

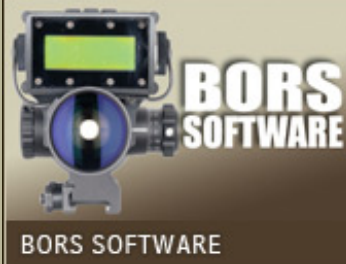

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EXRINGS™

Extended Range Scope Rings



EXTENDED RANGE RINGS THAT ARE BUILT TO LAST



ExRings™ **MSRP: \$230**

Barrett ExRings provide an easy, adaptable solution to a common challenge for long range shooters. With some scope/rifle combinations, a shooter may find they do not have enough “up” elevation adjustment in their scope to hit targets at the maximum range of their rifle system. When this condition exists there is usually plenty of “down” elevation adjustment that is not being used. By elevating the rear of the scope the correct amount, a shooter can maximize the internal elevation adjustment range of the scope for the practical range limits of the rifle system.

In the past, this problem has been addressed with a scope rail that is machined or installed on the rifle with a built in taper to provide the needed elevation. Depending on the available internal elevation adjustment of the scope and the trajectory of the cartridge being used, one particular elevation taper may not be perfect for every configuration. If you are using a rifle that has an integrated rail that is parallel to the bore, or desire the adaptability of selecting variable elevation settings, Barrett ExRings are the solution.

SOLUTION

Barrett ExRings with Pin-Lock™ technology has a dual setting MOA taper at 15 MOA or 40 MOA, utilizing the riflescope’s precise internal elevation adjustment by aligning the scope for long range shooting. The front ring assembly is designed with a precision fit pivot that allows the scope to elevate in the rear, but tolerances insure no unwanted movement. The rear ring assembly houses the Barrett Pin-Lock technology that allows the



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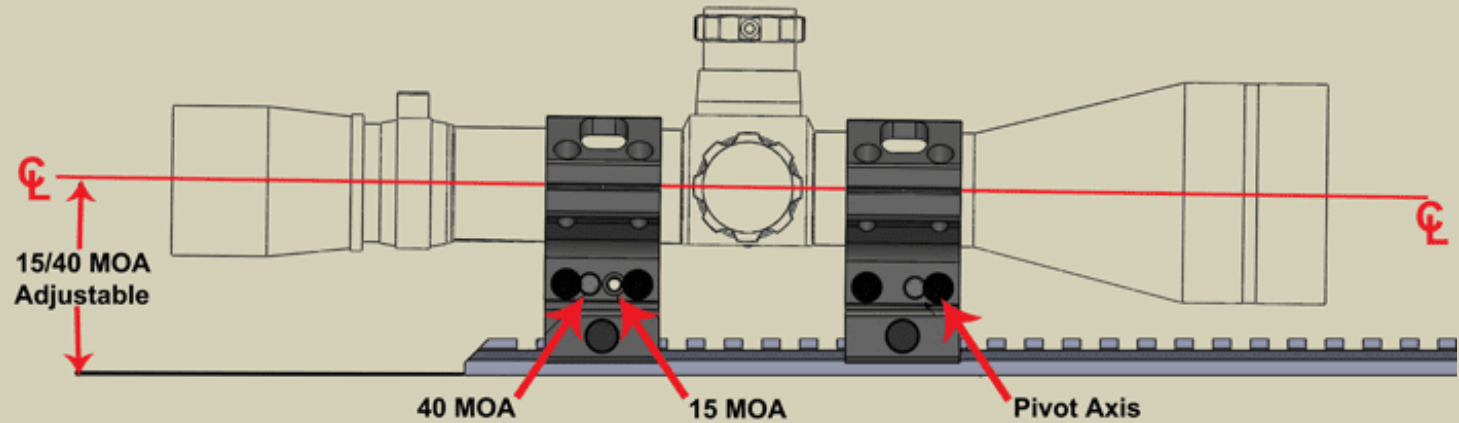


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user to select from two MOA settings. Once a MOA setting is selected and the ring's four cross bolts are torqued to specification, Barrett ExRings become a rock solid mount with the correct taper to maximize the potential of your rifle system.



KEY FEATURES

- ZERO-GAP™ offers wider clamping area and maximizes “scope grip”
- Fits MIL STD 1913 rails
- Maximizes the riflescope’s internal elevation adjustment for long range shooting
- Zero backlash tongue and groove interface for precision fit
- High Strength Aircraft grade 7075 T6 aluminum construction
- 2.5x lighter than steel
- Heat treated steel cross bolt and captured nut for increased strength
- Hard Anodized with a 60HRC (Rockwell C scale)
- BORS compatible

MATERIALS AND MASS

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	25% Stronger

Barrett ExRings 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.

Weight

8.32 oz

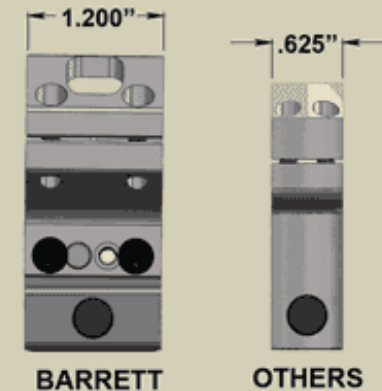
11.5 oz

25%
Lighter

HOLDING AREA

Barrett ExRings 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.

Direct Side View
Holding Surface Area Measurements



	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	

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 TOLERANCE

All critical features on Barrett ExRings are machined with great care. The 30mm bore will be exactly that with a diameter tolerance of plus or minus .001", 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.

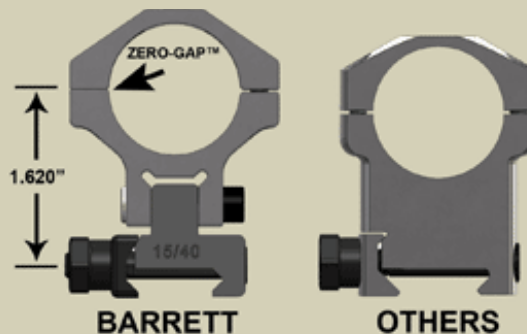
FIT AND FINISH

Every component of Barrett ExRings is 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

Front View

The unique scope clamping design of the ZERO-GAP™ feature 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 torquing 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.



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