

Trajectory Input Data

Manufacturer:	Lehigh	Description:	Match Bore Rider - Heavy
Caliber:	0.510 in	Weight:	815.0 gr
Ballistic Coefficient:	1.128 G1		
Muzzle Velocity:	2850.0 ft/s	Distance to Chronograph:	10.0 ft
Sight Height:	1.50 in	Sight Offset:	0.00 in
Zero Height:	0.00 in	Zero Offset:	0.00 in
Windage:	0.000 MOA	Elevation:	0.000 MOA
Line Of Sight Angle:	0.0 deg	Cant Angle:	0.0 deg
Wind Speed:	10.0 mph	Wind Angle:	90.0 deg
Target Speed:	10.0 mph	Target Angle:	90.0 deg
Target Height:	12.0 in		
Temperature:	70.0 °F	Pressure:	29.92 in Hg
Humidity:	80.0 %	Altitude:	900.0 ft
Vital Zone Radius:	5.0 in		
Std. Atmosphere at Altitude:	No	Pressure is Corrected:	Yes
Zero at Max. Point Blank Range:	No	Target Relative Drops:	Yes
Mark Sound Barrier Crossing:	No	Include Extra Rows:	No
Column 1 Units:	1.00 in	Column 2 Units:	1.00 MOA
Round Output to Whole Numbers:	No		

Output Data

Elevation:	25.100 MOA	Windage:	0.000 MOA
Atmospheric Density:	0.07192 lb/ft ³	Speed of Sound:	1128.3 ft/s
Maximum PBR:	371 yd	Maximum PBR Zero:	312 yd
Range of Maximum Height:	169 yd	Energy at Maximum PBR:	11907.8 ft·lbs
Sectional Density:	0.448 lb/in ²		

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	***	2852.7	2.528	14724.0	0.000	0.0	***
100	22.6	21.6	0.3	0.3	2773.4	2.458	13916.8	0.107	18.8	17.9
200	42.2	20.1	1.1	0.5	2695.5	2.389	13145.9	0.216	38.1	18.2
300	57.0	18.1	2.4	0.8	2618.9	2.321	12409.7	0.329	58.0	18.4
400	66.7	15.9	4.4	1.0	2543.6	2.254	11706.6	0.446	78.4	18.7
500	71.1	13.6	6.9	1.3	2469.6	2.189	11035.1	0.565	99.5	19.0
600	69.8	11.1	10.1	1.6	2396.8	2.124	10394.2	0.689	121.2	19.3
700	62.4	8.5	14.0	1.9	2325.2	2.061	9782.6	0.816	143.5	19.6
800	48.6	5.8	18.5	2.2	2254.8	1.999	9199.3	0.947	166.6	19.9
900	27.9	3.0	23.8	2.5	2185.6	1.937	8643.2	1.082	190.4	20.2
1000	-0.0	-0.0	29.8	2.8	2117.6	1.877	8113.8	1.221	214.9	20.5