

Ballistic Performance Comparison

6.8 x 45 UCC 10.5" Barrel * VS * 5.56 NATO (M16A4) 20.0" 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	1351	1323	2300	3100
50	1228	1201	2193	2954
100	1115	1089	2089	2812
150	1009	985	1988	2675
200	912	889	1890	2541
250	823	801	1795	2412
300	741	720	1704	2286
350	667	645	1616	2164
400	600	576	1533	2046
450	540	514	1454	1932
500	487	457	1381	1822

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	0.15	-0.25	0.14	0.10
100	0.00	0.00	0.57	0.43
150	-2.15	-0.85	1.31	0.98
200	-6.49	-2.91	2.38	1.79
250	-13.28	-6.32	3.81	2.86
300	-22.76	-11.23	5.62	4.22
350	-35.24	-17.80	7.83	5.90
400	-51.04	-26.22	10.48	7.92
450	-70.55	-36.72	13.59	10.30
500	-94.17	-49.56	17.17	13.08

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

