



SPORT & RECREATIONAL OPTICS

# Sweet .22 AO Riflescope Instructions



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

The Sweet 22 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 .22LR bullets. First, select and install the proper drum for the bullet grain weight (36, 38, 40), 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
.22LR	36 gr	Copper Plated HP	.125
.22LR	38 gr	Jacketed HP	.131
.22LR	40 gr	Lead Round Nose	.139

Caliber	Weight	Velocity (FPS)						
		Muzzle	50 yds	100 yds	150 yds	175 yds	200 yds	250 yds
.22LR	36 gr	1260	1103	1001	929	899	872	823
.22LR	38 gr	1260	1054	1009	938	908	882	834
.22LR	40 gr	1240	1102	1009	942	913	888	842

Caliber	Weight	Energy (FT.LBS.)					
		50 yds	100 yds	150 yds	175 yds	200 yds	250 yds
.22LR	36 gr	97	80	69	65	61	54
.22LR	38 gr	104	86	74	70	66	59
.22LR	40 gr	108	90	79	74	70	63

Caliber	Weight	Trajectory in Inches					
		50 yds	100 yds	150 yds	175 yds	200 yds	250 yds
.22LR	36 gr	0	-5.64	-19.94	-30.79	-44.32	-80.12
.22LR	38 gr	0	-5.57	-19.67	-30.34	-43.64	-78.8
.22LR	40 gr	0	-5.64	-19.82	-30.51	-43.8	-78.8