

5.56 NATO – 7.62 NATO – 6.8 SPC – 6.5 GRENDAL

	Round: Bullet:	5.56 NATO M262 77 Grains .340 BC	6.8 SPC Sierra 115 Grains .340 BC	6.5 Grendel 108 Scenar Lapua .481 BC	7.62 NATO M118LR 175 Grains .496 BC	6.5 Grendel 123 Scenar Lapua .542 BC	7.62 NATO M80 147 Grains .418 BC	6.5 Grendel 144 FMJBT Lapua .587 BC
Ammunition Weight	300 Rounds	9.0 lbs	11.5 lbs	10.8 lbs	15.0 lbs	11.5 lbs	13.8 lbs	12.4 lbs
Supersonic Velocity	Maximum Range	750 meters	750 meters	1,000 meters	950 meters	1,000+ meters	875 meters	1,000+ meters
500 Ft Lbs Energy	Maximum Range	425 meters	500 meters	750 meters	975 meters	850 meters	800 meters	950 meters
Muzzle	Velocity	2750	2700	2700	2500	2600	2700	2450
	Energy	1293	1861	1748	2429	1846	2379	1919
100m	Velocity	2469	2422	2502	2316	2427	2473	2296
	Energy	1042	1498	1501	2084	1609	1995	1685
	Drop	+5.77	+6.06	+5.37	+6.55	+5.76	+5.61	+6.61
	Drift	1.16	1.20	0.83	0.90	0.78	0.96	0.78
200m	Velocity	2205	2161	2312	2139	2261	2256	2147
	Energy	831	1192	1282	1779	1397	1662	1474
	Drop	+7.18	+7.51	+6.58	+7.82	+6.95	+6.90	+7.82
	Drift	4.92	5.05	3.46	3.75	3.21	4.02	3.22
300m	Velocity	1957	1916	2130	1971	2102	2051	2004
	Energy	655	938	1088	1509	1206	1373	1284
	Drop	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Drift	11.72	12.05	8.09	8.77	7.49	9.48	7.50
400m	Velocity	1728	1691	1957	1811	1949	1857	1866
	Energy	511	730	919	1274	1037	1126	1114
	Drop	-18.09	-18.89	-15.77	-18.55	-16.38	-16.82	-18.19
	Drift	22.12	22.75	14.98	16.24	13.81	17.68	13.79
500m	Velocity	1521	1488	1793	1661	1803	1676	1736
	Energy	396	565	771	1072	888	917	963
	Drop	-50.18	-52.41	-42.41	-49.81	-43.73	-45.73	-48.34
	Drift	36.76	37.80	24.42	26.44	22.41	29.03	22.30
600m	Velocity	1341	1313	1640	1521	1666	1511	1612
	Energy	308	440	645	899	758	745	831
	Drop	-100.32	-104.79	-82.02	-96.18	-83.88	-89.50	-92.31
	Drift	56.24	57.77	36.72	39.69	33.52	43.94	33.26
700m	Velocity	1195	1174	1498	1395	1538	1363	1497
	Energy	244	352	538	756	646	607	717
	Drop	-173.65	-181.35	-137.14	-160.56	-139.05	-151.53	-152.30
	Drift	80.94	83.00	52.20	56.26	47.40	62.82	46.86
800m	Velocity	1088	1073	1370	1283	1420	1238	1392
	Energy	202	294	450	639	550	500	619
	Drop	-276.07	-288.05	-210.83	-246.35	-211.84	-235.95	-230.86
	Drift	110.71	113.19	71.15	76.37	64.30	85.94	63.32
900m	Velocity	1012	1001	1259	1188	1314	1138	1296
	Energy	175	256	380	570	471	423	537
	Drop	-413.57	-430.83	-306.72	-357.43	-305.29	-347.58	-330.92
	Drift	144.85	147.63	93.79	100.10	84.41	113.31	82.78
1000m	Velocity	954	945	1166	1113	1222	1063	1213
	Energy	156	228	326	481	408	368	471
	Drop	-591.67	-615.11	-428.88	-497.96	-422.87	-491.29	-455.76
	Drift	182.73	185.82	120.15	127.31	107.83	144.55	105.30

- All calculations are based on 20-inch barrels using a G1 drag profile.
- Ballistic Coefficients for 5.56 NATO, 7.62 NATO and 6.8 Rem SPC as advertised by Nosler, Sierra and Remington.
- Ballistic Coefficients for 6.5 Grendel based on actual velocity measurements taken at muzzle and 600 yards.
- Conditions are 70 degrees and 50% humidity at an altitude of 50 feet above sea level.
- Drift is based on a 10 mph crosswind.