

AXEON[™]
OPTIC SOLUTIONS

SECOND|ZERO[™]

USER GUIDE

“JUST AIM CENTER”

No training or ballistics know-how.
Just flip it and get it.



NOTE: All ballistic data is subject to environmental factors, the specifics of your rifle, and the specifics of the ammunition used in your rifle in conjunction with the rifle and environmental factors. The figures listed within these pages are meant to provide guidance for what you should expect with various popular hunting and target rifle set-ups. All possible combinations cannot be listed here. A change in such things as barrel length, weight of the projectile, muzzle velocity, ballistic coefficient, humidity, or temperature will produce different results respective of that change.

HOLD OVER



Disengaged

NO HOLD OVER



Engaged

Axeon® Second Zero®



#SecondZero



#ClearlyOnTarget

USER GUIDE

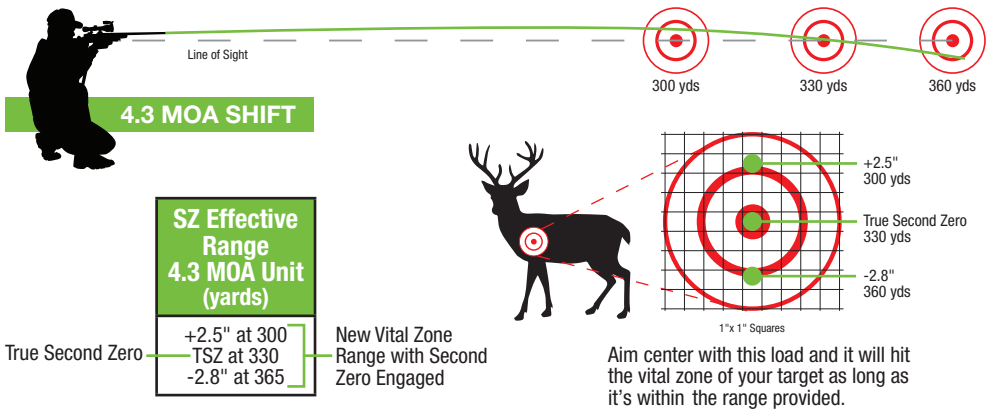


Game Load Legend

Optic and Ammo Configuration		Ammo Type	Range with Second Zero Unit Disengaged	Range with Second Zero Unit Engaged	
.223 Rem					
Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.223 55 grain at 2490 fps	10" / 2.5"	9" Large Game Vital Area	-2.5" at muzzle IZ at 100 -2.5" at 200	+2.5" at 300 TSZ at 330 -2.8" at 365	+3.6" at 500 TSZ at 530 -6" at 560

*EXAMPLE ONLY

Point of Impact (POI) Variation



Term Glossary

SZ - Second Zero
IZ - Initial Zero
TSZ - True Second Zero

MOA - Minute of Angle
FPS - Feet Per Second



Game Loads

.223 Rem

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.223 55 grain at 2490 fps	10" / 2.5"	9" Large Game Vital Area	+2.5" at muzzle IZ at 100 -2.5" at 200	+2.5" at 220 TSZ at 250 -2.8" at 275	+3.6" at 370 TSZ at 400 -6" at 420
.223 55 grain at 2820 fps	16" / 2.5"	9" Large Game Vital Area	+2.5" at muzzle IZ at 100 -2.5" at 200	+3.35" at 250 TSZ at 300 -3.8" at 325	+7.8" at 425 TSZ at 475 -7.32" at 500

.300 AAC

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.300 AAC 125 grain at 2260 fps	16" / 2.5"	9" Large Game Vital Area	+2.5" at muzzle IZ at 50 -3.5" at 100	+2.16" at 220 TSZ at 240 -3.55" at 270	+3.6" at 360 TSZ at 380 -1.8" at 390

.308 Win

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.308 Win 150 grain at 2780 fps	20" / 1.5"	9" Large Game Vital Area	+1.5" at muzzle IZ at 100 -4.2" at 200	+2.2" at 220 TSZ at 280	+3.75" at 455 TSZ at 480

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.30-30 Win

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.30-30 Win 150 grain at 2320 fps	20" / 1.5"	9" Large Game Vital Area	+1.5" at muzzle IZ at 100 -3.2" at 160	+2.5" at 180 TSZ at 210 -2.1" at 225	+3.8" at 310 TSZ at 325 -2" at 340

.45-70 Gov't

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.45-70 300 grain	18.5" / 1.5"	9" Large Game Vital Area	+1.5" at muzzle IZ at 100 -4" at 150	+3.5" at 130 TSZ at 160 -4.1" at 190	+4.4" at 225 TSZ at 245 -3.4" at 260
.45-70 300 grain at 1880 fps	26" / 1.5"	9" Large Game Vital Area	+1.5" at muzzle IZ at 100 -4" at 150	+2.5" at 150 TSZ at 175 -3" at 200	+4.2" at 255 TSZ at 275 -3.4" at 290

6.5 mm CM

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
6.5 mm 147 grain Creedmoor at 2680 fps	22" / 1.5"	9" Large Game Vital Area	+1.5" at muzzle IZ at 100 -3.5" at 200	+2.2" at 260 TSZ at 295 -3.5" at 330	+4.1" at 500 TSZ at 530 -5" at 550

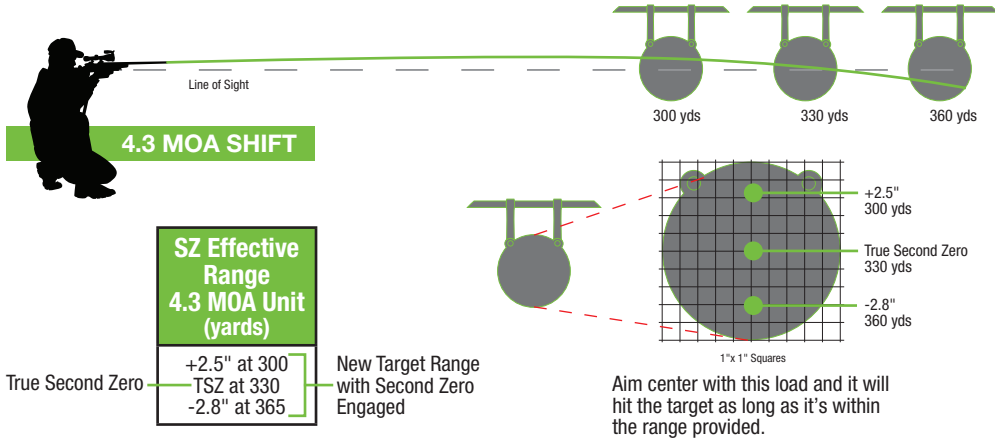


Target Load Legend

Optic and Ammo Configuration		Ammo Type	Range with Second Zero Disengaged	Range with Second Zero Unit Engaged	
.300 AAC					
Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.300 AAC 125 grain at 2100 fps	10" / 2.5"	10" Steel Plate	+2.5" at muzzle IZ at 50 -3.5" at 100	+2.5" at 300 TSZ at 330 -2.8" at 365	+3.6" at 500 TSZ at 530 -6" at 560

*EXAMPLE ONLY

Point of Impact (POI) Variation



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Target Loads

.22 LR

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.22 LR 40 grain at 1255 fps	18" / 1.5"	10" Steel Plate	+1.5" at muzzle IZ at 50 -3.7" at 90	+1.7" at 70 TSZ at 90 -2.92" at 110	+2.9" at 125 TSZ at 140 -3.75" at 155

.300 AAC

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
.300 AAC 125 grain at 2100 fps	10" / 2.5"	10" Steel Plate	+2.5" at muzzle IZ at 50 -3.5" at 100	+3" at 180 TSZ at 210 -3.1" at 240	+3.5" at 320 TSZ at 340 -3.25" at 350
.300 AAC 220 grain at 960 fps	10" / 2.5"	10" Steel Plate	+2.5" at muzzle IZ at 50 -6.3" at 100	TSZ at 80 -3.2" at 100	+4" at 100 TSZ at 120 -5" at 140
.300 AAC 220 grain at 1006 fps	16" / 2.5"	10" Steel Plate	+2.5" at muzzle IZ at 50 -6.3" at 100	TSZ at 85 -4.2" at 110	+2.1" at 120 TSZ at 125 -2.2" at 140

9 mm

Cartridge	Barrel Length & Scope Height	Target Size	Initial Zero Effective Range (yards)	SZ Effective Range 4.3 MOA Unit (yards)	SZ Effective Range 11.5 MOA Unit (yards)
9 mm 115 grain at 1150 fps	10" / 2.5"	10" Steel Plate	+1.5" at muzzle IZ at 50 -5.5" at 100	TSZ at 100 -5.4" at 130	+3.9" at 130 TSZ at 155 -2.5" at 160
9 mm 115 grain at 1250 fps	16" / 2.5"	10" Steel Plate	+1.5" at muzzle IZ at 50 -4.5" at 100	TSZ at 105 -4.5" at 120	+3.3" at 140 TSZ at 155 -3.5" at 170



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