Trijicon®

Brilliant Aiming Solutions™

# Trijicon ACOG®




There's a reason the Trijicon ACOG® (Advanced Combat Optical Gunsight) was selected as the official medium-distance engagement optic of the U.S. Marine Corps and U.S. Special Operations Forces. And why more than one million have been produced. Each one is specifically engineered to provide increased hit potential in all lighting conditions, while also providing legendary durability and reliability.

1. Ruggedized forged housing delivers combat proven durability and reliability
2. Bindon Aiming Concept® (BAC) features both eyes open shooting for improved situational awareness
3. Battery free tritium/fiber optic illumination provides brilliant aiming point in any lighting, LED versions also available
4. BDC reticles available in most magnifications along with target-ranging reference points
5. Fixed magnifications available from 1.5x to 6x

## The Science of Brilliant®

At Trijicon, we are bound by a commitment to industry-leading research, design, and testing to seek innovative aiming solutions that constantly redefine "brilliant." That's why every Trijicon riflescope design is tested to the procedures below.

ALASKA TO AFRICA TESTED · IMMERSION TESTED · SOLID ZERO TESTED · VIBRATION TESTED · DROP TESTED

- **Alaska-to-Africa Temperature Tested**
  To ensure each family of riflescopes is ready for whatever our users put them through, we perform an "Alaska-to-Africa" temperature shock test with temps from -20°F to 140°F.
- **Immersion Tested**
  All models are immersion tested, and every riflescope is dry-nitrogen filled to eliminate internal fogging.
- **Solid Zero Tested**
  Our riflescopes are designed to hold their zero giving you the precision you need. Every model is subjected to 5,000 consecutive rounds, confirming no reticle shift has occurred.
- **Shock & Vibration Tested**
  All riflescope models are tested to withstand recoil and vibrational stresses without malfunction, so it can take a beating before, during, and after use.
- **Drop Tested**
  Because we don't believe every drop should be followed by a warranty claim, we drop test each riflescope design to check for durability.

**To learn more about The Science of Brilliant and Trijicon products, visit Trijicon.com/Science.**

# Features and Benefits

**A Always On, Always Ready**
Most ACOG® models are battery-free, featuring a tritium/fiber optic-illuminated reticle that atuomatically adjusts the brightness based on available light.

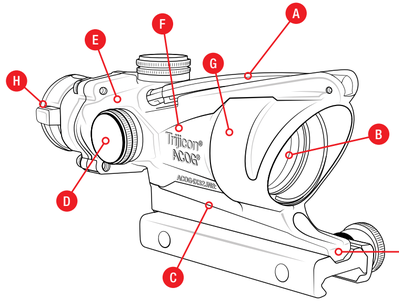
**B Outstanding Clarity**
The quality of the glass and multi-coated lenses maximizes light-gathering capabilities and clear field of view with zero distortion.

**C Rugged Aluminum-Alloy Housing**
Fixed-power design allows for minimal moving parts to create a nearly indestructible sighting system.

**D Exact Target Distances & Holds**
Most ACOG models feature a bullet dropcompensating and target-ranging reticle for decisive aiming.

**E Combat Proven**
No other magnified optic has been used more in combat than the ACOG.

**F Shock-Resistant**
Proven to withstand recoil from a .22LR to a .50BMG and everything in between. Easily passes U.S. Military drop test requirements.




**G Waterproof**
Exceptional waterproof performance. Dry nitrogen-filled to eliminate fogging and tested to perform in both extreme cold and heat.

**H "Both Eyes Open" Design**
Can be used as a CQB sight when shooting "both eyes open" using the Bindon Aiming Concept® (BAC) feature.

**OVER ONE MILLION**
ACOG® 4x32 riflescopes sold

Trijicon®
Brilliant Aiming Solutions™

ACOG® / RMR® combo available in 3x30, 3.5x35, 4x32, and 6x48



# Specifications



| | 1.5x16S (TA44 Series) | 1.5x24 (TA45 Series) | 2x20 (TA47 Series) | 3x24 (TA50 Series) | 3x30 (TA33 Series) | 3.5x35 (TA11 Series) | 3.5x35 LED (TA110 Series) | 4x32 (TA01 Series) | 4x32 BAC (TA31 Series) | 4x32 LED (TA02 Series) | 5.5x50 (TA55 Series) | 6x48 (TA648 Series) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Magnification** | 1.5x | 1.5x | 2x | 3x | 3x | 3.5x | 3.5x | 4x | 4x | 4x | 5.5x | 6x |
| **Objective Lens** | 16mm | 24mm | 20mm | 24mm | 30mm | 35mm | 35mm | 32mm | 32mm | 32mm | 50mm | 48mm |
| **Eye Relief** | 2.4 in. 61.0mm | 3.6 in. 91.4mm | 2.1 in. 53.3mm | 1.4 in. 35.6mm | 1.9 in. 48.3mm | 2.4 in. 61.0mm | 2.4 in. 61.0mm | 1.5 in. 38.1mm | 1.5 in. 38.1mm | 1.5 in. 38.1mm | 2.2 in. 55.9mm | 2.7 in. 68.6mm |
| **Exit Pupil** | 0.42 in. 10.7mm | 0.63 in. 16.0mm | 0.39 in. 10.0mm | 0.31 in. 8.0mm | 0.33 in. 8.4mm | 0.39 in. 9.9mm | 0.39 in. 10.0mm | 0.32 in 8.1mm | 0.32 in 8.1mm | 0.32 in 8.1mm | 0.36 in. 9.1mm | 0.32 in. 8.1mm |
| **Field of View** (in degrees) | 7.4° | 4.9° | 5.6° | 4.9° | 3.7° | 5.5° | 5.5° | 7.0° | 7.0° | 7.0° | 3.5° | 3.3° |
| **Field of View** | 39.0 ft. @ 100 yds. 12.9m @ 100m | 25.6 ft. @ 100 yds. 8.6m @ 100m | 29.31 ft. @ 100 yds. 9.8m @ 100m | 25.6 ft. @ 100 yds. 8.6m @100m | 19.3 ft. @ 100 yds. 6.5m @ 100m | 28.8 ft. @ 100 yds. 9.6m @ 100m | 28.8 ft. @ 100 yds. 9.6m @ 100m | 36.6 ft. @ 100 yds. 12.2 @ 100m | 36.6 ft. @ 100 yds. 12.2 @ 100m | 36.6 ft. @ 100 yds. 12.2 @ 100m | 18.3 ft. @ 100 yds. 6.1m @ 100m | 17.3 ft. @ 100 yds. 5.8m @ 100m |
| **Adjustments** (Per in. @ 100 yds.) | 2 clicks | 2 clicks | 2 clicks | 2 clicks | 4 clicks | 3 clicks | 3 clicks | 2 clicks | 2 clicks | 2 clicks | 5 clicks | 4 clicks |
| **Dimensions (L x W x H)** w/o Mount | 4.0 x 2.1 x 2.6 in. 102 x 53 x 66mm | 5.8 x 2.1 x 2.6 in. 147 x 53 x 66mm | 5.3 x 2.1 x 2.6 in. 135 x 53 x 66mm | 4.9 x 2.2 x 2.6 124 x 56 x 66mm | 6.2 x 2.2 x 2.6 in. 157 x 56 x 66mm | 8.0 x 2.1 x 2.9 in. 203 x 53 x 73mm | 8.0 x 3.0 x 2.6 in. 203 x 76 x 66mm | 5.98 x 2.0 x 2.3 in. 152 x 51 x 58mm | 5.98 x 2.0 x 2.3 in. 152 x 51 x 58mm | 5.98 x 2.0 x 2.3 in. 152 x 51 x 58mm | 12.0 x 2.5 x 2.7 in. 305 x 64 x 69mm | 9.0 x 2.9 x 3.4 in. 229 x 74 x 86mm |
| **Weight** w/ Mount & Battery (where applicable) | 7.2 oz. 204g | 8.4 oz. 238g | 8.5 oz. 241g | 8.2 oz. 232g | 9.8 oz. 278g | 17.6 oz. 499g | 20.8 oz. 590g | 15.6 oz. 442g | 14.9 oz. 424g | 17.5 oz. 497g | 25.6 oz. 726g | 36.9 oz. 1046g |
| **Illumination Source** | Fiber Optics & Tritium | Fiber Optics & Tritium | Fiber Optics & Tritium | Fiber Optics & Tritium | Fiber Optics & Tritium | Fiber Optics & Tritium | LED Powered by a single AA Battery | Tritium Only | Fiber Optics & Tritium | LED Powered by a single AA Battery | Fiber Optics & Tritium | Fiber Optics & Tritium |
| **Battery Life** | N/A | N/A | N/A | N/A | N/A | N/A | 12,000+ hours* | N/A | N/A | 12,000+ hours* | N/A | N/A |
| **Reticle Calibration** | .223 / 9mm | N/A | .223 / 9mm | .223 / 7.62x39 | .223 / .308 / 7.62x39 / 300 BLK | .223 / .308 / M193 / 300 BLK | .223 / .308 | .223 / .308 | .223 / .308 / M193 / 300 BLK / 6.8 SPC | .223 / 300 BLK | .223 / .308 | .308 / .50 BMG |

*When used at 70°F (21°C) on setting 4 of 6 with supplied alkaline battery. Extreme temperatures (high or low) will affect battery performance.*

# Available Reticles

### 1.5x16S



Circle Dot

### 1.5x24

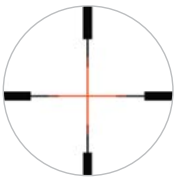


Triangle



Crosshair

### 2x20



Crosshair

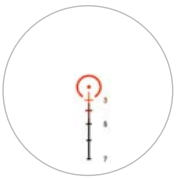


Triangle

### 3x24

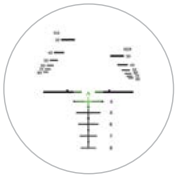


Crosshair



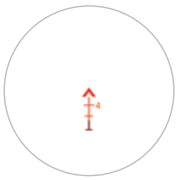
Horseshoe Dot

### 3x24 Crossbow

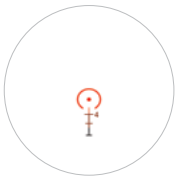


Chevron

### 3x30



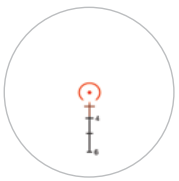
Chevron



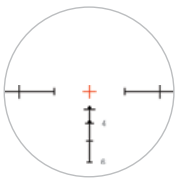
Horseshoe/Dot (5.56)



Crosshair

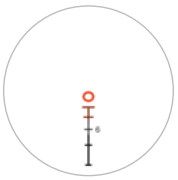


Horseshoe/Dot (7.62x39)

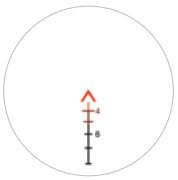


Crosshair (300BLK)

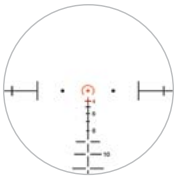
### 3.5x35



Donut



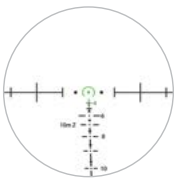
Chevron



Horseshoe/Dot



Crosshair



Horseshoe/Dot (M249)

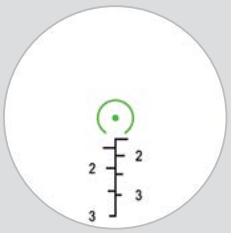
»NEW

## Trijicon ACOG® Compact TAC-R™ Reticles

Trijicon® applies the same engineering expertise to our reticles as every part of our optic designs. Our TAC-R™ series of reticles (Trijicon Advanced Combat Reticles) include numerous features such as BDC stadia lines, target-ranging markings, wind holds, and illumination (which aids both-eyes-open shooting).




RTR™ .223 Reticle
1.5x16S & 2x20 ACOG Models




RTR™ 9mm PCC Reticle
1.5x16S & 2x20 ACOG Models

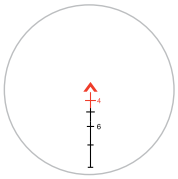
New to the TAC-R series is the RTR™ (Rapid Target Reticle) for the 1.5x16S and 2x20 ACOG® models. The RTR™ .223 reticle includes a bright fiber optic/tritium 3.25 MOA illuminated center dot and horseshoe, BDC holds to 700 yards for .223 REM 55gr. FMJ ammunition and a 14.5 in. barrel length, 7.5 MPH crosswind holds at 250 yards, and 19 in. width stadia lines for ranging.

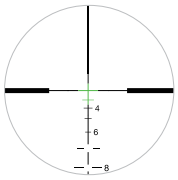
The RTR™ 9mm PCC reticle is designed for 9mm 115gr and 147gr. FMJ ammunition and an 8 in. barrel length. There is a bright fiber optic/tritium 3.25 MOA illuminated center dot with a horseshoe to aid in getting the reticle on target quickly. Sight the optic in at 50 yards and the stadia lines provides BDC holds out to 300 yards in addition to being 19 in. width to aid in ranging although they are staggered for the different drops.

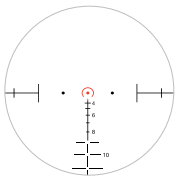
*Reticles not shown to scale. For a list of available reticles and to see a full view, please visit our website at Trijicon.com.*

# Available Reticles

## 3.5x35 LED


Chevron

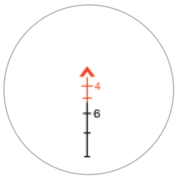

Crosshair

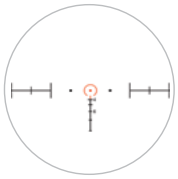

Horesehoe/Dot

## 4x32 LED


Crosshair


Crosshair (300BLK)

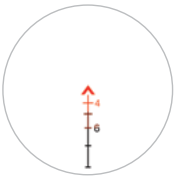

Chevron

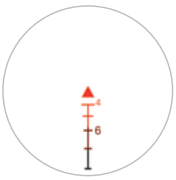

Horseshoe/Dot

## 4x32

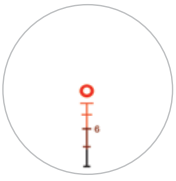

Center Illuminated Crosshair

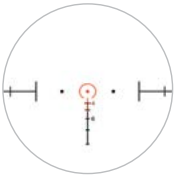
## 4x32 BAC

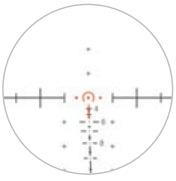

Chevron


Triangle

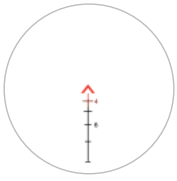

Crosshair


Donut


Horseshoe Dot


RCO

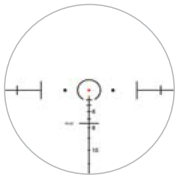
## 5.5x50

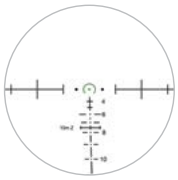

Chevron

## 6x48


Chevron (.308)


Chevron (.50)


Horseshoe/Dot (.308)


Horseshoe/Dot (M240)

*Reticles not shown to scale. For a list of available reticles and to see a full view, please visit our website at Trijicon.com.*

Trijicon®
Brilliant Aiming Solutions™

Trijicon.com/ACOG

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