

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	***
25	-0.9	-3.4	0.0	0.1	3761.2	3.369	1005.0	0.020	0.0	0.0
50	-0.4	-0.8	0.1	0.2	3627.0	3.249	934.6	0.040	0.0	0.0
75	-0.1	-0.2	0.3	0.4	3488.4	3.125	864.5	0.061	0.0	0.0
100	-0.0	-0.0	0.5	0.5	3354.2	3.004	799.3	0.083	0.0	0.0
125	-0.1	-0.1	0.8	0.6	3218.3	2.883	735.8	0.106	0.0	0.0
150	-0.4	-0.2	1.2	0.8	3082.7	2.761	675.1	0.130	0.0	0.0
175	-0.9	-0.5	1.7	1.0	2951.3	2.643	618.8	0.154	0.0	0.0

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200	-1.6	-0.8	2.3	1.1	2823.8	2.529	566.5	0.180	0.0	0.0
225	-2.7	-1.1	3.0	1.3	2700.0	2.418	517.9	0.208	0.0	0.0
250	-4.0	-1.5	3.8	1.5	2579.5	2.310	472.7	0.236	0.0	0.0
275	-5.7	-2.0	4.8	1.7	2462.3	2.205	430.7	0.266	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
325	-10.1	-3.0	7.0	2.1	2236.9	2.004	355.5	0.330	0.0	0.0
350	-12.9	-3.5	8.3	2.3	2123.3	1.902	320.3	0.364	0.0	0.0
375	-16.3	-4.1	9.8	2.5	2012.4	1.802	287.7	0.400	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
425	-24.6	-5.5	13.4	3.0	1801.4	1.614	230.5	0.479	0.0	0.0
450	-29.7	-6.3	15.5	3.3	1701.9	1.524	205.8	0.522	0.0	0.0
475	-35.6	-7.2	17.8	3.6	1606.7	1.439	183.4	0.567	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
525	-50.0	-9.1	23.1	4.2	1431.5	1.282	145.6	0.666	0.0	0.0
550	-58.7	-10.2	26.1	4.5	1352.4	1.211	129.9	0.720	0.0	0.0
575	-68.7	-11.4	29.5	4.9	1280.0	1.146	116.4	0.777	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
625	-92.6	-14.2	37.0	5.6	1157.4	1.037	95.2	0.901	0.0	0.0
650	-107.0	-15.7	41.1	6.0	1108.0	0.992	87.2	0.967	0.0	0.0
675	-123.1	-17.4	45.5	6.4	1066.1	0.955	80.7	1.036	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
725	-161.2	-21.2	54.9	7.2	999.0	0.895	70.9	1.182	0.0	0.0
750	-183.4	-23.4	59.9	7.6	971.4	0.870	67.0	1.258	0.0	0.0
775	-208.0	-25.6	65.1	8.0	946.5	0.848	63.6	1.336	0.0	0.0
800	-235.0	-28.0	70.5	8.4	923.6	0.827	60.6	1.416	0.0	0.0

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