

Ballistic Performance Comparison

6.8 x 45-mm UCC 10.5" Barrel * VS * 5.56-mm NATO 10.5" 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	931	2300	2600
50	1228	839	2193	2469
100	1115	755	2089	2342
150	1009	677	1988	2218
200	912	606	1890	2098
250	823	541	1795	1982
300	741	482	1704	1870
350	667	428	1616	1762
400	600	379	1533	1660
450	540	336	1454	1562
500	487	298	1381	1470

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	-0.04	0.14	0.13
100	0.00	0.00	0.57	0.55
150	-2.15	-1.55	1.31	1.26
200	-6.49	-4.87	2.38	2.30
250	-13.28	-10.16	3.81	3.70
300	-22.76	-17.67	5.62	5.48
350	-35.24	-27.66	7.83	7.68
400	-51.04	-40.46	10.48	10.32
450	-70.55	-56.41	13.59	13.44
500	-94.17	-75.93	17.17	17.08

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

