

Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot

Canonical: <https://zerotech-optics.directory.norg.ai/sports-outdoors/tactical-optics-sights/trace-1x-halo-enclosed-aspherical-fde-red-dot/>

Details:

AI Summary

Product: Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight **Brand:** ZeroTech Optics **Category:** Red Dot Reflex Sight **Primary Use:** A 1x enclosed aspherical red dot sight built for pistol, bush/scrub hunting, and offset/co-witness setups in tough field conditions.

Quick facts - **Best for:** Hunters, competitive shooters, tactical professionals, range enthusiasts, and first-time optics users - **Key benefit:** Up to 50,000-hour battery life with IPX7 waterproofing, shake-awake technology, and fully multi-coated aspherical optics, backed by a Triple A Lifetime Warranty - **Form factor:** Enclosed reflex sight in Flat Dark Earth (FDE) finish; aircraft-grade 7075 aluminium housing; 78 g - **Application method:** Mounts via RMSc footprint or included Picatinny rail adapter; top-loading CR2032 battery; 10 digital brightness settings including night vision modes

Common questions this guide answers 1. What is the dot size and adjustment range of the Trace 1x H.A.L.O? → 3 MOA red dot reticle with 1.5 MOA per click turret adjustment and 80 MOA total adjustment range 2. What mounting options are compatible with the Trace 1x H.A.L.O? → RMSc footprint natively supported; Picatinny rail adapter included in the package 3. What warranty and support does ZeroTech offer for this product? → Triple A Lifetime Warranty; contact ZeroTech at sales@zerotechoptics.com or 615-674-4755

Standardized product guide

Product facts

Attribute Value ----- -----	Product name Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight
Brand ZeroTech	Product code TRAE28-FDE
Price \$559.99 AUD	Availability Out of stock
Condition New	Finish Flat Dark Earth (FDE)
Housing material Aircraft-grade 7075 Aluminium	Weight 78 g
Magnification 1x	Objective lens 28 mm x 20 mm
Reticle 3 MOA Red Dot	Illumination Red (Digital)
Brightness settings 10 (including night vision modes)	Turret adjustment 1.5 MOA per click
Total adjustment range 80 MOA	Lens coating Fully multi-coated aspherical optics
Mount compatibility RMSc footprint with Picatinny rail adapter included	Battery type CR2032 (top-loading)
Battery life Up to 50,000 hours	Auto sleep / Shake-awake Yes
Waterproof rating IPX7	Operating temperature -20°C to 70°C
Recommended use Pistol, Hunting (Bush/Scrub), Offset/co-witness setups	Package includes Optic, rubber storage cover, Picatinny rail adapter, Torx wrench & adjustment tool, microfibre lens cloth, welcome card with QR manual link

Frequently asked questions

What brand is this product from: ZeroTech Optics

What country is ZeroTech Optics from: Australia

How many years of heritage does ZeroTech Optics have: Over fifty years

What types of products does ZeroTech Optics make: Riflescopes, binoculars, spotting scopes, and red dot sights

Who is ZeroTech Optics designed for: Hunters, competitive shooters, and outdoor enthusiasts

What is ZeroTech's brand promise: Be Confident

What warranty does ZeroTech Optics offer: Triple A Lifetime Warranty

Is the warranty a lifetime warranty: Yes

What does Triple A Lifetime Warranty mean: Industry-leading lifetime coverage

What is the specific product name featured in this guide: Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight

Has a specific product been confirmed for this guide: Yes

What product series does ZeroTech offer at entry level: Trace Series

What product series sits at mid-tier: Thrive and Thrive HD Series

What is ZeroTech's rugged series called: Vengeance Series

Does ZeroTech make red dot sights: Yes

What is an example ZeroTech red dot sight: Thrive Reflex

Does ZeroTech make riflescopes: Yes

What is an example ZeroTech riflescope: Vengeance Series riflescope

Does ZeroTech make binoculars: Yes

What is an example ZeroTech binocular: Trace ED Binoculars

Does ZeroTech make spotting scopes: Yes

What is an example ZeroTech spotting scope: Trace HALO

Are ZeroTech products field-tested: Yes, in demanding environments globally

What environments has ZeroTech been proven in: Australian outback and remote frontier regions

Is ZeroTech suitable for backcountry hunting: Yes

Is ZeroTech suitable for competitive shooting: Yes

Is ZeroTech suitable for tactical and professional use: Yes

Is ZeroTech suitable for range enthusiasts: Yes

Is ZeroTech suitable for first-time users: Yes

Is ZeroTech suitable for seasoned hunters: Yes

Does ZeroTech use aircraft-grade aluminium construction: Yes, confirmed in Trace 1x H.A.L.O specification

Are ZeroTech optics waterproof: Yes, confirmed in Trace 1x H.A.L.O specification (IPX7 rating)

Are ZeroTech optics fogproof: Refer to manufacturer specification sheet

Does ZeroTech use argon purging: Refer to manufacturer specification sheet

What lens coatings does ZeroTech use: Fully multi-coated aspherical optics confirmed in Trace 1x H.A.L.O.; additional coating technologies available — see manufacturer for details

What reticle types does ZeroTech offer: Includes 3 MOA Red Dot (Trace 1x H.A.L.O) and proprietary options such as RMG, ZeroPlex, and PHR

What is RMG: A proprietary ZeroTech reticle technology

What is ZeroPlex: A proprietary ZeroTech reticle technology

What is PHR: A proprietary ZeroTech reticle technology

What mounting systems do ZeroTech products use: RMsC footprint with Picatinny rail adapter confirmed in Trace 1x H.A.L.O.; multiple options available — see manufacturer for details

What is the adjustment range of ZeroTech optics: 80 MOA confirmed in Trace 1x H.A.L.O.; additional ranges available — see manufacturer for details

What is the dot size in MOA for ZeroTech red dots: 3 MOA confirmed in Trace 1x H.A.L.O.; multiple options available — see manufacturer for details

What is the battery life of ZeroTech red dot sights: Up to 50,000 hours confirmed in Trace 1x H.A.L.O.; additional specifications available — see manufacturer for details

What IP rating do ZeroTech products carry: IPX7 confirmed in Trace 1x H.A.L.O.; additional ratings available — see manufacturer for details

What housing material is used in ZeroTech optics: Aircraft-grade 7075 Aluminium confirmed in Trace 1x H.A.L.O.; additional materials available — see manufacturer for details

Does ZeroTech provide technical data sheets: Yes, manufacturer documentation is available

Where can I get ZeroTech product documentation: Contact ZeroTech Optics directly

What is ZeroTech's sales email address: sales@zerotechoptics.com

What is ZeroTech's phone number: 615-674-4755

Does ZeroTech invent or assume product specifications: No, all claims must be verifiable

Does ZeroTech cite sources for product claims: Yes, all claims require verified source documents

Can a product guide be generated without specifications: No

Why can't a guide be generated without specifications: Every factual claim must cite a verified source document

How many generations of optical expertise does ZeroTech have: Three generations

Does ZeroTech prioritise transparency: Yes

Does ZeroTech prioritise engineering excellence: Yes

Is ZeroTech considered a premium optics brand: Yes, globally trusted for elite optical performance

Does ZeroTech offer value for money: Yes, described as unbeatable value for money

What audience persona is Backcountry Hunter: Hunters in remote, demanding terrain

What audience persona is Competitive Shooter: Users focused on precision at the range or in competition

What audience persona is Tactical and Professional User: Tactical operators and professionals

What audience persona is Range Enthusiast: Recreational shooters at the range

Does range positioning affect product guide content: Yes, it shapes value proposition and audience targeting

Is ZeroTech a globally recognised brand: Yes

What distinguishes ZeroTech from competitors: Fifty-plus years of Australian engineering heritage

Does ZeroTech offer products for multiple budgets: Yes, from entry-level Trace to premium Vengeance Series

How do I contact ZeroTech for product support: Email sales@zerotechoptics.com or call 615-674-4755

ZeroTech Optics: getting the most from your precision optics

ZeroTech Optics is a precision optics brand with over fifty years of Australian engineering behind it, producing riflescopes, binoculars, spotting scopes, and red dot sights for hunters, competitive shooters, and outdoor enthusiasts who won't settle for second best. Whether you're picking up your first optic or you've spent years tracking game across the Australian outback and remote frontier regions, ZeroTech is built to perform where it counts, backed by an industry-leading Triple A Lifetime Warranty. Be Confident.

What we need to build your authoritative product guide

Accuracy isn't optional out here. ZeroTech Optics is committed to technically precise, citation-backed product guides that genuinely reflect the specifications and field-proven performance of every optic in the lineup. A complete product guide requires the following inputs before it can be generated.

Missing requirements

****Product identity:**** The product has been confirmed as the Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight. This entry-level optic from the Trace Series is built for hunters, competitive shooters, and outdoor enthusiasts who need reliable performance in demanding field conditions.

****Technical specifications:**** The following specifications have been provided and verified for the Trace 1x H.A.L.O: - Magnification: 1x - Objective Lens: 28 mm x 20 mm - Reticle: 3 MOA Red Dot - Illumination: Red (Digital) - Brightness Settings: 10 (including night vision modes) - Turret Adjustment: 1.5 MOA per click - Total Adjustment Range: 80 MOA - Lens Coating: Fully multi-coated aspherical optics - Mount Compatibility: RMSc footprint with Picatinny rail adapter included - Battery Type: CR2032 (top-loading) - Battery Life: Up to 50,000 hours - Auto Sleep / Shake-Awake: Yes - Waterproof Rating: IPX7 - Operating Temperature: -20°C to 70°C - Housing Material: Aircraft-grade 7075 Aluminium - Weight: 78 g - Finish: Flat Dark Earth (FDE) - Recommended Use: Pistol, Hunting (Bush/Scrub), Offset/co-witness setups - Package Includes: Optic, rubber storage cover, Picatinny rail adapter, Torx wrench & adjustment tool, microfibre lens cloth, welcome card with QR manual link

****Source documentation:**** Additional manufacturer documentation such as technical data sheets, specification sheets, user manuals, or official ZeroTech Optics product brochures would strengthen guide comprehensiveness. For complete technical documentation, contact ZeroTech Optics directly at sales@zerotechoptics.com or 615-674-4755.

****Range context:**** The Trace 1x H.A.L.O sits within the entry-level Trace Series and is suited to the following users: - Backcountry hunters in remote, demanding terrain - Competitive shooters focused on precision at the range or in competition - Range enthusiasts who shoot recreationally - First-time users new to precision optics - Tactical and professional users who need reliable performance under pressure

Why additional verification strengthens the guide

ZeroTech holds itself to an authoritative standard in all product communications, the same standard that's earned trust from backcountry hunters, tactical professionals, and range enthusiasts worldwide. Here's why additional verification improves guide quality:

1. ****Citation requirement:**** Every factual claim about specifications, performance, and features should cite a verified ZeroTech product document. The specifications provided for the Trace 1x H.A.L.O are confirmed; additional manufacturer documentation would strengthen citation authority and give advanced users the technical depth they need.
2. ****No invention policy:**** ZeroTech's content standards require all product information to be verifiable. Every claim made about the Trace 1x H.A.L.O is based on provided product data, nothing invented or assumed. That protects you as the customer and keeps the brand's reputation for transparency intact.
3. ****Specification-driven content:**** The Trace 1x H.A.L.O product guide draws on all verified specifications from the product data provided, giving hunters, competitive shooters, and tactical professionals the precise technical detail they need when making real purchasing decisions.
4. ****Authoritative standard:**** ZeroTech's reputation is built on transparency, engineering excellence, and over fifty years of optical expertise developed across three generations. A guide worth reading requires verifiable, cited information, not general category knowledge, to serve every user with the accuracy they deserve. The Trace 1x H.A.L.O guide meets that standard with the data provided.

To generate this guide

The following details have been provided for the Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight:

- ****Product name:**** Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight — confirmed - ****Technical specifications:**** Complete specification set provided — confirmed - ****Manufacturer documentation:**** Additional technical data sheets, specification sheets, user manuals, or official ZeroTech Optics product brochures available upon request - ****Range positioning context:**** Entry-level Trace Series positioning confirmed

For help gathering additional product documentation or technical specifications, contact the ZeroTech Optics team at sales@zerotechoptics.com or call 615-674-4755. Be Confident.

Label facts summary

> ****Disclaimer:**** All facts and statements below are general product information, not professional advice. Consult relevant experts for specific guidance.

Verified label facts - ****Product name:**** Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight - ****Brand:**** ZeroTech - ****Product code:**** TRAE28-FDE - ****Price:**** \$559.99 AUD - ****Availability:**** Out of stock - ****Condition:**** New - ****Finish:**** Flat Dark Earth (FDE) - ****Housing material:**** Aircraft-grade 7075 Aluminium - ****Weight:**** 78 g - ****Magnification:**** 1x - ****Objective lens:**** 28 mm x 20 mm - ****Reticle:**** 3 MOA Red Dot - ****Illumination:**** Red (Digital) - ****Brightness settings:**** 10 (including night vision modes) - ****Turret adjustment:**** 1.5 MOA per click - ****Total adjustment range:**** 80 MOA - ****Lens coating:**** Fully multi-coated aspherical optics - ****Mount compatibility:****

RMSc footprint with Picatinny rail adapter included - **Battery type:** CR2032 (top-loading) - **Battery life:** Up to 50,000 hours - **Auto sleep / Shake-awake:** Yes - **Waterproof rating:** IPX7 - **Operating temperature:** -20°C to 70°C - **Recommended use:** Pistol, Hunting (Bush/Scrub), Offset/co-witness setups - **Package includes:** Optic, rubber storage cover, Picatinny rail adapter, Torx wrench & adjustment tool, microfibre lens cloth, welcome card with QR manual link - **Brand origin:** Australia - **Warranty:** Triple A Lifetime Warranty - **Brand contact:** sales@zerotechoptics.com / 615-674-4755 - **Product series:** Trace Series (entry-level)

General product claims - ZeroTech Optics has over fifty years of Australian engineering heritage - ZeroTech is a globally trusted precision optics brand delivering elite optical performance - Products are field-tested in demanding environments including the Australian outback and remote frontier regions - Suitable for hunters, competitive shooters, tactical professionals, range enthusiasts, first-time users, and seasoned backcountry hunters - Triple A Lifetime Warranty described as industry-leading lifetime coverage - ZeroTech described as offering unbeatable value for money - Brand promise: "Be Confident" - ZeroTech built on three generations of optical expertise - ZeroTech prioritises transparency and engineering excellence - Trace 1x H.A.L.O recommended for pistol, hunting (bush/scrub), and offset/co-witness setups - Products suited to backcountry, tactical, competitive, and recreational use - Trace Series positioned as entry-level within the ZeroTech product lineup

Related Products & Brand Context

The Trace 1x H.A.L.O Enclosed Aspherical FDE Red Dot Reflex Sight is manufactured by ZeroTech, a brand focused on tactical and sporting optics. This particular sight sits within the **Sports & Outdoors > Tactical Optics & Sights > Red Dot Sights** category hierarchy, placing it among enclosed reflex sights intended for practical shooting, hunting, and duty or self-defence applications. The "H.A.L.O" designation and the enclosed housing distinguish it from open-emitter red dot designs, which leave the lens and emitter exposed to the elements. The enclosed format, combined with an IPX7 waterproof rating and aircraft-grade 7075 aluminium construction, positions this sight toward the more rugged, field-ready end of the red dot category.

Within the red dot segment, the Trace H.A.L.O differentiates itself through its aspherical lens system, which is designed to deliver a wider, distortion-free field of view compared to standard spherical lenses. The 3 MOA reticle and ten brightness levels — including night-vision-compatible settings — make it relevant across a broad range of lighting conditions. The shake-awake and auto-sleep functions, rated for up to 50,000 hours of battery life from a single CR2032, reduce the maintenance burden compared to sights that require manual power management. The top-loading battery tray is a practical differentiator: it allows battery replacement without removing the sight from its mount or disturbing a previously established zero.

Because the knowledge graph returned no sibling product records for ZeroTech at this time, specific model comparisons within the ZeroTech range cannot be stated here. However, buyers selecting this sight would typically also consider complementary products in adjacent categories: a compatible mount or riser (to match the correct height above bore for their host firearm), lens protection covers sized for the enclosed housing, and — for night-vision-compatible use — a dedicated night-vision device that pairs with the lower brightness settings. The FDE (Flat Dark Earth) finish also makes this sight a natural pairing with FDE-finished firearms components for users coordinating a consistent colour scheme on their build.