

# COA™ R

The Aimpoint® COA™ R red dot sight is developed for rifle use and hunting, offering a compact red dot solution designed for longer shooting distances and varied field conditions. It retains the COA platform's low weight, tubeless construction, and rapid target acquisition while providing a configuration suited to dynamic hunting scenarios that require precision and quick follow-up shots.

The COA R model is mounted using a mounting plate that converts A-Cut™ footprint into a Micro™ compatible platform. This allows COA R to benefit from the same mechanically locked interface while remaining compatible with existing MICRO mounts.

**COA R is the natural choice for hunters seeking COA performance on a rifle.**

ITEM NO.	PA000669
DOT SIZE	3.5 MOA
BATTERY	1 x CR2032 Lithium 3 V
BATTERY LIFE	5 years (50,000 hours)



**CRISP RETICLE**  
3.5 MOA for fast and precise aiming.



**FLUSH-MOUNTED WINDAGE & ELEVATION ADJUSTMENTS**  
Clicks you can hear and feel with each turn.  
Easily zeroed with the included T10 Allen key.



**PROFESSIONAL-GRADE DURABILITY**  
Aluminum housing. Waterproof to 5 m / 15 ft.  
Optimized for hunting rifles.



**OPERATIONAL BATTERY LIFE**  
Up to 5 years of continuous operation  
on one CR2032 battery.



**NIGHT VISION COMPATIBILITY**  
12 brightness settings including 4 NVD-compatible levels.



**INTUITIVE DESIGN**  
Side-loading battery, no dismount from the weapon needed.  
Ultra-compact.



**HIGH TECH COATED LENSES**  
Fully enclosed optic protects the optical system from  
environmental factors.



**MOUNTING SOLUTION**  
COA R is mounted using a dedicated mount plate (#PA000700) that  
converts the A-CUT into a Micro™ interface compatible surface.  
Compatible with all MICRO mounting solutions and third-party mounts.

# COA™ R

## TECHNICAL SPECS



### OPTICAL SPECIFICATIONS

**Parallax:** Operationally parallax free - No centering required  
**Operating Principle:** Reflex collimator sight with LED  
**Magnification:** 1X - No magnification  
**Dot Size:** 3.5 MOA  
**Dot Color:** Red  
**Light Source Wavelength:** 650 nm red light  
**NVD Compatible:** Yes

**Optical Signature:** No optical signature is visible at 10 meters distance, front side, on appropriate settings with NVD  
**Optical Coating:** Anti-reflex, all surfaces, and multi-layer coating objective lens  
**Transmission:** Average > 80% in the range 425 - 610 nm  
**Clear Aperture:** 15 × 15 mm / 0.59 × 0.59 in  
**Eye Relief:** Unlimited

### POWER SOURCE SPECIFICATIONS

**Battery Type:** 1 x CR2032 Lithium 3 V  
**Battery Life:** 5 years (50,000 h) of continuous use at daylight setting 7 (15,000 Lux, room temperature)

**Power Intensity:** 4 NVD and 8 Daylight, of which 1 extra bright  
**Start Setting Position:** 8 of 12  
**Power Switch:** Push buttons

### PHYSICAL SPECIFICATIONS

**Size L x W x H (sight only):** 45 x 28 x 30 mm / 1.8 x 1.1 x 1.2 in  
**Weight (sight only):** 48 g / 1.7 oz  
**Housing Color:** Black  
**Housing Finish:** Anodized, semi-matte  
**Housing Material:** 7075-T6 High strength aluminum  
**Height of Optical Axis:**  
 16.1 mm / 0.63 in from bottom of sight to optical center

**Adjustment Range:** ±1 m at 100 m / ±1 yd at 100 yd in windage and elevation  
**Adjustment:** 1 click =  
 - **Windage:** 1.0 MOA / 0.29 Mrad = 1.0 in at 100 yd / 30 mm at 100 m  
 - **Elevation:** 0.7 MOA / 0.20 Mrad = 0.7 in at 100 yd / 20 mm at 100 m

### ENVIRONMENTAL SPECIFICATIONS

**Submersible:** 5 m / 15 ft  
**Temperature Range Operation:** - 32°C to + 60°C / - 26°F to +140°F  
**Temperature Range Storage:** - 33°C to + 71°C / - 27°F to + 160°F  
**Temperature Shock:** Operable after a temperature shock between - 33°C and + 71°C (- 27°F and + 160°F)  
**Humidity:** Operable during and after Humidity. Limits: RH: 95%, Temperature: + 21°C to + 41°C / + 70°F to + 106°F, cyclic

**Vibration:** Withstands Vibration. Limits: Vibration, sinusoidal in a frequency range of 10 - 150 Hz. Frequency: 10 - 30 Hz, ±1.587 mm, Frequency: 30 - 150 Hz, 5.75 g, 1 octave/min. Direction: X, Y and Z, Time: 30 min/direction.  
**Chemical Resistance:** Withstands occasional contamination by weapons cleaners, lubricants, fuels, and insect repellents

### MOUNTING SPECIFICATIONS

**Mounting Solution:** Integrated A-CUT™ interface; requires COA™ R mount plate Micro™ conversion kit (#PA000700) and a MICRO mount compatible with weapon platform

**Torque - Wedge to Mount Plate:** 2.0 nm / 17.7 in-lb (clean threads, cross-tighten)  
**Torque - Battery Tray:** MAX. 1.0 Nm / 8.8 in-lb (0.74 ft-lb)

● Performance from Trust™

Visit the Aimpoint websites for more Item No. specific technical details, [aimpoint.com](http://aimpoint.com)  
 All specifications are typical and subjects to change without notice.  
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