

Ballistic Performance Comparison

5.56 NATO (M4) 14.5" Barrel * VS * 7.62 x 39 (AK) 16" Barrel

Yards	ENERGY (Foot Pounds)		VELOCITY (Feet per Second)	
	5.56 NATO	7.62 x 39	5.56 NATO	7.62 x 39
Muzzle	1119	1445	2850	2300
50	1012	1267	2712	2154
100	915	1107	2577	2013
150	824	963	2447	1878
200	741	835	2320	1749
250	665	723	2197	1627
300	595	625	2078	1513
350	530	541	1962	1408
400	472	471	1851	1313
450	419	413	1744	1229
500	371	366	1642	1158

Yards	BULLET PATH (drop in Inches) Zeroed Range – 100 yards		WIND DRIFT (Inches) 3 O'clock Wind @ 5 MPH	
	5.56 NATO	7.62 x 39	5.56 NATO	7.62 x 39
50	-0.16	0.19	.12	.19
100	0.00	0.00	.48	.79
150	-1.15	-2.34	1.10	1.84
200	-3.75	-7.14	2.01	3.39
250	-7.97	-14.79	3.23	5.48
300	-13.99	-25.73	4.77	8.16
350	-22.03	-40.48	6.68	11.47
400	-32.32	-59.61	8.97	15.44
450	-45.16	-83.79	11.69	20.10
500	-60.85	-113.73	14.86	25.44

Conditions: Altitude 2000' feet ASL, Temp 75 degrees, Humidity 15%, Pressure 29.85 Hg.

Load: 5.56 x 45-mm NATO: M855 62 grain Steel Core Penetrator FMJ-BT (green tip), G1 BC: 0.307

Load: 7.62 x 39-mm: 123 grain FMJ, G1 BC: .256

Data calculated on Oehler's Ballistic Explorer Program