

STRIKE EAGLE™

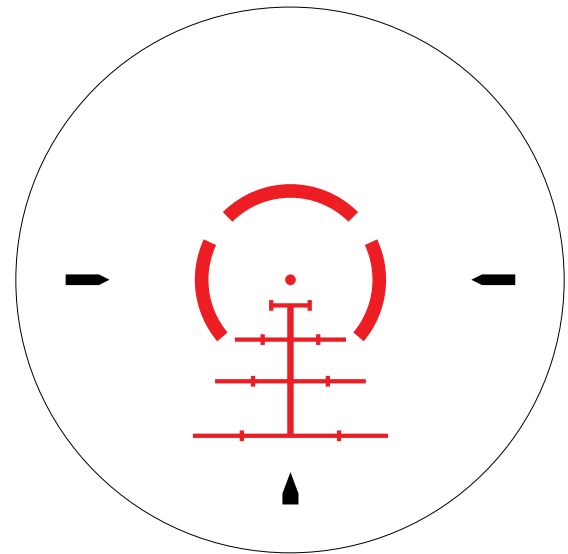


AR-BDC2 Reticle Manual



The Vortex AR-BDC2 Reticle

The Vortex® exclusive AR-BDC2 reticle facilitates rapid shooting at distances from 20 to 600 yards with popular .223/5.56mm and .308/7.62mm loads. This versatile reticle provides bullet drop compensation holdover points at 100 yard increments as well as 5 and 10 mph cross wind hold reference points.



Close-up View of Reticle

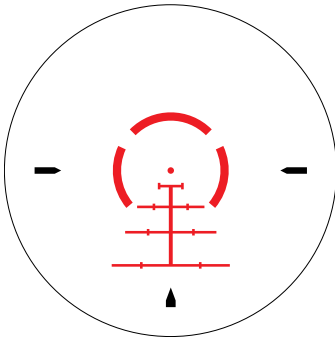


Using the Reticle for Bullet Drop Compensation

Standard BDC Technique

For best results, most 5.56mm/.223 caliber rifles can be zeroed in at 50 yards using the center dot. The 50 yard zero will closely correspond to the recommended 200 yard zero. 7.62mm/.308 caliber rifles can be initially zeroed at 30 yards, again closely corresponding to recommended 200 yard zero.

Once the rifle has been sighted in, the lower sub-crosshairs can be used as aiming points at the corresponding distances listed on page 5. For most popular rifles and loads, the sub-crosshairs will provide accuracy within 0–3 inches of your aiming point.



If you wish to get the very best accuracy from the AR-BDC2 reticle or work with loads and zero's other than those listed here, you can custom match the exact ballistics of your particular load to the drop hashmarks of the reticle using ballistic programs such as Vortex's LRBC (Long Range Ballistics Calculator).



Visit vortexoptics.com for the Vortex Long Range Ballistics Calculator.

Standard Bullet Drop for Popular 5.56 mm / .223 Loads

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

Center dot zeroed 50/200 yards

| Sub-crosshair | 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 7.62 mm / .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

Center dot zeroed 30/200 yards

| Sub-crosshair | 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 previously-listed subtensions and yardages are designed to work with the riflescope set at the highest magnification. The center dot zeroed at 30/50/200 yards can always be used at any magnification.

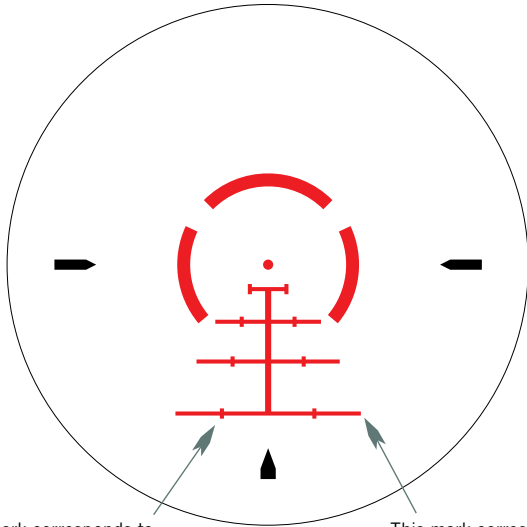


Using the Reticle for Wind Holds

When using the sub-crosshairs below the center dot for bullet drop compensation, the horizontal sub-crosshair will also provide reference points for 5.56mm/.223 bullet wind drift in 5 and 10 mph crosswinds.

The small tick left and right of center approximately correspond to bullet drift in 5 mph winds, the ends of the horizontal sub-crosshair will approximately correspond to bullet drift in 10 mph winds.

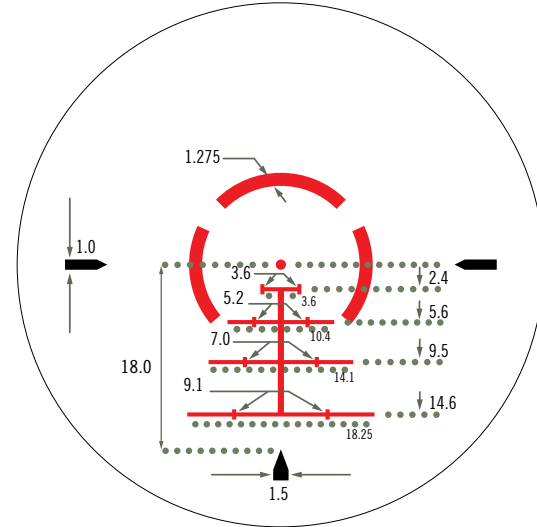
Note - Due to the higher ballistic coefficients of 7.62mm/.308 bullets, marks will more closely correspond to bullet drift in 7 and 15 mph cross winds.



This mark corresponds to bullet drift 5mph wind with a .223 and a 7mph wind for a .308

This mark corresponds to bullet drift 10mph wind with a .223 and a 15mph wind for a .308

AR-BDC2 Reticle Subtensions



Notes:
Subtensions measured in MOA.
∅ = Diameter

Reticle image shown for representation only.

STRIKE EAGLE™

