.0 mm	15.0 mm	7.0 mm	14.9 mm	5.0 mm	14.6 mm	4.7 mm	7.0 mm	7.1 mm	7.0 mm			
8.5	25.9	16.9	36.7	16.9	41.6	3.1	9.8	4.2	15.9	7.1	22.4	8.5	25.9	15.9	18.7	21.2			
12.5 m	3.5 m	6.2 m	1.7 m	6.1 m	1.7 m	34.0 m	10.0 m	22.0 m	6.7 m	13.0 m	4.0 m	11.0 m	3.4 m	7.0 m	5.8 m	5.2 m			
7.2°	2°	3.6°	1°	3.6°	1°	19.3°	5.7°	12.6°	3.8°	7.4°	2.3°	6.3°	1.9°	4.0°	3.3°	3.0°			
+2/-3 dpt		+2/-3 dpt		+2/-3 dpt		+2/-4 dpt		+2/-4 dpt		+2/-4 dpt		+2/-4 dpt		+2/-4 dpt		+2/-4 dpt			
90 mm		90 mm		90 mm		80 mm		80 mm		80 mm		80 mm		80 mm		80 mm			
100 m		50 m-∞		50 m-∞		100 m		100 m		100 m		100 m		100 m		100 m			
102* cm		160/70 cm		160/70 cm		370 cm		230 cm		140 cm		120 cm		170 cm		180 cm			
1 cm		0.5 cm		0.5 cm		1 cm		1 cm		1 cm		1 cm		1 cm		1 cm			
30 mm		30 mm		34 mm		30 mm		30 mm		30 mm		30 mm		25.4 mm		25.4 mm			
40 mm		45 mm		45 mm		41 mm		41 mm		41 mm		41 mm		41 mm		41 mm			
62 mm		62 mm		80 mm		30 mm		48 mm		56 mm		62 mm		48 mm		56 mm			
yes		yes		yes		-		-		-		-		-		-			
yes		yes		yes		yes		yes		yes		yes		yes		yes			
400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar		400 mbar			
-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C		-25/+50 °C			
344 mm		377 mm		378 mm		296 mm		326 mm		325 mm		350 mm		322 mm		325 mm			
521 g		805 g		-		420 g		480 g		510 g		560 g		420 g		-			
555 g		-		-		445 g		500 g		530 g		580 g		440 g		-			
549 g		825 g		1060 g		-		-		525 g		575 g		-		460 g			
583 g		-		-		-		-		545 g		595 g		-		480 g			
52 17 41		52 17 51		-		52 13 01		52 13 11		52 13 21		52 13 31		52 13 41		-			
52 17 40		-		-		52 13 00		52 13 10		52 13 20		52 13 30		52 13 40		-			
52 17 45		52 17 55		52 17 65		-		-		52 13 25		52 13 35		-		52 13 65			
52 17 44		-		-		-		-		52 13 24		52 13 34		-		52 13 64			
																			

13

17



Game uses its deliberate reasoning to avoid proximity to humans. Only with intelligent amplification of vision can the hunter overcome the distance without being noticed. ZEISS binoculars reach deep into the world of game. Colour intensive and ultra-sharp images unlock the secrets of the wild and open up a view of fascinating details.

Stalking with Vision

ZEISS Binoculars

Flexibility

User-Friendly, Comfortable Eyepiece

ZEISS binoculars provide outstandingly large fields of view for observers with or without glasses. The soft, comfortable eye cups can be twisted out and fixed securely. Intermediate settings lock tangibly into place. The eye cups cannot be pushed in accidentally.



Intense Visual Experiences

Uncompromising Optics

The name ZEISS stands for brilliance, colour fidelity and razor-sharpness in image results, right to the outermost edge of the field of view. The intricately finished objectives are fitted with up to five lenses. With the use of high quality glass types, which are coated in the ZEISS T* multi-coating process, binoculars from Carl Zeiss provide transmission values of over 90 %. This makes their contrast and brightness impressive, even in poor lighting conditions.

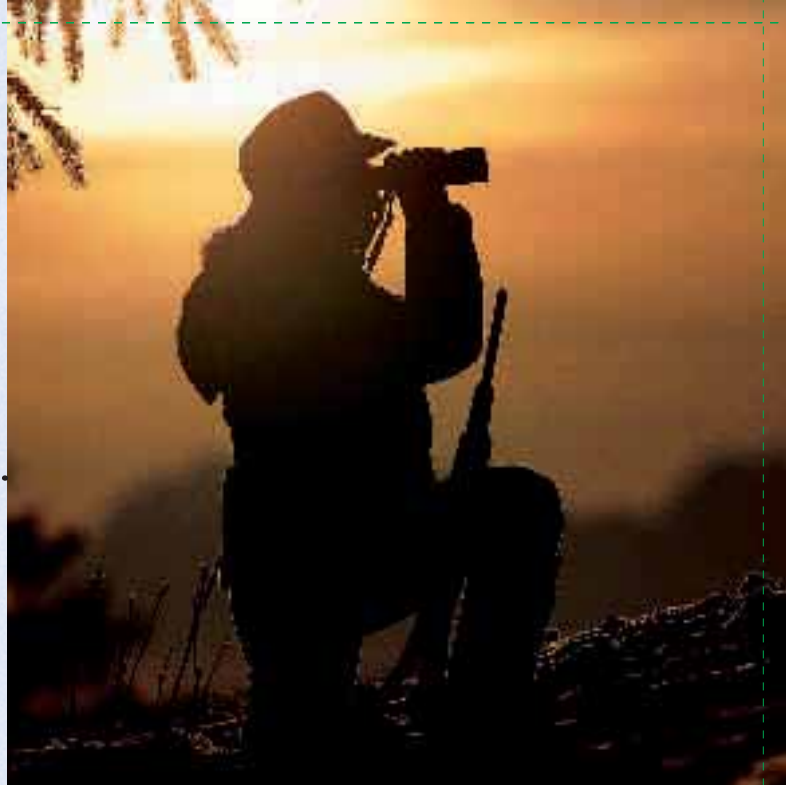


Visible Values

Highest Quality Standards in Production

.....

All processes in the production of binoculars, from manufacturing and coating the lenses through to production of the optical systems and final mounting, are carried out under the strictest surveillance in the production workshops of the Carl Zeiss group. This ensures a high level of quality, which is clearly visible and tangible in every ZEISS product.



Operating Safety

Handy Handling Elements

.....

As a result of the sophisticated ergonomics and function, focusing can be carried out particularly quickly and accurately. The body of the binoculars is perfectly balanced and allows intensive, effortless observation. The non-slip surface and concise ribs ensure optimum grip, even when wet.

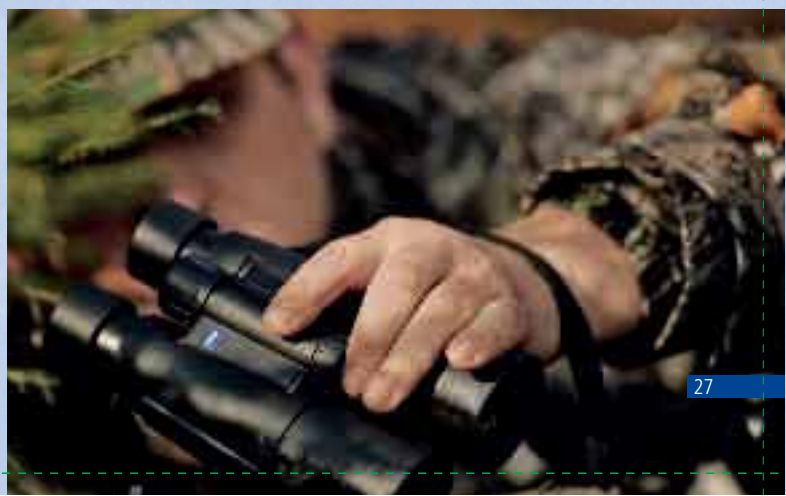


Practical Strength

Light, Robust and Waterproof Design

.....

The housing of the binoculars consists of light aluminium and reinforced, high performance polyamide with a 60s% proportion of glass fibre. With the waterproof and dustproof design and the nitrogen filling, it is designed for extreme conditions and is completely fog-free inside. The durable rubber jacketing acts as a shock and noise absorber. Soiling is easily removed.





The binoculars range from Carl Zeiss covers a wide spectrum of uses and preferences. The guide on this page should give you certainty in decision-making when selecting the appropriate type of binoculars.



Ways of Looking

Selecting the ZEISS Binoculars



Pocket Binoculars

Lens Diameter 20 – 25 mm

These are ideally used as spare binoculars for daytime stalking and can also be carried in a jacket pocket for field work, excursions in the countryside or dog training. The pocket binoculars also bring the observer closer to the action at cultural or sporting events and on tours.

Compact Binoculars

Lens Diameter 30 – 35 mm

For physically demanding hunting pursuits, when every gram of equipment counts and luggage volume is restricted. Compact binoculars are up to 300 grams lighter than all-purpose binoculars.

All-Purpose Binoculars

Lens Diameter 40 – 45 mm

For the hunter who is looking for a powerful all-rounder, all-purpose binoculars provide the perfect balance between handy design and high transmission values. They are destined for active hunting in terms of weight and size. At the same time, they provide the best conditions for observation in any light – even in twilight.



The Twilight Glass

Lens Diameter from 50 mm

The right choice for hunters who mainly stalk or sit game when it is most active – in the twilight. On long approach routes, there is a risk that the weight of this high performance optics system will be felt. However, with the use of the latest materials and innovative types of glass, the twilight glasses from ZEISS are among the lighter representatives in their class.



8x32T*



Magnification

The first, smaller figure in the model reference specifies the magnification factor. For all-purpose hunting use, a factor of 7-10x is ideal. The greater the magnification, the better suited the binoculars to detailed observation over long distances. However, with this, the image steadiness and the size of the field of view are reduced.

Lens Diameter

The second figure in the model reference specifies the lens diameter. The greater this is, the better the light sensitivity and twilight performance. Nonetheless, the overall external size and weight of the binoculars are, of course, greater with large, powerful lenses.

10x56T*



A big step in outdoor optics: in the Victory range, Carl Zeiss has successfully combined incredible light and performance reserves in a sportily designed binocular body.

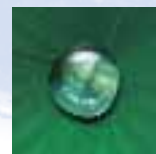
Victory binoculars unite a whole spectrum of innovations, which have created new proportions: never before has optical strength been so compact and never before has such a solid construction been so light and easy to handle.

Victory



Optical Brilliance in Top Form

Protective Layer for Clear Vision



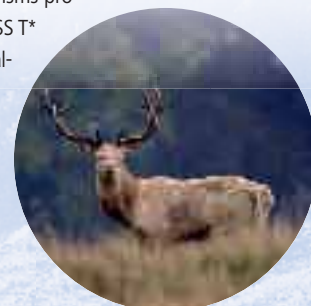
LotuTec™ Lens Coating

All Victory binoculars come with LotuTec™, with the exception of the compact models. Like the surface of the lotus leaf, the LotuTec™ coating ensures that water is repelled immediately with no residue, and that dirt, grease and fingerprints do not bond with the lens surface and can easily be wiped off with no risk of damaging the high quality lens in the process. This makes Victory binoculars with LotuTec™ extremely low-maintenance. Good vision is guaranteed, even in the rain.

High Contrast and Transmission

Multi-Coated Lenses, Effective Prisms

First class image brightness and finely distinguished details are the characteristics of visual pleasure with ZEISS Victory binoculars. These binoculars generate crystal clear perception when observing game, for example when determining the age, size and state of health – even in poor lighting conditions. Aspects such as dielectrical layers of glass on the prisms promote the perfect image quality. The ZEISS T* multi-coating increases the transmission values.





Sharp Details, Less Chromatic Aberration



FL – the Fluoride Glass

The reference "FL" in the ZEISS Victory binoculars range stands for the use of high performance fluoride glass. The secondary colour spectrum is repressed and chromatic aberrations are unnoticeable.

As such impressive detail and colour intensity are achieved. In combination with the T* multi-coating, which ensures fascinating image brightness, the result is the purest pleasure of nature.



Intensive Observation

Operating Comfort and Distinct Focusing Distance

The easy-to-operate turning eye cups lock tangibly into their individual positions. They cannot be pushed in accidentally. The focusing system with lockable diopter adjustment, the wide-angle fields of view, and the distinct focusing distance qualify the Victory for versatile, demanding observation over longer periods of time.

Comfortable Contact

Comfortable Ergonomics and Haptics

The more familiar and comfortable the use of faithful companions, the better the interaction. Carl Zeiss has fitted the Victory binoculars to the hands of hunters. The operating safety is first class, thanks to a well-balanced form and balance and sophisticated grip surfaces. In developing the surface finish, attention has been given to the sense of grip: non-slip hold at all times, comfortable temperature and tangible comfort.

High Resilience

Extremely Resistant Overall Construction

Victory binoculars are equipped for extreme stress, under all conditions. The lenses and prisms are fixed with such stability that the optical performance is unimpaired even by rough handling, shocks and vibrations. The nitrogen filling also makes Victory binoculars permanently fog-free inside. The robust rubber reinforcement has a shock and noise absorbing effect.



ZEISS FL binoculars have defined new standards in binocular lenses: light transmission values of over 90 %, close-up limits up to 2 metres and – at the heart of the high performance concept – an outstanding lens structure.

The FL lenses are captivating for their capacity to show even the finest details in sharp contrast and with no chromatic aberrations. As binoculars, Victory FL stands at the high point of an evolution and thrills even the most demanding users.

Fascination in Detail

The FL Concept



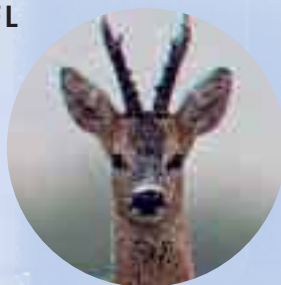
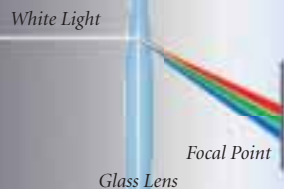
Nature in All its Glory

The Colour Intensive, Clearly Marked Visual Experience

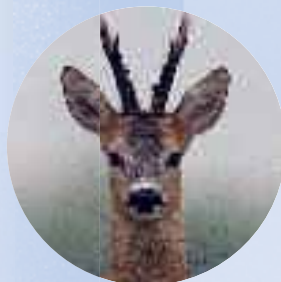
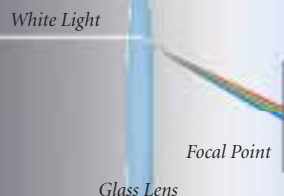
The abundance of nature in all its details and full contrast is a “ray of light” for the senses of the observer. Many standard lenses are unable to eliminate the secondary colour spectrum, which is visible in the form of chromatic aberrations. The contours “blur”, details are no longer contrasted and the colour intensity suffers. The high quality FL lenses with fluoride glass types minimise the chromatic aberration. The result is a deliberate image brilliance and richness of colour with no visible abnormalities or fuzziness.



Without FL



With FL



Equipped for Extreme Use

Lens Construction at Carl Zeiss

The significant advance in image performance relative to traditional lenses is the result of the perfect co-ordination between a wide-ranging variety of users all over the world – with the highest requirements in the broadest range of extreme situations – and the Carl Zeiss optical engineers. In order to allow the user unlimited visual pleasure from the midday sun through to the low, late evening sun, interference factors such as stray light and the tendency for reflexes have been gradually eliminated.

Above: The view through a standard lens. Chromatic aberrations reduce the sharpness and contrast.

Below: The effect of the FL glass is to minimise the extent to which the colour spectrum fans out. This produces contours that are practically free of chromatic aberration and have a high colour fidelity, which makes fine details very easily distinguishable.

The **Victory FL** Range



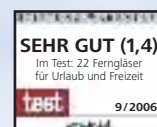
Victory 8x32T*FL and 10x32T*FL

Physically active hunters are masters at packing their high performance equipment into the tightest spaces. It is precisely this concept that is followed by the Victory FL models with 32 mm lens for daytime stalking. They put the potential of the Victory FL range into a compact format and ensure that it is always at hand and carries no weight, even on long journeys.



Victory 7x42T*FL, 8x42T*FL and 10x42T*FL

The handy all-purpose talents for stalking and sitting game, with an extremely large field of view. The 42 mm lens makes them particularly light-sensitive – even deep into twilight. The 7x and 8x magnification is ideal for normal stalking observation distances. With the 10x magnification, it is possible to respond perfectly to approaching game, from sitting, even at a great distance. The visual experience is fascinating for the richness of detail, up to close-focus at 2 metres.



Victory 8x56T*FL and 10x56T*FL

The high performance models and "light giants" of the FL class impress users with their 5-lens, high performance objectives. Deep into the night, the contrast of the images is thrilling and produces fascinating observations when the last light is fading, when timid types of game become active. The shortest close-focus is just 3 metres.

Victory FL



All ZEISS Victory binoculars are comprehensively kitted out with accessories and have the ideal equipment for intensive hunting.



Well-Equipped

ZEISS Victory FL Scope of Delivery

Cordura Pouch

As the preferred outdoor material, due to its abrasion-proof quality, Cordura protects the binoculars during transport by car, on the body, in a rucksack or in a case. The click fastener is quick and easy to operate. The padded shoulder strap is individually adjustable.

Neoprene Carrying Straps

The comfortable wide neoprene strap is non-slip and particularly easy to adjust.

Lens and Eyepiece Cover

The robust rubber covers provide effective protection of the lens from dust, wet and scratching. The protective lens cover is folded down separately for each lens. The eyepiece cover remains undetachable from the binocular strap after it is removed.

A binocular pouch, carrying strap, lens and eyepiece cover and a cloth for cleaning the lens are included with all ZEISS Victory FL binoculars.

High optical performance in pocket format. The light, user-friendly Victory Compact is ready at hand for observing close-up and distant surroundings on area tours, for game management work and for daytime stalking. The excellent equipment and performance features of the Victory range qualify the Compact as a reliable and robust hunting companion.



Experiences in your Pocket

ZEISS Victory Compact Binoculars



*Victory Compact 8x20T**



*Victory Compact
10x25T**

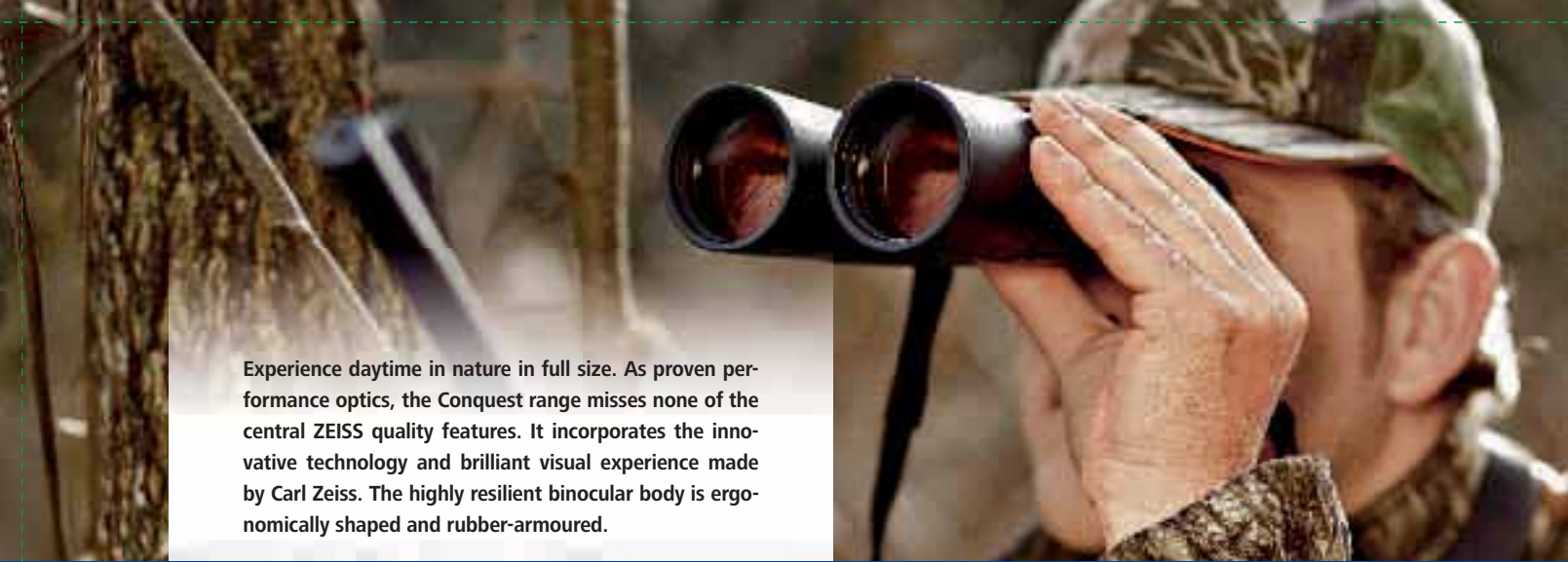
Victory Compact 8x20T* and 10x25T*

Their asymmetrical articulated joint makes Compact binoculars particularly good for saving space when folded up. As high value Victory binoculars, they stand out for their excellent image performance and are also ideal for those who wear glasses. Despite the compact size, the field of view of the binocular body is remarkably large. With the close distance of only 2.6 metres, even small objects can be observed precisely.

On walks, at events and on trips - the Victory Compact makes it possible to simply take great experiences with you!

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





Experience daytime in nature in full size. As proven performance optics, the Conquest range misses none of the central ZEISS quality features. It incorporates the innovative technology and brilliant visual experience made by Carl Zeiss. The highly resilient binocular body is ergonomically shaped and rubber-armoured.

Conquest

Originals for Passionate Observation



*Image: Conquest 8x50 T**

Leading Design

Light, Handy and User-Friendly

Conquest binoculars sit excellently in the hand, they are light and compact in design and fitted with comfortable operating elements.

Usage Range

Large Selection of Models

The Conquest range offers a large selection of models, which are designed for the widest variety of usage profiles. From pocket binoculars for all-purpose outdoor use through to the twilight glass, Carl Zeiss covers the whole power spectrum.

Brightness and Contrast

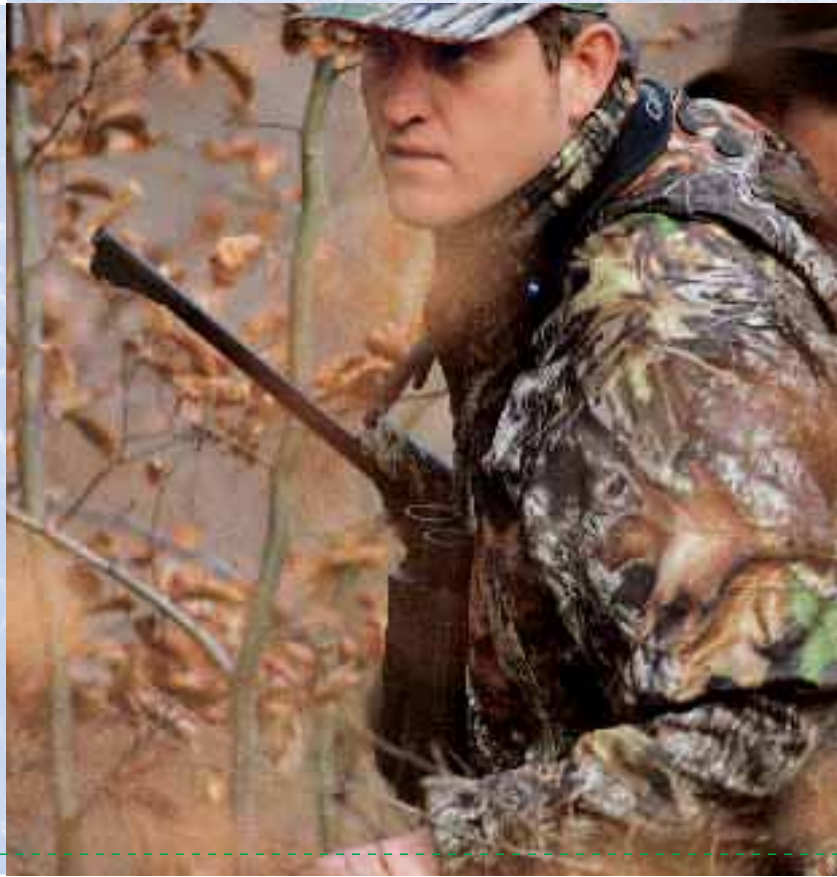
T* Lens Multi-Coating

The lenses of Conquest binoculars are luxuriously coated in the T* multi-coating process. This means that the greatest possible light transmission and twilight strength are guaranteed.

Value Retention

ZEISS Quality Standard

Conquest binoculars are extremely robust and resistant to harsh use. The housing of all Conquest models – with the exception of the Compact – is filled with nitrogen, 100 % waterproof and completely fog-free inside.



The **Conquest** Range



*Conquest Compact 8x20T**



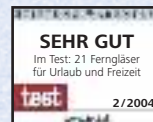
*Conquest Compact 10x25T**

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

Conquest Compact

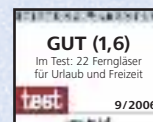
8x20T* and 10x25T*

High performance, ultra-light pocket binoculars for the whole family. Ideal as all-round glasses for cultural events, as spares or as travel glasses. With the intelligent Z-fold, the Compact fits into any shirt or jacket pocket. The handy, extremely robust housing is weatherproof and sealed against spray water. In terms of image quality, the Conquest Compact models shine with the richness of contrast and detail – thanks to the T* multi-coating.



Conquest 8x30T* and 10x30T*

The lightweight for daytime stalking and mountain hunting. High-contrast visual experiences in any surroundings, thanks to the high quality T* lens multi-coating. With 8x magnification for all-purpose use or with 10x magnification for high-detail observation over long distances.



Conquest 8x40T* and 10x40T*

Both of these models are robust, suitable for twilight hours and provide especially high performance. They are impressive for their highly varied application and, due to the T* multi-coating, offer bright and brilliant insights into nature.

Conquest 12x45T* and 15x45T*

The greatest level of magnification, for demanding observation tasks over long distances. The image sharpness and brilliance are impressive, as is the comfortable weight.



Conquest 8x50T* and 10x50T*

These light-sensitive experts are excellently equipped for twilight. Both models are extremely handy and easy to handle, measured by their performance. With a weight of just 900 grams, they are among the lightweights of twilight binoculars.

Included in the scope of delivery: eye piece cover, neoprene carrying strap and Cordura pouch with belt loop.

Special Binoculars Real Experts

8x56GAT* Dialyt

The particularly easy-to-handle and light-sensitive night scope for sitting game when the daylight is fading and in the dark. A proven companion of "night-time" hunters for over 40 years.

Classic 20x60S with Image Stabilisation

The binoculars of the superlative for extremely long distances. The 20x magnification with a lens diameter of 60 mm is designed for accurate observation of detail out in the wild. The mechanical image stabilisation ensures still observation, despite the strong magnification. It works completely and utterly soundlessly and with no batteries. With no tripod, objects that are a long way off can be observed motionlessly and accurately over a long period.

The uses of the ZEISS 20x60S include aerospace applications. The combination of strong magnification and the possibility of motionless observation with no energy supply has been ideally tried and tested here.

Nautical Binoculars 7x50GAT* Navy

Binoculars suitable for sea use, for all nature enthusiasts who go to sea. These have been proven at sea, in professional use. Due to the huge light-sensitivity and the large field of view, nautical binoculars are also rated highly by hunters. High quality Porro prisms produce detailed, razor-sharp views. The large exit pupil and eye pieces for those who wear glasses allow motionless observation, even in heavy seas. The ergonomic design demonstrates that the design of this product has been influenced by experienced seafarers.



8x56GAT Dialyt*

Included in the scope of delivery: eye piece cover, neoprene carrying straps, aluminium case.



Classic 20x60S

Included in the scope of delivery: eye piece cover and neoprene carrying straps.



7x50GAT Navy*

Included in the scope of delivery: eye piece and lens cover, neoprene carrying straps.

Technical specifications, see pages 40/41.



Accessories

Magnification of Fields of Application



*Tripod (page 48)
Order no. 1206.889*



*Binofix tripod adapter
Order no. 52 83 87*

Binofix Tripod Adapter

This all-purpose adapter ensures rapid, easy mounting of ZEISS binoculars from a lens diameter of 30 mm on every type of tripod. As such, it allows still observation, even at high magnifications, over a longer period. In conjunction with the 3x magnification mono-adapter (see below), this provides a visual experience similar to a spotting scope.

Mono 3x12

With a turn of the hand, it converts almost all Victory and Conquest binoculars into high performance spotting scopes, by trebling the magnification. The mono-amplifier is fixed to the eye piece by means of an adapter ring and can easily be taken along everywhere. It can also be used separately, as a mini telescope or as a magnifying glass in the close-focus range.

Quick connection: with the right adapter ring the mono is easy to mount on the following binoculars:



*Victory FL Order no. 52 83 77
Conquest 30/45 Order no. 52 83 78
Conquest 40/50 Order no. 52 83 79
Dialyt 8x56 GA T* Order no. 52 83 83*



*Mono 3x12
Order no. 52 20 12*



Mono: Attractive Solo Appearance

Small, slim and sporty – the figure of the ZEISS mono elegantly conceals what is inside: stunning image quality and size of field of view. Monos are always there to zoom in on contact at cultural and sporting events. The high quality optical components are carefully coated, the housing is robust and non-slip.

Due to their close-focus limit of 0.5 metres, the Mono 4x12T* and 6x18T* models are suitable as magnifying glasses, for magnifying text and details in the arm-length range. The "Miniquick" is particularly handy and as light as a feather, like a pen.



*Mono 4x12 T**



*Mono 6x18 T**



*Mono 8x20 T**



*Mono 10x25 T**









*Miniquick 5x10 T**



All Monos are supplied in a stylish, soft leather pouch with a carrying strap and make an attractive gift idea. (Does not apply to Miniquick)






The ZEISS Range of Binoculars at

Victory Binoculars

	Mono	Victory Compact		Victory FL			
	3x12	8x20T*	10x25T*	8x32T* FL	10x32T* FL	7x42T* FL	8x42T* FL
Magnification	3 x	8 x	10 x	8 x	10 x	7 x	8 x
Lens Diameter	12 mm	20 mm	25 mm	32 mm	32 mm	42 mm	42 mm
Exit Pupil Diameter	4 mm	2.5 mm	2.5 mm	4 mm	3.2 mm	6 mm	5.25 mm
Twilight Factor	6	12.6	15.8	16	17.9	17.1	18.3
Field of View at 1,000 m	220 m	118 m	95 m	Ww 140 m	Ww 120 m	Ww 150 m	Ww 135 m
Subjective Viewing Angle	38°	54°	54°	64°	69°	60°	62°
Close-Up Limit	0.2 m	2.6 m	4 m	2 m	2 m	2 m	2 m
Diopter Adjustment Range	> +/- 4 dpt	+/- 3 dpt	+/- 3 dpt	+/- 4 dpt	+/- 4 dpt	+/- 4 dpt	+/- 4 dpt
Exit Pupil Spacing	12 mm	13.5 mm	13.5 mm	15.5 mm	15.2 mm	16 mm	16 mm
Pupil Distance	–	32–74 mm	32–74 mm	52–74 mm	52–74 mm	54–76 mm	54–76 mm
Lens Type	Achromat	Achromat		4-Lens FL Type			
Prism System	Schmidt-Pechan	Schmidt-Pechan		Schmidt-Pechan			
LotuTec™	–	–	–	yes	yes	yes	yes
Nitrogen Filling	–	yes	yes	yes	yes	yes	yes
Water Resistance	sealed against spray water	400 mbar		400 mbar		400 mbar	
Functional Temperature Range	– 20/+ 40° C	– 20/+ 40° C		– 30/+ 63° C		– 30/+ 63° C	
Height	58 mm	93 mm	110 mm	117 mm	117 mm	152 mm	161 mm
Width At an Eye Width of 65 mm	–	97 mm	97 mm	116 mm	116 mm	128 mm	128 mm
Weight	54 g	225 g	250 g	550 g	560 g	740 g	755 g
Accessories	Mono 3x12			52 20 12	52 20 12	52 20 12	52 20 12
	Adapter for Mono			52 83 77	52 83 77	52 83 77	52 83 77
	Binofix			52 83 87	52 83 87	52 83 87	52 83 87
Order Numbers	Black	52 20 12	52 20 35	52 20 36	52 32 30	52 32 31	52 45 40
	Green	–	–	–	52 32 32	52 32 33	52 45 50
							
Page	39	35	35	33	33	33	33
Scope of Delivery	Soft Leather Pouch, Carrying Strap	Cordura Pouch with Belt Loop		Cordura Pouch, Neoprene Protective Eye Piece and			




T* = ZEISS multi-coating · FL = Fluoride Glasses · Ww = Binoculars with wide angle eye pieces · All eye cups rotatable, removable, lockable in 4 settings

Conquest Binoculars




	Monos					Conquest
	MiniQuick 5x10T*	4x12T*	6x18T*	8x20T*	10x25T*	8x20T*
Magnification	5 x	4 x	6 x	8 x	10 x	8 x
Lens Diameter	10 mm	12 mm	18 mm	20 mm	25 mm	20 mm
Exit Pupil Diameter	2 mm	3 mm	3 mm	2.5 mm	2,5 mm	2,5 mm
Twilight Factor	7	6,9	10,4	12,6	15,8	12,6
Field of View at 1,000 m	100 m	180 m	120 m	110 m	88 m	110 m
Subjective Viewing Angle	29°	41°	41°	51°	51°	51°
Close-Up Limit	4 m	0.45 m	0.3 m	3 m	4.5 m	3 m
Diopter Adjustment Range	> +/- 4 dpt	> +/- 4 dpt	> +/- 4 dpt	> +/- 4 dpt	> +/- 4 dpt	+/- 2 dpt
Exit Pupil Spacing	16.5 mm	15 mm	15 mm	15 mm	15 mm	15 mm
Pupil Distance	–	–	–	–	–	27–73 mm
Lens Type	Achromat	Achromat				Achro
Prism System	–	Schmidt-Pechan				Schmidt
LotuTec™	–	–	–	–	–	–
Nitrogen Filling	–	–	–	–	–	–
Water Resistance	sealed against spray water	sealed against spray water				sealed against
Functional Temperature Range	– 20/+ 40° C	– 20/+ 40° C				– 20/
Height	113 mm	70 mm	94 mm	101 mm	119 mm	102 mm
Width At an Eye Width of 65 mm	–	–	–	–	–	93 mm
Weight	23 g	45 g	58 g	67 g	77 g	185 g
Accessories	Mono 3x12					
	Adapter for Mono					
	Binofix					
	Protective lens cover					
Order Numbers	Black	52 20 10	52 20 50	52 20 51	52 20 52	52 20 53
						
Page	39	39	39	39	39	37
Scope of Delivery	–	Soft Leather Pouch, Carrying Strap				Cordura with Belt

T* = ZEISS multi-coating · All eye cups rotatable, removable, lockable in 4 settings










a Glance.

10x42T* FL	8x56T* FL	10x56T* FL
10 x	8 x	10 x
42 mm	56 mm	56 mm
4.2 mm	7 mm	5.6 mm
20.5	21,2	23.7
Ww 110 m	Ww 130 m	Ww 110 m
63°	60°	63°
2 m	3 m	3 m
+/- 4 dpt	+/- 4 dpt	+/- 4 dpt
16 mm	16 mm	16 mm
54-76 mm	55-76 mm	55-76 mm
5-Lens FL Type		
Abbe-König		
yes	yes	yes
yes	yes	yes
400 mbar		
- 30/+ 63° C		
161 mm	188 mm	188 mm
128 mm	145 mm	145 mm
765 g	1.220 g	1.250 g
52 20 12	52 20 12	52 20 12
52 83 77	52 83 77	52 83 77
52 83 87	52 83 87	52 83 87
52 45 42	52 56 08	52 56 10
52 45 52	52 56 11	52 56 12
		
33	33	33
Carrying Strap, Lens Cover		

Special Glasses

	Nautical Binoculars	With Image Stabilisation	Dialyt
	7x50 GAT* Navy	20x60 S	8x56 GAT*
Magnification	7 x	20 x	8 x
Lens Diameter	50 mm	60 mm	56 mm
Exit Pupil Diameter	7.1 mm	3 mm	7 mm
Twilight Factor	18.7	34.6	21.2
Field of View at 1,000 m	130 m	Ww 52 m	110 m
Subjective Viewing Angle	52°	60°	51°
Close-Up Limit	6.5 m	14 m	7 m
Diopter Adjustment Range	+ 9/- 6 dpt	+/- 7 dpt	+/- 3.5 dpt
Exit Pupil Spacing	18 mm	13 mm	19 mm
Pupil Distance	53-78 mm	57-73 mm	57-75 mm
Lens Type	Achromat		
Prism System	Porro		Abbe-König
LotuTec™	-	-	-
Nitrogen Filling	-	-	-
Water Resistance	sealed against spray water		
Functional Temperature Range	- 20/+ 40° C		
Height	144 mm	275 mm	238 mm
Width At an Eye Width of 65 mm	215 mm	161 mm	143 mm
Weight	1.200 g	1.660 g	1.010 g
Accessories	Mono 3x12		52 20 12
	Adapter for Mono		52 83 83
	Binofix		52 83 87
Order Numbers	Black	52 55 05	52 56 58
			
Page	38	38	38
Scope of Delivery	Neoprene Carrying Strap, Protective Eye Piece and Lens Cover	Neoprene Carrying Strap, Protective Eye Piece and Lens Cover, Aluminium Case	Neoprene Carrying Strap, Protective Eye Piece and Lens Cover

T* = ZEISS multi-coating · GA = Binoculars with Rubber Armouring · S = Stabilised · All eye cups rotatable, removable, lockable in 4 settings

Compact	Conquest							
10x25T*	8x30T*	10x30T*	8x40T*	10x40T*	12x45T*	15x45T*	8x50T*	10x50T*
10 x	8 x	10 x	8 x	10 x	12 x	15 x	8 x	10 x
25 mm	30 mm	30 mm	40 mm	40 mm	45 mm	45 mm	50 mm	50 mm
2.5 mm	3.75 mm	3 mm	5 mm	4 mm	3.75 mm	3 mm	6.25 mm	5 mm
15.8	15.5	17.3	17.9	20	23.2	26	20	22.4
88 m	120 m	96 m	120 m	Ww 105 m	80 m	64 m	110 m	100 m
51°	55°	55°	55°	60°	55°	55°	51°	57°
5 m	3 m	3 m	3 m	3 m	5 m	5 m	3 m	3 m
+/- 2 dpt	+/- 4 dpt	+/- 7 dpt	+/- 4 dpt	+/- 5 dpt	+/- 3 dpt	+/- 5 dpt	+/- 4 dpt	+/- 5 dpt
15 mm	14.6 mm	14.6 mm	16 mm	16 mm	14.6 mm	14.6 mm	16 mm	16 mm
27-73 mm	54-74 mm	54-74 mm	54-74 mm	54-74 mm	54-76 mm	54-76 mm	54-74 mm	54-74 mm
mat	Achromat							
-Pechan	Schmidt-Pechan		Abbe-König		Schmidt-Pechan		Abbe-König	
-	-	-	-	-	-	-	-	-
-	yes	yes	yes	yes	yes	yes	yes	yes
spray water	400 mbar		400 mbar		400 mbar		400 mbar	
+ 40° C	- 20/+ 55° C		- 20/+ 55° C		- 20/+ 55° C		- 20/+ 55° C	
119 mm	132 mm	132 mm	153 mm	153 mm	163 mm	163 mm	187 mm	187 mm
97 mm	115 mm	115 mm	128 mm	128 mm	119 mm	119 mm	133 mm	133 mm
200 g	550 g	560 g	790 g	810 g	665 g	670 g	905 g	905 g
	52 20 12	52 20 12	52 20 12	52 20 12	52 20 12	52 20 12	52 20 12	52 20 12
	52 83 78	52 83 78	52 83 79	52 83 79	52 83 78	52 83 78	52 83 79	52 83 79
	52 83 87	52 83 87	52 83 87	52 83 87	52 83 87	52 83 87	52 83 87	52 83 87
			52 92 17	52 92 17			52 92 22	52 92 22
52 20 34	52 32 08	52 32 10	52 45 08	52 45 10	52 45 12	52 45 15	52 50 08	52 50 10
								
37	37	37	37	37	37	37	37	37
Pouch Loop	Cordura Pouch, Neoprene Carrying Strap, Protective Eye Piece and Lens Cover							



Dive deep into the rhythm of nature. If you want to follow game, its habits and tracks, you must be able to stay close to it over long distances. The powerful ZEISS spotting scopes reveal even the most distant events in detail before your eyes. They stand for pleasurable, sharp observation and a continuous, effortless visual experience.



Up Close With Nature

ZEISS Diascope Spotting Scopes

Own Viewing Angle

Straight and Angled Viewing

As observation position is a personal preference, all ZEISS Diascope models come with a choice of straight viewing and 45° angled viewing.

At Home in the Wild

Compact and Robust Body, Nitrogen-Filled

Enthusiastic game observers are always carrying their spotting scopes over rugged terrain. The ZEISS Diascope spotting scopes are designed for harsh use in difficult terrain. The housing is compact, light, extremely robust and both waterproof and dustproof. The nitrogen filling keeps the equipment fog-free inside and guarantees clear vision in all weather conditions.

Solid, Top Performer

Large Tripod Support

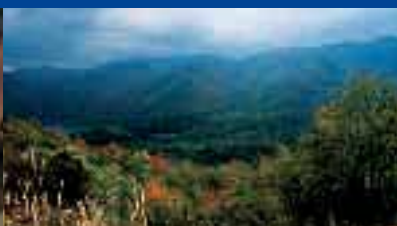
The large, rotating tripod support is a solid base for extensive observation in any terrain. It allows secure and stable mounting on the tripod.



The Innovation: DC4 Camera Eye Piece

The New Dimension for Nature Observation

With the DC4 camera eye piece, ZEISS has provided lasting enrichment to the world of passionate nature lovers: "Digiscoping" stands for simultaneous observation and photographing over great distances. The DC4 is equipped with an integrated 4-megapixel digital camera to capture those great moments. The Diascope and the DC4 form an indispensable instrument – even for game management.



Function in Focus

Separate Rapid and Fine Drives

Rapid, reliable focusing is a question of precise mechanics and excellent optics. With the ZEISS spotting scopes, the separate rapid and fine drives also provide handling comfort and delicate focusing with no loss of time.

Colour Fidelity, Bright Images

Highest Standard of Lens Quality

Diascope spotting scopes impress users with the greatest magnification performance in the ZEISS range. The visual experience here is equally as excellent as that of every other optical system from Carl Zeiss. The highest quality lens type with FL glass is selected for the spotting scopes. It guarantees images that are free of aberration and show sharp detail. All glass-air surfaces are coated in the T* multi-coating process. In conjunction with the phase-corrected roof prisms, every magnification has a fascinating image quality.

Best Lighting Conditions

Extendable Sunshade

The extendable sunshade prevents annoying reflections and is fitted with a locating tool, for rapid location of objects at high magnifications. A thread allows the attachment of filters.



The distance close up: the Diascope range brings observers and objects together at eye level. Large fields of view guarantee extensive views into the world far from civilisation, which follows its own rules.

The top class optical system, the extremely robust design and accurate functions that can be operated at lightning-speed correspond perfectly with the character of the open countryside.

Diascope



Optical Crossing of Boundaries

Nature in its Purest Form



FL – the Fluoride Glass

The 5-lens high performance objective with FL glass, developed by Carl Zeiss, is a constant element of the ZEISS Diascope spotting scopes. The stunning sharpness along the edges and strength of contrast meet the eye of the observer like a light in the darkness. They are the result of an innovative optics calculation based on fluoride glass types. The use of high performance fluoride glass eliminates the secondary colour spectrum. Chromatic aberrations are unnoticeable. Large lens diameters, in conjunction with the T* multi-coating, ensure a gloriously bright image, even under poor lighting conditions.

Vario Eye Piece

Thanks to its adjustable magnification setting, the Vario eye piece can be used particularly flexibly. A very large field of view ensures a good view at low magnification. With high magnification, the perception of the smallest detail is fascinating.

A particularly large, field of view with sharpness along the edges makes the 30x/40x eye piece the first choice for avid nature observers. Thanks to the sliding eye cups, the Vario eye pieces are optimal even for those wearing glasses. A Bayonet mount with a safety catch makes it quick and easy to change the eye piece.



Eye Piece 15–45x/20–60x



Eye Piece 30x/40x

Diascope Eye Pieces

	Vario Eye Piece for Diascope 65T* FL	Vario Eye Piece for Diascope 85T* FL	Eye Piece for Diascope 65T* FL	Eye Piece for Diascope 85T* FL
Magnification	15–45 x	20–60 x	30 x	40 x
Focal Length	25.1–8.4 mm	25.1–8.4 mm	12.8 mm	12.8 mm
Field of View	56–26 m/1,000 m	43–20 m/1,000 m	40 m/1,000 m	30 m/1,000 m
Diameter of the Exit Pupil	4.3–1.4	4.3–1.4	2.1	2.1
Weight	330 g	330 g	230 g	230 g
Length	99 mm	99 mm	77 mm	77 mm
Diameter	56 mm	56 mm	48 mm	48 mm
Order Numbers	52 80 20		52 80 19	

The Diascope Range

Diascope 65T* FL

The light, extremely compact service package for longer approach routes. The 65 T* FL is designed for intensive use in the mountains or in difficult terrain. Available with straight or angled viewing, in silver and green respectively.



Victory Diascope 65 T* FL Straight Viewing



Victory Diascope 65 T* FL 45° Angled Viewing

Diascope 85T* FL

The optical superlative with particularly large lens diameters, for avid nature observers who want to overcome long distances with concentrated strength of vision. The razor-sharp, high detail and contrast of the images is impressive, even at the strongest magnification. Available with straight or angled viewing, in silver and green respectively.



Victory Diascope 85 T* FL Straight Viewing



Victory Diascope 85 T* FL 45° Angled Viewing

Included in the scope of delivery: cover excl. eye pieces.

Diascope 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	1,100 g		1,450 g	
Length	300 mm		345 mm	
Height	105 mm		105 mm	
Width	80 mm		97 mm	
Lens Diameter	65 mm		85 mm	
Close Focus	4 m		5 m	
Lens Type	5-lens FL type			
Water Resistance	4 m			
Order Numbers Silver	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

Great moments in nature often only last for a short time. With the DC4 camera eye piece, Carl Zeiss provides the observer with the long awaited instrument to filter and capture these moments from the flow of events, at the simple touch of a button.

The DC4 is a 30x or 40x magnification eye piece with integrated digital camera. It strengths combines with the high performance optics of the Victory Diascope to form one unit that allows professional observation at the same time as brilliant photography.

DC4



Preserve the Magnitude of the Moment

Room for Impressions

Super Telescopic Focal Length

The focal length of the DC4 combined with the Diascope spotting scopes matches the focal length of a super telescopic lens of 1120 mm with 30x magnification (Diascope 65 T* FL) and 1460 mm with 40x magnification (Diascope 85 T* FL). The image section is selected directly in the eye piece field of view of the eye during the observation process. The image then appears on the display for review.

Flawless Image

Integrated 4-Megapixel CCD Sensor

The low-noise DC4 sensor has been specially adjusted for use on Diascope spotting scopes. The Dx0® signal processing ensures outstanding image results in terms of contrast, sharpness and colour.



Protected Values

Sealed Housing

The rubber-armoured housing sealed against spray water and produced in high performance polyamide qualifies the DC4 for intensive outdoor use.

Trigger for Image Quality

Remote Controlled Photography

With the handy remote control, the photograph can be taken with no motion, as neither the spotting scope nor the eye piece is touched.



The Digiscope Range

Energy Storage

Battery compartment for two NiMH Mignon AA batteries

Easy Adaptation

The bayonet mount connects the Diascope and DC4 without an adapter. With USB, video and network connection and SD card slot.

The innovative concept of the DC4 camera eye piece is protected by trademark rights.



Image Control

The 2" LC display serves the purpose of observation before and after the photograph is taken and displays the camera settings.

Observation Eye Piece

With soft eye cups and diopter compensation.

DC4 Camera Eye Piece

	With Diascope 65 T* FL	With Diascope 85 T* FL
Magnification	30 x	40 x
Field of View	40 m/1.000 m	30 m/1.000 m
Exit Pupil Diameter	2,1 mm	
EP Horizontal Distance	18 mm	
Diopter Adjustment Range	Approx. -4/+4 dpt	
Length	Approx. 185 mm	
Max. Width	Approx. 65 mm	
Max. Height	Approx. 105 mm	
Weight	Approx. 795 g (with batteries and memory card)	
Water Resistance	Protected against spray water	
Image Sensor Camera	1/1.8" CCD with 4 megapixels (approx. 9 mm diagonal)	
Aspect Ratio	4:3	
Focal Length	230 mm	300 mm
Image Section Matches KB Focal Length	Approx. 1,120 mm	Approx. 1,460 mm
Locking Times	1/200 to 1/8 sec	
Resolution Delay	Max. 0.9 sec	
Largest Aperture (Photometric)	6.4	
Lighting Measurement	Accentuated integral measurement	
ISO sensitivity	ISO 50/100/200/400/800 (auto and manual)	
Lighting Correction	EV - 2 to + 2 (1/3 stages)	
Serial Images	Up to 5 photographs	
White Adjustment	Auto and manual (sunrise/set, artificial light, daylight, shade, twilight)	
Storage Medium	SD memory card (128 MB SD card included in scope of delivery)	
File Format	TIFF, JPEG (3 compression stages)	
Camera Power Supply	2 x AA (LR06) high performance batteries with min. 2400 mAh or power supply operation	
Battery Life	Approx. 1.5 hours constant operation with 100 images. Power off and standby modes to extend operating time.	
Remote Control Power Supply	2 x AAA (LR03)	
Display	2.0" TFT colour display approx. 154,000 pixels	
Connections	USB 1.1/video output/power supply connection	
Accessories	Mains socket adapter with international plug set	52 91 45
Order Number		52 80 31



T* = ZEISS multi-coating FL = Fluoride glasses

Scope of Delivery

Remote control with batteries, fast battery charger with 4 batteries and international plug set, 128 MB SD card, video cable, USB cable, CD ROM with software (ACDSee 8.1®, Direct X®, Windows Media Player®)

Subject to modifications in the design and scope of delivery, for the purposes of technical development.

The Diascope Accessories Range

Quick Camera Adapter

The proven link between spotting scopes and digital or video cameras. Produce impressive shots of nature with a super telescopic focal range, using standard cameras. The swivel mechanism allows rapid changing between observation and photography mode. The extremely stable structure weighs just 870 g.

*Quick-Camera-Adapter
Order no. 52 86 10*



Photograph, film or observe in the highest image quality: simply swivel the camera in or out. Locking guarantees an exact sit.



Due to the stable construction, the swivel mechanism also works with digital video cameras.

Camera Adapter

The ingredient for unlimited variety of application. The camera adapter makes the ZEISS spotting scope super-telescopic with a focal range of up to 1,000 mm at a relative aperture of 1:12. It is screwed in place of the eye piece with the Diascope spotting scope. All reflex cameras can be adapted with a standard fitting T2 ring.



*Camera Adapter
Order no. 52 80 30*

Tripod

The steady rock for observation. The tripod ensures the greatest possible stability at a comfortable weight and, with the right adapter, can be combined with all ZEISS spotting scopes and most binoculars.



*Tripod
Order no. 1206.889*

Carry-All Bag

Reliable shield in any situation. Even during use, the carry-all bag protects the body of the spotting scope from external influences. Available for all models in the ZEISS Diascope spotting scope range.

Neoprene Cover

Practical and protective jacket for all Diascope models. The 3-part bag is perfectly tailored to the spotting scope range in terms of fit. It consciously avoids zippers and a carrying strap. The noise-inhibiting material can be handled unnoticeably in the field and the removal eye piece and lens cap protect the lenses from dirt.

Shoulder Bag

The perfect, protective transport solution for carrying over your shoulder. Available for both model variants, Diascope 65 T* FL and Diascope 85 T* FL with angled and straight viewing.

Adapter for 1 1/4" Astro Spotting Scopes

For nighttime stargazing with the ZEISS spotting scope range. With the coupling ring, even standard 1 1/4" astro spotting scopes can be mounted on any Diascope model.



Left: 1 1/4" Astro eye piece in centring ring.
Right: Coupling ring for fixing.
(Eye piece not included in scope of delivery.)
Order no. 52 83 84

Astro-Adapter

The mobile option for the hobby astronomer. Using the astro adapter, the spotting scope eye pieces can be connected to astronomic telescopes. Available with 1 1/4" and 2" connection.



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



Bereitschaftstasche für:
Diascope 65 T* FL straight viewing Order no. 1161.763
Diascope 65 T* FL angled viewing Order no. 1161.765
Diascope 85 T* FL straight viewing Order no. 1161.766
Diascope 85 T* FL angled viewing Order no. 1161.767



Neoprene cover for:
Diascope 65 T* FL straight viewing Order no. 52 91 63
Diascope 65 T* FL angled viewing Order no. 52 91 64
Diascope 85 T* FL straight viewing Order no. 52 91 65
Diascope 85 T* FL angled viewing Order no. 52 91 66



Shoulder bag for:
Diascope 65 T* FL Order no. 1161.768
Diascope 85 T* FL Order no. 1161.769



ZEISS interaktiv

www.zeiss.de/sportsoptics

An attractive information tour of current promotions and events, the extensive sports optics range, the history, and the other business divisions of the company group. Carl Zeiss looks forward to your online visit.

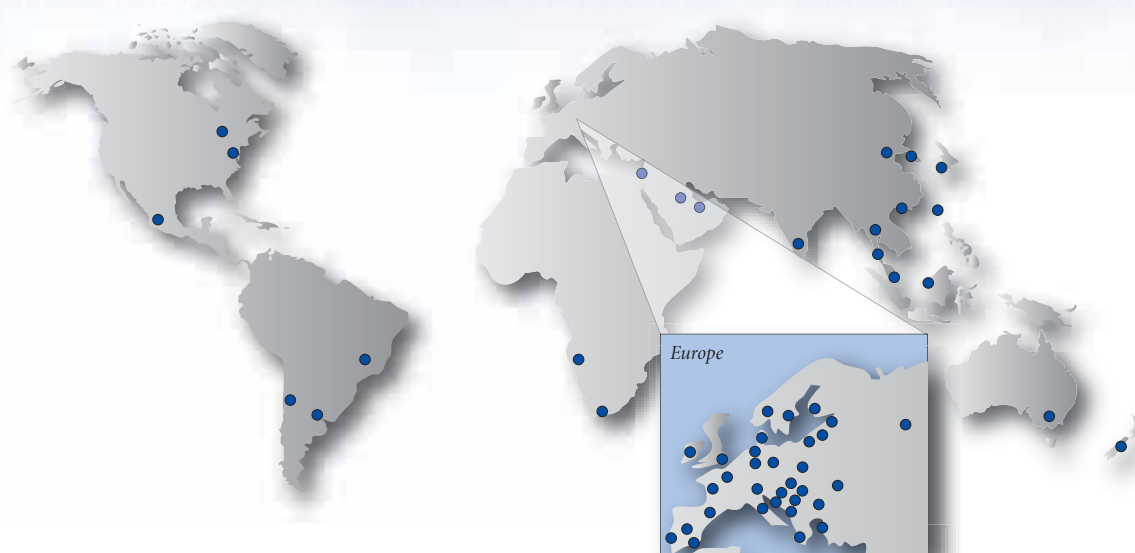
The World of ZEISS

The international sales locations of Carl Zeiss form the basis for the intense exchange with hunters and nature watchers all over the world.

The international sales locations of Carl Zeiss form the basis for the intense exchange with hunters and nature watchers all over the world.

SALES LOCATIONS AROUND THE WORLD

Namibia	(Africa)	Israel	(Asia)	Belgium	(Europe)	Italy	(Europe)	Russia	(Europe)
South Africa	(Africa)	Japan	(Asia)	Bulgaria	(Europe)	Croatia	(Europe)	Sweden	(Europe)
Argentina	(America)	Saudi Arabia	(Asia)	Denmark	(Europe)	Latvia	(Europe)	Switzerland	(Europe)
Brazil	(America)	Singapore	(Asia)	Germany	(Europe)	Lithuania	(Europe)	Serbia-Montenegro	(Europe)
Chile	(America)	South Korea	(Asia)	Estonia	(Europe)	Luxembourg	(Europe)	Slovakia	(Europe)
Canada	(America)	Taiwan	(Asia)	Finland	(Europe)	Netherlands	(Europe)	Slovenia	(Europe)
Mexico	(America)	Thailand	(Asia)	France	(Europe)	Norway	(Europe)	Spain	(Europe)
USA	(America)	UAE	(Asia)	Gibraltar	(Europe)	Austria	(Europe)	Czech Republic	(Europe)
China	(Asia)	Australia	(Australia)	Greece	(Europe)	Poland	(Europe)	Turkey	(Europe)
Hong Kong	(Asia)	New Zealand	(Australia)	Great Britain	(Europe)	Portugal	(Europe)	Ukraine	(Europe)
India	(Asia)	Andorra	(Europe)	Ireland	(Europe)	Romania	(Europe)	Hungary	(Europe)



Unlimited Adventure

On the Move with Carl Zeiss

Many of the most famous globetrotters and wilderness photographers/filmmakers are equipped with high performance optics from Carl Zeiss. The legendary Heinz Sielmann, who died in autumn 2006, was one of these. Celebrated Nature filmmaker Andreas Kieling also relies on ZEISS optics on his extreme tours, as does mountaineer Hans Kammerlander. Carl Zeiss is also a partner of the "Down Under Reporter", which is planning an extended expedition through the Australian outback – accompanied by a VOX TV team and equipped with ZEISS Victory binoculars.



Andreas Kieling observes and films animals living in the wild in North America.



A big thank you to all the hunters who took part in our photo shoot!



Best Binoculars



Best Rifle Scope

ZEISS Wins the Gold Twice

Carl Zeiss as Favourite of JÄGER Readers

Readers of hunting magazine JÄGER have voted: at the international exhibition for hunting and fly-fishing, "JAGD & HUND" in Dortmund, the "Golden Boar" was awarded for the first time on 30th January 2007. The award, a bronze sculpture of a male wild boar, was given by JÄGER magazine for the best hunting products and suppliers of the past year. The Victory Varipoint 3-12x56T* from Carl Zeiss won in the category "Best Rifle-scope" and the Victory 8x56T*FL emerged from the readers' survey as the "Best Binoculars".

Pursue Successes

The German National Biathlon Teams

Carl Zeiss is a partner of the International Biathlon Union (IBU) and sponsor of the German biathlon teams. Federal trainers of the German national team, Uwe Müssiggang and Frank Ullrich depend on lenses from ZEISS, to follow the successes of their biathletes. (Image from left to right: Katrin Apel, Kati Wilhelm, Martina Glagow, Uwe Müssiggang and Andrea Henkel).

