

COA™

The Aimpoint® COA™ is a purpose-built pistol red dot sight for fast, instinctive shooting and discreet carry. Its ultra-compact, tubeless design minimizes visual obstruction and ensures rapid target acquisition - ideal for concealed carry where size and weight matter. COA mounts via the slide-integrated A-CUT™ interface, creating a secure mechanical lock without screws entering the housing. This keeps the optic low, aligned, and stable under recoil. Featuring a crisp 3.5 MOA dot and unlimited eye relief, COA delivers an intuitive aiming solution for speed, simplicity, and consistent performance.

COA will be available through OEM integrations from leading pistol manufacturers, and mount plate solutions for selected models will follow, making the platform more accessible than ever. Installation on existing pistols requires licensed gunsmiths, supported by Aimpoint's professional gunsmith licensing program.

ITEM NO.	PA000489
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
7075-T6 Aluminum housing. Waterproof to 25 m / 80 ft. Built to withstand extreme recoil and harsh conditions.



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.



TACTICAL DESIGN
Side-loading battery, no dismount from the weapon needed. Ultra-compact, sleek design enables fast unholstering under concealment.



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



FIELD-READY MOUNTING SYSTEM
A-CUT™ interface delivers ultra-stable, low-profile, co-witness optic mounting—directionally locked in all six degrees of freedom.

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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: 25 m / 80 ft
Temperature Range Operation: -45°C to +73°C / -49°F to +163°F
Temperature Range Storage: -51°C to +75°C / -60°F to +167°F
Temperature Shock: Operable after a temperature shock between -45°C and +71°C / -49°F and +160°F
Humidity: Operable during and after humidity. Limits: RH: 95%, Temperature: +30°C to +60°C / +86°F to +140°F, cyclic

Shock: Tested with 40,000 rounds, 9 mm Gecco 124 grains mounted on a G45 pistol slide
Vibration: Withstands Vibration. Operational after Minimum Integrity Test (according to MIL_STD-810G, 514.6E-1 Category 24) for a duration of 60 minutes per axis (x, y, z).
Chemical Resistance: Withstands occasional contamination by weapons cleaners, lubricants, fuels, and insect repellents

MOUNTING SPECIFICATIONS

Mounting Solution: Integrated A-CUT™ interface

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

● Performance from Trust™

Visit the Aimpoint websites for more Item No. specific technical details, aimpoint.com
All specifications are typical and subjects to change without notice.
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