

ZEISS Conquest V4

1-4x24 | 3-12x56 | 4-16x44 | 6-24x50

Instructions for use

This product may be covered by one or more of the following United States patents: US6542302, US6816310, US6906862
For further United States patents which may cover this product see our website.
Patents: www.zeiss.com/sports-optics/us/patents



INSTRUCTIONS FOR USE

ZEISS products are famous for outstanding optical performance, precision workmanship and a long service life. Please observe the following instructions for use in order to obtain the best from your riflescope and to ensure that it remains your constant companion for many years to come.

INFORMATION FOR YOUR SAFETY

Environmental influences

- **Warning:** Do not under any circumstances look through the riflescope at the sun or laser light sources! Serious eye injury may otherwise result.
- **Note:** Never leave the device in the sun for extended periods without the protective lens cap. The objective lens and eyepiece can function as a burning glass and damage the interior components.
- **Caution:** Avoid touching the metal surface after exposure to sunlight or cold.

Danger of swallowing

Caution: Do not leave the batteries and removable exterior parts within reach of children (danger of swallowing).

Further information and safety instructions be found in the QuickGuide provided. This guide can also be found at the Download Center on our website.

Battery disposal

Batteries do not belong in household rubbish!
Please use a recycling facility in your area to dispose of used batteries.
Please only recycle discharged batteries.
As a rule, batteries are discharged if the device being run
■ shuts off and signals "Battery empty".
■ no longer functions properly after extended use of the batteries.

Caution: Use only battery types recommended by the manufacturer.
Handle used batteries in accordance with the manufacturer's instructions.
Under no circumstances should batteries be thrown into a fire, heated up, recharged, taken apart or broken open.



Germany: As a consumer, you have a legal obligation to return used batteries. You can hand in your batteries for free to wherever the batteries were purchased or to the public collection points in your city or community.

You will find these symbols on batteries that contain harmful substances:

Pb = Battery contains lead
Cd = Battery contains cadmium
Hg = Battery contains mercury
Li = Battery contains lithium

User information for the disposal of electrical and electronic equipment (private households)



This symbol on products and/or accompanying documents indicates that used electrical and electronic products are not to be mixed with ordinary household waste. Take these products to the appropriate collection point for proper handling, recovery and recycling, where they will be taken back for free. In some states, it may also be possible to hand in these products to your local dealer when purchasing a corresponding new product. The proper disposal of this product serves to protect the environment and prevents possible harmful effects on human beings and their surroundings, which may arise as a result of incorrect handling of waste. More detailed information on your nearest collection point is available from your local authority. According to state law, fines may be issued for the incorrect disposal of this type of waste.

For business customers within the European Union

To dispose of electrical and electronic equipment, please contact your dealer or supplier, who will be able to provide you with more information.

Information on disposal in other countries outside of the European Union

This symbol is applicable only in the European Union. Please contact your local authority or your dealer if you wish to dispose of this product and enquire about how to dispose of it.

Function

- Before working on the gun-mounted riflescope, always check to ensure that the weapon is not loaded.
- Be sure to leave sufficient eye relief in the mounted position to prevent injuries.
- Please make sure that the riflescope is functioning properly before use.
- Look through the lens to ensure it provides a clear, undisturbed image.
- It may no longer be properly adjusted due to rough handling.
- Check correct setting of the reticle by test shooting.

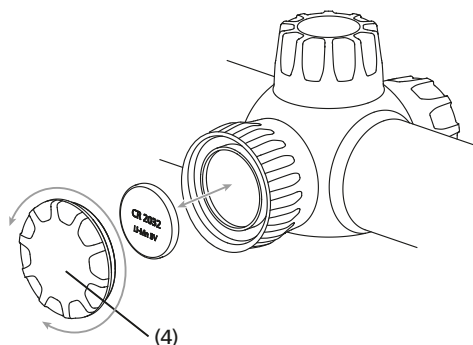
SCOPE OF SUPPLY

ZEISS Conquest® V4 riflescopes with reticle illumination:

	Product	Order number	Scope of supply
Conquest V4	1-4x24	52 29 05	Riflescope Protective cap Elevation cap Optical cleaning cloth Quick guide Battery (type CR 2032)
Conquest V4	3-12x56	52 29 25	
Conquest V4	6-24x50	52 29 55	

ZEISS Conquest® V4 riflescopes without reticle illumination:

	Product	Order number	Scope of supply
Conquest V4	3-12x56	52 29 21	Riflescope Protective cap Elevation cap Optical cleaning cloth Quick guide
Conquest V4	4-16x44	52 29 31	
Conquest V4	6-24x50	52 29 51	



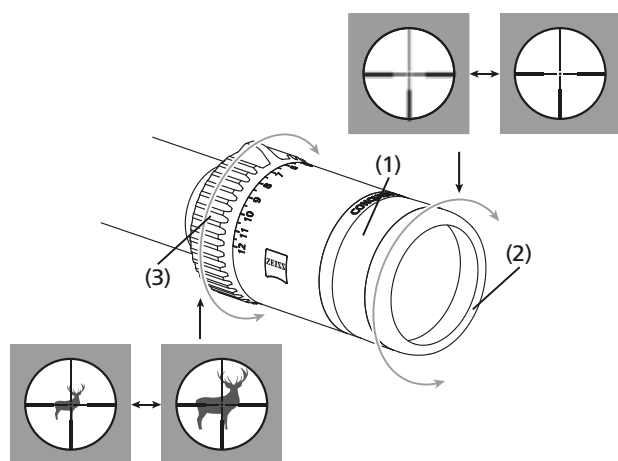
Inserting/removing the battery

To change the battery (model CR 2032), turn the cover (4) to the left (counterclockwise). The battery is inserted with the positive pole pointed up. Then screw the cover (4) back on. Make sure it is seated properly and check the condition of the sealing ring. Replace the sealing ring if it is damaged.

Note: If the riflescope is not used for an extended period of time, remove the battery.

TECHNICAL DATA		1-4x24		3-12x56		4-16x44		6-24x50	
Magnification		1	4	3	12	4	16	6	24
Effective lens diameter	mm	12.1	24	27.7	56	33.2	44	44.9	50
Exit pupil diameter	mm	12.1	6.0	9.2	4.7	8.3	2.8	7.5	2.1
Twilight factor		2.8	9.8	8.5	25.9	11.3	26.5	17.0	34.6
Field of view	ft/100yds (m/100m)	114 (38)	28.5 (9.5)	38.0 (12.7)	9.5 (3.2)	28.5 (9.5)	7.1 (2.4)	19.0 (6.3)	4.7 (1.6)
Objective viewing angle	°	21.5	5.4	7.2	1.8	5.4	1.4	3.6	0.9
Diopter range	dpt	-3 / + 2		-3 / + 2		-3 / + 2		-3 / + 2	
Eye relief	in (mm)	3.5 (90)		3.5 (90)		3.5 (90)		3.5 (90)	
Parallax-free	yds (m)	100 (91.4)		100 (91.4)		50 - ∞ (45.7 - ∞)		50 - ∞ (45.7 - ∞)	
Adjustment range	MOA (cm/100m)	100 (300)		70 (200)		80x60 (230x175)		80x60 (230x175)	
Adjustment per click	MoA (cm)	½ (1.4)		¼ (0.7)		¼ (0.7)		¼ (0.7)	
Centre tube diameter	mm	30		30		30		30	
Eyepiece tube diameter	mm	44		44		44		44	
Lens tube diameter	mm	30		62		50		56	
Coating		LotuTec®		LotuTec®		LotuTec®		LotuTec®	
Nitrogen filling		✓		✓		✓		✓	
Waterproof	mbar	400		400		400		400	
Operating temperature	°F (°C)	-4 / +131 (-20 / +55)		-4 / +131 (-20 / +55)		-4 / +131 (-20 / +55)		-4 / +131 (-20 / +55)	
Length	in (mm)	10.08 (256)		14.5 (368)		14.0 (356)		14.5 (368)	
Weight	oz (g)	16.6 (470)		21.5 (610)		22.6 (640)		24.4 (690)	

Subject to changes in design and scope of supply due to technical improvements.



Focusing the reticle

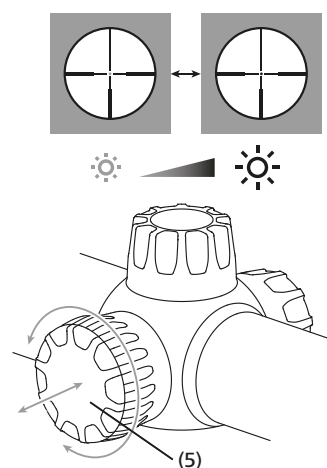
Focusing the reticle is done by turning the eyepiece. (1). We recommend making this adjustment with a higher magnification level. The reticle then remains in sharp focus over the entire range of magnification.

Note: A rubber ring (2) is attached to the eyepiece mount.

Changing the magnification

All magnifications, from the lowest to highest magnification level, allow infinitely variable setting. Change of magnification is done by turning the changer (3) on the eyepiece support. The magnification levels are marked by numbers and markings.

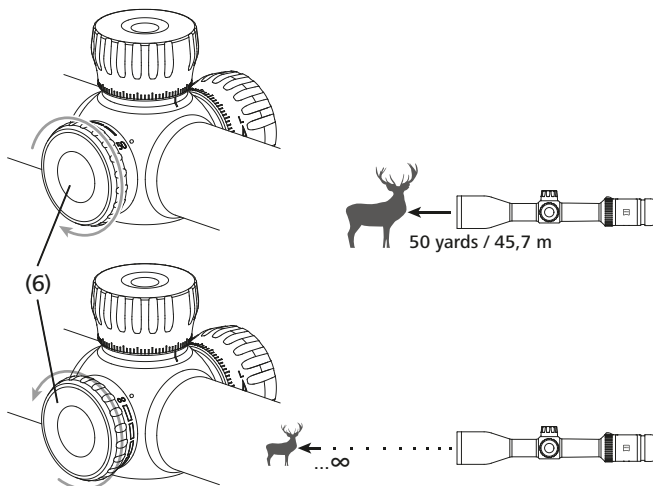
Note: When using at dusk or at night:
Turn left as far as possible – maximum magnification
Turn right as far as possible – minimum magnification.
The middle magnification is set when the cam of the magnification changer is pointing upward.



Reticle illumination

Illumination is turned on by turning the adjustment knob (5). Turning the knob to the right (clockwise) increases the brightness. Turning to the left (anti-clockwise) reduces the brightness. Adjustment can be made in 10 increments. Turn the knob to the next locked position to switch off.

Note: the reticle illumination of the Conquest V4 riflescope does not have an automatic switch-off function.

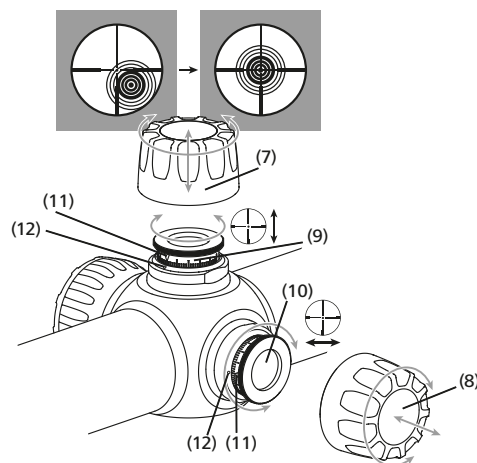


Parallax Adjustment

Turning the adjustment knob sets the optimal focus for target distances of approx. 50 yards / 45.7 m to infinity and enables aiming errors by the parallax to be avoided.

Basic mounting setting

To ensure that the weapon and riflescope work together perfectly as a single unit, the riflescope should always be mounted by a qualified gunsmith. Eye injury, caused by recoil of the weapon, can be avoided by proper mounting with the correct eye relief. The correct eye relief also guarantees a complete field of vision.



Adjusting the ZEISS Conquest V4 riflescope to the weapon

Adjusting the ZEISS Conquest V4 riflescope to the weapon, i.e. correction of deviations for the point of impact, is simplified by the click-catch in the elevation and windage adjustment of the reticle. Proceed as follows:

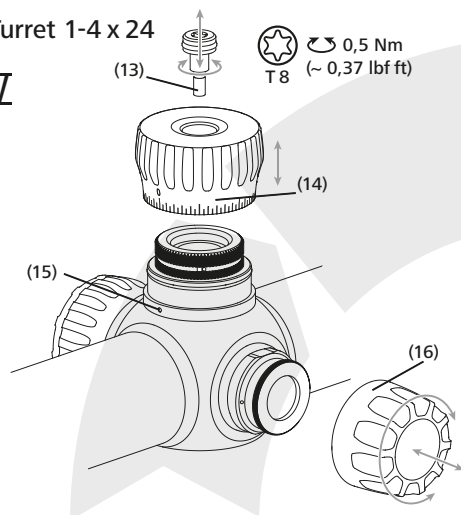
- After unscrewing the protective lens cap (7 or 8) the reticle can be adjusted by turning the adjustment knob (9) in elevation and (10) windage. For ZEISS Conquest V4 series riflescopes, 1 click corresponds to an adjustment of **1/4 MOA**.
If the weapon shoots low, it requires a shot correction upward (direction "UP"), corresponding to **one anti-clockwise turn of the adjustment knob (9)**.
If the weapon shoots high, it requires a shot correction downward, corresponding to **one clockwise turn of the adjustment knob (9)**.
If the weapon shoots left, it requires a shot correction to the right (direction "R"), corresponding to **one anti-clockwise turn of the adjustment knob (10)**.
If the weapon shoots right, it requires a shot correction left, corresponding to **a clockwise turn of the adjustment knob (10)**.
- After shooting, pull the knob (9 or 10) upward out of the catch and set the zero mark of the sub-ring (11) on the index mark (12). Press the knob (9 or 10) downward into the catch.
 The index is used to again find the original location when adjusting the reticle later (for other distances or other loads).
- Do not forget: Screw the protective lens cap (7 or 8) back on.

Note: When the riflescope from the ZEISS Conquest V4 series is delivered, the reticle is configured to the middle of the adjustment range and the zero mark of the adjustment knobs (9 and 10) is set to the index mark (12). From this initial setting, adjustment upwards and downwards, or to the right and left, is possible for more than half of the adjustment ranges indicated in the table.

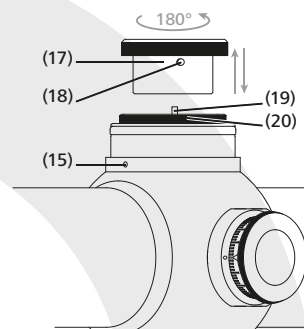
Note: The ZEISS Conquest V4 riflescopes are designed so that when the reticle is adjusted, even a corresponding movement of the reticle to the centre of the image is not noticeable. The reticle always remains in the centre of the image during all adjustments.

Ballistic Turret 1-4 x 24

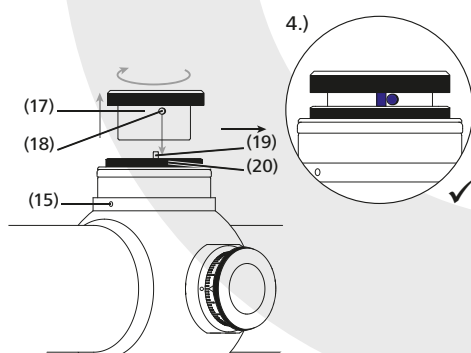
I + V



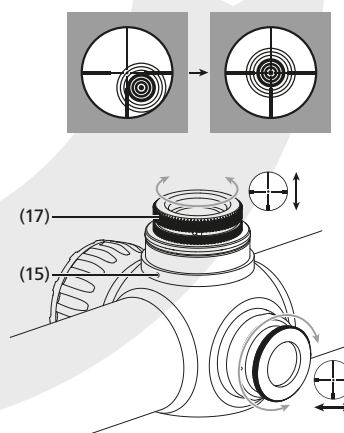
II



IV



III



Ballistic Turret for ZEISS Conquest V4 1-4x24

If your ZEISS Conquest V4 riflescope is fitted with the ballistic turret, you have the option of staying on the spot quickly and easily at a range of distances. The bullet drop is compensated in line with the distance by adjusting the sight line of the riflescope without removing the protective cap from the bullet drop compensation feature.

The rotary knob (14) has a linear graduation. The distance between each graduation is equivalent to 1 click, corresponding to ½ MOA. Each tenth graduation is labelled with a number between 5 and 35.

A ratchet prevents unintended adjustment.

If the ballistic values for an accurate aiming at 100 yds/m are known, the number of required clicks can be directly calculated and noted for the various distances.

Note: A limit stop in the ballistic turret prevents adjustment below the "0" mark.

Firing the weapon with the ballistic turret:

The following procedure should be followed to adjust a shot:

Ballistic Turret I Remove screw (13) and adjusting button (14).

Ballistic Turret II Pull driver (17) from the catch and turn (180°) anti-clockwise. It is now possible to make a downwards correction directly using the driver (17).

Ballistic Turret III If the weapon shoots too low, the shot must be adjusted upwards (direction "UP"), which is equivalent to rotating the driver (17) anti-clockwise.

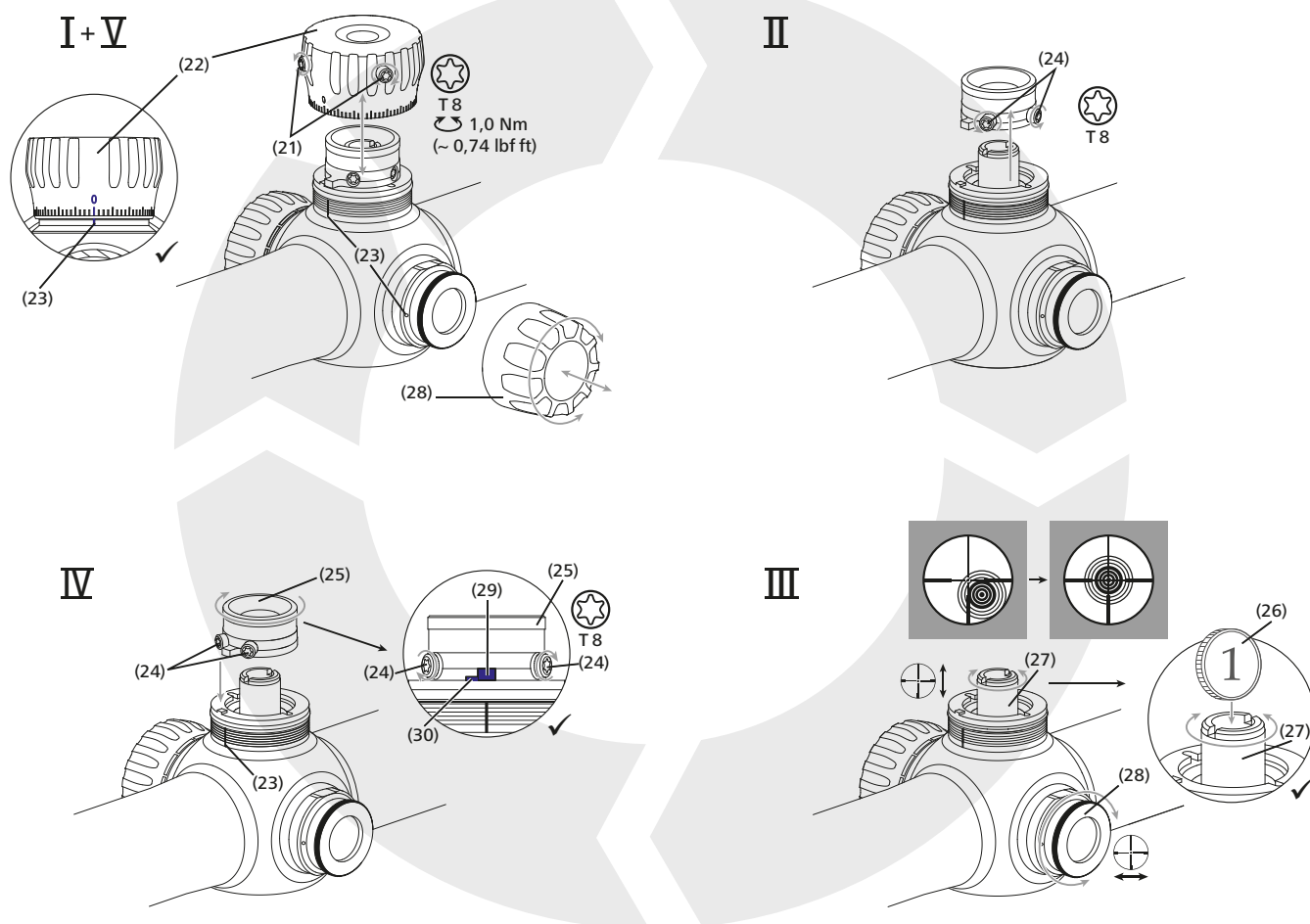
If the weapon shoots too high, the shot must be adjusted downwards, which is equivalent to rotating the driver (17) clockwise.

Once the weapon has fired at 100 yds/m:

Ballistic Turret IV Lift driver (17) out of the catch and position so that the stop pin (18) of the driver (17) sits on the stop pin (19) of the stop ring (20), as shown in Fig. (21).

Ballistic Turret V Position the adjusting button (14) so that the "0" mark corresponds with the index markings on the stop ring (15). Ensure that the O-ring does not become damaged. Use the screw (16) to retighten the adjusting button (14).

Ballistic Turret 4-16x44 | 6-24x50



Ballistic Turret for ZEISS Conquest V4 4-16x44 and 6-24x50

If your ZEISS Conquest V4 riflescope is fitted with the ballistic turret, you have the option of staying on the spot quickly and easily at a range of distances. The bullet drop is compensated in line with the distance by adjusting the sight line of the riflescope without removing the protective cap from the bullet drop compensation feature.

The rotary knob (22) has a linear graduation. The distance between each graduation is equivalent to 1 click, corresponding to 1/4 MOA. Each fourth graduation is marked with the relevant MOA value.

If the ballistic values for an accurate aiming at 100 yds/m are known, the number of required clicks can be directly calculated and noted for the various distances.

Note: A limit stop in the ballistic turret prevents adjustment below the "0" mark.

Note: To utilise the entire range of the height and lateral adjustment of the and windage of the riflescope, more than 2 revolutions are required. Circumferential markings that are located under the adjustment knob mark the position of which revolution the reticle adjustment is found. If the adjustment knob is correctly mounted, one is in the first revolution and the first ring is visible. An anti-clockwise turn has the effect that the adjustment knob (22 or 28) screws out. A clockwise turn has the effect that the adjustment knob (22 or 28) screws in.

If after a correction of the reticle adjustment, circumferential marks are visible, then a complete revolution (80 click) is effected in the zero position. Three visible, circumferential marks correspond in the zero position to 2 revolutions (160 click).

Firing the weapon with the ballistic turret:

The following procedure should be followed to adjust a shot:

Ballistic Turret I Unscrew the screws (21) and pull out the adjustment knob (22).

Ballistic Turret II Unscrew the screws (24) and lift out the driver (25).

Ballistic Turret III Insert a coin (26) in the slot provided in the adjustment head (27).

If the weapon shoots low, it requires a shot correction upward (direction "UP"), corresponding to **one anti-clockwise turn of the coin (26)**.

If the weapon shoots high, it requires a shot correction downward, corresponding to **one clockwise turn of the coin (26)**.

If the weapon shoots left, it requires a shot correction to the right (direction "R"), corresponding to **one anti-clockwise turn of the adjustment knob (27)**.

If the weapon shoots right, it requires a shot correction to the left, corresponding to **one clockwise turn of the adjustment knob (27)**.

After the rifle has been zeroed in to 100 yds/m target:

Ballistic Turret IV Set the driver (25) so that the stop pin of the driver (29) lies on the stop of the riflescope (30). Then retighten the screws (24).

Ballistic Turret V Set the adjustment knob (22) so that the "0" mark is aligned with the index mark on the locking ring (23). Retighten the screws (21).

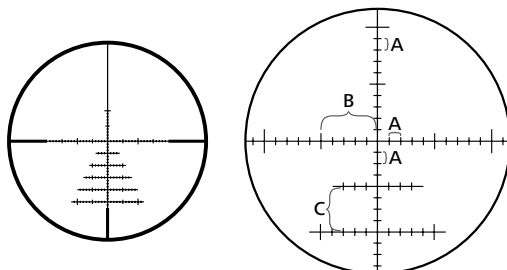
Seal integrity

The riflescope is waterproof, pressure tested to ISO 9022-80 and filled with nitrogen. The integrity of the seal is also guaranteed if the protective lens caps (**5 or 6**) of the reticle adjustment are not screwed on. However, always ensure a good seat of these protective lens caps (**5 or 6**) and the sealing ring under them.

Reticle V4

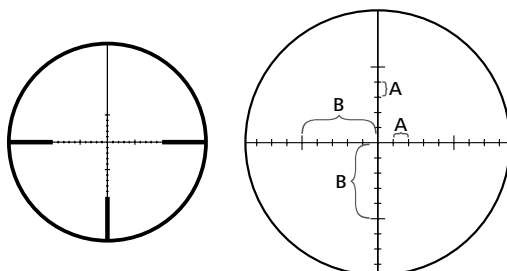
Your riflescope is equipped with the reticle of your choice. For the ZEISS Conquest V4 models the reticle is in the second level. The reticle is not magnified during magnification change, but rather it always remains the same. Thus for these riflescopes the dimension of change of the reticle is dependent on the magnification.

ZBR



	4-16x44			6-24x50		
Reticle	ZBR-2			ZBR-1		
Magnification	16x			24x		
	MOA in / 100 yds cm / 100 m			MOA in / 100 yds cm / 100 m		
Distance A	2	2.10	5.82	1	1.05	2.91
Distance B	10	10.48	29.10	5	5.24	14.55
Distance C	4	4.19	11.64	4	4.19	11.64
Opening	40	41.90	116.40	40	41.90	116.40

ZMOA



	4-16x44			6-24x50		
Reticle	ZMOA-2			ZMOA-1		
Magnification	16x			24x		
	MOA in / 100 yds cm / 100 m			MOA in / 100 yds cm / 100 m		
Distance A	2	2.10	5.82	1	1.05	2.91
Distance B	10	10.48	29.10	5	5.24	14.55
Opening	40	41.90	116.40	40	41.90	116.40

For an overview of the reticles and dimensions of coverage currently available, visit www.zeiss.com/reticles or contact us at:

Carl Zeiss
Sports Optics GmbH
ZEISS Gruppe
Gloelstraße 3 – 5
D-35576 Wetzlar

Care and maintenance

Your riflescope has ZEISS LotuTec coating. The effective protective coating for the lens surfaces noticeably reduces contamination of the lenses through an especially smooth surface and the resulting water-beading effect. All types of contamination stick less and can be quickly and easily removed without smearing. LotuTec coating is durable and abrasion-resistant.

Your ZEISS riflescope requires no special maintenance. Do not wipe coarse particles (e. g. sand) from the lenses. Blow them off, or use a soft brush! Over time, fingerprints can corrode the lens surface. Breathing on the lens and polishing with a clean optical cleansing cloth/tissue is the easiest method of cleaning the lens surface.

To avoid a possible fungal coating which is common in the tropics, store the optics in a dry place and always ensure good aeration of the lens surface.

Replacement parts for ZEISS Conquest V4

If you need any replacement parts for your riflescope, e.g. protective lens caps, please contact your local dealer, your country's distributor or our customer service team.

Our customer service team is available from Monday to Friday from 8:00 am until 6:00 pm (CET) should you have any questions.

Tel.: +49 (0) 64 41-4 67 61

Fax: +49 (0) 64 41-4 83 69

service.sportsoptics@zeiss.com

* Accessory not included in the delivery program!

ZEISS is a byword for reliability and a high level of quality. Therefore, quite independently of the seller's warranty obligations to the customer, we the manufacturer offer a ten year guarantee on this ZEISS product.

The scope of the guarantee can be seen by accessing the following link:

www.zeiss.com/sports-optics/premium-warranty-conditions

For US, please follow this link:

www.zeiss.com/sports-optics/us-warranty-conditions

Register your product at: www.zeiss.com/sports-optics/registration

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www.zeiss.com/sports-optics