

SLX® *PROVEN RELIABILITY AND VALUE*

SLX® **FIRST FOCAL PLANE RETICLE MANUAL**

ARC-2 MOA

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

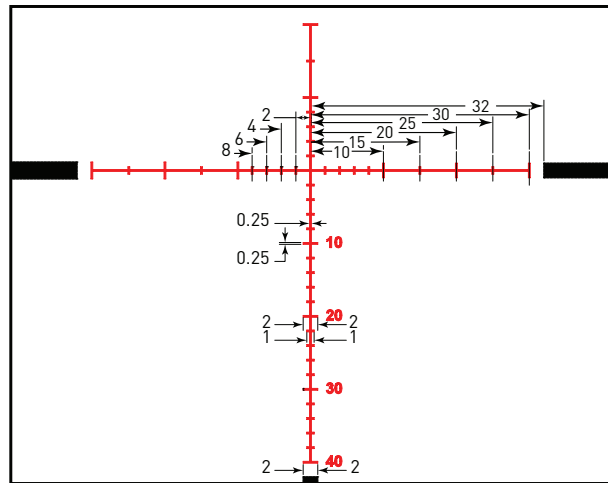
PA PRIMARY ARMS®

THE ARC-2 MOA RETICLE

The ARC-2 MOA reticle may appear simple to the eye, but every detail is a tool that can help you make accurate ranging estimates at extended ranges.

The ARC-2 MOA reticle offers two different MOA increments for the ideal balance of detail and clarity. The bottom elevation crosshair uses 2 MOA stadia increments to 40 MOA. The upper elevation and windage crosshairs feature 2 MOA stadia to 10 MOA before transitioning to 5 MOA increments. Standard stadia measure .2 MOA in density and 1 MOA width, while every 10th MOA features a 2 MOA width for added readability.

Since these subtensions are true at every level of magnification, you can use these known measurements with the ranging formula on page 2 to establish a distance to target in yards.

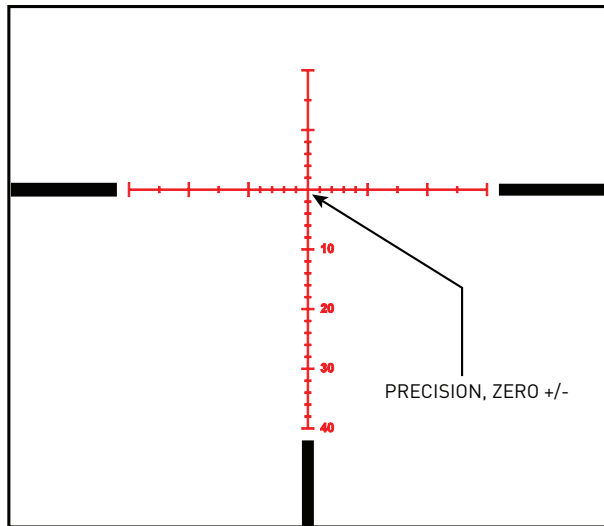


PRIMARY ARMS

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ESTABLISHING ZERO

Using a bipod or sandbags, preferably on a bench or in the prone position, turn the Power Ring to a high magnification to see your target as easily as possible. Dial in point of impact to coincide with the center dot. When sighting in your rifle, if your shots are hitting low, turn the Elevation Knob counterclockwise to bring the point of impact up. If your shots are hitting to the left, turn the Windage Knob counterclockwise to bring the point of impact right.



RANGING WITH AN MOA RETICLE

Minute of Angle (MOA) is an angular measurement that represents 1.047" per 100 yards. For marksmen, this is often rounded down to represent 1-inch per 100 yards.

With simple mathematics, you can use your reticle's MOA stadia to estimate a distance to target. The ranging equation is as follows:

Target Distance = Target Size in Inches / Target Size in MOA * 100

By estimating your target's size in inches, you can use your reticle stadia to render a distance for trajectory correction.

This is particularly important in long-distance precision, where bullet drop and wind deflection are significant.

MOA MEASURING TABLES

This page contains useful tables that show the comparative measurements of MOAs at different distances. As you can see, 1 MOA is roughly equivalent to 1 inch per 100 yard increment.

DISTANCE (YARDS)	ONE MOA IN INCHES
100	1.047
150	1.57
200	2.09
250	2.61
300	3.14
350	3.66
400	4.18
450	4.71
500	5.23
550	5.75

DISTANCE (YARDS)	ONE MOA IN INCHES
600	6.28
650	6.80
700	7.32
750	7.85
800	8.37
850	8.89
900	9.42
950	9.94
1,000	10.47

CONVERSIONS (100 YARDS):	CONVERSIONS (200 YARDS):
1 MIL = 3.438 MOA	1 MIL = 3.438 MOA
1 MOA = 1.047"	1 MOA = 2.094"
1 MIL = 3.60"	1 MIL = 7.20"

LOAD DATA TABLE

Included here is an example of a Load Data table, which helps to guide a user with pre-calculated drop values at 100-yard increments. Every table will be different, depending on the rifle and cartridge details. Muzzle velocity is different with each combination, so finding your own unique details is very important. You can use online ballistic calculators or applications such as Strelak to generate your data to fill the rest of the table.

With this data table prepared, you can improve your speed on target by using your scope reticle for holdovers. For Example, if you were shooting at a target that is 500 yards away, this table tells you the drop is -10.6 MOA. You can dial this into your scope's turret, or you can hold just below your reticle's -10MOA stadia.

LOAD DATA SAMPLE FOR REFERENCE ONLY			
168gr Sierra Matchking Muzzle: 2700FP G1 BC: 0.462			
Distance (Yards)	Drop (in)	Drop (MOA)	Drop (MIL)
100 (Zero)	0.00	0.00	0.00
200	-3.00	-1.43	-0.42
300	-12.42	-3.95	-1.15
400	-29.42	-7.02	-2.04
500	-55.42	-10.59	-3.08
600	-92.24	-14.68	-4.27
700	-142.09	-19.39	-5.64
800	-207.71	-24.80	-7.21
900	-292.31	-31.02	-9.02
1000	-399.59	-38.17	-11.10

Why ACSS®?

The Advanced Combined Sighting System (ACSS) is a ballistic drop compensating reticle system that eliminates the inefficiencies and dangers present in traditional optic reticles.

In a conventional MIL or MOA dot scope, the user operates through a complex process of target estimation, subtension alignment, and mathematics before determining trajectory. By integrating common holds, ranging tools, and wind corrections right into the reticle, ACSS provides a 'heads-up' approach to ranging and engagement.

ACSS reticles distill complex math into an intuitive reticle that matches your rifle's ballistic profile.

Primary Arms Optics are available with a wide variety of ACSS reticles to pair with different calibers and use cases. For a full list of reticle and optic options, please visit www.primaryarmsoptics.com.



LIFETIME WARRANTY

Your Primary Arms SLx 4-16x44 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 on these optics, go to:

<http://primaryarmsoptics.com/product-category/rifle-scopes/slx/>