

Trajectory (Simplified)

Input Data

Manufacturer: Sierra Description: BlitzKing™
Caliber: 0.200 in Weight: 32.0 gr
Ballistic Coefficients: 0.179 [0-2225], 0.189 [2225-3300], 0.204 [3300-3625], 0.218 [3625-3950], 0.221 [3950-5000] G1
Muzzle Velocity: 3900.0 ft/s
Sight Height: 1.50 in **Line Of Sight Angle:** 0.0 deg
Cant Angle: 0.0 deg
Wind Speed: 5.0 mph **Target Speed:** 0.0 mph
Temperature: 59.0 °F **Pressure:** 29.92 in Hg
Humidity: 0.0 % **Altitude:** 0.0 ft
Std. Atmosphere at Altitude: No **Pressure is Corrected:** Yes
Zero at Max. Point Blank Range: No **Target Relative Drops:** Yes
Column 1 Units: 1.00 in **Column 2 Units:** 1.00 MOA
Round Output to Whole Numbers: No

Output Data

Elevation: 2.638 MOA **Windage:** 0.000 MOA
Atmospheric Density: 0.07647 lb/ft³ **Speed of Sound:** 1116.4 ft/s
Maximum PBR: 385 yd **Maximum PBR Zero:** 334 yd
Range of Maximum Height: 194 yd **Energy at Maximum PBR:** 275.4 ft•lbs
Sectional Density: 0.114 lb/in²

Calculated Table

Range (yd)	Drop (in)	Drop (MOA)	Windage (in)	Windage (MOA)	Velocity (ft/s)	Mach (none)	Energy (ft•lbs)	Time (s)	Lead (in)	Lead (MOA)
0	-1.5	***	0.0	***	3900.0	3.493	1080.6	0.000	0.0	***
100	-0.0	-0.0	0.5	0.5	3354.2	3.004	799.3	0.083	0.0	0.0
200	-1.6	-0.8	2.3	1.1	2823.8	2.529	566.5	0.180	0.0	0.0
300	-7.7	-2.4	5.8	1.9	2348.1	2.103	391.7	0.297	0.0	0.0
400	-20.1	-4.8	11.5	2.8	1905.0	1.706	257.8	0.439	0.0	0.0
500	-42.3	-8.1	20.3	3.9	1516.4	1.358	163.4	0.615	0.0	0.0
600	-79.9	-12.7	33.1	5.3	1214.7	1.088	104.8	0.837	0.0	0.0
700	-141.1	-19.3	50.1	6.8	1030.2	0.923	75.4	1.108	0.0	0.0