



PRIMARY ARMS® 4-14X44 FFP SCOPE

WITH PATENTED ACSS® .308/.223 HUD DMR RETICLE.



READ THIS FIRST!

INTRODUCING THE ACSS® HUD/DMR

A revolutionary DMR reticle designed to solve the problems faced while engaging targets of opportunity and limited exposure at unknown ranges. Increasing first hit ratio and improving time on target. Sometimes, there is no time to do the math or look at a data book. Years of

research resulted in the most advanced DMR reticle to date, the ACSS® H.U.D. Problem-solving the reality of fast on-the-fly shots to complete firing solutions. Very fast at 4X and extremely accurate at 14X remaining true at all magnifications.

ACHIEVING CLEAR PICTURE

Focus and set reticle using the diopter ring at the rear of the eyepiece. Looking at a light background, the reticle should appear sharp and crisp. If it does not, adjust by using the ring. If you are farsighted, turn the ring clockwise a few turns, if nearsighted, turn it counter

clockwise. Look at the scope with quick glances and adjust until it is clear. Looking too long at the reticle allows for the eye to focus in on the reticle, quick glances allow for quick focus without your eye compensating for lack of focus of the reticle.

ESTABLISHING (0) OR DIALING IN YOUR SCOPE

Depending on type of ammunition, barrel length and weather conditions the point of impact will vary. This chart is based on a 100 yard zero.

HOW TO USE THE ZERO CHART

- Starting on the left, locate your barrel length.
- Adjust zero depending on your elevation above sea level and dial in +/- inches at 100 yards.



7.62 x 51mm

AMMO M80	Elevation 1000 ft	Elevation 2000 ft	Elevation 3000 ft	Effective Range
16" Barrel	+1.0"	+0.5"	+0.25"	800y
20" Barrel	+.25"	0	0	900y
22" Barrel	0	0	-0.25"	1000y

How to dial in using most common loads depending on your fps at the suggested range.

175 smk

2600fps/50y-0

Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100	1.13	1.08
200	-1.10	-0.53
253 ↑	-5.05	-1.90
300	-10.08	-3.21
400	-26.83	-6.41
500	-52.60	-10.05
600	-88.87	-14.14
700	-137.41	-18.75
800	-200.32	-23.91
900	-280.05	-29.71
1000	-379.42	-36.23

2550fps/50y-0

Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100	1.08	1.03
200	-1.45	-0.69
246 ↑	-5.00	-1.93
300	-11.00	-3.50
400	-28.67	-6.85
500	-55.77	-10.65
600	-93.84	-14.94
700	-144.76	-19.75
800	-210.72	-25.15
900	-294.30	-31.23
1000	-398.39	-38.04

168 smk

2700fps/100y-0

Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100 ⊕	-0.00	-0.00
200	-3.00	-1.43
228 ↑	-5.02	-2.09
300	-12.42	-3.95
400	-29.42	-7.02
500	-55.42	-10.58
600	-92.24	-14.68
700	-142.09	-19.38
800	-207.71	-24.79
900	-292.31	-31.02
1000	-399.59	-38.16

2650fps/100y+1"

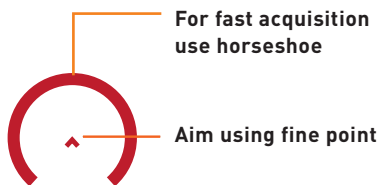
Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100 ⊕	1.00	0.95
200	-1.23	-0.59
252 ↑	-5.07	-1.91
300	-10.18	-3.24
400	-27.05	-6.46
500	-53.38	-10.19
600	-91.08	-14.50
700	-142.51	-19.44
800	-210.53	-25.13
900	-298.50	-31.67
1000	-410.19	-39.17

2600fps/200y-0

Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100	1.74	1.66
200 ⊕	-0.00	-0.00
266 ↑	-5.02	-1.80
300	-8.76	-2.79
400	-25.83	-6.17
500	-52.85	-10.09
600	-91.84	-14.62
700	-145.28	-19.82
800	-216.19	-25.81
900	-308.05	-32.69
1000	-424.70	-40.56

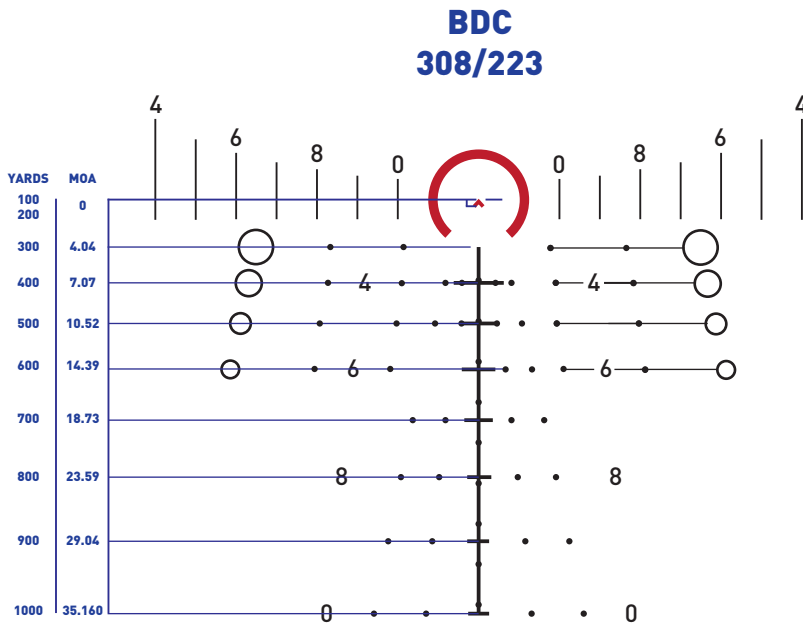
CHEVRON/HORSESHOE

Our enhanced Chevron/Horseshoe reticle allows for very fast and precise shots without target obstruction caused by standard crosshair reticles.



B.D.C./AUTO RANGE

The bullet drop compensation is correlated with Auto Range. Simply range and engage. This feature increases effectiveness by reducing time on target. No need to run data and turn turrets. Wrong range estimation is the number one reason shots are missed!



BASE 175GR SMK
LOAD 2650 FPS

.308 LOADS

168SMK 2700FPS			M80 149gr FMJ 2790FPS			HNDY 180gr AMAX 2550FPS			HNDY168AMAX 2700 FPS			HNDY178 AMAX 2630 FPS		
Range (Yards)	Drop (in)	Drop (Moa)	Range (Yards)	Drop (in)	Drop (Moa)	Range (Yards)	Drop (in)	Drop (Moa)	Range (Yards)	Drop (in)	Drop (Moa)	Range (Yards)	Drop (in)	Drop (Moa)
0 ↓ -2.50	0.00		0 ↓ -2.50	0.00		0 ↓ -2.50	0.00		0 ↓ -2.50	0.00		0 ↓ -2.50	0.00	
100	-0.00	-0.00	100	-0.00	-0.00	100	-0.00	-0.00	100	-0.00	-0.00	100	-0.00	-0.00
200	-3.00	-1.43	200	-2.72	-1.30	200	-3.47	-1.66	200	-2.94	-1.41	200	-3.21	-1.53
228 ↑ -5.02	-2.09		234 ↑ -5.08	-2.06		220 ↑ -5.02	-2.17		229 ↑ -5.01	-2.08		224 ↑ -5.00	-2.12	
300	-12.42	-3.95	300	-11.61	-3.70	300	-13.65	-4.34	300	-12.14	-3.87	300	-12.97	-4.13
400	-29.42	-7.02	400	-27.82	-6.64	400	-31.38	-7.49	400	-28.57	-6.82	400	-30.24	-7.22
500	-55.42	-10.58	500	-52.77	-10.08	500	-57.66	-11.01	500	-53.38	-10.20	500	-56.20	-10.73
600	-92.24	-14.68	600	-88.26	-14.05	600	-93.62	-14.90	600	-87.97	-14.00	600	-92.22	-14.68
700	-142.09	-19.38	700	-136.58	-18.63	700	-140.60	-19.18	700	-134.00	-18.28	700	-139.96	-19.09
800	-207.71	-24.79	800	-200.70	-23.96	800	-200.13	-23.89	800	-193.45	-23.09	800	-201.36	-24.04
900	-292.32	-31.02	900	-284.50	-30.19	900	-273.98	-29.07	900	-268.70	-28.51	900	-278.73	-29.57
1000	-399.32	-38.16	1000	-393.07	-37.54	1000	-365.19	-34.78	1000	-362.47	-34.61	1000	-374.71	-35.78

.223 LOADS

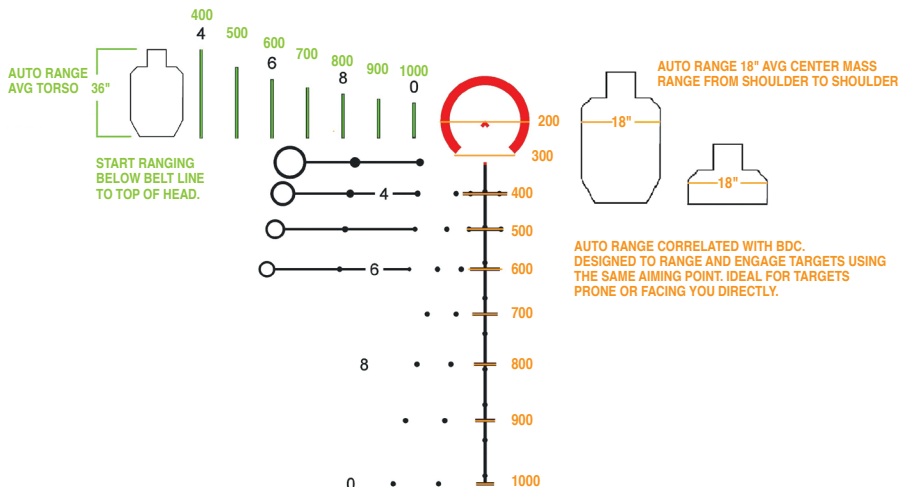
75GR HNDY 2750 FPS			75GR HNDY AMAX 2700 FPS			77GR SMK 2800 FPS +.5" @100 YARDS			55gr FMJ 2950 FPS			62 gr FMJ 2900 FPS		
Range (yards)	Drop (in)	Drop (moa)	Range (yards)	Drop (in)	Drop (moa)	Range (yards)	Drop (in)	Drop (moa)	Range (yards)	Drop (in)	Drop (moa)	Range (yards)	Drop (in)	Drop (moa)
0 ↓ -2.50 0.00			0 ↓ -2.50 0.00			0 ↓ -2.50 0.00			0 ↓ -2.50 0.00			0 ↓ -2.50 0.00		
100 -0.01 -0.01			100 -0.01 -0.01			100 -0.51 -0.49			100 -0.00 -0.00			100 -0.00 -0.00		
200 -2.87 -1.37			200 -2.99 -1.43			200 -1.80 -0.86			200 -1.80 -1.28			200 -2.53 -1.21		
230 ↑ -5.01 -2.07			228 ↑ -5.02 -2.09			228 ↑ -5.04 -1.95			228 ↑ -5.05 -2.06			237 ↑ -5.04 -2.02		
300 -12.12 -3.86			300 -12.42 -3.95			300 -10.57 -3.37			300 -12.21 -3.89			300 -11.26 -3.58		
400 -28.96 -6.91			400 -29.37 -7.01			400 -27.25 -6.50			400 -30.97 -7.39			400 -27.71 -6.61		
500 -54.90 -10.49			500 -55.19 -10.54			500 -53.69 -10.25			500 -62.45 -11.93			500 -53.87 -10.29		
600 -91.81 -14.61			600 -91.51 -14.56			600 -92.27 -14.69			600 -112.05 -17.83			600 -92.43 -14.71		
700 -142.02 -19.37			700 -140.33 -19.14			700 -146.05 -19.69			700 -187.80 -25.62			700 -147.14 -20.07		
800 -208.38 -24.87			800 -204.05 -24.36			800 -218.76 -26.11			800 -296.87 -35.44			800 -223.25 -26.65		
900 -294.27 -31.22			900 -285.53 -30.30			900 -314.76 -33.40			900 -444.29 -47.14			900 -327.49 -34.75		
1000 -403.53 -38.53			1000 -388.05 -37.06			1000 -438.63 -41.89			1000 -635.11 -60.65			1000 -465.01 -44.41		

6.5
123gr SMK@ 2650 fps
0-100 yards

Range (yards)	Drop (in)	Drop (moa)
0 ↓	-2.50	0.00
100 ⊕	-0.00	-0.00
200	-3.10	-1.48
226 ↑	-5.00	-2.10
300	-12.59	-4.01
400	-29.38	-7.02
500	-54.57	-10.42
600	-89.43	-14.23
700	-135.49	-18.48
800	-194.60	-23.23
900	-269.14	-28.56
1000	-362.00	-34.57

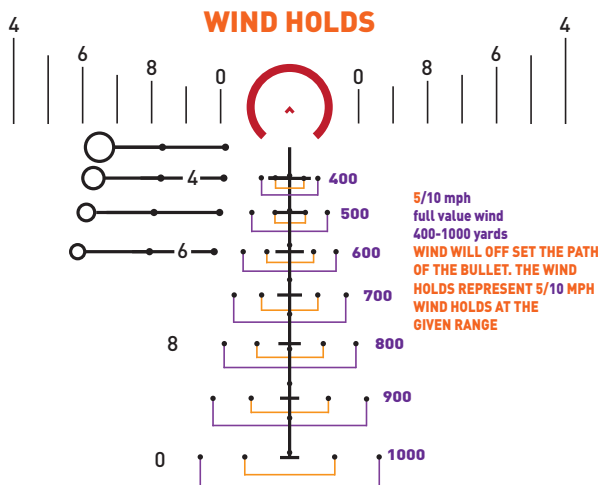
AUTO RANGE

**AUTO RANGE ALLOWS YOU TO RANGE
TARGETS FROM 400-1000 YARDS.**



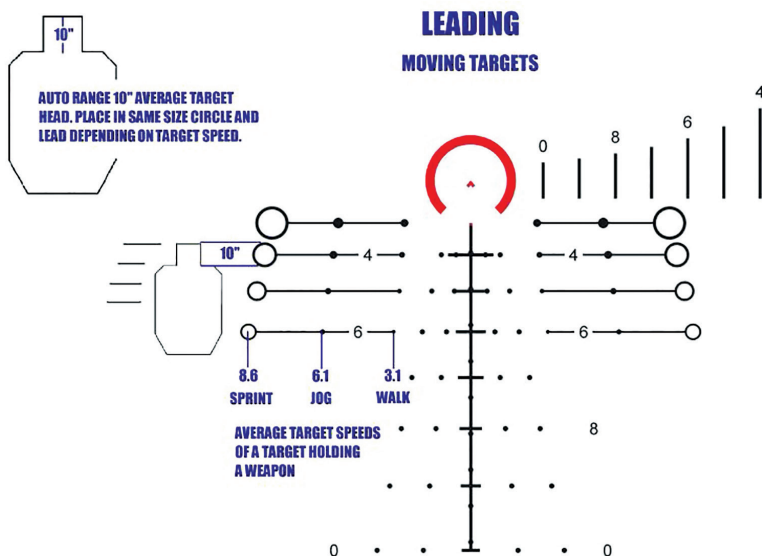
AUTO WIND

Wind is always a factor in any long range shot and it is the number two reason shots are missed. The ACSS® .308/.223 HUD DMR includes 5-10 mph wind holds at each range, decreasing time on target.



AUTO LEADS

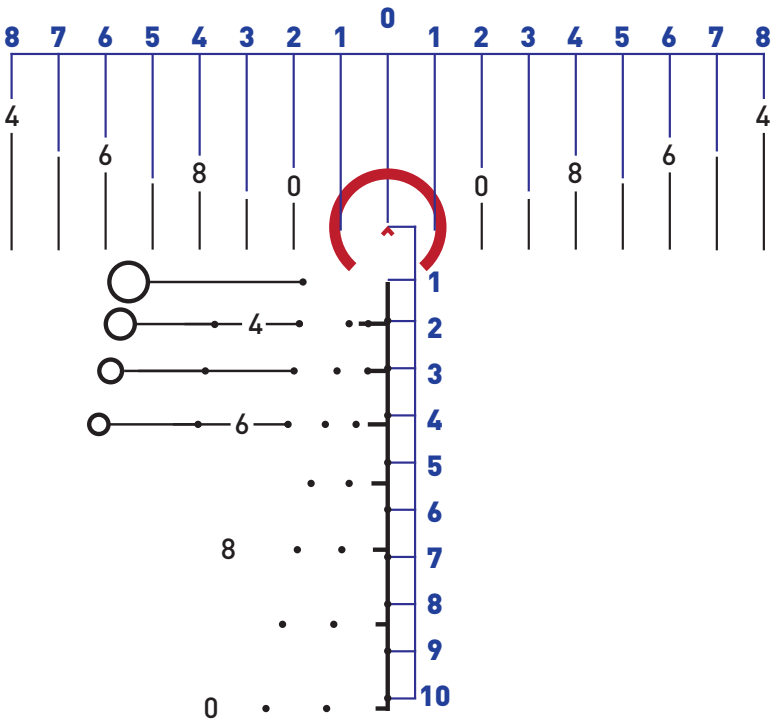
A revolutionary feature ranging and leading movers/moving targets! The proper Range, Lead, B.D.C. has been pre-calculated! Fit head to the proper circle to range and lead accordingly.



MIL SYSTEM

Mils are seamlessly incorporated. Data can be ran and dialed in for precision shots.

MILS



How to Mil or range estimate using the Mils on your reticle.

Step 1.

Enter the size of the target in inches. For example, if your target is 10" then use the number 10.

Step 2.

Multiply by 27.778

Step 3.

Take that number and divide it by how many mils cover the target size.

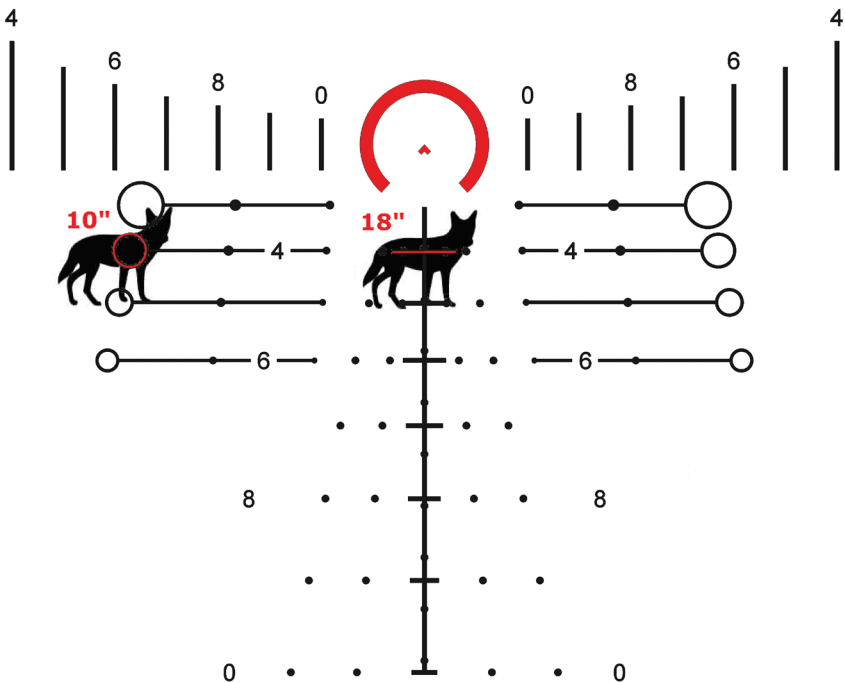
For example 10×27.778 divide by 1 = target range 277 yards.

Covers 1 mil for this example.

Additional Auto Range for Hunting

How to use ACSS HUD for predator and small game hunting.

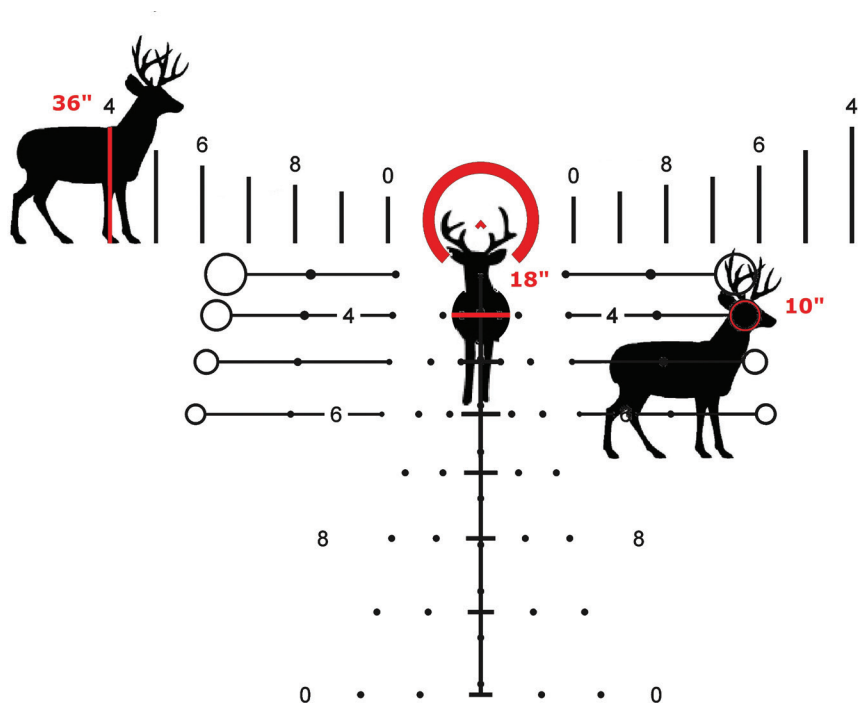
Average coyote is 18" from hip to shoulder and 10" from back to belly. Simply fit your target in the proper circle or cross hair in order to range. Same ranging can be used on other targets that are of equal dimensions.



Additional Auto Range for Hunting

Ranging for deer hunting.

Average deer stands 36" from ground to back, 18" straight on, and about 10" at the head.



SPECIFICATIONS & FEATURES

- Magnification: 4-14X44
- First focal plane
- Partial Illumination in red
- Matte black finish
- Exit Pupil: 11.2 mm to 3.3 mm
- Eye Relief: 80 mm to 82 mm
- Field of View: 27.2 to 7.85 feet at 100 yards
- Click Value: 0.1 Mil
- 6 brightness settings
- Uses one CR2032 battery (included)
- Multicoated to prevent glare
- Shockproof rating: 1000g, 20 times
- Waterproof: 11 °C, 0.25 m, 3 min/ 52 °F, 10", 3 min
- Nitrogen purged
- Main material: Aluminum
- Tube size: 30mm
- Length: 330 mm / 13 in.
- Weight: 690 g / 24 oz.
- 3 year warranty

Have fun and, above all, be safe and be sure to follow the four rules of "Gun Safety":

- All guns are always loaded.
- Never point the muzzle at anything that you are not willing to destroy.
- Keep your finger off the trigger until your sights are on the target.
- Be sure of your target and what is beyond it.



PRIMARYARMS®

WARRANTY: Your new scope has a three-year warranty against manufacturer defects. If you have any questions, please email or call.

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