PRIMARY ARMS®
OPTICS

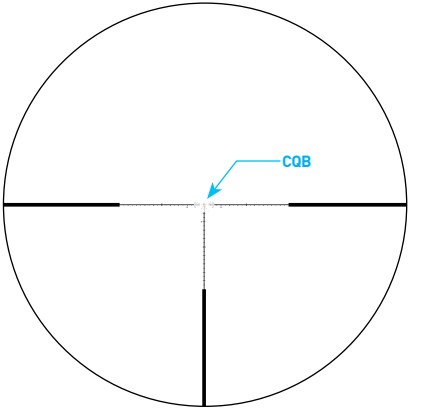
PLX® RDB® 1-8x24

COMPACT FIRST FOCAL PLANE RDB
ACSS® RAPTOR 5.56/.308 Y G2

THE ACSS RAPTOR 5.56/.308 Y G2 RETICLE

The ACSS Raptor 5.56/.308 Y G2 reticle is a new standard variant of the Raptor series, featuring auto-ranging side and top crosshairs with a bold center horseshoe and BDC holdovers. At minimum magnification, the bold crosshairs and brightly illuminated center dot draw the eye for split-second acquisition in close quarters. At maximum magnification, the full features of the ACSS reticle become available, providing auto-ranging and bullet drop compensation for 5.56, 5.45, .308, and similar cartridges to 800 yards.

1X Magnification

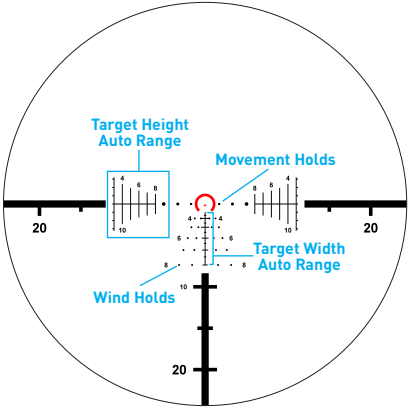


CQB HORSESHOE AND CROSSHAIRS

The ACSS Raptor Raptor 5.56/.308 Y G2 reticle features an illuminated outer horseshoe, which surrounds your central chevron aiming point. This horseshoe improves visibility and target acquisition speeds, especially in close-quarters engagements.

At minimum magnification, this reticle also features extended crosshair with 10 MIL and 50 MIL subtensions. These subtensions are useful for communication with other marksmen when identifying targets and relative position.

8X Magnification



PRECISION/MEDIUM RANGE SHOOTING

For enhanced precision, increase your scope's magnification and use the chevron tip as your point of aim. The chevron tip provides an infinitely small aiming point without obscuring the part of the target you want to hit for a fast yet very precise sight picture.

For further distances, ACSS Raptor 5.56/.308 Y G2 includes built in bullet drop compensation (BDC) for 5.56 NATO, 5.45x39, and .308 Win. The BDC starts at the tip of the chevron and finishes as the 800-yard mark, indicated by the fifth large hash mark below (denoted with an "8" on each side). Simply aim using the point in the reticle that coincides with the range to target. For targets at ranges between points, you can split the difference. For example, for a target at 450 yards, aim halfway between the 400- and 500-yard hash marks.

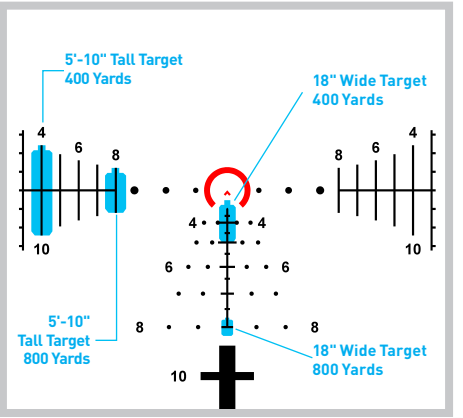
We recommend you establish a steady, supported position to use the BDC. Because of the scope's first focal plane configuration, the BDC is "true" at all magnifications, but the BDC is easiest to use at higher magnifications.

HOW TO ESTIMATE TARGET DISTANCE USING RAPTOR 5.56/.308 Y G2

Knowing the distance to your target is crucial in using the reticle effectively.

ACSS Raptor 5.56/.308 Y G2 offers two methods of range estimation: auto-ranging and MIL ranging. The easiest method is using the reticle's auto-ranging tools, though you can also use the MIL brackets to the sides of the center reticle.

Since this is a first-focal plane reticle, you can perform ranging at any magnification, but using high magnification usually gives the best results.

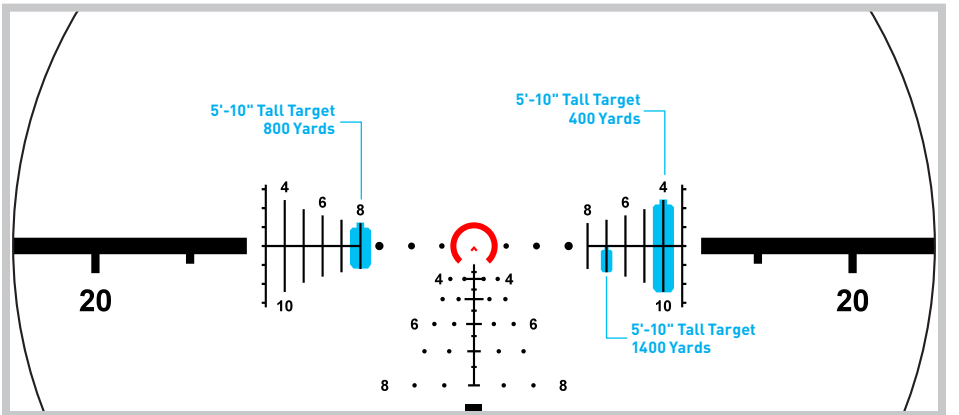


TARGET AUTO-RANGING

This reticle provides multiple methods of ranging a target, including both MIL subtensions and built-in auto-ranging, calibrated to a target 5'10 tall and 18" wide.

Your BDC stadia can be used for width-based auto-ranging, correlating to an 18" measurement at their respective distances.

For vertical auto-ranging, use the numbered MIL stadia marks to the left or right of the center horseshoe. Each full stadia mark represents a 5'10 height at its numbered distance.

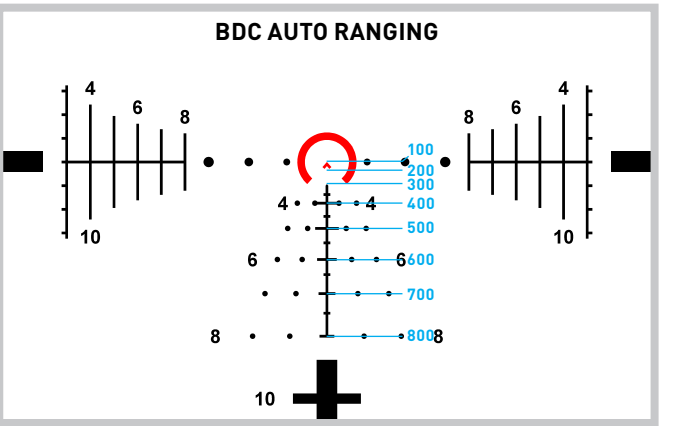


Because the crosshair runs halfway through each MIL stadia, you can also use the vertical stadia for ranging ~36" targets. This allows you to range crouched or partially concealed targets, holding crotch-to-head. For targets at extreme distances, you can use the half-stadia to range a target at double the indicated distance.

BULLET DROP COMPENSATION (BDC)

The ACSS Raptor 5.56/.308 Y G2 reticle features built-in BDC holdovers to help you make fast, effective shots at variable distances. While this BDC can be configured for a wide variety of cartridges and velocities, it is primarily optimized around Mk262 (77gr) 5.56x45mm or M80 (147gr) 7.62x51mm Ammunition with a 50-yard zero.

This reticle can also work with M193 and M855 cartridges with a 100-yard zero. For these cartridges, please refer to the ballistic chart on the next page for specific corrections. We recommend testing and fine-tuning your BDC at further distances to find the best possible zero.



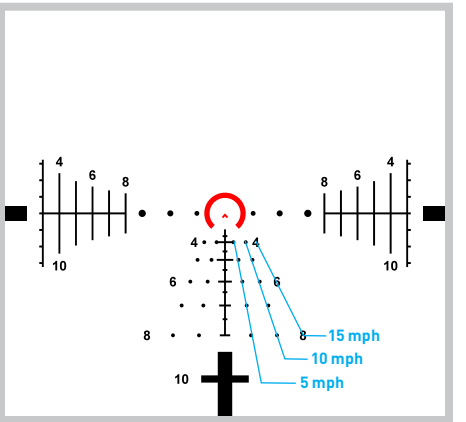
BULLET DROP COMPENSATION

5.56mm					.223 Remington	5.45x39mm				
M855 62gr	1,000 ft.	2,000 ft.	3,000 ft.	0 Distance	55gr VMAX Zero at 100 Yards 3,100 - 3,200 fps	7n6 53gr	1,000 ft	2,000 ft.	3,000 ft.	0 Distance
14.5" Barrel	+1.0"	+0.5"	0	100 Yards	60gr VMAX Zero at 100 Yards 3,050 - 3,150 fps	16" Barrel	0	0	-0.5"	100 Yards
16" Barrel	+0.5"	0	-0.5"	100 Yards	69gr SMK Zero at 100 Yards 2,900 - 2,950 fps	6.5 Grendel				
20" Barrel	0	-0.5"	-1.0"	100 Yards	75gr HNDY +0.5" at 100 Yards 2,700 - 2,750 fps	123gr VMAX Zero at 100 Yards 2,600 fps				
M193 55gr	1,000 ft.	2,000 ft.	3,000 ft.	0 Distance	77gr SMK +1.0" at 100 Yards 2,700 - 2,750 fps	123gr VMAX Zero at 50 Yards 2,550 fps				
14" Barrel	0	0	0	50 Yards	7.62x51mm / .308 Winchester	123gr VMAX Zero at 200 Yards 2,500 fps				
16" Barrel	+1.0"	+0.5"	0	100 Yards	M80 147gr +1.0" at 100 yards 2,650 - 2,700 fps	6.8 Rem SPC				
20" Barrel	0	0	-0.5"	100 Yards	168gr SMK +1.0" at 100 Yards 2,600 - 2,650 fps	120gr SST Zero at 100 Yards 2,460 fps				

WIND HOLDS AND LEADS

Your BDC includes multi-speed wind holds to help you compensate for crosswinds at further distances.

Each stadia marker of your BDC will be flanked by 2 dots on each side, representing drift from 5 mph and 10 mph crosswinds.



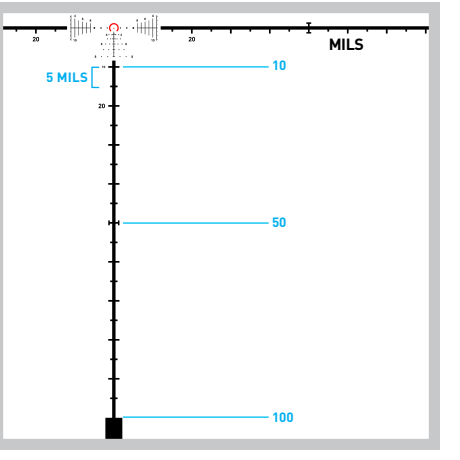
HOW TO USE MILS

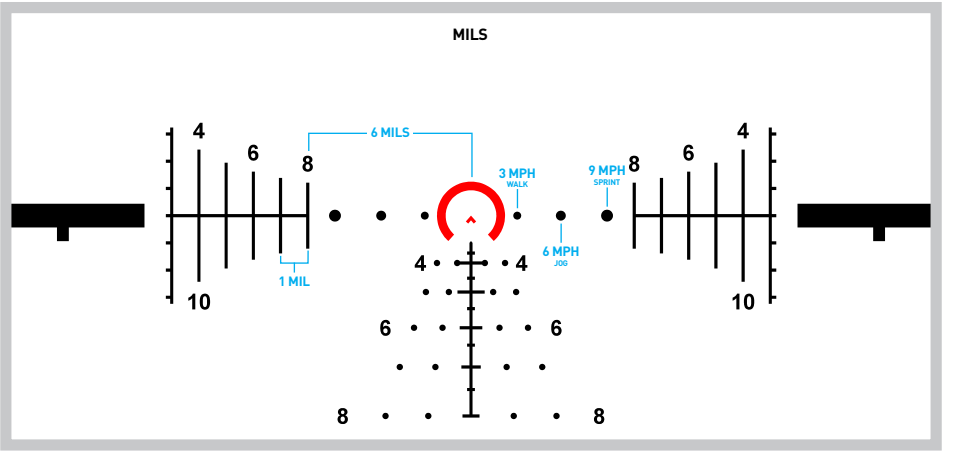
This reticle features MIL (Milliradian) stadia, which you can use to range targets and communicate with other marksmen or observers.

To range using MILs, estimate the height or width of your target. Once you have an estimated target size, find the size of the target in MILs by lining the target up with your MIL subtensions.

Depending on your preferred units of measure, you can use different formulae to calculate range estimates:

- **RANGE (YARDS) =**
  Target Size (Inches) * 25.4 / Target MILs
- **RANGE (YARDS) =**
  Target Size (Yards) * 1000 / Target MILs
- **RANGE (METERS) =**
  Target Size (Centimeters) * 10 / Target MILs




MILS
4
6
8
10
6 MILS
1 MIL
3 MPH
WALK
6 MPH
JOG
9 MPH
SPRINT
4
6
8
10
4
4
6
6
8
8

WEAPON **DATE**

SHOT NO.	DIRECTION/DEFLECTION	ELEVATION	RANGE	AMMO	DESCRIPTION

NOTES:

PRIMARY ARMS

LIFETIME WARRANTY

Your Primary Arms PLx 1-8x24 compact rifle scope is covered by the Primary Arms Lifetime Warranty. If a defect due to materials or workmanship, or even normal wear and tear has caused your product to malfunction, Primary Arms will either repair or replace your product. You can find more details about our lifetime warranty at www.primaryarmsoptics.com.

Email: info@primaryarmsoptics.com
Toll-free at 855-774-2767
www.primaryarmsoptics.com

SCAN HERE for more information on these optics.

PRIMARY ARMS

For Patent Information go to https://goo.gl/2z62aS