

# ZeroTech Trace 3-18x50 SFP R3 Riflescope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-trace-3-18x50-sfp-r3-riflescope/>

## Description:

ZeroTech Trace 3-18x50mm R3 Riflescope with Second Focal Plane (SFP) reticle designed for precision shooting and hunting. Features 3-18x magnification, 50mm objective lens, floating center dot reticle with 1 MOA subtensions, and 4 MOA hash marks. Built with durable 30mm tube, Precision Turret System, Zero Stop reliability, and 92% light transmission for exceptional performance in demanding conditions and low light environments.

## Details:

ZeroTech Trace 3-18x50mm R3 Riflescope with Second Focal Plane (SFP) reticle designed for precision shooting and hunting. Features 3-18x magnification, 50mm objective lens, floating center dot reticle with 1 MOA subtensions, and 4 MOA hash marks. Built with durable 30mm tube, Precision Turret System, Zero Stop reliability, and 92% light transmission for exceptional performance in demanding conditions and low light environments.

**Price:** 649.0 USD

**Brand:** ZeroTech

**Availability:** in\_stock

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## Product Intelligence

# ZeroTech Trace 3-18x50 SFP R3 Riflescope: Technical Details and Specifications ## Product Overview The **ZeroTech Trace 3-18x50 SFP R3 Riflescope** is a precision optical instrument manufactured by ZeroTech Optics, engineered for long-range hunters and precision shooters. This riflescope combines variable magnification, advanced optical design, and practical features for demanding shooting applications. ## Magnification and Optical Specifications The riflescope features a **3-18x variable magnification range**, allowing shooters to adapt to different engagement distances and shooting conditions. This adjustable magnification capability makes it suitable for both standard and long-range shooting scenarios. The magnification system is calibrated at the **high magnification setting of 18x** in the second focal plane design. The riflescope is equipped with a **50mm objective lens diameter**, which provides enhanced light gathering capability essential for clarity across varying lighting conditions. The fully multi-coated lenses ensure consistent optical performance and maximize light transmission throughout the magnification range. ## Focal Plane Design and Reticle The Trace 3-18x50 SFP R3 utilizes a **second focal plane (SFP) design**, where the reticle calibration is fixed at 18x magnification. This design affects how the reticle scales with magnification changes, making it particularly suitable for shooters who primarily use the scope at its highest magnification setting. The riflescope is equipped with the **R3 reticle**, a proprietary ZeroTech reticle system designed for precision targeting and long-range applications. The R3 reticle assists in aiming procedures and

provides additional functionality for range estimation and ballistic calculations. ## Physical Specifications ### Dimensions and Construction - \*\*Objective Outer Diameter:\*\* 57.5mm - \*\*Ocular Outer Diameter:\*\* 43.5mm - \*\*Main Tube Diameter:\*\* 30mm - \*\*Weight:\*\* 825 grams (approximately 1.8 lbs) - \*\*Construction Material:\*\* High-strength 7075-T6 aluminum for durability and ability to withstand recoil forces ### Eye Relief and Field of View - \*\*Eye Relief:\*\* 91-100mm, providing comfortable viewing position and safe distance from the eyepiece - \*\*Field of View at 100 Meters:\*\* Ranges from 11.2m at low magnification (3x) to 1.9m at high magnification (18x) ### Exit Pupil Specifications - \*\*Exit Pupil Diameter at Low Magnification:\*\* 9.5mm - \*\*Exit Pupil Diameter at High Magnification:\*\* 2.8mm ## Optical Performance - \*\*Light Transmission:\*\* 92% efficiency, ensuring excellent clarity and brightness across varying lighting conditions - \*\*Parallax Adjustment Range:\*\* 25 Meters to Infinity, enabling shooters to correct for parallax error at different magnification levels and distances ## Adjustment Features - \*\*Internal Elevation Adjustment:\*\* 26 MRAD of total vertical adjustment capability for precise point-of-impact correction - \*\*Internal Windage Adjustment:\*\* 20 MRAD of total horizontal adjustment capability - \*\*Turret Index Value:\*\* 0.1 MRAD per click, providing precise adjustment increments - \*\*Zero Stop Feature:\*\* Includes a zero stop on the elevation turret for quick return to zero after initial mounting and zeroing procedures ## Included Accessories - \*\*Instruction Manual:\*\* Comprehensive operational documentation for assembly, zeroing procedures, and turret resetting operations - \*\*Reticle Range Chart:\*\* A downloadable reference document providing comprehensive range and ballistic data for the R3 reticle variant, assisting users in distance determination and aiming calculations - \*\*High Quality Microfibre Cloth:\*\* Included for cleaning and maintaining the optical surfaces ## Construction Standards The riflescope is \*\*Argon-purged and O-ring sealed\*\*, ensuring waterproof protection and flawless performance in extreme weather conditions. These construction features prevent internal fogging and maintain optical clarity in humid, dusty, or variable temperature environments. ## Retail Pricing The Trace 3-18x50 SFP R3 retails between \*\*\$599-857 USD\*\*, positioning it as a mid-range to performance-tier precision rifle scope offering excellent value for serious hunters and competitive shooters. ## Key Features Summary - Variable 3-18x magnification for versatile shooting applications - 50mm objective lens for superior light gathering - R3 proprietary reticle design - Second focal plane optical design - Robust 7075-T6 aluminum construction - Comprehensive adjustment range with zero stop capability - 92% light transmission for exceptional optical clarity - Argon-purged for all-weather reliability ### References - [1] [directory/business\\_homepage/business-profile-and-homepage.md](https://www.traceoptics.com/directory/business_homepage/business-profile-and-homepage.md)

## Downloads & References

- [View Product Guide](#)