



# **STRIKE EAGLE<sup>®</sup>**

**1-6x24 and 1-8x24 RIFLESCOPES**

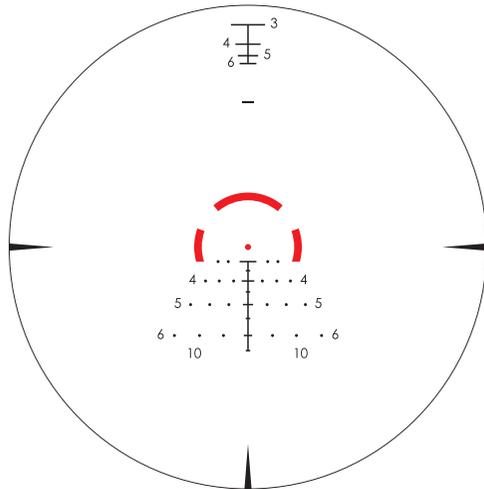
**AR-BDC3 RETICLE | MOA**

**RETICLE MANUAL**

## VORTEX® AR-BDC3 RETICLE

Our exclusive AR-BDC3 reticle facilitates rapid shooting at distances from 20 to 600 yards with popular .223/5.56mm and .308/7.62mm loads.

This versatile reticle can also be used effectively with a wide variety of other firearms and loads using the Precision BDC Technique outlined on page 4 of this manual.



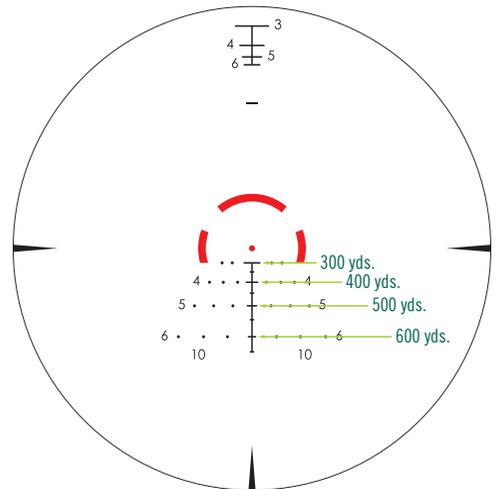
## RIFLESCOPE ADJUSTMENT

### Using the Reticle for Bullet Drop Compensation

#### Standard BDC Technique

Most rifles will work well zeroed in at 50 yards using the center dot. Consult the riflescope owner's manual for sight-in techniques. For most popular 5.56mm / .223 loads, the center dot will then provide good accuracy from 20 to 200 yards. For most popular 7.62mm / .308 loads, the center dot will provide good accuracy from 20 to 150 yards.

Use the lower hashmarks when aiming at targets farther than your zero distance. See the corresponding target ranges for the hashmarks listed on page 4.



**Standard Bullet Drop for Popular  
5.56mm / .223 Loads**

5.56 mm / .223 55 - 77 grain, boat tail bullets,  
2700 - 3000 FPS muzzle velocity

**Main crosshair zeroed 200 yards**

Hashmark	Distance	Bullet Drop
1st	300 Yards	7.5 Inches
2nd	400 Yards	23.5 Inches
3rd	500 Yards	50 Inches
4th	600 Yards	92 Inches

**Standard Bullet Drop for Popular  
7.62mm / .308 Loads**

7.62 mm/.308 Winchester 168 grain, boat tail bullets,  
2650 FPS muzzle velocity

7.62 mm/.308 Winchester 175 grain, boat tail bullets,  
2600 FPS muzzle velocity

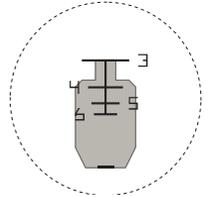
**Main center dot zeroed at 200 yards**

Hashmark	Distance	Bullet Drop
1st	285 Yards	7.2 Inches
2nd	385 Yards	22 Inches
3rd	485 Yards	47.4 Inches
4th	600 Yards	92 Inches

**Note:** It is important to understand that the drop hash marks are designed to work with the riflescope set at the highest magnification. The center dot, and its corresponding zero distance, can always be used at any magnification.

**RANGING**

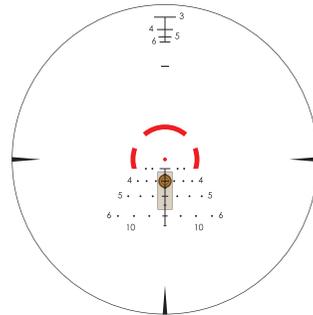
Use the ranging feature at the top of the reticle to range a silhouette target. Place the horizontal hashmark at the base of the target. With the firearm firmly supported, look to the top of the target to see which reference line the target aligns with. The 3, 4, 5, and 6 indicate the range in hundreds of yards. The horizontal lines correlate to the width of a silhouette target's shoulders at each distance.



**Elevation Holdovers**

The AR-BDC3 reticle makes it easy to quickly select the correct bullet-drop reference. If the shooter prefers to dial for bullet drop using the Elevation Turret, knowing bullet drop in MOA rather than inches will allow for much faster adjustments as the MOA can be quickly read on the Elevation Turret.

If shooting at a known range, simply use the holdover marks. The 4, 5, and 6 indicate the holdover in hundreds of yards. If shooting at a target at 400 yds, simply holdover on the 4 reference line under the horizontal stadia.



Once you have calculated the distance using the AR-BDC3 reticle, or a laser rangefinder, use the AR-BDC3 for rapid holdover correction for bullet drop of the cartridge being used. To get the most benefit out of the AR-BDC3-equipped rifle scope, Vortex® Optics **HIGHLY RECOMMENDS** learning bullet-drop numbers in MOA rather than linear units. Remember: 1 MOA will correspond to 1.05” for each 100 yds. or 29.1mm for each 100m of distance.

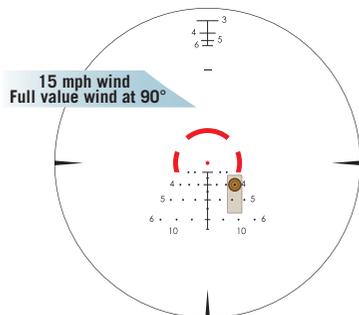
### Windage Correction

Using the reticle for effective windage leads requires thorough knowledge of your weapon system’s ballistic performance under varying conditions and experience in reading wind strengths. As a bullet drops, it is important to learn a particular weapon’s windage corrections in MOA. Always hold the reticle into the wind when correcting for wind drift.

### Basic Windage Correction on Center Dot

When dialing windage adjustments, use the center dot for windage or moving target leads.

**Note:** Starting at the vertical stadia, each dot represents a 5, 10, or 15 MPH crosswind hold.



Windage correction at 400 yards and 15 MPH crosswind.



## VIP WARRANTY

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*NOTE: The VIP Warranty does not cover loss, theft, deliberate damage, or cosmetic damage not affecting product performance.*

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