

Ballistic Performance Comparison

6.8 x 45 UCC 16" Barrel * VS * 5.56 NATO 16" Barrel

Yards	ENERGY (Foot Pounds)		VELOCITY (Feet per Second)	
	6.8 x 45 UCC	5.56 NATO	6.8 X 45 UCC	5.56 NATO
Muzzle	1596	1158	2500	2900
50	1456	1049	2388	2760
100	1326	948	2279	2624
150	1205	855	2172	2492
200	1093	770	2069	2364
250	989	691	1968	2240
300	894	619	1871	2120
350	806	552	1777	2003
400	726	492	1686	1890
450	653	437	1599	1782
500	588	388	1517	1678

Yards	BULLET PATH (drop in Inches) Zeroed range – 100 yards		WIND DRIFT (Inches) 3 o'clock wind @ 5 MPH	
	6.8 X 45 UCC	5.56 NATO	6.8 X 45 UCC	5.56 NATO
50	0.01	-0.18	.12	.11
100	0.00	0.00	.50	.47
150	-1.69	-1.08	1.15	1.08
200	-5.21	-3.57	2.10	1.96
250	-10.78	-7.61	3.36	3.15
300	-18.58	-13.38	4.96	4.65
350	-28.87	-21.09	6.92	6.51
400	-41.92	-30.96	9.27	8.74
450	-58.02	-43.28	12.03	11.38
500	-77.53	-58.33	15.23	14.47

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

Load: 6.8 x 45-mm UCC: Nosler 115 grain BTHP-OTM, G1 BC: 0.352

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

Data calculated on Oehler's Ballistic Explorer Program