

ZeroTech 4.5-27x50mm RMG Trace Riflescope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-45-27x50mm-rmg-trace-riflescope/>

Description:

ZeroTech Trace 4.5-27x50mm RMG riflescope delivers precision refined for those who demand more. Combines tactical accuracy, crystal clear vision, and field-proven durability. Built for hunting open country, range tracking, and long-distance shots with total control and reliability.

Details:

ZeroTech Trace 4.5-27x50mm RMG riflescope delivers precision refined for those who demand more. Combines tactical accuracy, crystal clear vision, and field-proven durability. Built for hunting open country, range tracking, and long-distance shots with total control and reliability.

Price: Available

Brand: ZeroTech Optics

[View Product](<https://zerotech.com.au/p/4-5-27x50mm-rmg-trace-riflescope>)

Product Intelligence

ZeroTech Trace 4.5-27x50mm RMG Riflescope: Technical Specifications and Features ## Overview The **ZeroTech Trace 4.5-27x50mm RMG Riflescope** is a precision tactical rifle scope engineered for long-range shooting and competitive applications. This scope combines advanced optical technology with robust mechanical construction to deliver exceptional performance across various shooting scenarios. ## Magnification and Optical Specifications ### Magnification Range The riflescope features a **4.5-27x magnification range**, providing variable zoom capability from 4.5x power at minimum magnification to 27x power at maximum magnification. This wide magnification range accommodates both close-range and extended-distance shooting requirements. ### Objective Lens The scope is equipped with a **50mm objective lens diameter**, which serves as the primary light-gathering component. The 50mm objective lens determines critical optical performance characteristics including light-gathering capability, brightness, and image clarity, particularly in varying lighting conditions. ### Field of View At 100 meters distance, the riflescope provides a **field of view of 9.8 meters at low magnification and 2.4 meters at high magnification**, enabling shooters to adapt their viewing perspective to different engagement distances and tactical scenarios. ### Exit Pupil Diameter The scope features variable exit pupil diameter specifications ranging from **12.5mm at low magnification to 3.0mm at high magnification**, affecting light transmission and eye positioning for optimal viewing. ## Optical Coatings and Clarity The Trace 4.5-27x50mm riflescope incorporates **fully multi-coated lenses** that provide consistent optical performance across varying lighting conditions. The scope achieves **92% light transmission** through its optical system, ensuring strong brightness and image clarity for reliable performance in low-light environments and challenging field conditions. ## Eye Relief The riflescope provides **91-100mm of eye relief** (approximately 3.58-3.94 inches), establishing a safe and comfortable distance between the shooter's eye and the ocular lens. This generous eye relief

specification is essential for safe shooting positions and comfortable viewing during extended use, particularly benefiting eyeglass wearers. ## Reticle System ### RMG Reticle The scope is equipped with the **RMG reticle**, a precision-engineered reticle system specifically designed for long-range and tactical applications. The RMG reticle provides advanced targeting capabilities and ballistic compensation features for accurate shot placement at various distances. ### Reticle Range Chart The riflescope includes a **reticle range chart** as bundled documentation, providing shooters with ballistic and distance reference information for calculating trajectory and optimizing shot placement with the RMG reticle system. ## Mechanical Construction ### Tube Diameter and Material The riflescope is constructed with a **durable 30mm main tube** engineered from high-strength materials. This robust construction ensures the device maintains optical integrity and functionality in challenging field conditions while withstanding the demanding recoil forces associated with firearm operation. ### Adjustment Turrets The scope features **1/4 MOA locking turrets**, providing: - **60 MOA of internal elevation adjustment** for vertical bullet impact compensation - **60 MOA of internal windage adjustment** for horizontal wind compensation These mechanical travel ranges allow shooters to systematically dial in corrections across different distances and shooting conditions. ## Environmental Protection ### Waterproofing and Durability The riflescope meets **IPX7 waterproof rating standards**, ensuring protection against water exposure and environmental elements. The scope features **argon purging and O-ring sealing**, which prevent internal fogging and maintain optical clarity in extreme weather conditions—from intense cold to humid or rainy climates. ### Lens Coating Protection The scope incorporates **Weathershield lens coating** and **FMC (Fully Multi-Coated) lens coating** to protect against environmental exposure while maintaining optical clarity and protecting against corrosion. ## Physical Specifications ### Weight The Trace 4.5-27x50mm riflescope has a **weight of 8 pounds**, contributing to its practicality for field use while maintaining structural integrity and durability. ## Included Accessories The riflescope is packaged with: - **Instruction Manual** providing comprehensive operational and maintenance guidance - **High-quality microfibre cloth** for lens cleaning and optical surface maintenance - **Reticle Range Chart** for ballistic calculations and distance reference ## Application Suitability The ZeroTech Trace 4.5-27x50mm RMG riflescope is specifically engineered for: - **Long-range precision shooting** requiring maximum magnification capability - **Tactical applications** demanding robust performance and reliable adjustments - **Competitive shooting** where precision and consistency are paramount - **Field hunting** requiring variable magnification and dependable optical performance The scope's combination of high magnification, robust construction, precision turret systems, and advanced RMG reticle system makes it an excellent choice for shooters who demand exceptional clarity and precision across extended distances without compromising on field reliability. ### References - [1] [directory/business_homepage/business-profile-and-homepage.md](https://www.zerotech.com/directory/business_homepage/business-profile-and-homepage.md)

Downloads & References

- [Download Primary Spec Sheet](#)
- [Download Secondary Spec Sheet](#)
- [View Product Guide](#)