



# BALLISTICS HORNADY® PRODUCT LINES

- C** Custom™
- DG** Dangerous Game™ Series
- LE** LEVERevolution®
- SF** Superformance®
- T** TAP® FPD™
- V** Varmint Express®
- CD** Critical Defense®
- M** Match
- S** Steel Match
- SM** Superformance® Match
- SV** Superformance® Varmint
- LM** Light Magnum®

## HANDGUN AMMUNITION (METRIC)

Ammo Description				Velocity (m / sec)			Energy (joules)			
CARTRIDGE	Weight (Grams)	BULLET	ITEM #	BARREL LENGTH	MUZZLE	50 m	100 m	MUZZLE	50 m	100 m
<b>C</b> 25 Auto	2.27	35 gr. XTP	90012	2"	274	253	234	85	73	62
<b>C</b> 32 Auto	3.89	60 gr. XTP	90062	4"	305	259	242	181	130	114
<b>C</b> 380 Auto	5.83	90 gr. XTP	90102	4"	305	276	255	271	222	190
<b>CD</b> 380 Auto	5.83	90 gr. FTX	90080	4"	305	276	255	271	222	190
<b>C</b> 9MM Luger	7.45	115 gr. XTP	90252	4"	352	307	278	462	351	288
<b>CD</b> 9MM Luger	7.45	115 gr. FTX	90250	4"	346	303	275	446	342	282
<b>C</b> 9MM Luger	8.04	124 gr. JHP / XTP	90242	4"	338	309	289	460	384	336
<b>T</b> 9MM Luger	8.04	124 gr. TAP-FPD	90248	4"	338	309	289	460	384	336
<b>S</b> 9MM Luger	8.10	125 gr. HAP	90275	4" V	297	279	265	357	315	284
<b>C</b> 9MM Luger	9.53	147 gr. XTP	90282	4"	297	283	272	421	382	353
<b>T</b> 9MM Luger	9.53	147 gr. TAP-FPD	90288	4"	297	283	272	421	382	353
<b>C</b> 9 x 18MM Makarov	6.16	95 gr. XTP	91002	4"	305	286	271	286	252	226
<b>CD</b> 38 Special	7.13	110 gr. FTX	90310	4" V	308	282	228	338	284	185
<b>CD</b> 38 Special+P	7.13	110 gr. FTX	90311	4" V	332	299	276	393	319	272
<b>C</b> 38 Special	8.10	125 gr. XTP	90322	4" V	274	260	246	305	274	245
<b>C</b> 38 Special	10.24	158 gr. XTP	90362	4" V	244	235	226	304	283	262
<b>CD</b> 357 Magnum	8.10	125 gr. FTX	90500	8" V	457	396	348	847	635	490
<b>C</b> 357 Magnum	8.10	125 gr. XTP	90502	8" V	457	396	348	847	635	490
<b>C</b> 357 Magnum	9.07	140 gr. XTP	90552	8" V	411	365	331	768	604	497
<b>LE</b> 357 Magnum	9.07	140 gr. FTX	92755	8" V	439	391	352	874	693	562
<b>C</b> 357 Magnum	10.24	158 gr. XTP	90562	8" V	381	347	322	743	616	531
<b>C</b> 357 SIG	8.04	124 gr. XTP	9130	4"	411	364	330	681	533	438
<b>C</b> 357 SIG	9.53	147 gr. XTP	9131	4"	373	343	320	664	561	488
<b>C</b> 40 S&W	10.04	155 gr. XTP	9132	4"	360	321	295	649	517	437
<b>T</b> 40 S&W	10.04	155 gr. TAP-FPD	91328	4"	360	321	295	649	517	437
<b>CD</b> 40 S&W	10.69	165 gr. FTX	91340	3"	358	322	296	686	554	468
<b>S</b> 40 S&W	11.66	180 gr. HAP	91362	PENDING R&D						
<b>C</b> 40 S&W	11.66	180 gr. XTP	9136	4"	290	274	260	489	438	394
<b>T</b> 40 S&W	11.66	180 gr. TAP-FPD	91368	4"	290	274	260	489	438	394
<b>C</b> 10MM Auto	10.04	155 gr. XTP	9122	5"	386	338	307	746	574	473
<b>C</b> 10MM Auto	11.66	180 gr. XTP	9126	5"	360	326	302	754	620	532
<b>C</b> 10MM Auto	12.96	200 gr. XTP	9129	5"	320	301	286	664	587	530
<b>C</b> 44-40 Cowboy	13.28	205 gr. Cowboy	9075	7½" V	221	212	203	316	291	267
<b>CD</b> 44 Special	10.69	165 gr. FTX	90700	2½" V	260	246	234	361	324	293
<b>C</b> 44 Special	11.66	180 gr. XTP	9070	7½" V	305	283	266	542	467	413
<b>C</b> 44 Rem Mag	11.66	180 gr. XTP	9081	7½" V	472	403	350	1301	947	714
<b>C</b> 44 Rem Mag	12.96	200 gr. XTP	9080	7½" V	457	402	358	1355	1047	831
<b>LE</b> 44 Rem Mag	14.58	225 gr. FTX	92782	7½" V	430	382	345	1346	1064	868
<b>C</b> 44 Rem Mag	15.55	240 gr. XTP	9085	7½" V	411	366	333	1308	1035	857
<b>C</b> 44 Rem Mag	19.44	300 gr. XTP	9088	7½" V	351	329	312	1194	1052	946
<b>C</b> 45 Auto	11.99	185 gr. XTP	9090	5"	296	260	246	524	405	363
<b>CD</b> 45 Auto	11.99	185 gr. FTX	90900	3"	274	258	244	451	399	357
<b>C</b> 45 Auto	12.96	200 gr. XTP	9112	5"	274	260	246	488	438	392
<b>T</b> 45 Auto+P	12.96	200 gr. TAP-FPD	91128	5"	322	279	263	670	504	448
<b>C</b> 45 Auto+P	12.96	200 gr. XTP	9113	5"	322	279	263	670	504	448
<b>C</b> 45 Auto+P	14.90	230 gr. XTP	9096	5"	290	276	264	625	568	519
<b>C</b> 45 Auto	14.90	230 gr. FMJ	9097	5"	259	248	239	500	458	426
<b>T</b> 45 Auto+P	14.90	230 gr. TAP-FPD	90958	5"	290	276	264	625	568	519
<b>S</b> 45 ACP	41.90	230 gr. HAP	90985	PENDING R&D						
<b>CD</b> 45 Colt	11.99	185 gr. FTX	92790	3" V	264	249	236	418	372	334
<b>C</b> 45 Colt	16.52	255 gr. Cowboy	9115	4¾" V	221	212	204	403	371	344
<b>LE</b> 45 Colt	14.58	225 gr. FTX	92792	4¾" V	293	278	265	624	563	512
<b>C</b> 454 Casull	15.55	240 gr. XTP MAG	9148	7½" V	579	505	440	2608	1983	1505
<b>C</b> 454 Casull	19.44	300 gr. XTP MAG	9150	7½" V	503	445	394	2458	1925	1509
<b>LE</b> 460 S&W	12.96	200 gr. FTX	9152	838" V	671	602	538	2914	2348	1876
<b>C</b> 475 Linebaugh	25.92	400 gr. XTP MAG	9140	7½" V	396	356	327	2035	1642	1386
<b>C</b> 480 Ruger	21.06	325 gr. XTP MAG	9138	7½" V	411	360	324	1783	1365	1105
<b>C</b> 480 Ruger	25.92	400 gr. XTP MAG	9144	7½" V	335	311	293	1457	1254	1113
<b>C</b> 50 AE	19.44	300 gr. XTP	9245	6"	450	377	327	1965	1381	1039
<b>LE</b> 500 S&W	19.44	300 gr. FTX	9249	8½" V	594	535	480	3434	2782	2239
<b>C</b> 500 S&W	22.68	350 gr. XTP MAG	9250	8½" V	518	445	384	3045	2246	1672
<b>C</b> 500 S&W	32.40	500 gr. FP-XTP	9252	8½" V	396	357	327	2543	2065	1732

# RIFLE AMMUNITION (METRIC)

Ammo Description				Velocity (m/sec) / Energy (joules)						Trajectory Tables (cm)					
CARTRIDGE	Weight (Grams)	BULLET	ITEM #	MUZZLE	100 m	200 m	300 m	400 m	500 m	MUZZLE	100 m	200 m	300 m	400 m	500 m
V	17 Mach 2	0.99	15.5 gr. NTX	83176	625 / 193	426 / 90	313 / 48	264 / 34	-	-	-4	0	-16	-203	-
V	17 Mach 2	1.10	17 gr. V-MAX	83177	640 / 225	453 / 113	332 / 61	277 / 42	-	-	-4	0	-46	-180	-
V	17 HMR	0.99	15.5 gr. NTX	83171	770 / 293	540 / 144	371 / 68	291 / 42	-	-	-4	0	-32	-136	-
V	17 HMR	1.10	17 gr. V-MAX	83170	777 / 332	563 / 174	396 / 86	306 / 51	-	-	-4	0	-28	-120	-
V	17 HMR	1.30	20 gr. XTP	83172	724 / 341	545 / 193	402 / 105	318 / 66	-	-	-4	0	-30	-122	-
V	204 Ruger	1.94	30 gr. NTX	83209	PENDING R&D										
V	204 Ruger	2.07	32 gr. V-MAX (24"Bbl)	83204	1288 / 1717	1096 / 1243	929 / 893	781 / 631	648 / 435	530 / 291	-4	2	0	-14	-44
V	204 Ruger	2.59	40 gr. V-MAX (24"Bbl)	83206	1189 / 1831	1050 / 1428	925 / 1108	811 / 852	706 / 645	609 / 480	-4	3	0	-14	-43
V	204 Ruger	2.92	45 gr. SP (24"Bbl)	83208	1105 / 1782	960 / 1346	829 / 1003	710 / 736	602 / 529	504 / 371	-4	3	0	-18	-55
V	5.45 x 39MM	3.89	60 gr. V-MAX Steel	8124	856 / 1424	744 / 1076	641 / 799	546 / 580	462 / 415	393 / 300	-4	7	0	-31	-95
V	22 WMR	1.94	30 gr. V-MAX	83202	671 / 437	541 / 284	431 / 180	351 / 120	-	-	-4	0	-30	-114	-
V	22 Hornet	2.27	35 gr. V-MAX	83202	936 / 994	663 / 499	446 / 226	318 / 115	265 / 80	230 / 60	-4	10	0	-61	-218
SV	222 Rem	2.27	35 gr. NTX	8309	PENDING R&D										
V	222 Rem	2.59	40 gr. V-MAX	8310	1097 / 1558	923 / 1103	768 / 764	631 / 516	509 / 336	408 / 216	-4	4	0	-21	-67
SV	222 Rem	3.24	50 gr. V-MAX	8316	1020 / 1685	882 / 1260	757 / 928	643 / 670	5404 / 472	450 / 328	-4	4	0	-22	-67
V	223 Rem	2.59	40 gr. V-MAX	8325	1158 / 1737	975 / 1231	815 / 860	672 / 585	546 / 386	437 / 247	-4	3	0	-18	-58
SV	223 Rem	2.27	40 gr. NTX	83266	PENDING R&D										
SV	223 Rem	3.43	53 gr. V-MAX	8025	1056 / 1915	937 / 1508	828 / 1177	727 / 908	633 / 688	547 / 514	-4	4	0	-18	-55
S	223 Rem	3.56	55 gr. HP	80274	PENDING R&D										
V	223 Rem	3.56	55 gr. V-MAX	8327	988 / 1738	859 / 1313	742 / 980	635 / 718	538 / 515	452 / 364	-4	5	0	-23	-70
V	223 Rem	3.56	55 gr. V-MAX w / Moly	83273	988 / 1738	859 / 1313	742 / 980	635 / 718	538 / 515	452 / 364	-4	5	0	-23	-70
SF	223 Rem	3.56	55 gr. GMX	83274	PENDING R&D										
ST	223 Rem	3.56	55 gr. TAP-FPD	83278	988 / 1738	859 / 1313	742 / 980	635 / 718	538 / 515	452 / 364	-4	5	0	-23	-70
T	223 Rem	3.89	60 gr. TAP-FPD	83288	949 / 1752	868 / 1465	790 / 1214	718 / 1003	649 / 819	584 / 663	-4	5	0	-20	-60
SM	223 Rem	4.86	75 gr. BTHP	80264	893 / 1938	814 / 1610	740 / 1331	670 / 1091	604 / 886	542 / 714	-4	6	0	-23	-69
M	223 Rem	4.86	75 gr. BTHP Match	8026	850 / 1756	774 / 1456	702 / 1197	634 / 977	570 / 789	511 / 635	-4	6	0	-26	-77
S	223 Rem	4.86	75 gr. BTHP	80261	850 / 1756	774 / 1456	702 / 1197	634 / 977	570 / 789	511 / 635	-4	6	0	-26	-77
T	223 Rem	4.86	75 gr. TAP-FPD	80268	850 / 1756	774 / 1456	702 / 1197	634 / 977	570 / 789	511 / 635	-4	6	0	-26	-77
SF	5.56 NATO	3.56	55 gr. GMX (20"Bbl)	81254	PENDING R&D										
SM	5.56 NATO	4.86	75 gr. BTHP (20"Bbl)	81264	887 / 1912	809 / 1590	735 / 1313	665 / 1075	599 / 872	538 / 703	-4	6	0	-24	-70
V	22-250 Rem	2.59	40 gr. V-MAX	8335	1265 / 2072	1064 / 1466	896 / 1040	745 / 719	610 / 482	491 / 312	-4	2	0	-15	-47
V	22-250 Rem	3.24	50 gr. V-MAX	8336	1158 / 2172	1005 / 1636	869 / 1223	745 / 899	632 / 647	530 / 455	-4	3	0	-16	-50
SV	22-250 Rem	3.24	50 gr. V-MAX	83366	1219 / 2407	1059 / 1817	917 / 1362	789 / 1008	672 / 732	566 / 519	-4	2	0	-27	-67
V	22-250 Rem	3.24	50 gr. V-MAX w / Moly	83363	1158 / 2172	1005 / 1636	869 / 1223	745 / 899	632 / 647	530 / 455	-4	3	0	-16	-50
V	22-250 Rem	3.56	55 gr. V-MAX	8337	1122 / 2241	980 / 1710	852 / 1292	736 / 964	629 / 704	533 / 506	-4	3	0	-17	-52
C	22-250 Rem	3.89	60 gr. SP	8039	1076 / 2252	944 / 1733	823 / 1317	713 / 989	612 / 728	620 / 748	-4	4	0	-18	-56
V	220 Swift	3.24	50 gr. V-MAX w / Moly	83213	1173 / 2229	1019 / 1682	881 / 1257	756 / 926	642 / 668	539 / 471	-4	3	0	-16	-48
V	220 Swift	3.56	55 gr. V-MAX	8324	1122 / 2260	980 / 1724	853 / 1306	737 / 975	631 / 715	535 / 514	-4	3	0	-17	-52
C	220 Swift	3.89	60 gr. HP	8122	1097 / 2341	966 / 1815	847 / 1395	738 / 1059	637 / 789	545 / 578	-4	3	0	-17	-52
SV	243 Win	3.76	58 gr. VMAX	8343	1196 / 2688	1044 / 2048	908 / 1549	784 / 1155	671 / 846	569 / 608	-4	3	0	-15	-45
V	243 Win	3.76	58 gr. V-MAX w / Moly	83423	1143 / 2456	996 / 1865	865 / 1407	745 / 1043	636 / 760	537 / 542	-4	3	0	-16	-50
C	243 Win	4.86	75 gr. HP	8040	1018 / 2518	904 / 1986	798 / 1547	101 / 25	610 / 904	528 / 677	-4	4	0	-20	-59
SF	243 Win	5.18	80 gr. GMX	80456	1044 / 2825	929 / 2237	824 / 1760	726 / 1366	635 / 1045	551 / 787	-4	4	0	-18	-55
SF	243 Win	6.16	95 gr. SST	80463	971 / 2902	879 / 2378	792 / 1931	711 / 1556	635 / 1241	565 / 983	-4	4	0	-20	-60
C	243 Win	6.16	95 gr. SST	80464	899 / 2489	794 / 1942	697 / 1496	607 / 1135	524 / 846	451 / 626	-4	6	0	-26	-79
C	243 Win	6.48	100 gr. BTSP InterLock	8046	902 / 2637	820 / 2179	743 / 1789	670 / 1454	602 / 1174	538 / 938	-4	5	0	-23	-68
SF	6MM Rem	6.16	95 gr. SST	81663	935 / 2691	892 / 2449	805 / 1995	725 / 1618	646 / 1284	575 / 1018	-4	4	0	-19	-58
C	6MM Rem	6.48	100 gr. BTSP InterLock	8166	945 / 2893	865 / 2424	790 / 2022	719 / 1675	652 / 1377	588 / 1120	-4	5	0	-20	-60
SF	257 Roberts +P	7.58	117 gr. SST	81353	898 / 2978	818 / 2741	743 / 2039	671 / 1663	604 / 1347	542 / 1085	-4	5	0	-23	-68
C	257 Roberts +P	7.58	117 gr. BTSP InterLock	8135	847 / 2719	771 / 2253	698 / 1847	630 / 1504	565 / 1210	505 / 967	-4	6	0	-27	-78
SF	25-06 Rem	5.83	90 gr. GMX	81446	PENDING R&D										
SF	25-06 Rem	7.58	117 gr. SST	81453	948 / 3407	865 / 2836	787 / 2348	714 / 1933	687 / 1789	611 / 1415	-4	5	0	-21	-58
C	25-06 Rem	7.58	117 gr. SST	81454	911 / 3145	831 / 2617	755 / 2160	683 / 1768	616 / 1438	553 / 1159	-4	5	0	-22	-66
C	25-06 Rem	7.58	117 gr. BTSP InterLock	8145	847 / 2719	771 / 2253	698 / 1847	630 / 1504	565 / 1210	505 / 967	-4	6	0	-27	-78
SF	6.5X55	9.07	140 gr. SST	85507	834 / 3155	772 / 2703	713 / 2306	657 / 1958	603 / 1649	552 / 1382	-4	6	0	-26	-74
M	6.5 Grendel	7.97	123 gr. A-MAX	8150	789 / 2481	733 / 2141	678 / 1832	626 / 1562	577 / 1327	530 / 1119	-4	7	0	-29	-82
SF	6.5 Creedmoor	7.78	120 gr. GMX	81490	930 / 3363	862 / 2889	797 / 2470	763 / 2263	676 / 1777	620 / 1495	-4	5	0	20	59
SF	6.5 Creedmoor	8.36	129 gr. SST	81496	899 / 3378	834 / 2907	773 / 2497	714 / 2131	658 / 1810	603 / 1520	-4	5	0	-22	-62
M	6.5 Creedmoor	7.78	120 gr. A-MAX	81492	887 / 3061	820 / 2616	757 / 2229	696 / 1884	638 / 1583	584 / 1327	-4	5	0	-23	-65
V	6.5 Creedmoor	9.07	140 gr. A-MAX	81494	826 / 3094	772 / 2703	720 / 2351	670 / 2036	622 / 1755	576 / 1505	-4	6	0	-25	-72
M	6.8 SPC	7.13	110 gr. V-MAX (16"Bbl)	8346	777 / 2154	700 / 1747	628 / 1406	594 / 1258	498 / 884	442 / 696	-4	8	0	-33	-98
M	6.8 SPC	7.13	110 gr. BTHP (16"Bbl)	8146	777 / 2154	700 / 1747	696 / 1727	550 / 1078	486 / 842	428 / 653	-4	8	0	-34	-100
C	6.8mm SPC	7.78	120 gr. SST	8347	PENDING R&D										
SF	270 Win	8.42	130 gr. GMX	8052	972 / 3979	901 / 3419	832 / 2916	768 / 2484	706 / 2099	647 / 1763	-4	4	0	-18	-53
SF	270 Win	8.42	130 gr. SST	80543	975 / 4004	904 / 3442	835 / 2937	770 / 2497	708 / 2111	649 / 1774	-4	4	0	-18	-53
C	270 Win	8.42	130 gr. SST	8054	933 / 3665	863 / 3135	797 / 2674	734 / 2268	673 / 1907	616 / 1598	-4	5	0	-20	-59
SF	270 Win	8.42	130 gr. InterBond	80548	975 / 4004	904 / 3442	835 / 2937	770 / 2497	708 / 2111	649 / 1774	-4	4	0	-18	-53
C	270 Win	8.42	130 gr. InterLock	8055	933 / 3665	854 / 3070	781 / 2568	711 / 2128	644 / 1746	582 / 1426	-4	5	0	-21	-61
SF	270 Win	9.07	140 gr. SST	80563	942 / 4025	876 / 3481	814 / 3005	755 / 2586	698 / 2210	643 / 1875	-4	4	0	-19	-56
C	270 Win	9.07	140 gr. BTSP InterLock	8056	896 / 3641	832 / 3139	770 / 2689	712 / 2299	656 / 1952	602 / 1644	-4	5	0	-22	-63
C	270 Win	9.07	150 gr. SP InterLock	80558	866 / 3645	800 / 3110	737 / 2640	676 / 2221	619 / 1862	565 / 1551	-4	6	0	-26	-69
LM	7X57	9.12	139 gr. InterBond	85559	899 / 3640	835 / 3140	773 / 2691	714 / 2296	658 / 1950	605 / 1648	-4	5	0	-22	-62

# RIFLE AMMUNITION (METRIC) CONTINUED

Ammo Description				Velocity (m / sec) / Energy (joules)						Trajectory Tables (cm)					
CARTRIDGE	Weight (Grams)	BULLET	ITEM #	MUZZLE	100 m	200 m	300 m	400 m	500 m	MUZZLE	100 m	200 m	300 m	400 m	500 m
SF	7 x 57 Mauser	9.01 139 gr. GMX	81556	835 / 3140	774 / 2698	715 / 2302	659 / 1956	605 / 1648	554 / 1382	-4	6	0	-26	-74	-149
SF	7 x 57 Mauser	9.01 139 gr. SST	81553	841 / 3185	779 / 2733	720 / 2335	664 / 1986	610 / 1676	559 / 1407	-4	6	0	-25	-73	-146
C	7 x 57 Mauser	9.01 139 gr. BTSP InterLock	8155	817 / 3006	752 / 2547	690 / 2144	631 / 1793	575 / 1489	523 / 1232	-4	7	0	-27	-80	-161
SF	7-08 Rem	9.01 139 gr. GMX	80576	890 / 3567	826 / 3073	765 / 2636	706 / 2245	651 / 1909	598 / 1610	-4	5	0	-22	-64	-129
SF	7-08 Rem	9.01 139 gr. SST	80573	902 / 3664	838 / 3163	776 / 2712	717 / 2315	661 / 1968	605 / 1648	-4	5	0	-21	-62	-125
SF	280 Rem	9.01 139 gr. GMX	81586	939 / 3971	872 / 3424	809 / 2947	749 / 2526	691 / 2150	636 / 1822	-4	5	0	-20	-57	-114
SF	280 Rem	9.01 139 gr. SST	81583	945 / 4022	878 / 3472	815 / 2991	754 / 2560	696 / 2182	641 / 1850	-4	4	0	-19	-56	-113
C	7MM Rem Mag	9.01 139 gr. BTSP InterLock	8059	960 / 888	819 / 754	692 / 3022	754 / 2561	692 / 2157	633 / 1805	-4	4	0	-19	-55	-112
SF	7MM Rem Mag	9.01 139 gr. GMX	80592	972 / 4255	904 / 3680	840 / 3178	778 / 2726	719 / 2328	662 / 1974	-4	4	0	-18	-52	-106
SF	7MM Rem Mag	9.01 139 gr. SST	80593	988 / 4396	919 / 3804	853 / 3277	791 / 2818	731 / 2407	674 / 2046	-4	4	0	-17	-50	-102
SF	7MM Rem Mag	9.98 154 gr. SST	8061	945 / 4456	883 / 3890	824 / 3388	767 / 2935	713 / 2537	661 / 2180	-4	4	0	-19	-54	-109
SF	7MM Rem Mag	9.98 154 gr. InterBond	80628	945 / 4456	883 / 3890	824 / 3388	767 / 2935	713 / 2537	661 / 2180	-4	4	0	-19	-54	-109
C	7MM Rem Mag	9.98 154 gr. SP InterLock	8060	925 / 4270	851 / 3614	782 / 3052	716 / 2558	653 / 2128	593 / 1755	-4	5	0	-21	-61	-124
C	7MM Rem Mag	9.98 154 gr. SST	8062	925 / 4270	864 / 3725	806 / 3242	750 / 2807	696 / 2417	645 / 2076	-4	5	0	-20	-57	-115
SF	7MM Rem Mag	10.50 162 gr. SST	80633	924 / 4481	863 / 3909	804 / 3393	749 / 2945	695 / 2535	644 / 2177	-4	5	0	-20	-57	-115
C	7MM Rem Mag	10.50 162 gr. BTSP InterLock	8063	896 / 4215	835 / 3660	777 / 3170	721 / 2729	668 / 2343	617 / 1999	-4	5	0	-21	-62	-124
C	7MM Wby Mag	9.01 139 gr. GMX	80666	PENDING R&D											
C	7MM Wby Mag	9.98 154 gr. InterBond	80689	975 / 4744	942 / 4428	882 / 3882	823 / 3380	766 / 2928	712 / 2530	-4	4	0	-18	-51	-102
LE	30-30 Win	9.07 140 gr. MonoFlex	82734	762 / 2634	661 / 1982	569 / 1469	486 / 1071	414 / 777	358 / 581	-4	9	0	-40	-122	-261
C	30-30 Win	9.72 150 gr. RN InterLock	8080	728 / 2188	586 / 1401	463 / 878	369 / 578	-	-	-4	0	-25	-97	-	-
LE	30-30 Win	10.37 160 gr. FTX	82730	732 / 2775	649 / 2184	572 / 1696	501 / 1301	438 / 995	385 / 769	-4	10	0	-40	-119	-250
C	30-30 Win	11.02 170 gr. FP InterLock	8085	671 / 2481	537 / 1589	425 / 995	345 / 656	-	-	-4	0	-31	-116	-	-
LE	308 Marlin Express	9.07 140 gr. MonoFlex	82734	853 / 3300	769 / 2682	689 / 2153	615 / 1716	545 / 1347	481 / 1049	-4	6	0	-27	-80	-167
LE	308 Marlin Express	10.37 160 gr. FTX	82733	811 / 3408	741 / 2847	674 / 2355	611 / 1936	552 / 1580	496 / 1276	-4	6	1	-22	-67	-140
T	308 Win	7.13 110 gr. TAP-FPD	80898	965 / 3320	853 / 2594	750 / 2005	655 / 1529	567 / 1146	487 / 846	-4	5	0	-22	-68	-144
SF	308 Win	9.72 150 gr. SST	80933	914 / 4060	838 / 3413	766 / 2852	698 / 2368	634 / 1953	573 / 1596	-4	5	0	-22	-64	-130
SF	308 Win	9.72 150 gr. GMX	8094	896 / 3902	821 / 3276	785 / 2995	716 / 2491	650 / 2053	588 / 1680	-4	5	0	-23	-67	-136
C	308 Win	9.72 150 gr. InterBond	80938	860 / 3591	786 / 3002	717 / 2498	652 / 2066	590 / 1692	531 / 1370	-4	6	0	-25	-73	-150
C	308 Win	9.72 150 gr. BTSP InterLock	8091	860 / 3594	733 / 2611	692 / 2327	616 / 1844	545 / 1444	480 / 1120	-4	6	0	-27	-80	-166
C	308 Win	9.72 150 gr. SST	8093	860 / 3594	786 / 3002	717 / 2498	652 / 2066	590 / 1692	531 / 1370	-4	6	0	-25	-73	-150
M	308 Win Palma	10.04 155 gr. A-MAX	8095PM	869 / 3791	798 / 3197	732 / 2690	668 / 2240	608 / 1856	551 / 1524	-4	6	0	-24	-70	-143
S	308 Win	10.04 155 gr. BTHP	80926	796 / 1424	724 / 1076	656 / 799	593 / 580	533 / 415	478 / 300	-4	7	0	-30	-89	-182
T	308 Win	10.04 155 gr. TAP-FPD	80928	849 / 3618	780 / 3054	714 / 2559	651 / 2127	592 / 1759	536 / 1442	-4	6	0	-25	-74	-151
SF	308 Win	10.69 165 gr. SST	80983	866 / 4009	797 / 3395	732 / 2864	671 / 2407	612 / 2002	557 / 1658	-4	6	0	-24	-70	-142
SF	308 Win	10.69 165 gr. InterBond	80998	838 / 3754	771 / 3178	708 / 2680	647 / 2238	590 / 1861	536 / 1536	-4	6	0	-26	-75	-153
SF	308 Win	10.69 165 gr. GMX	8099	838 / 3754	771 / 3178	708 / 2680	647 / 2238	590 / 1861	536 / 1536	-4	6	0	-26	-75	-153
C	308 Win	10.69 165 gr. BTSP InterLock	8098	823 / 3620	755 / 3047	690 / 2545	629 / 2115	571 / 1743	517 / 1429	-4	7	0	-27	-80	-162
M	308 Win	10.89 168 gr. BTHP Match	8097	823 / 3688	761 / 3153	701 / 2676	644 / 2258	590 / 1895	539 / 1582	-4	7	0	-27	-77	-155
M	308 Win	10.89 168 gr. BTHP Match w / Moly	80973	823 / 3688	757 / 3120	695 / 2630	635 / 2196	579 / 1825	526 / 1507	-4	7	0	-27	-78	-159
M	308 Win	10.89 168 gr. A-MAX	8096	823 / 3688	757 / 3120	695 / 2630	635 / 2196	579 / 1825	526 / 1507	-4	7	0	-27	-78	-159
SM	308 Win	10.89 168 gr. A-MAX	80964	866 / 4082	799 / 3475	735 / 2941	675 / 2480	617 / 2072	563 / 1725	-4	6	0	-24	-70	-142
T	308 Win	10.89 168 gr. TAP-FPD	80968	823 / 3688	757 / 3120	695 / 2630	635 / 2196	579 / 1825	526 / 1507	-4	7	0	-27	-78	-159
SM	308 Win	11.53 178 gr. BTHP	8077	847 / 4137	790 / 3599	763 / 3357	683 / 2690	633 / 2311	585 / 1974	-4	6	0	-24	-69	-139
C	308 Win	14.26 220 gr. RN	8107	707 / 3563	618 / 2722	536 / 2048	463 / 1528	400 / 1140	352 / 883	-4	11	0	-45	-137	-290
SF	30-06 Sprg	9.72 150 gr. SST	81093	940 / 4294	863 / 3620	790 / 3033	720 / 2519	654 / 2079	592 / 1703	-4	5	0	-20	-60	-122
SF	30-06 Sprg	9.72 150 gr. GMX	8112	940 / 4294	863 / 3620	790 / 3033	720 / 2519	654 / 2079	592 / 1703	-4	5	0	-20	-60	-122
C	30-06 Sprg	9.72 150 gr. SP InterLock	8110	887 / 3824	796 / 3079	711 / 2457	631 / 1935	557 / 1508	489 / 1162	-4	6	0	-25	-75	-157
SF	30-06 Sprg	9.72 150 gr. InterBond	81098	939 / 4285	861 / 3603	788 / 3018	719 / 2512	653 / 2072	591 / 1697	-4	5	0	-21	-60	-123
C	30-06 Sprg	9.72 150 gr. SST	8109	887 / 3824	812 / 3204	742 / 2676	675 / 2214	612 / 1820	552 / 1481	-4	6	0	-23	-68	-140
SF	30-06 Sprg	10.69 165 gr. InterBond	81158	902 / 4349	832 / 3701	766 / 3137	702 / 2634	642 / 2203	585 / 1830	-4	5	0	-22	-64	-130
SF	30-06 Sprg	10.69 165 gr. SST	81153	904 / 4369	833 / 3709	767 / 3145	703 / 2642	643 / 2210	586 / 1836	-4	5	0	-22	-64	-129
SF	30-06 Sprg	10.69 165 gr. GMX	8116	898 / 4311	828 / 3665	761 / 3096	698 / 2605	638 / 2176	581 / 1805	-4	5	0	-22	-65	-131
C	30-06 Sprg	10.69 165 gr. BTSP InterLock	8115	853 / 3889	784 / 3285	718 / 2755	655 / 2293	596 / 1899	540 / 1559	-4	6	0	-25	-73	-149
C	30-06 Sprg	10.69 165 gr. SST	81154	853 / 3889	786 / 3302	721 / 2779	660 / 2328	602 / 1937	547 / 1599	-4	6	0	-25	-72	-147
M	30-06 M1 Garand	10.89 168 gr. A-MAX Match	81170	826 / 3715	764 / 3178	704 / 2699	647 / 2279	593 / 1915	542 / 1600	-4	7	0	-26	-76	-154
SF	30-06 Sprg	11.66 180 gr. InterBond	81188	860 / 4313	796 / 3695	736 / 3159	678 / 2681	623 / 2264	570 / 1895	-4	6	0	-24	-69	-140
SF	30-06 Sprg	11.66 180 gr. SST	81183	861 / 4322	798 / 3713	737 / 3167	679 / 2688	624 / 2270	572 / 1907	-4	5	0	-24	-69	-140
C	30-06 Sprg	11.66 180 gr. SP InterLock	8118	823 / 3949	758 / 3350	695 / 2816	636 / 2358	580 / 1961	527 / 1619	-4	7	0	-27	-78	-159
C	30-06 Sprg	11.66 180 gr. SST	81184	823 / 3949	761 / 3376	702 / 2873	646 / 2433	593 / 2050	542 / 1713	-4	7	0	-26	-77	-155
C	30-06	14.26 220 gr. RN	8114	747 / 3977	655 / 3058	570 / 2316	492 / 1725	425 / 1287	370 / 976	-4	10	0	-40	-121	-256
S	30 Carbine	7.13 110 gr. FMJ	8103	PENDING R&D											
SF	30 TC	9.72 150 gr. SST	81004	914 / 4060	838 / 3413	766 / 2852	698 / 2368	634 / 1953	573 / 1596	-4	5	0	-22	-64	-130
SF	30 TC	10.69 165 gr. SST	81014	869 / 4037	795 / 3379	725 / 2810	659 / 2322	597 / 1905	538 / 1547	-4	6	0	-25	-72	-147
SF	300 RCM	9.72 150 gr. SST	82231	1009 / 4948	927 / 4176	851 / 3520	778 / 2942	709 / 2443	644 / 2016	-4	4	0	-17	-51	-104
SF	300 RCM	9.72 150 gr. GMX	82230	995 / 4812	915 / 4069	838 / 3413	767 / 2859								

## RIFLE AMMUNITION (METRIC) CONTINUED

Ammo Description				Velocity (m / sec) / Energy (joules)						Trajectory Tables (cm)						
CARTRIDGE	Weight (Grams)	BULLET	ITEM #	MUZZLE	100 m	200 m	300 m	400 m	500 m	MUZZLE	100 m	200 m	300 m	400 m	500 m	
SF	300 Win Mag	9.72	150 gr. GMX	82012	1036 / 5216	953 / 4414	875 / 3721	801 / 3118	731 / 2597	665 / 2149	-4	4	0	-16	-48	-98
C	300 Win Mag	9.72	150 gr. SST	82014	998 / 4841	917 / 4087	841 / 3437	769 / 2874	701 / 2388	636 / 1966	-4	4	0	-18	-52	-107
C	300 Win Mag	9.72	150 gr. BTSP InterLock	8201	998 / 4841	903 / 3963	813 / 3212	730 / 2590	651 / 2060	578 / 1624	-4	4	0	-35	-84	-158
C	300 Win Mag	9.72	150 gr. InterBond	82018	998 / 4841	917 / 4087	841 / 3437	769 / 2874	701 / 2388	636 / 1966	-4	4	0	-18	-52	-107
SF	300 Win Mag	10.69	165 gr. InterBond	82028	994 / 5282	919 / 4515	848 / 3844	780 / 3252	716 / 2741	655 / 2294	-4	4	0	-18	-51	-104
SF	300 Win Mag	10.69	165 gr. GMX	82026	994 / 5282	919 / 4515	848 / 3844	780 / 3252	716 / 2741	655 / 2294	-4	4	0	-18	-51	-104
C	300 Win Mag	10.69	165 gr. BTSP InterLock	8202	945 / 4773	871 / 4055	800 / 3421	733 / 2872	670 / 2399	610 / 1989	-4	5	0	-20	-58	-118
C	300 Win Mag	10.69	165 gr. SST	82024	945 / 4773	873 / 4074	804 / 3455	739 / 2919	676 / 2443	618 / 2041	-4	5	0	-20	-58	-117
C	300 Win Mag	11.66	180 gr. SP InterLock	8200	902 / 4743	828 / 3997	759 / 3359	692 / 2792	630 / 2314	570 / 1894	-4	5	0	-22	-65	-133
SF	300 Win Mag	11.66	180 gr. InterBond	82198	954 / 5308	886 / 4578	821 / 3931	760 / 3369	701 / 2866	645 / 2426	-4	4	0	-19	-55	-111
SF	300 Win Mag	11.66	180 gr. SST	82193	954 / 5308	886 / 4578	821 / 3931	760 / 3369	701 / 2866	645 / 2426	-4	4	0	-19	-55	-111
C	300 Win Mag	11.66	180 gr. SST	82194	902 / 3954	833 / 3372	767 / 2859	704 / 2409	644 / 2016	588 / 1680	-4	5	0	-22	-64	-129
C	300 Wby Mag	9.72	150 gr. InterBond	82219	1029 / 5146	946 / 4349	868 / 3662	795 / 3072	725 / 2555	659 / 2111	-4	4	0	-17	-49	-100
C	300 Wby Mag	10.69	165 gr. GMX	82220	PENDING R&D											
C	300 Wby Mag	11.66	180 gr. SP InterLock	8222	951 / 5273	875 / 4464	802 / 3750	734 / 3141	669 / 2609	607 / 2148	-4	5	0	-20	-58	-118
C	7.62 x 39MM	7.97	123 gr. SST	8078	719 / 2060	622 / 1542	532 / 1128	453 / 818	388 / 600	340 / 461	-4	11	0	-46	-140	-299
LE	32 Special	10.69	165 gr. FTX	82732	735 / 2884	654 / 2286	579 / 1792	509 / 1385	447 / 1068	394 / 830	-4	10	0	-39	-116	-243
C	303 British	9.72	150 gr. SP InterLock	8225	818 / 3252	732 / 2604	651 / 2060	575 / 1607	506 / 1244	444 / 958	-4	7	0	-31	-91	-190
LE	338 Marlin Exp	12.96	200 gr. FTX	82240	782 / 3963	715 / 3313	652 / 2755	592 / 2271	536 / 1862	483 / 1512	-4	8	0	-31	-90	-183
SF	338 RCM	11.99	185 gr. GMX	82238	908 / 4943	833 / 4160	763 / 3490	695 / 2896	632 / 2395	572 / 1961	-4	5	0	-22	-64	-132
SF	338 RCM	12.96	200 gr. SST	82237	869 / 4893	801 / 4158	737 / 3520	676 / 2961	618 / 2475	564 / 2061	-4	5	0	-24	-69	-140
SF	338 RCM	14.58	225 gr. InterBond	82138	838 / 5119	769 / 4311	703 / 3603	640 / 2986	581 / 2461	525 / 2009	-4	6	0	-26	-77	-156
SF	338 RCM	14.59	225 gr. SST	82236	837 / 5111	767 / 4292	701 / 3585	639 / 2979	580 / 2454	524 / 2003	-4	6	0	-26	-77	-157
C	338 Win Mag	14.59	225 gr. SST	82234	849 / 5258	779 / 4427	712 / 3698	649 / 3073	589 / 2531	553 / 2231	-4	6	0	-26	-74	-152
SF	338 Win Mag	11.99	185 gr. GMX	82226	939 / 5286	862 / 4455	790 / 3741	721 / 3116	656 / 2580	595 / 2122	-4	5	0	-20	-60	-122
SF	338 Win Mag	12.96	200 gr. SST	82223	924 / 5532	853 / 4715	787 / 4014	724 / 3397	663 / 2848	606 / 2380	-4	5	0	-21	-60	-122
SF	338 Win Mag	14.58	225 gr. InterBond	82338	866 / 547	806 / 474	749 / 409	695 / 352	652 / 310	593 / 256	-4	6	0	-23	-67	-134
SF	338 Win Mag	14.59	225 gr. SST	82233	866 / 547	806 / 474	749 / 409	695 / 352	652 / 310	593 / 256	-4	6	0	-23	-67	-134
M	338 Lapua	16.20	250 gr. BTHP	8230	884 / 6455	837 / 5787	792 / 5181	749 / 4634	707 / 4129	666 / 3664	-4	5	0	-21	-59	-117
M	338 Lapua	18.47	285 gr. BTHP	82306	837 / 6469	795 / 5836	754 / 5250	715 / 4721	677 / 4232	640 / 3782	-4	6	0	-23	-65	-129
LE	35 Rem	12.96	200 gr. FTX	82735	678 / 2918	591 / 2216	512 / 1663	442 / 1240	383 / 931	340 / 733	-4	12	0	-50	-150	-318
SF	35 Whelen	12.96	200 gr. SP	81193	678 / 2979	586 / 2225	502 / 1633	429 / 1193	371 / 892	329 / 701	-4	12	0	-52	-157	-333
DG	9.3 x 62mm	18.53	286 gr. SP-PP	82303	719 / 4790	651 / 3927	587 / 3192	527 / 2573	472 / 2064	422 / 1650	-4	10	0	-38	-112	-230
DG	9.3 x 74R	18.53	286 gr. SP-PP	82304	719 / 4794	651 / 3927	587 / 3192	527 / 2573	472 / 2064	422 / 1650	-4	10	0	-38	-112	-230
DG	376 Steyr	14.59	225 gr. SP-PP InterLock	8234	792 / 4573	703 / 3603	620 / 2802	542 / 2142	472 / 1624	412 / 1237	-4	8	0	-32	-101	-212
DG	376 Steyr	17.50	270 gr. SP-PP InterLock	8237	792 / 5487	717 / 4497	645 / 3639	578 / 2923	516 / 2329	459 / 1843	-4	8	0	-31	-92	-190
SF	375 H&H	17.50	270 gr. SP-PP Superformance	8508	853 / 6365	774 / 5241	699 / 4274	629 / 3461	563 / 2773	502 / 2204	-4	6	0	-26	-78	-160
DG	375 H&H	17.50	270 gr. SP-PP	82312	823 / 5925	746 / 4868	672 / 3950	604 / 3191	539 / 2541	480 / 2016	-4	7	0	-29	-84	-174
SF	375 H&H	19.44	300 gr. DGS Superformance	8509	814 / 6440	709 / 4886	612 / 3641	523 / 2659	445 / 1925	382 / 1418	-4	8	0	-34	-105	-225
DG	375 H&H	19.44	300 gr. DGS	82322	771 / 5780	669 / 4350	576 / 3225	491 / 2343	418 / 1698	361 / 1267	-4	9	0	-39	-119	-255
DG	375 H&H	19.44	300 gr. DGX	82332	818 / 6504	713 / 4941	615 / 3676	527 / 2699	448 / 1951	384 / 1433	-4	8	0	-34	-103	-222
SF	375 Ruger	17.50	270 gr. SP-PP Superformance	8231	866 / 6561	786 / 5404	710 / 4410	639 / 3572	573 / 2872	510 / 2275	-4	6	0	-26	-75	-155
SF	375 Ruger	19.44	300 gr. DGS Superformance	8232	811 / 6393	706 / 4845	609 / 3605	521 / 2638	443 / 1908	380 / 1404	-4	8	0	-34	-65	-227
SF	375 Ruger	19.44	300 gr. DGX Superformance	82333	811 / 6393	706 / 4845	609 / 3605	521 / 2638	443 / 1908	380 / 1404	-4	8	0	-34	-65	-227
DG	404 Jeffery	25.92	400 gr. DGX	8238	701 / 6369	619 / 4966	543 / 3821	474 / 2912	-	-	-4	0	-22	-77	-	-
DG	404 Jeffery	25.92	400 gr. DGS	8239	701 / 6369	619 / 4966	543 / 3821	474 / 2912	-	-	-4	0	-22	-77	-	-
C	405 Win	19.44	300 gr. SP InterLock	8241	671 / 4376	552 / 2962	450 / 1968	370 / 1331	-	-	-4	14	0	-63	-	-
DG	416 Rem	25.92	400 gr. DGX	82673	732 / 6944	646 / 5408	566 / 4152	494 / 3163	-	-	-4	10	0	-41	-	-
DG	416 Rem	25.92	400 gr. DGS	82674	732 / 6944	646 / 5408	566 / 4152	494 / 3163	-	-	-4	10	0	-41	-	-
DG	416 Rigby	25.92	400 gr. DGX	82663	736 / 7022	650 / 5476	570 / 4211	497 / 3201	-	-	-4	0	-20	-69	-	-
DG	416 Rigby	25.92	400 gr. DGS	8265	736 / 7022	650 / 5476	570 / 4211	497 / 3201	-	-	-4	0	-20	-69	-	-
DG	416 Ruger	25.92	400 gr. DGX	82665	732 / 6944	646 / 5408	566 / 4152	494 / 3163	-	-	-4	10	0	-41	-	-
DG	416 Ruger	25.92	400 gr. DGS	82666	732 / 6944	646 / 5408	566 / 4152	494 / 3163	-	-	-4	10	0	-41	-	-
LE	444 Marlin	17.17	265 gr. FTX	82744	709 / 4311	591 / 2999	487 / 2036	401 / 1380	-	-	-4	5	-14	-75	-	-
LE	45-70 Govt	16.20	250 gr. MFX	82741	PENDING R&D											
LE	45-70 Govt	21.06	325 gr. FTX	82747	625 / 4111	519 / 2836	1782 / 33438	358 / 1350	-	-	-4	7	-18	-98	-	-
LE	450 Marlin	21.06	325 gr. FTX	82750	678 / 4840	576 / 3494	483 / 2456	403 / 1710	-	-	-4	11	0	-46	-	-
C	450 Marlin	22.68	350 gr. FP InterLock	8250	678 / 5216	566 / 3633	468 / 2484	388 / 1707	-	-	-4	6	-15	-82	-	-
DG	450 / 400 Nitro Exp	25.92	400 gr. DGS	8242	625 / 5060	548 / 3892	479 / 2974	418 / 2264	-	-	-4	0	-29	-101	-	-
DG	450 / 400 Nitro Exp	25.92	400 gr. DGX	82433	625 / 5060	548 / 3892	479 / 2974	418 / 2264	-	-	-4	0	-29	-101	-	-
DG	450 Nitro Exp	31.10	480 gr. DGX	8255	655 / 6678	556 / 4807	485 / 3658	416 / 2691	-	-	-4	0	-27	-96	-	-
DG	450 Nitro Exp	31.10	480 gr. DGS	8256	655 / 6678	556 / 4807	485 / 3658	416 / 2691	-	-	-4	0	-27	-96	-	-
DG	450 Bushmaster	16.20	250 gr. FTX	82244	671 / 3714	544 / 2444	436 / 1570	356 / 1047	-	-	-4	0	-30	-112	-	-
SF	458 Win Mag	32.40	500 gr. DGX Superformance	85833	652 / 6887	563 / 5135	483 / 3779	414 / 2777	-	-	-4	0	-9	-97	-	-
SF	458 Win Mag	32.40	500 gr. DGS Superformance	8585	652 / 6887	563 / 5135	483 / 3779	414 / 2777	-	-	-4	0	-9	-97	-	-
DG	458 Lott	32.40	500 gr. DGX	82613	701 / 7961	611 / 6048	528 / 4516	455 / 3354	-	-	-4	11	0	-47	-	-
DG	458 Lott	32.40	500 gr. DGS	8262	701 / 7961	611 / 6048	528 / 4516	455 / 3354	-	-	-4	11	0	-47	-	-
DG	470 Nitro Exp	32.40	500 gr. DGX	8263	655 / 6950	575 / 5356	500 / 4050	435 / 3065	-	-	-4	0	-26	-92	-	-
DG	470 Nitro Exp	32.40	500 gr. DGS	8264	655 / 6950	575 / 5356	500 / 4050	435 / 3065	-	-	-4	0	-26	-92	-	-
DG	500 Nitro Exp	36.94	570 gr. DGX	8268	655 / 7924	574 / 6085	499 / 4599	433 / 3463	-	-	-4	0	-26	-92	-	-
DG	500 Nitro Exp	36.94	570 gr. DGS	8269	655 / 7924	574 / 6085	499 / 4599	433 / 3463	-	-	-4	0	-26	-92	-	-
M	50 BMG	48.60	750 gr. A-MAX	8270	858 / 17889	829 / 16700	800 / 15552	772 / 14482	744 / 13451	717 / 12492	-4	5	0	-21		

## SHOTGUN AMMUNITION (METRIC)

Ammo Description			Velocity (m / sec) / Energy (joules)						Trajectory Tables (cm)			
AMMO DESCRIPTION	Weight (Grams)	ITEM #	MUZZLE	50 m	100 m	150 m	200 m	MUZZLE	50 m	100 m	150 m	200 m
20 ga. SST Shotgun Slug (250gr. FTX)	16.20	86232	549 / 3349	491 / 2441	440 / 1953	395 / 1568	339 / 1264	-4.0	8.0	11.0	0	-26.0
12 ga. SST Shotgun Slug 300gr. FTX	19.44	8623	610 / 6891	549 / 3617	493 / 2930	443 / 2362	358 / 1908	-4.0	6.0	8.0	0	-21.0
GAUGE	SHELL LENGTH	ITEM #	MUZZLE	10 m	20 m	30 m	40 m	MUZZLE	10 m	20 m	30 m	40 m
12 ga. #4 Buck	2¾"	86243	411	396	381	368	356	2632	2438	2263	2107	1969
12 ga. Critical Defense 00 Buck (8 Pellets)	2¾"	86240	488	460	434	410	388	3275	2868	2569	2317	2076
12 ga. Superformance 00 Buck (8 Pellets)	2¾"	86246	488	460	434	410	388	3275	2868	2569	2317	2076
12 ga. TAP-FPD 00 Buck (8 Pellets)	2¾"	86276	488	460	434	410	388	3275	2868	2569	2317	2076

All shotgun ballistics are established with a 30" (76.2cm) SAAMI standard test barrel.

## MUZZLELOADER PROJECTILES (METRIC)

Description			Velocity (m / sec) / Energy (joules)						Trajectory Tables (cm)					
DESCRIPTION	Weight (Grams)	ITEM #	MUZZLE	50 m	100 m	150 m	200 m	250 m	MUZZLE	50 m	100 m	150 m	200 m	250 m
45 Cal. SST-ML	12.96	67132	724 / 3397	672 / 2926	622 / 2507	575 / 2412	530 / 1820	487 / 1537	-4.0	6.0	11.0	9.0	0	-18.0
50 Cal. SST-ML Low Drag	16.20	67270	686 / 3812	623 / 3144	563 / 2567	507 / 2082	457 / 1692	411 / 1368	-4.0	8.0	14.0	12.0	0	-23.0
50 Cal. SST-ML Low Drag	19.44	67271	649 / 4094	598 / 3476	549 / 2930	502 / 2449	460 / 2057	421 / 1723	-4.0	9.0	15.0	12.0	0	-24.0
50 Cal. FPB (150 gr. charge)	19.44	6605	640 / 3981	588 / 3361	538 / 2813	491 / 2343	449 / 1960	410 / 1634	-4.0	9.0	15.0	13.0	0	-25.0
50 Cal. FPB (100 gr. charge)	19.44	6605	549 / 2930	501 / 2039	458 / 2039	418 / 1698	384 / 1433	355 / 1225	-4.0	14.0	22.0	18.0	0	-34.0
50 Cal. FPB (150 gr. charge)	22.68	6600	595 / 4015	551 / 3443	510 / 2950	472 / 2526	437 / 2166	405 / 1860	-4.0	11.0	17.0	14.0	0	-27.0
50 Cal. FPB (100 gr. charge)	22.68	6600	494 / 2767	457 / 2368	423 / 2029	393 / 1751	366 / 1519	1159 / 1043	-4.0	17.0	26.0	21.0	0	-39.0

All data developed in a stock T / C Omega inline muzzleloader with 150 gr. charges except when noted. Zero your rifle 7.5cm high at 100 meters for a 15cm shooting window to 200 meters with 3 pellets or 150 gr. charges.

### LEGEND

<b>BT</b> .....Boattail	<b>FPB</b> .....Flex Tip® Projectile Blackpowder	<b>IL</b> .....InterLock® Bullet	<b>RN</b> .....Round Nose	<b>SST</b> .....Super Shock Tipped
<b>DGS</b> .....Dangerous Game Solid	<b>FTX</b> .....Flex Tip® eXpanding	<b>IB</b> .....InterBond® Bullet	<b>SIL</b> .....Silhouette	<b>V</b> .....Vented
<b>DGX</b> .....Dangerous Game Expanding	<b>GMX</b> .....Gilding Metal Expanding	<b>L</b> .....Swaged Lead Bullet	<b>SJ</b> .....Short Jacket	<b>XTP</b> .....Extreme Terminal Performance™
<b>FMJ</b> .....Full Metal Jacket	<b>HP</b> .....Hollow Point	<b>LRN</b> .....Lead Round Nose	<b>SP</b> .....Spire Point	
<b>FP</b> .....Flat Point		<b>ML</b> .....Muzzleloading w / MolyMoly-Coated	<b>SP-RP</b> .....Spire Point Recoil Proof	