

Trajectory (Simplified)										
Input Data										
Manufacturer:			Sierra Description:				MatchKing™ (Litz)			
Caliber:			0.308 in Weight:				168.0 gr			
Ballistic Coefficient:			0.218 G7 (ICA0)							
Muzzle Velocity:			2800.0 ft/s							
Sight Height:			1.50 in Line Of Sight Angle:				0.0 deg			
Cant Angle:			0.0 deg							
Wind Speed:			10.0 mph Target Speed:				10.0 mph			
Temperature:			59.0 °F Pressure:				29.92 in Hg			
Humidity:			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:			3.663 MOA Windage:				0.000 MOA			
Atmospheric Density:			0.07647 lb/ft³ Speed of Sound:				1116.4 ft/s			
Maximum PBR:			335 yd Maximum PBR Zero:				285 yd			
Range of Maximum Height:			157 yd Energy at Maximum PBR:				2284.6 J			
Sectional Density:			0.253 lb/in²							
Calculated Table										
Range	Drop	Drop	Windage	Windage	Velocity	Mach	Energy	Time	Lead	Lead
(yd)	(in)	(MOA)	(in)	(MOA)	(ft/s)	(none)	(J)	(s)	(in)	(MOA)
0	-1.5	***	0.0	***	2800.0	2.508	3964.6	0.000	0.0	***
100	-0.0	-0.0	0.8	0.7	2587.9	2.318	3386.6	0.111	19.6	18.7
200	-3.7	-1.8	3.2	1.5	2384.7	2.136	2875.8	0.232	40.9	19.5
300	-13.5	-4.3	7.4	2.4	2191.0	1.962	2427.6	0.363	64.0	20.4
400	-30.6	-7.3	13.7	3.3	2006.9	1.798	2036.8	0.507	89.2	21.3
500	-56.4	-10.8	22.4	4.3	1831.3	1.640	1695.8	0.663	116.7	22.3
600	-92.5	-14.7	33.8	5.4	1663.0	1.490	1398.5	0.835	146.9	23.4
700	-141.3	-19.3	48.4	6.6	1501.6	1.345	1140.3	1.025	180.4	24.6
800	-205.5	-24.5	66.6	8.0	1347.7	1.207	918.5	1.236	217.5	26.0
900	-289.0	-30.7	89.3	9.5	1203.0	1.078	731.9	1.471	259.0	27.5
1000	-396.6	-37.9	116.9	11.2	1081.0	0.968	590.9	1.736	305.4	29.2
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