



SPORT & RECREATIONAL OPTICS

Sweet .223 AO Riflescope Instructions



*Image is representative and may not actually reflect the actual product.

The Sweet .223 AO was designed using similar technology applied in the sniper trajectory compensation scopes. The 3 elevation drums included, have increments that are precisely calculated to compensate for the elliptic drop of the most popular .223 bullets. First, select and install the proper drum for the bullet grain weight (40, 55, 62), then zero the scope at 100 yds. Once the scope is zeroed, loosen the 3 elevation drum screws and rotate the drum until the 100 yds marking matches the zero marking (vertical line under the drum). Once this is done, the screws must be retightened (do not overtighten).

Note: Temperature, altitude, velocity and bullet shape can have an effect on the final results.

Caliber	Weight	Bullet Type	B.C
.223	40 gr	Polymer Tipped	.200
.223	55 gr	Full Metal Jacket	.243
.223	62 gr	Full Metal Jacket	.274

Caliber	Weight	Velocity (FPS)						
		Muzzle	50 yds	100 yds	150 yds	175 yds	200 yds	300 yds
.223	40 gr	3850	3561	3292	3039	2919	2801	2361
.223	55 gr	3240	3033	2836	2648	2557	2468	2128
.223	62 gr	3100	2922	2751	2587	2508	2429	2129

Caliber	Weight	Energy (FT.LBS.)					
		50 yds	100 yds	150 yds	175 yds	200 yds	300 yds
.223	40 gr	1126	963	821	757	697	495
.223	55 gr	1124	983	857	799	744	553
.223	62 gr	1176	1042	922	866	812	624

Caliber	Weight	Trajectory in Inches					
		50 yds	100 yds	150 yds	175 yds	200 yds	300 yds
.223	40 gr	-.41	0	-.41	-.95	-10.19	-7.98
.223	55 gr	-.28	0	-.81	-1.67	-8.96	-11.48
.223	62 gr	-.24	0	-.92	-1.85	-9.71	-12.2