



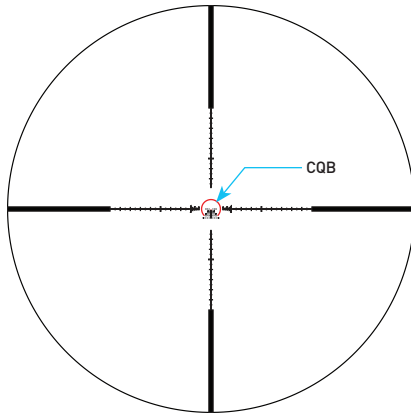
PLX[®] 1-8x24

**COMPACT FIRST FOCAL PLANE
ACSS[®] RAPTOR M8 - METERS
RETICLE MANUAL**

THE ACSS RAPTOR M8 METERS RETICLE

The ACSS Raptor M8 Meters reticle is a new metric variant of the Raptor series, featuring auto-ranging side and top crosshairs with a bold center horseshoe and BDC holdovers. At minimum magnification, the brightly illuminated horseshoe draws the eye for split-second acquisition at close quarters. At maximum magnification, the full features of the ACSS reticle become available, providing auto-ranging and bullet drop compensation for 5.56 and .308 to 800 meters. The ACSS Raptor M8 Meters also features moving target leads, a precise center chevron aiming point, and dual-sided wind holds at 5 mph intervals out to 20 mph.

1X Magnification

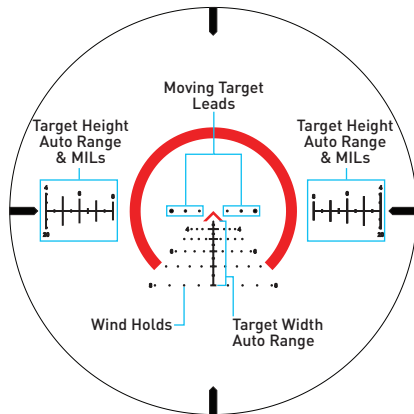


CQB HORSESHOE AND CROSSHAIRS

The ACSS Raptor M8 Meters 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 crosshairs with 5 MIL, 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, the ACSS Raptor M8 includes built in bullet drop compensation (BDC) for 5.56 NATO and .308 Win. The BDC starts at the tip of the chevron and finishes as the 800-meter 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 meters, aim halfway between the 400- and 500-meter hash marks.

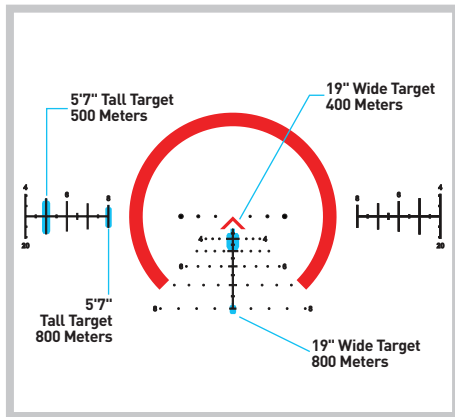
We recommend you establish a steady, supported position to use the BDC. Because of the scope's first focal plane configuration, the BDC is "true" at all magnifications, but the BDC is easiest to use at higher magnifications.

HOW TO ESTIMATE TARGET DISTANCE USING ACSS RAPTOR M8 METERS

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

The ACSS Raptor M8 Meters 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 horseshoe.

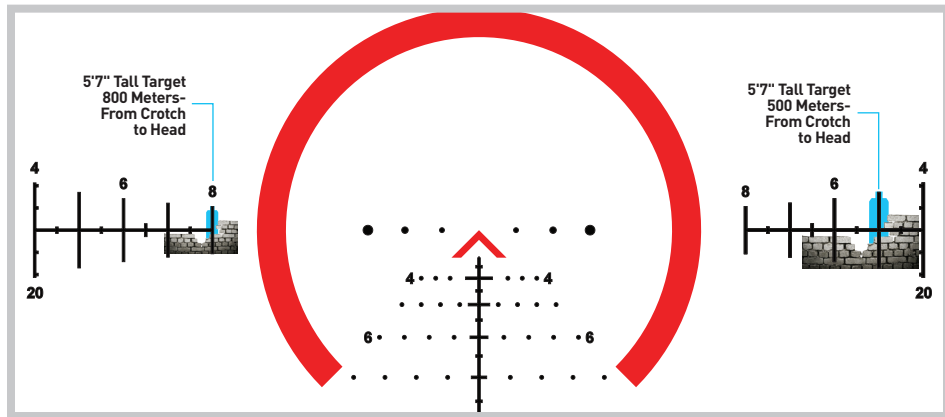
Since this is a first-focal plane reticle, you can perform ranging at any magnification, but using high magnification usually gives the best results.



TARGET AUTO-RANGING

The most efficient way of measuring a target's distance is through the reticle's built-in auto-ranging stadia.

For horizontal auto-ranging, use the width of your BDC stadia. From edge to edge, the chevron's legs match a target at 200 meters outside and 300 meters inside. Below that, the auto-ranging stadia provide a width measurement that matches its distance. For example, if a 19\"/>



For vertical auto-ranging, use the height of the numbered stadia on the left and right crosshairs. These stadia are sized to match a 5'7" target at each of their numbered distances, making it easy to estimate a firing solution and transition back to your BDC. For example, if a 5'7" target matches a vertical stadia marked with an "8", you know your target is approximately 800 meters away.

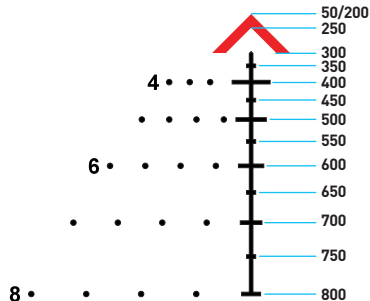
BULLET DROP COMPENSATION (BDC)

The ACSS Raptor M8 Meter 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 for 5.56x45mm or 7.62x51mm ammunition.

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.

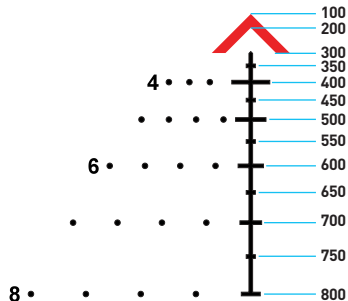
ZEROING EXAMPLE FOR MK262 5.56

(REFERENCE THE BALLISTIC CHART ON NEXT PAGE FOR ZEROING INFO)



ZEROING EXAMPLE FOR M855/M193

(REFERENCE THE BALLISTIC CHART ON NEXT PAGE FOR ZEROING INFO)



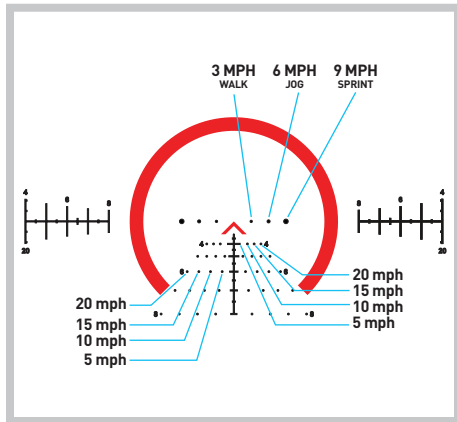
M855 62gr					M193 55gr				
	Sea Level	1,000 ft.	2,000 ft.	3,000 ft.		Sea Level	1,000 ft.	2,000 ft.	3,000 ft.
14.5" Barrel	50 meter zero ER 700 meters	50 meter zero ER 700 meters	100 meter +1" ER 800 meters	100 meter ER 800 meters	14.5" Barrel	50 meter zero ER 500 meters	50 meter zero ER 500 meters	50 meter zero ER 500 meters	50 meter zero ER 500 meters
16" Barrel	100 meter +.5" ER 800 meters	100 meter +.5" ER 800 meters	100 meter zero ER 800 meters	100 meter -.25" ER 800 meters	16" Barrel	100 meter +.5" ER 500 meters	100 meter +.5" ER 500 meters	100 meter +.5" ER 600 meters	100 meter +.5" ER 500 meters
18" Barrel	100 meter ER 800 meters	100 meter ER 800 meters	100 meter -.5" ER 800 meters	100 meter -1" ER 800 meters	18" Barrel	100 meter zero ER 700 meters	100 meter zero ER 700 meters	100 meter zero ER 800 meters	100 meter zero ER 700 meters
20" Barrel	100 meter zero ER 800 meters	100 meter zero ER 800 meters	100 meter -.75" ER 800 meters	100 meter -1" ER 750 meters	20" Barrel	100 meter zero ER 700 meters	100 meter -.25" ER 700 meters	100 meter zero ER 800 meters	100 meter zero ER 800 meters
MK262 77gr					7.62 NATO/.308 WIN				
	Sea Level	1,000 ft.	2,000 ft.	3,000 ft.	50 Meter Zero				
14.5" Barrel	50 meter zero ER 500 meters	50 meter zero ER 500 meters	50 meter zero ER 500 meters	50 meter zero ER 500 meters	175gr Sierra Match King at 2,500 fps				
16" Barrel	50 meter zero ER 600 meters	50 meter zero ER 700 meters	50 meter zero ER 800 meters	50 meter zero ER 800 meters	168gr Sierra Match King at 2,600 fps				
18" Barrel	50 meter zero ER 700 meters	50 meter zero ER 800 meters	50 meter zero ER 800 meters	100 meter zero ER 800 meters	M80 Specification at 2,700 fps				
20" Barrel	100 meter +1" ER 800 meters	100 meter +.5" ER 800 meters	100 meter zero ER 800 meters	100 meter -.25" ER 800 meters	Effective Range 800 meters				

MOVING TARGET LEADS

The three dots at the sides of the center chevron are leads for targets moving at a 90-degree angle to the user. Each dot represents a common movement speed. The innermost dot is a lead for walking targets (3 mph), the middle dot is a lead for jogging targets (6 mph), and the outer dot is a lead for sprinting targets (9 mph).

To use the moving target leads, simply hold the appropriate dot over your target as it travels. If used correctly, the target will move into the path of the shot.

These leads are most effective at a range of 100M - 300 meters.



WIND HOLDS

Your BDC features multi-speed wind holds to help you compensate for crosswinds at 400 meters and beyond. These wind holds appear as dots extending outward from each stadia at 100-meter increments.

At 400 meters, you have three wind holds, representing 10 mph, 15 mph, and 20 mph crosswinds. The edge of the stadia can also be used as a 5 mph hold.

At 500 meters and beyond, you have four wind holds, representing 5 mph, 10 mph, 15 mph, and 20 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 (METERS) =**

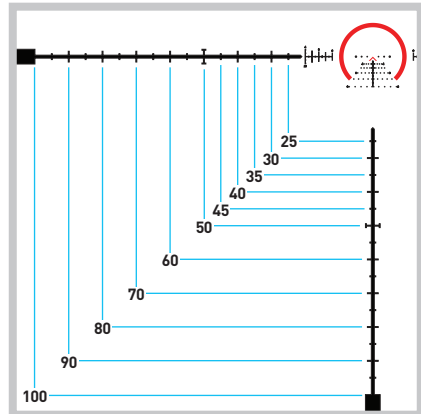
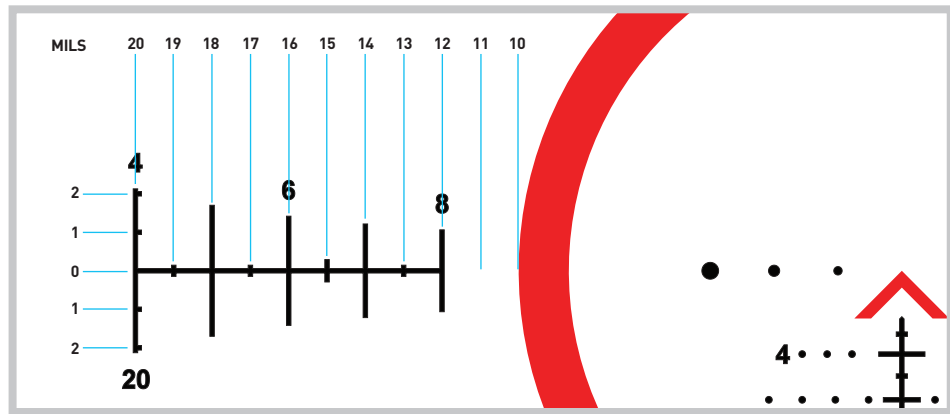
Target Size (Inches) * 25.4 / Target MILs

- **RANGE (METERS) =**

Target Size (Meters) * 1000 / Target MILs

- **RANGE (METERS) =**

Target Size (Centimeters) * 10 / Target MILs



WEAPON				DATE	
SHOT NO.	DIRECTION/DEFLECTION	ELEVATION	RANGE	AMMO	DESCRIPTION

NOTES:



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

For more information:
<http://primaryarmsoptics.com/product-category/rifle-scopes/plx/>



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