

ZEISS 5229219920-000

## ZEISS Conquest V4 3-12x56 Riflescope User Manual

Model: 5229219920-000

Brand: ZEISS

### INTRODUCTION

Thank you for choosing the ZEISS Conquest V4 3-12x56 Riflescope. This manual provides essential information for the proper setup, operation, maintenance, and care of your new riflescope. Please read these instructions carefully before use to ensure optimal performance and longevity of your product.



Figure 1: ZEISS Conquest V4 3-12x56 Riflescope, showing the objective lens, main tube, and ocular lens with adjustment turrets.

### KEY FEATURES

The ZEISS Conquest V4 3-12x56 Riflescope is engineered with advanced optical and mechanical features to provide superior performance:

- **90% Light Transmission:** High-definition glass ensures exceptional light transmission, delivering bright, clear images even in low-light conditions and across the entire magnification range.
- **ZEISS T\* Coating:** Proprietary multi-layer lens coating guarantees brilliant, high-contrast images, especially in challenging light. Each lens is individually tuned for maximum clarity.

- **LotuTec Coating:** An external lens coating that repels water and dirt, providing a clear and unhindered view in all weather conditions.
- **4x Zoom Range:** Offers versatility for various shooting scenarios, allowing for precise detail recognition and an excellent overall field of view.
- **Z-Plex Reticle (#20):** A non-illuminated reticle with fine crosshairs for precise aiming at long ranges and in daylight. The unique arrow-shaped posts facilitate accurate aiming at smaller targets.
- **Capped Elevation Turret:** Provides protection against accidental adjustments, ensuring consistent zero.
- **Fixed Parallax:** Set for optimal performance without the need for parallax adjustment.



Figure 2: Demonstration of the ZEISS T\* coating, showing enhanced clarity and contrast.



Figure 3: Comparison showing the water-repellent properties of the LotuTec coating versus a standard coating.

## SETUP AND INSTALLATION

### Mounting the Riflescope

Proper mounting is crucial for accuracy and consistent performance. Ensure your rifle is unloaded and pointed in a safe direction before beginning installation.

1. Select appropriate 30mm scope rings and a base compatible with your rifle.
2. Securely attach the scope base to your rifle's receiver according to the manufacturer's instructions.
3. Place the lower halves of the scope rings onto the base.
4. Carefully place the riflescope into the lower rings.
5. Attach the upper halves of the rings, but do not fully tighten the screws yet.
6. Adjust the riflescope for proper eye relief and reticle alignment (see below).
7. Once positioned correctly, tighten the ring screws evenly and to the torque specifications provided by the ring manufacturer.

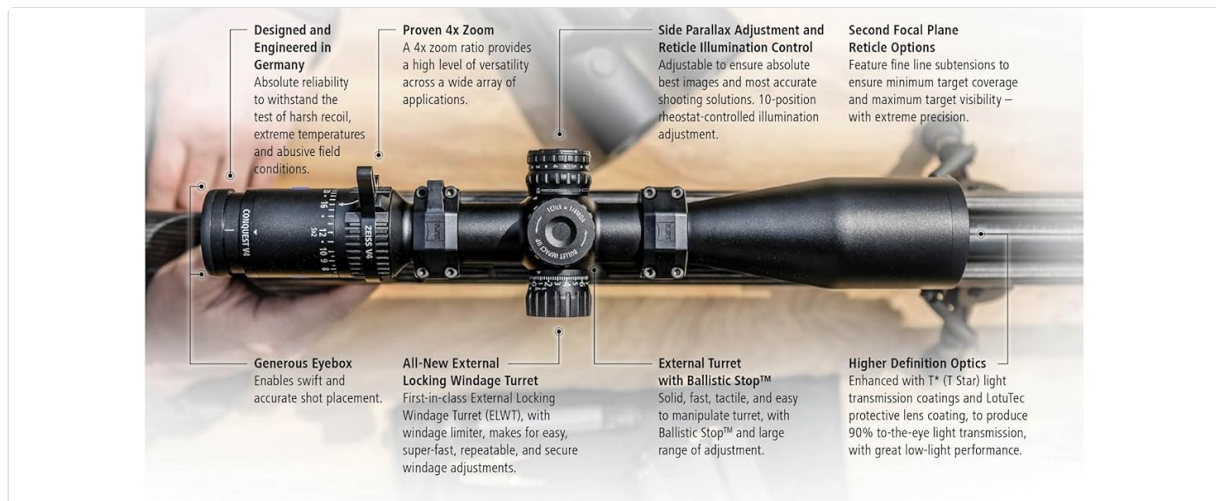


Figure 4: Detailed diagram illustrating various components and features of the ZEISS Conquest V4 Riflescope, including mounting points.

## Initial Adjustments

- **Eye Relief:** With the rifle shouldered, slide the scope forward or backward in the rings until you achieve a full, clear field of view without any dark crescent (vignetting) around the edges.
- **Diopter Adjustment:** Point the scope at a plain, bright background (like a wall or clear sky). Look through the scope and quickly glance away. Then, look back through the scope and immediately adjust the diopter ring (located on the ocular lens) until the reticle appears sharp and clear. Do not focus on the target, only the reticle.
- **Reticle Leveling:** Ensure the reticle is perfectly level with the rifle's bore. This can be done using a scope leveling kit or by aligning the vertical crosshair with a plumb line.

## OPERATING THE RIFLESCOPE

### Magnification Adjustment

The magnification of your riflescope can be adjusted using the zoom ring located on the ocular housing. Rotate the ring to select your desired magnification between 3x and 12x. Higher magnification provides more detail, while lower magnification offers a wider field of view.

### Reticle (#20 Z-Plex)

The #20 Z-Plex reticle is a non-illuminated, second focal plane reticle. This means its size appears constant regardless of the magnification setting. It features fine crosshairs for precise aiming and thicker posts that taper towards the center, aiding in quick target acquisition.

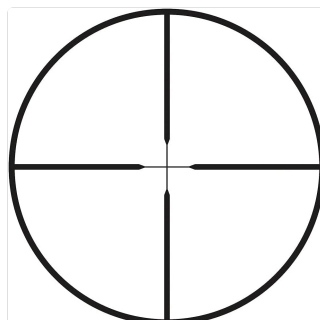


Figure 5: Illustration of the #20 Z-Plex Reticle.

## Elevation and Windage Turrets

Your Conquest V4 features a capped elevation turret and a windage turret for making precise adjustments to your point of impact. Each click of the turret adjusts the point of impact by 0.25 MOA (Minutes of Angle).

- **Elevation Turret:** The elevation turret is located on top of the scope. It is capped to prevent accidental adjustments. Remove the cap to access the adjustment dial. Turning the dial clockwise typically moves the point of impact down, and counter-clockwise moves it up.
- **Windage Turret:** The windage turret is located on the right side of the scope. Turning the dial clockwise typically moves the point of impact right, and counter-clockwise moves it left.

Always refer to your specific ballistic data and shooting conditions when making adjustments. After zeroing, replace the turret caps to protect the settings.



Figure 6: Close-up view of the capped elevation turret, showing adjustment markings.

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## MAINTENANCE AND CARE

Proper care will ensure your ZEISS Conquest V4 Rifle scope provides years of reliable service.

- **Cleaning Lenses:** Use a soft brush or compressed air to remove loose dust and debris. For smudges or fingerprints, use a clean microfiber cloth specifically designed for optics and a small amount of lens cleaning fluid. Wipe gently in a circular motion from the center outwards. Avoid using harsh chemicals or abrasive materials.
- **Cleaning Body:** Wipe the rifle scope body with a soft, damp cloth. For stubborn dirt, a mild soap solution can be used, followed by wiping with a clean, damp cloth and drying thoroughly.
- **Storage:** Store your rifle scope in a cool, dry place, away from direct sunlight and extreme temperatures. If storing for extended periods, consider using a desiccant to prevent moisture buildup. Always replace lens caps when not in use.
- **Avoid Disassembly:** Do not attempt to disassemble the rifle scope. This will void the warranty and can cause irreparable damage to the precision optics and mechanics.

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## TROUBLESHOOTING

If you encounter issues with your rifle scope, refer to the following common problems and solutions:

- **Blurry Image:**
  - Check diopter adjustment (focus on reticle, not target).
  - Ensure objective and ocular lenses are clean.
  - Verify proper eye relief.
- **Inconsistent Point of Impact:**

- Check that scope rings and base are securely tightened.
- Ensure the barrel and action are free of obstructions or damage.
- Verify ammunition consistency.

- **Reticle Not Clear:**

- Re-adjust the diopter setting for your eye.
- Clean the ocular lens.

- **Turrets Not Clicking or Adjusting:**

- Ensure turret caps are removed.
- If frozen in cold weather, allow the scope to warm up slightly.
- Do not force adjustments. If resistance is met, contact customer support.

If problems persist after attempting these solutions, please contact ZEISS customer support for further assistance.

## TECHNICAL SPECIFICATIONS

Below are the detailed technical specifications for the ZEISS Conquest V4 3-12x56 Riflescope. For a comprehensive overview of the V4 series, please refer to the provided specification tables.

### ZEISS Conquest V4 Riflescopes Specifications

Model	3 – 12x44	3 – 12x56	4 – 16 x 44	4 – 16 x 50	6 – 24x50
Magnification	3 x – 12 x	3 x – 12 x	4 x – 16 x	4 x – 16 x	6 x – 24 x
Focal Plane	Second	Second	Second	Second	Second
Effective Lens Diameter	27.1 mm – 44 mm	27.7 mm – 56 mm	33.2 mm – 44 mm	34.5 mm – 50 mm	44.9 mm – 50 mm
Exit Pupil Diameter	8.9 mm – 3.7 mm	9.2 mm – 4.7 mm	8.5 mm – 2.8 mm	8.5 mm – 3.1 mm	7.5 mm – 2.1 mm
Twilight Factor	9.0 – 23.0	9.1 – 25.9	11.5 – 26.5	11.7 – 28.3	16.4 – 34.6
Field of View at 100 yds	38 ft – 9.5 ft	38 ft – 9.6 ft	28.5 ft – 7.1 ft	28.5 ft – 7.1 ft	19 ft – 4.8 ft
Angular Field of View, Real	7.24° – 1.81°	7.3° – 1.8°	5.4° – 1.4°	5.43° – 1.36°	3.6° – 0.9°
Diopter Range	- 3 / + 2 dpt				
Eye Relief	3.5 in				
Parallax Setting	100 yds	100 yds	10 yds – ∞ or 50 yds – ∞*	10 yds – ∞ or 50 yds – ∞*	10 yds – ∞ or 50 yds – ∞*
Elevation Adjustment Range	70 MOA	70 MOA	80 MOA	80 MOA	80 MOA
Windage Adjustment Range	70 MOA	70 MOA	60 MOA	60 MOA	60 MOA

Figure 7: Part 1 of the ZEISS Conquest V4 Riflescopes specifications table, including Model, Magnification, Focal Plane, Effective Lens Diameter, Exit Pupil Diameter, Twilight factor, Field of View, Angular Field of View, Diopter Range, Eye Relief, Parallax Setting, Elevation Adjustment Range, and Windage Adjustment Range.

Model	3 – 12x44	3 – 12x56	4 – 16x44	4 – 16x50	6 – 24x50
Click Value	0.25 MOA				
Main Tube Diameter	30 mm				
Eyepiece Tube Diameter	44 mm				
Objective Tube Diameter	50 mm	62 mm	50 mm	56 mm	56 mm
Coating	LotuTec® / ZEISS T*				
Fogproof	Nitrogen Purged				
Waterproof	400 mbar (submerged 13 ft for 2 hours)				
Operating Temperature	-4 / +131°F				
Length	13.8 in	14.5 in	14 in	14.5 in	14.5 in
Weight / with Illumination	17.9 oz	20.9 oz / 21.8 oz	21.3 oz	23 oz	22.5 oz / 23 oz
Weight with ELWT	N/A	N/A	22.93 oz	24.13 oz	24.13 oz
Reticle Options	#20 Z-Plex	#20 Z-Plex #60 illum.	#20 Z-Plex #60 illum. ZMOA-T30 ZBi illum. ZMOAi-T30 illum.	ZMOAi-1 illum. ZBi illum. ZMOAi-T30 illum.	#60 illum. ZMOAi-1 illum. ZMOAi-T20 illum. ZMOAi-20 illum. ZBi illum.

ZEISS is not responsible for typographical errors. Specifications and products may change without prior written notice. All efforts have been made to make sure content is accurate.

\*Dependent upon riflescope configuration and part number.

Figure 8: Part 2 of the ZEISS Conquest V4 Riflescopes specifications table, including Click Value, Main Tube Diameter, Eyepiece Tube Diameter, Objective Tube Diameter, Coating, Fogproof, Waterproof, Operating Temperature, Length, Weight, and Reticle Options.



## WARRANTY AND SUPPORT





ZEISS products are known for their high quality and reliability. For detailed information regarding the warranty coverage for your Conquest V4 Riflescope, please refer to the warranty card included with your product or visit the official ZEISS website. The warranty typically covers defects in materials and workmanship under normal use.

For technical support, service, or any inquiries not covered in this manual, please contact ZEISS customer service. Contact information can usually be found on the ZEISS website or on your product packaging.

Always ensure you are contacting an authorized ZEISS service center for repairs or maintenance to maintain your warranty validity.

## Related Documents - 5229219920-000

	<p><a href="#">ZEISS CONQUEST HDX Gebrauchsanleitung: Ihr Leitfaden für optimale Leistung</a></p> <p>Umfassende Gebrauchsanleitung für ZEISS CONQUEST HDX Ferngläser. Erfahren Sie alles über Einstellungen, Pflege und technische Details für ein herausragendes Seherlebnis.</p>
	<p><a href="#">ZEISS Conquest V6 Riflescope User Manual &amp; Technical Data</a></p> <p>Official user manual and technical specifications for the ZEISS Conquest V6 riflescopes (1.1-6x24, 2-12x50, 2.5-15x56). Learn about operation, features, and maintenance.</p>

 <p>Quality Assurance for eMobility</p>	<p><a href="#">ZEISS Quality Assurance Solutions for eMobility: Enhancing Safety and Performance</a></p> <p>Discover ZEISS's comprehensive quality assurance solutions for the eMobility sector, covering batteries, electric motors, fuel cells, automotive electronics, and transmissions. Enhance safety, performance, and reliability with advanced metrology and inspection technologies from ZEISS.</p>
 <p>ZEISS CT LUCIA 602 (formerly EC-3 PRL) and Z Cartridge IOL Delivery System</p>	<p><a href="#">ZEISS CT LUCIA 602 &amp; Z Cartridge IOL Delivery System Handling Instructions</a></p> <p>Comprehensive handling and preparation guide for ZEISS CT LUCIA 602 and Z Cartridge IOL Delivery System, detailing step-by-step procedures for ophthalmic surgical use.</p>
	<p><a href="#">ZEISS CALLISTO eye 3.6: Quick Guide to Reference Image Matching</a></p> <p>A comprehensive quick guide for ZEISS CALLISTO eye 3.6, detailing the process of matching the reference image for accurate toric IOL alignment. Learn about image capture, microscope requirements, patient data import, and alignment procedures.</p>
 <p>ACCUJECT 3.0-1P injector set with ZEISS CT SPHERIS 204 or CT ASPHINA 404 High-Diameter range</p>	<p><a href="#">ACCUJECT 3.0-1P IOL Injector Set with ZEISS CT SPHERIS &amp; CT ASPHINA - Handling Instructions</a></p> <p>Detailed handling instructions for the ACCUJECT 3.0-1P injector set, compatible with ZEISS CT SPHERIS 204 and ZEISS CT ASPHINA 404 intraocular lenses. Learn how to safely and effectively use this medical device for ophthalmic surgery.</p>