

Trajectory (Simplified)

Input Data

Ballistic Coefficient: 0.140 G1 **Caliber:** 0.224 in
Bullet Weight: 45.0 gr
Muzzle Velocity: 985.5 ft/s
Sight Height: 1.72 in **Line Of Sight Angle:** 0.0 deg
Cant Angle: 0.0 deg
Wind Speed: 10.0 mph **Target Speed:** 10.0 mph
Temperature: 55.0 °F **Pressure:** 28.77 in Hg
Humidity: 55 % **Altitude:** 946.0 ft
Std. Atmosphere at Altitude: No **Pressure is Corrected:** No
Zero at Max. Point Blank Range: No **Target Relative Drops:** Yes
Column 1 Units: 1.00 in **Column 2 Units:** 1.00 mil
Round Output to Whole Numbers: No

Output Data

Elevation: 12.222 MOA **Windage:** 0.000 MOA
Atmospheric Density: 0.07386 lb/ft³ **Speed of Sound:** 1112.1 ft/s
Maximum PBR: 125 yd **Maximum PBR Zero:** 106 yd
Range of Maximum Height: 58 yd **Energy at Maximum PBR:** 72.4 ft•lbs
Sectional Density: 0.128 lb/in²

Calculated Table

Range (yd)	Drop (in)	Drop (mil)	Windage (in)	Windage (mil)	Velocity (ft/s)	Mach (none)	Energy (ft•lbs)	Time (s)	Lead (in)	Lead (mil)
0	-1.7	***	0.0	***	985.5	0.886	97.0	0.000	0.0	***
50	-0.0	-0.0	0.9	0.5	924.1	0.831	85.3	0.157	27.7	15.4
100	-8.5	-2.3	3.5	1.0	873.7	0.786	76.3	0.324	57.1	15.9
150	-28.3	-5.2	7.7	1.4	830.0	0.746	68.8	0.501	88.1	16.3
200	-60.7	-8.4	13.6	1.9	790.9	0.711	62.5	0.686	120.7	16.8
250	-107.1	-11.9	20.9	2.3	755.0	0.679	56.9	0.880	154.9	17.2
300	-168.7	-15.6	30.0	2.8	721.5	0.649	52.0	1.083	190.7	17.7
350	-247.0	-19.6	40.6	3.2	690.1	0.620	47.6	1.296	228.1	18.1
400	-343.7	-23.9	53.0	3.7	660.6	0.594	43.6	1.519	267.3	18.6

24-Apr-20 14:51, [JBM/jbmtraj_simp-5.1.cgi](#)