

# Ballistic Performance Comparison

6.8 x 45 UCC 10.5" Barrel \* VS \* 7.62 x 39 (AK) 16" Barrel

Yards	ENERGY (Foot Pounds)		VELOCITY (Feet per Second)	
	6.8 x 45 UCC	7.62 x 39 AK	6.8 X 45 UCC	7.62 x 39 AK
Muzzle	1351	1445	2300	2300
50	1228	1267	2193	2154
100	1115	1107	2089	2013
150	1009	963	1988	1878
200	912	835	1890	1749
250	823	723	1795	1627
300	741	625	1704	1513
350	667	541	1616	1408
400	600	471	1533	1313
450	540	413	1454	1229
500	487	366	1381	1158

Yards	BULLET PATH (drop in Inches) Zeroed range – 100 yards		WIND DRIFT (Inches) 3 o'clock wind @ 5 MPH	
	6.8 X 45 UCC	7.62 x 39 AK	6.8 X 45 UCC	7.62 x 39 AK
50	0.15	0.19	0.14	0.19
100	0.00	0.00	0.57	0.79
150	-2.15	-2.34	1.31	1.84
200	-6.49	-7.14	2.38	3.39
250	-13.28	-14.79	3.81	5.48
300	-22.76	-25.73	5.62	8.16
350	-35.24	-40.48	7.83	11.47
400	-51.04	-59.61	10.48	15.44
450	-70.55	-83.79	13.59	20.10
500	-94.17	-113.73	17.17	25.44

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

Data calculated on Oehler's Ballistic Explorer Program

