

ADVANCED COMBAT OPTICAL GUNSIGHTS 4x32, 3.5x35 & 5.5x50

Any Light Aiming Specialist.

The Advanced Combat Optical Gunsights (ACOG) are internally adjustable, compact telescopic sights with tritium illuminated reticle patterns designed for use in low light or at night. Bindon Aiming Concept (BAC)* models feature bright daytime reticles using fiber optics which collect ambient light. The ACOG's combine traditional, precise distance marksmanship with close-in aiming speed. Although the ACOGs have many features which are very advantageous for military use, they were developed by Trijicon without government funding.

Designed for use with the M16 family of firearms, every feature of the ACOG's mechanical and optical design was chosen for a single purpose: to provide increased hit potential in all lighting conditions – without the use of failure-prone batteries.

Service History

The ACOG has set the standard for military aiming optics.

- The ACOG 4x32 was tested in the Advanced Combat Rifle (ACR) program conducted by the U.S. Army in 1989. An ACOG was mounted on the rifle that was used as a benchmark in the test, and several contractors incorporated the ACOG on their proposed advanced weapons.

- Since its introduction in 1991, the ACOG 3.5x35 has been very popular with users concerned with combining long range accuracy with quick shot placement on moving targets. The 3.5x35, the first model available with the advanced Bindon Aiming Concept (BAC)*, makes this possible.

- A special model 4x32 (TA01NSN) was chosen by the U.S. Special Operation Command (SOCOM) as standard issue for all Special Forces units including the Green Berets, Navy Seals, and U.S. Army Rangers. (National Stock Number [NSN] 1240-01-412-6608).

- The ACOG went on to be used successfully by U.S. military units in

El Salvador, Panama and Desert Storm. The TA01NSN and TA31 were used intensively by Special Forces, Marines and the Army in Operation Anaconda (the War on Terrorism in Afghanistan) and Operation Iraqi Freedom.

- ACOGs are currently in use by many federal, state and local law enforcement agencies as well as in the civilian market.

Advantages

- BAC* models can be used for both-eyes-open “instinctive” aiming for faster target acquisition.

- For the military, the ACOG combines the benefits of magnified aiming with a compact and rugged design. This allows the soldier to selectively take out enemy ground troop leaders while reducing the likelihood of fratricide.

- The ACOG is ideal due to its high degree of discrimination, even among multiple moving targets.

- The ACOG's compact and rugged design makes it a valuable addition to any rifle.

*Bindon Aiming Concept (BAC)

The highly advanced Bindon Aiming Concept is an optical breakthrough that combines traditional long-stand-off marksmanship capability with the ultimate in close combat transitional aiming. Using the both-eyes aiming method, when the weapon is being moved, the perceived image is unmagnified, permitting extremely rapid target acquisition. As soon as the weapon movement is stopped and the shooter is close to the proper aim on target, the targeted image “zooms” into magnification, permitting greater shooting accuracy with higher hit ratios. This is particularly useful for moving targets or for targets in dense cover.

Stronger by design

The ACOG 4x32, 3.5x35 and 5.5x50 have been successfully tested beyond military requirements. Tests include exposure to

temperature extremes, salt spray, fog, fungus, humidity, water depth, sand, dust, shock, vibration and free-fall drop onto a hard surface. It is designed to withstand an impact of 8000 g's.

A perfect match

Although the ACOG is a great addition to virtually any military or civilian rifle, it's an ideal match for rifles in the M16/AR15 family for which it was originally designed. A hole through the AR15/M16 integral base permits use of the iron sights without removal of the scope from the carry handle. Several flattop and other popular rifle adapters are available.

Dependable with high performance

The user does not need to make any special adjustments between shots at different ranges. Ranging for the 4x32, 3.5x35 and 5.5x50 is already built into the reticle pattern which is parallax-free along its vertical axis. The width of the horizontal lines corresponds to the width of a 19-inch silhouette at that range.



FEATURES AND BENEFITS

• **Eye-friendly advantage** Conventional riflescopes offer only a tiny exit pupil, requiring careful eye positioning directly behind the eyepiece. ACOG provides maximum eye latitude behind the eyepiece for easier target acquisition. This greater aiming freedom is particularly important in stressful field situations requiring quick aiming.

• **Multi-coated lenses** provide maximum optical performance.

• **Forged 7075-T6 aircraft aluminum alloy housing**, precision machined to exacting tolerances and hard-anodized to match the upper and lower receiver of the M16 rifle.

• **Internally adjustable.** Because only the prism housing moves, the ACOG is much more rugged than conventional designs.

• **Aerospace seals** make the ACOG waterproof to Navy Seal depths.

• **The strongest design.**

• **The ultimate scope.**

• **Proudly made in the USA.**

• **Longer eye relief** accommodates large caliber ammunition such as 7.62 NATO.

• **Fiber Optic Daylight Collector** causes the reticle to glow brightly during the day so it can be clearly seen, and less brightly in low-light conditions to reduce contrast that can interfere with target acquisition.

TA11
(3.5X35)

• **The standard, fine crosshair reticle** is black in the daytime and tritium illuminated (either red or amber) at night. Advantageous in military and police applications for counter-sniper precision aiming.

TA01
(4X32)

• **Iron sight see-through.** For AR15 and M16 carry handle models, a hole in the ACOG base allows iron sight use.

Standard ranging reticles are calibrated for .223 (5.56mm). Model numbers TA01B and TA11C are calibrated for .308 (7.62mm).

TA55 ACOG

Long range accuracy and dual illumination in a powerful 5.5x50 model.

Trijicon has beefed up its ACOG line with the addition of a dynamic 5.5x50 model: the TA55. The powerful 5.5-power scope is specifically designed for a variety of medium and long range shooting applications up to 1200 meters including military and law enforcement sniper operations. The big 50mm objective lens provides a bright, vivid sight picture.

In addition to powerful magnification and a wide field of view, the TA55 ACOG also features:

- Bindon Aiming Concept (BAC) Capable
- Dual Illumination Technology
- Chevron Reticle, an exclusive design that helps ensure quick target acquisition and pinpoint precision
- Range-Finding Stadia Lines
- Optically designed for use on AR15/M16 flattop rifles
- Calibrated to accommodate bullet drop, thereby eliminating the need for mechanical elevation adjustments
- Available in either .223 or .308 caliber



SPECIFICATIONS:

	3.5x35	4x32	5.5x50
Magnification x	3.5	4	5.5
Objective Lens (mm)	35	32	50
Eye Relief (in)	2.4	1.5	2.2
Exit Pupil (mm)	10	8	9.1
Field of View (deg)	5.5	7.0	3.5
Length (in)	8.0	5.8	12
Weight (oz)	14.0	9.9	25.6 w/mt
Field of View @ 100 yds (ft)	28.9	36.8	18.4
Adjustment (clicks/in @ 100 yds)	4	3	7

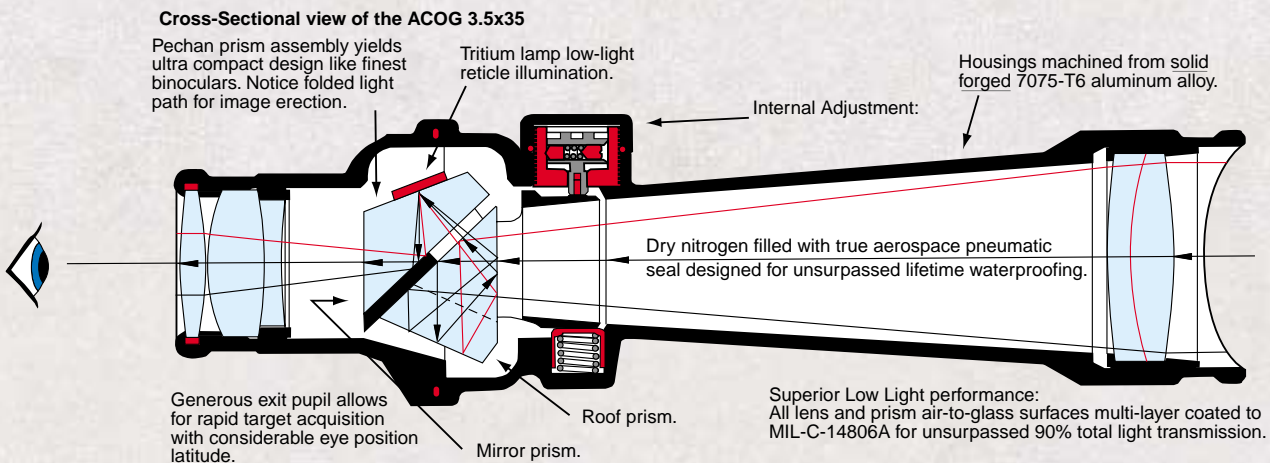


RETICLE OPTIONS

All reticle patterns are parallax free along the ranging axis. Ballistic correction in the reticle eliminates the need for external bullet drop compensation.

4x32		3.5x35 and 4x32 BAC	3.5x35, 4x32 BAC and 5.5x55	
TA01 TA01B		TA11 TA11C TA31	TA31F TA11E TA11F	TA55 TA55A
	DAY	DAY OR NIGHT	DAY OR NIGHT	DAY OR NIGHT
		4 MOA Outside Diameter 2 MOA Inside Diameter Donut		
TA01NSN TA01C (red)		TA11D TA31A		
	DAY	DAY OR NIGHT		
		4 MOA Triangle		

Silhouettes at 100 meters.



Note: Glyn A.J. Bindon invented the ACOG, which is protected by the following patents: US 4,806,007; Canada 1,305,341; France EP 0315379; Great Britain EP 0315379; Japan 2632976; South Africa 88/8185; Switzerland EP 0315379+NO; Austria EP 0315379 and Australia 605 076.

MFG. # DESCRIPTION (Red reticles are standard. To order an amber reticle, mark "Amber" on order.)

4x32 MODELS



TA01

- TA01 ACOG 4x32 Scope w/Full Line Red Illumination
- TA01B ACOG 4x32 Scope w/.308 Full Line Red Illumination
- TA01C ACOG 4x32 Scope w/Red Center Illumination
- TA01NSN ACOG 4x32 Scope w/Yellow Center Illumination for M4A1 with Flat Top Adapter, Backup Iron Sights and Dust Cover



TA01NSN

4x32 BAC MODELS



TA31

- TA31 ACOG 4x32 Scope w/Red Dual Illumination & Donut Reticle BAC-M16/AR15
- TA31A ACOG 4x32 Scope w/Red Dual Illumination Triangle Reticle BAC
- TA31F ACOG 4x32 Scope w/Red Chevron BAC Flattop Reticle, includes Flattop Adapter

3.5x35 MODELS (BAC STANDARD)



TA11

- TA11 ACOG 3.5x35 Scope w/Red Dual Illumination Donut Reticle BAC
- TA11C ACOG 3.5x35 Scope w/Red Dual Illumination .308 Donut Reticle BAC
- TA11D ACOG 3.5x35 Scope w/Red Dual Illumination Triangle Reticle BAC
- TA11E ACOG 3.5x35 Scope w/Red Chevron BAC .308 Flattop Reticle, includes Flattop Adapter
- TA11F ACOG 3.5x35 Scope w/Red Chevron BAC .223 Flattop Reticle, includes Flattop Adapter



TA11F-A

5.5x50 MODELS (BAC STANDARD)

- TA55 ACOG 5.5x50 Scope w/Red Chevron BAC Flattop .223 Reticle, includes Flattop Adapter
- TA55A ACOG 5.5x50 Scope w/Red Chevron BAC Flattop .308 Reticle, includes Flattop Adapter



TA55

ACOG MOUNTS



TA03

- TA03 ACOG Adapter for H&K Rifles
- TA04 ACOG Adapter for Special Receiver AUG
- TA12 ARMS® #19 Throw Lever Adapter for flattop rail
- TA13 ACOG Adapter for SIG 550 Rifle
- TA14 ACOG Adapter for Beretta 70/90 Rifle
- TA18 ARMS® #10 ACOG Multi-Position Channel Mount Thumb Screw
- TA51 ACOG Flattop Adapter for Colt Military Style Rail
- TA51S ACOG Flattop Special Adapter
- TA51W ACOG Flattop Weaver Adapter
- TA54 H&K Quick Release Mount provides Standard Picattiny flattop rail



TA18



TA12

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TA51
TA51W
TA51S



TA54

SIMPLE SCISSOR ACTION

ACOG ACCESSORIES



TA53

- TA28 ACOG External Windage Adjuster (factory installation required)
- TA29 ACOG External Elevation Adjuster (factory installation required)
- TA30 ACOG Extra Screw & Washer Set
- TA35 Rubber Eyepiece, 4x32 or 3.5x35
- TA52 Rubber Caps for 4x32
- TA53 ACOG Thumb Screw For M16 Handle Mounting; Replaces Hex Screw Below Handle
- TA57 Tenebraex® killFLASH® Anti-Reflection Device for 4x32 ACOG Scopes
- TA63 3.5x35 ACOG Scopecoat® protective cover
- TA64 4x32 ACOG Scopecoat® protective cover
- TA65 5.5x55 ACOG Scopecoat® protective cover



TA35



TA53



TA52

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