

Cartridge (Wb@MV)	Grain weight	Summary												
		Rifle Weight	Recoil energy	Recoil velocity	Sec Density	Balistic Coef	V/E Muzzle	Velocity 100	Energy 100	Velocity 200	Energy 200	V/E 300	KPS@100 yd	KPS@200 yd
.50 BMG (647 at 2710)	647	30	70	12.3			2815/13196	2727	12386	2641	11619	2557/10889	776.17	727.99
45-70 (350 at 1900)	350	7	37.9	18.7	0.221	0.23	2000/2886	1685	2049	1413	1441	1197/1035	86.72	60.98
.300 WSM (180 at 2970)	180	8.25	23.8	13.6			2970/3526	2755	3034	2549	2598	2353/2214	61.32	52.49
.300 WSM (180 at 2970)	180	7.25	27.1	15.5			2970/3526	2755	3034	2549	2598	2353/2214	61.32	52.49
45-70 (300 at 1800)	300	7	23.9	14.8			1880/2355	1650	1815	1430	1355	1240/1015	61.09	45.89
.300 Win. Mag. (180 at 2960)	180	8.5	25.9	14			2960/3501	2745	3011	2540	2578	2344/2196	60.87	52.12
.300 Win. Mag. (165 at 3110)	165	8	26.2	14.5			3100/3520	2885	3049	2680	2630	2483/2259	56.50	48.75
45-70 (405 at 1330)	405	7.5	18.7	12.7	0.279	0.285	1330/1590	1168	1227	1055	1001	977/858	55.79	45.52
.300 WSM (150 at 3300)	150	8.25	22.5	13.3			3200/3410	2970	2940	2755	2520	2545/2155	49.49	42.58
.30-06 Spfd. (180 at 2700)	180	8	20.3	12.8	0.271	0.452	2700/2913	2469	2436	2250	2023	2042/1666	49.25	40.90
.300 Win. Mag. (150 at 3320)	150	8.5	23.5	13.3	0.226	0.338	3290/3605	2951	2900	2636	2314	2342/1827	48.85	38.98
7mm Rem. Mag. (160 at 2950)	160	9	20.3	12			2950/3091	2766	2718	2590	2382	2420/2080	48.83	42.82
.270 WSM (150 at 3000)	150	8	18.9	12.3			3120/3242	2923	2845	2734	2490	2554/2172	47.93	41.93
<u>7mm Rem. Mag. (154 at 3035)</u>	154	8.5	20.3	12.4	0.273	0.525	3035	2814	2708	2604	2318	2403/1975	46.82	40.10
.308 Win. (165 at 2700)	165	7.5	18.1	12.5	0.248	0.435	2700/2672	2613	2314	2333	1995	2161/1711	46.35	36.95
.308 Win. (180 at 2610)	180	8	17.5	11.9	0.268	0.452	2620/2743	2393	2288	2178	1896	1974/1557	46.26	38.32
7mm Rem. Mag. (150 at 3100)	150	8.5	19.2	12.1			3110/3221	2830	2667	2568	2196	2320/1792	44.93	37.00
.30-06 Spfd. (165 at 2900)	165	8	20.1	12.7	0.248	0.447	2800/2872	2534	2352	2283	1909	2047/1534	43.59	35.38
.270 Win. (150 at 2900)	150	8	17	11.7			2950/2900	2679	2391	2425	1959	2184/1589	40.26	32.99
.270 WSM (130 at 3275)	130	8	18.7	12.3			3281/3108	3047	2681	2825	2305	2614/1973	39.12	33.63
.35 Rem. (200 at 2050)	200	7.5	13.5	10.8	0.223	0.3	2225/2198	1963	1711	1722	1317	1505/1006	38.43	29.57
.30-06 Spfd. (150 at 2910)	150	8	17.6	11.9	0.226	0.338	2910/2820	2617	2281	2342	1827	2083/1445	38.42	30.77
.270 Win. (140 at 3000)	140	8	17.1	11.7	0.261	0.486	2950/2705	2751	2352	2560	2038	2378/1757	36.98	32.03
<u>6.5 Creedmoor 143</u>	143		<u>12</u>	<u>9.9</u>	0.625		3000/2898	2620	2180	2494	1976	2372/1786	35.00	31.71
.270 Win. (130 at 3140)	130	8	16.5	n/a	0.242	0.46	3150/2865	2881	2396	2628	1993	2388/1646	34.97	29.10
.308 Win. (150 at 2800)	150	7.5	15.8	11.7	0.226	0.338	2820/2648	2488	2061	2179	1581	1893/1193	34.73	26.64
7mm-08 Rem. (140 at 2860)	140	8	12.6	10.1			2860/2542	2648	2180	2446	1860	2253/1577	34.27	29.24
.44 Rem. Mag. (275 at 1580)	275	7.5	11.4	9.9			1580/1524	1293	1020	1093	730	976/582	31.52	22.53
7mm Rem. Mag. (140 at 2700)	140	8.5	15.5	10.8			2710/2283	2482	1915	2265	1595	2059/1318	30.11	25.07
.30-30 Win. (160 at 2400)	160	7.5	12.7	10.5	0.241	0.33	2400/2046	2151	1643	1917	1305	1700/1027	29.53	23.46
.44 Rem. Mag. (240 at 1760)	240	7.5	11.2	9.8			1760/1650	1380	1015	1114	661	970/501	27.35	17.82
.25-06 Rem. (120 at 3000)	120	8	12.5	10			2990/2382	2730	1985	2484	1644	2252/1351	26.76	22.15
7mm-08 Rem. (120 at 3000)	120	7.5	12.1	10.2	0.213	0.365	3000/2398	2725	1979	2467	1621	2223/1316	26.66	21.85
.30-30 Win. (150 at 2400)	150	7.5	10.6	9.5	0.226	0.295	2400/2046	2151	1643	1917	1305	1700/1027	25.96	20.62
.30-30 Win. (170 at 2200)	170	7.5	11	9.7			2200/1827	1895	1353	1619	989	1381/720	25.88	18.89
.30-06 Spfd. (125 at 2660)	125	8	10.2	n/a	0.188	0.305	2660	2447					23.33	
.38-55 Win. (255 at 1320)	255	7.5	7.8	8.2			1320/987	1190	802	1091	674	1018/587	22.96	19.30
.30-30 Win. (150 at 2364)	150	8	9.4	8.7	0.211	0.186	2390/1902	2018	1356	1684	944	1398/651	22.85	15.91
6.5mm Grendel (123 at 2590)	123	8	7.9	8	0.252	0.51	2590	2406					21.84	0.00
6.5mm Grendel (120 at 2600)	120	7.5	8.9	8.8	0.252	0.506	2600/1801	2413	1551	2234	1330	2062/1133	20.91	17.92
<u>25-06 Rem. (100 at 3230)</u>	<u>100</u>	<u>8</u>	<u>11</u>	<u>9.4</u>			<u>3230/2316</u>	<u>2893</u>	<u>1858</u>	<u>2580</u>	<u>1478</u>	<u>2287/1161</u>	<u>20.87</u>	<u>16.80</u>
.300 Blackout (135 at 2085)	135	8	7	n/a	0.203	0.274	2250/1404	2031	1145	1826	926	1636/743	18.74	15.15
.243 Win. (95 at 3100)	95	7.25	11	9.9			3100/2021	2854	1719	2626	1455	2410/1225	18.33	15.52
.243 Win. (100 at 2960)	100	7.5	8.8	8.7	0.242	0.405	2960/1945	2697	1615	2449	1332	2215/1089	18.14	14.95
.45 Colt (255 at 1100)	255	8	4	5.6			1100/885	921	480	811	372	n/a	13.75	10.66
.357 Mag. (158 at 1650)	158	7	4.7	6.6			1650	1427	715	1138	454	980/337	12.67	8.06
.243 Win. (75 at 3400)	75	8.5	7.2	7.4			3350/1993	2955	1551	2593	1194	2259/906	12.25	9.43
.22-250 Rem. (60 at 3500)	60	12.5	3.1	4			3680/1654	3265	1302	2876	1010	2517/772	9.57	7.42
.22-250 Rem. (55 at 3600)	55	8.5	4.7	6	0.157	0.255	3800/1603	3349	1245	2925	950	2535/713	8.46	6.45
.38-40 Win. (180 at 1100)	180	7.5	3.1	5.2			1160/538	999	399	901	324	827/273	8.06	6.56
.30 Carbine (110 at 1990)	110	7	3.5	5.7			1990/965	1570	600	1240	375	1040/260	7.44	4.64
.223 Rem. (62 at 3025)	62	7	3.9	6	0.194	0.335	3150/1322	2782	1031	2442	795	2127/603	7.42	5.72
.223 Rem. (55 at 3200)	55	8	3.2	5.1	0.157	0.254	3240/1282	2859	998	2507	767	2181/581	6.17	4.74