

ZeroTech 20-60x80mm Optimised Spotting Scope

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/hunting-shooting-optics/zerotech-20-60x80mm-optimised-spotting-scope/>

Description:

ZeroTech Optics premium 20-60x80mm spotting scope built for clarity, precision, and rugged reliability. Engineered for long-range observation, target spotting, and wildlife study with professional-grade vision in any condition. Features wide-field brilliance and fine-tuned focus control for demanding outdoor pursuits.

Details:

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Price: Available

Brand: ZeroTech Optics

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Product Intelligence

ZeroTech Trace Advanced 20-60x80 Spotting Scope: Technical Specifications and Features ## Overview The **ZeroTech Trace Advanced 20-60x80 Spotting Scope** is a precision optical instrument engineered for long-range target acquisition, precision shooting, and wildlife observation. This premium spotting scope combines advanced optical engineering with robust mechanical construction to deliver exceptional performance in demanding field conditions. ## Optical Specifications ### Magnification and Objective Lens The spotting scope features a **20-60x magnification range** with an **80mm objective lens diameter**, providing variable magnification capability for observing targets at extended distances. The magnification range allows users to transition from wider field of view at lower magnification to high-powered observation at maximum magnification. ### Field of View The spotting scope provides **variable field of view from 38.4 meters to 12.6 meters at 1000 metres** depending on the magnification setting selected. This specification enables users to adjust their viewing area based on specific observation requirements, with wider fields at lower magnifications facilitating target location and narrower fields at higher magnifications supporting detailed examination. ### Light Transmission and Optical Quality The spotting scope incorporates **ED (Extra-low Dispersion) glass** technology to provide high resolution and clarity in low light conditions. This advanced optical component reduces chromatic aberration and enhances color fidelity across the observable spectrum, ensuring superior image quality throughout the magnification range. ### Exit Pupil Diameter The spotting scope features **exit pupil diameter ranging from 4mm to 1.3mm**, affecting image brightness and eye positioning at different magnification levels. These specifications determine the optimal viewing distance and eye relief characteristics at various power settings. ### Eye Relief The spotting scope provides an **eye**

relief of 30mm**, allowing comfortable viewing distance from the eyepiece during extended observation sessions. This specification ensures that users can maintain proper eye positioning without fatigue during prolonged use. ## Mechanical Specifications ### Physical Dimensions and Weight The spotting scope **weighs 2377 grams**, reflecting its robust construction designed to withstand demanding field conditions while maintaining optical stability during observation. ### Parallax Adjustment The spotting scope features a **parallax adjustment range from 10 metres to infinity**, enabling precise focus at varying distances. This capability ensures sharp focus across the entire magnification range, from close-range target examination to distant observation. ### Tube Construction The spotting scope is constructed with precision engineering emphasizing durability and reliability in extreme environments, with **argon-purged and O-ring sealed construction** to prevent internal fogging and maintain waterproof integrity. ## Reticle System ### OSR MRAD Reticle The spotting scope includes an integrated **OSR (Optimised Spotting Reticle) MRAD reticle** featuring glass-etched design with **0.2 MRAD increments** and **integrated 0.1 MRAD measuring bars** for range estimation. This advanced reticle system enables: - **Precise shot corrections** through indexed MRAD references - **Range estimation** using calibrated measuring bars - **Angular measurement** in milliradians for professional precision shooting applications The OSR MRAD reticle supports shooters in making accurate adjustments and calling corrections based on observed target movement and environmental conditions. ## Primary Applications ### Long Range Target Acquisition The spotting scope is **designed to support long range target acquisition**, enabling shooters and observers to effectively identify and assess targets at extended distances with optical clarity and magnification power. ### Precision Shooting Support The spotting scope is **designed to support precision shooting applications**, serving as an essential tool for competitive shooters, long-range hunters, and tactical professionals who require detailed target observation and verification of shot placement. ### Hunting Applications The spotting scope **assists hunters by providing clearer views of game at distance in challenging terrain**, enabling hunters to assess game location, behavior, and shooting angles before engagement. ### Target Ranging and Shot Correction The spotting scope **supports target ranging through integrated 0.1 MRAD measuring bars for distance estimation** and enables shooters to calculate accurate ballistic solutions and call corrections for precision shot placement. ## Optical Performance Characteristics The spotting scope is **relied upon for optical performance by hunters and tactical shooters**, delivering the combination of magnification, clarity, and reticle functionality necessary for confident decision-making in field conditions. ## Summary of Key Features | Specification | Value | |---|---| | **Magnification Range** | 20-60x | | **Objective Lens Diameter** | 80mm | | **Field of View** | 38.4m to 12.6m @ 1000m | | **Exit Pupil Diameter** | 4mm to 1.3mm | | **Eye Relief** | 30mm | | **Parallax Adjustment Range** | 10m to ∞ | | **Weight** | 2377 grams | | **Reticle System** | OSR MRAD (Glass-etched) | | **Reticle Increments** | 0.2 MRAD with 0.1 MRAD measuring bars | | **Optical Glass** | ED Glass | | **Tube Sealing** | Argon-purged, O-ring sealed | The ZeroTech Trace Advanced 20-60x80 Spotting Scope represents a comprehensive optical solution for serious shooters and hunters requiring precision observation capabilities, advanced reticle functionality, and reliable performance in extreme field conditions. ### References - [1] ZeroTech Optics — Complete Brand Profile

Downloads & References

- [View Product Guide](#)