


BARRETT FIREARMS

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OPTICS



OPTICS

LONG RANGE BASICS



LONG RANGE BASICS

BARRETT HISTORY



BARRETT HISTORY

RINGS



RINGS THAT ARE BUILT TO LAST

SCOPE RINGS **MSRP: \$200**

When selecting a mounting solution for your optics, strength and weight are two important considerations. The greater the overall weight of your complete optics system, the greater inertia (the tendency of a body to resist acceleration) it will have. When a gun is fired it recoils with instant acceleration, a heavy optics system mounted above the bore axis will resist the sudden rearward movement. A light weight, strong mount is the best way to combat unwanted sight movement during recoil.

	Barrett 7075 Aluminum	Others 1018 Steel	Results
Tensile Strength	83 ksi	64 ksi	25% stronger
Tensile Strength Yield	73 ksi	54 ksi	
Weight	8.32oz	11.52oz	25% Lighter

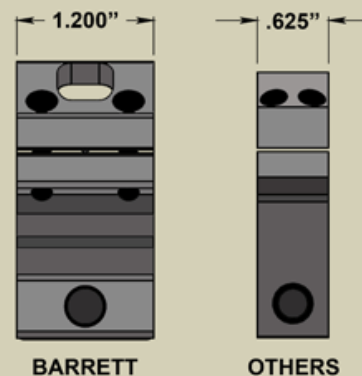
Barrett ZERO-GAP™ rings are constructed of high strength 7075-T6 aluminum. This material is ideal for the application due to its impressive strength; even more impressive strength to weight ratio when compared to heavier steels.

HOLDING AREA

Barrett Zero Gap rings are wider than typical rings at 1.2 inches. This creates a greater surface area of contact between the ring and scope maintube. The benefit is a secure grip on the optic that will hold up under heavy recoil. Along with this solid connection comes protection for your expensive scope. The broad clamping area spreads out the forces and reduces the likelihood of denting or distorting the scope tube. The same benefits in scope holding translate directly to the mounts ability to hold on the rail. More width in rail clamping area is better.

	Barrett	Other Guys	Results
Surface Gripping Area	8.192 inch ²	4.08 inch ²	Twice the effective Gripping Area
Width of Ring	1.2 inch	.625 inch	

Direct Side View
Holding Surface Area Measurements



HEAVY DUTY HARDWARE

The rail clamping cross bolt and nut are precision machined from hardened steel alloys. The cross bolt is securely pressed into the scope ring base and the end of the bolt is staked to retain the nut. The cross bolt is designed with a broad shoulder to perfectly interface with cross slots of mil spec 1913 rail to resist even the harshest recoil. The top cap of each ring is retained by four robust Torx screws placed with broad spacing to provide consistent and evenly distributed clamping force.

PRECISION AND TOLLORANCE

All critical features on Barrett ZERO-GAP rings are machined with great care. The 30mm bore will be exactly that with a diameter tolerance of plus or minus .002", perfect roundness and position in relation to the mounting rail. Angles and surfaces in the rail clamping feature of the lower ring are held to great positional tolerances to insure the scope is held centered when bolted up to the rail.

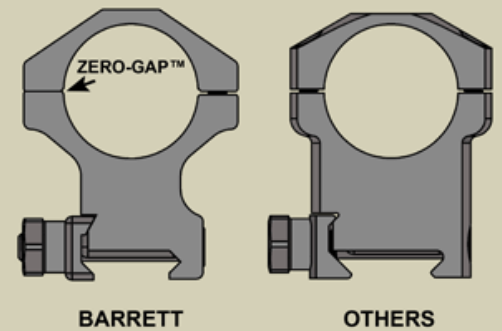
FIT AND FINISH

Every component of Barrett Zero Gap rings are carefully handled all the way to packaging. All edges are beautifully rounded to prevent snags and resist corner wear. The 7075 T6 components are hard anodize coated in black to mil spec MIL-A—8625 Type III Class 2 specification for superior surface hardness (60 Rockwell), and resistance to wear. Steel components are manganese phosphate coated to mil spec DOD-P-16232 Type M Class 2 specification.

ZERO-GAP™ DESIGN

The unique scope clamping design of Barrett ZERO-GAP rings takes care of some old optics mounting challenges. In the past, great attention was required when securing scope ring caps to maintain an equal gap between the lower ring and top cap on each side. There was also the possibility of rotating the scope out of perfect vertical reticle alignment while torqueing the cap screws in a side to side pattern. These problems are eliminated with the ZERO-GAP design. Simply secure the cap on the indicated side until there is no gap between lower ring and cap, check for perfect reticle alignment and then torque the remaining side to the required specification.

Direct Front View



FOR EVERY APPLICATION

Barrett ZERO-GAP rings are available in four different heights. From a low mounted action hugging scope on a hunting rifle to a high mounted large objective optic on a tactical rifle, you are sure to find one for your particular application.



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