



# Ballistics

## Rifle Ammunition Product Lines:

**AG** American Gunner®  
**AW** American Whitetail®  
**B** Hornady BLACK®

**CD** Critical Defense®  
**C** Custom™  
**CI** Custom™ International

**CL** Custom Lite®  
**DG** Dangerous Game™ Series  
**LEV** LEVERevolution®

**M** Match™  
**O** Outfitter™  
**PH** Precision Hunter®

**S** Steel Match®  
**SB** Subsonic  
**SF** Superformance®

**SI** Superformance® International  
**SM** Superformance® Match

**SV** Superformance® Varmint  
**V** Varmint Express®  
**VM** Vintage Match™

## Hornady® Bullet Types:

- A-MAX®
- BT . . . . Boattail
- BTHP . . Boattail Hollow Point
- DGS® . . Dangerous Game™ Solid
- DGX® . . Dangerous Game™ eXpanding
- ELD-X® Extremely Low Drag - eXpanding
- ELD® Match
- ETX® . . Extreme Terminal eXpansion
- FMJ . . . Full Metal Jacket
- FP . . . . Flat Point
- FPB® . . Flex Tip® Projectile Blackpowder
- FTX® . . Flex Tip® eXpanding
- GMX® . . Copper Alloy eXpanding
- HP . . . . Hollow Point
- InterBond®
- L . . . . Swaged Lead Bullet
- LRN . . . Lead Round Nose
- ML . . . . Muzzleloading
- MonoFlex®
- NTX® . . Non-Traditional eXpanding
- OTM . . . Open-Tip Match
- RN . . . . Round Nose
- SIL . . . . Silhouette
- SJ . . . . Short Jacket
- SP . . . . Spire Point
- SP-RP . . Spire Point Recoil Proof
- SST® . . . Super Shock Tip
- V . . . . Vented
- V-MAX®
- XTP® . . . eXtreme Terminal Performance™

## Rifle Ballistics

Ammo Description		Velocity (m/sec)										Energy (joules)						Trajectory Tables (cm)						GEE	GEE Trajectory								
CARTRIDGE	BULLET	ITEM #	B.C.	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	GEE	MUZ	50m	100m	150m	200m	250m	300m	
V	17 Mach 2	15.5 gr. NTX®	(1,0g) 83176	.115	625	517	420	333	256	189	—	196	134	89	56	33	18	—	-5.0	2.2	0	-16.3	-55.0	-131.2	—	121	-5.0	4.2	4.0	-10.3	-47.0	-121.2	—
V	17 Mach 2	17 gr. V-MAX®	(1,1g) 83177	.125	640	539	447	364	289	223	—	226	160	110	73	46	27	—	-5.0	1.8	0	-14.2	-47.0	-109.3	—	124	-5.0	3.8	4.0	-8.2	-39.0	-99.3	—
V	17 HMR	15.5 gr. NTX®	(1,0g) 83171	.115	770	649	538	438	348	268	199	297	211	145	96	61	36	20	-5.0	0.5	0	-9.0	-31.0	-73.3	-149.3	136	-5.0	2.5	4.0	-3.0	-23.0	-63.3	-137.3
V	17 HMR	17 gr. V-MAX®	(1,1g) 83170	.125	777	665	561	466	380	303	235	333	244	174	120	80	51	30	-5.0	0.3	0	-8.2	-27.7	-64.2	-127.2	139	-5.0	2.3	4.0	-2.2	-19.7	-54.2	-115.2
V	17 HMR	20 gr. XTP®	(1,3g) 83172	.125	724	616	517	426	344	271	207	340	246	173	118	77	48	28	-5.0	0.8	0	-10.1	-33.7	-78.1	-155.4	133	-5.0	2.8	4.0	-4.1	-25.7	-68.1	-143.4
V	17 WSM	20 gr. V-MAX®	(1,3g) 83180	.185	914	830	750	674	602	534	470	542	447	365	294	235	185	143	-5.0	-0.7	0	-3.7	-12.7	-28.6	-53.1	172	-5.0	1.3	4.0	2.3	-4.7	-18.6	-41.1
SV	17 Hornet	15.5 gr. NTX®	(1,0g) 83004	.115	1183	1027	882	748	626	514	413	702	530	391	281	197	133	86	-5.0	-1.3	0	-1.9	-8.1	-20.7	-42.4	199	-5.0	0.7	4.0	4.1	-0.1	-10.7	-30.4
SV	17 Hornet	20 gr. V-MAX®	(1,3g) 83005	.185	1113	1019	929	843	761	684	611	802	672	559	460	376	303	242	-5.0	-1.3	0	-1.5	-6.5	-15.8	-30.3	213	-5.0	0.7	4.0	4.5	1.5	-5.8	-18.3
SV	204 Ruger	24 gr. NTX® (26" Bbl)	(1,6g) 83209	.170	1341	1228	1119	1016	918	824	736	1399	1172	974	803	655	528	421	-5.0	-1.7	0	-0.3	-2.9	-8.5	-17.7	263	-5.0	0.3	4.0	5.7	5.1	1.5	-5.7
SV	204 Ruger	32 gr. V-MAX® (26" Bbl)	(2,1g) 83204	.210	1288	1198	1111	1027	947	870	796	1720	1487	1280	1094	930	785	657	-5.0	-1.6	0	-0.3	-3.0	-8.4	-17.1	264	-5.0	0.4	4.0	5.7	5.0	1.6	-5.1
SV	204 Ruger	40 gr. V-MAX® (26" Bbl)	(2,6g) 83206	.275	1189	1123	1058	996	936	877	821	1832	1634	1452	1286	1135	997	873	-5.0	-1.5	0	-0.7	-3.8	-9.7	-18.9	252	-5.0	0.5	4.0	5.3	4.2	0.3	-6.9
V	22 WMR	25 gr. NTX®	(1,6g) 83201	.085	671	522	391	280	187	—	—	364	220	124	63	28	—	—	-5.0	2.1	0	-18.6	-69.3	—	—	120	-5.0	4.1	4.0	-12.6	-61.3	—	—
V	22 WMR	30 gr. V-MAX®	(1,9g) 83202	.095	671	536	417	313	224	—	—	437	280	169	95	49	—	—	-5.0	1.9	0	-16.3	-58.0	—	—	122	-5.0	3.9	4.0	-10.3	-50.0	—	—
V	22 Hornet	35 gr. V-MAX®	(2,3g) 8302	.109	936	793	663	544	437	341	258	993	714	498	335	216	132	75	-5.0	-0.5	0	-5.1	-18.6	-45.0	-92.2	156	-5.0	1.5	4.0	0.9	-10.6	-35.0	-80.2
C	22 Hornet	45 gr. SP	(2,9g) 83028	.202	812	740	671	605	543	484	429	962	798	657	534	430	342	268	-5.0	-0.3	0	-5.2	-17.1	-37.4	-68.1	156	-5.0	1.7	4.0	0.8	-9.1	-27.4	-56.1
C	218 Bee	45 gr. HP	(2,9g) 8307	.108	835	700	578	467	367	280	205	1017	716	487	318	197	114	61	-5.0	0.0	0	-7.5	-26.3	-63.4	-131.2	142	-5.0	2.0	4.0	-1.5	-18.3	-53.4	-119.2
SV	222 Rem	35 gr. NTX®	(2,3g) 8309	.177	1146	1046	951	860	774	692	615	1490	1241	1026	839	680	544	429	-5.0	-1.4	0	-1.3	-6.0	-14.8	-28.7	219	-5.0	0.6	4.0	4.7	2.0	-4.8	-16.7
SV	222 Rem	50 gr. V-MAX®	(3,2g) 8316	.242	1020	951	884	820	759	700	643	1684	1465	1267	1090	933	793	669	-5.0	-1.1	0	-2.0	-7.7	-17.6	-32.5	203	-5.0	0.9	4.0	4.0	0.3	-7.6	-20.5
B	5.45 x 39mm	60 gr. V-MAX® (16" Bbl)	(3,9g) 81246	.285	856	803	752	702	654	608	563	1426	1255	1099	958	832	718	616	-5.0	-0.6	0	-3.7	-12.5	-26.9	-48.1	172	-5.0	1.4	4.0	2.3	-4.5	-16.9	-36.1
SV	223 Rem	35 gr. NTX®	(2,3g) 83266	.177	1219	1116	1017	923	833	748	668	1686	1412	1173	966	788	635	506	-5.0	-1.5	0	-0.9	-4.6	-11.9	-23.6	236	-5.0	0.5	4.0	5.1	3.4	-1.9	-11.6
V	223 Rem	40 gr. V-MAX®	(2,6g) 8325	.200	1158	1069	984	902	823	748	677	1739	1482	1254	1054	879	726	594	-5.0	-1.4	0	-1.1	-5.3	-13.0	-25.2	228	-5.0	0.6	4.0	4.9	2.7	-3.0	-13.2
SV	223 Rem	53 gr. V-MAX®	(3,4g) 8025	.290	1056	997	940	885	831	779	729	1916	1708	1519	1345	1187	1043	913	-5.0	-1.3	0	-1.5	-6.2	-14.4	-26.6	218	-5.0	0.7	4.0	4.5	1.8	-4.4	-14.6
CD	223 Rem	55 gr. FTX®	(3,6g) 80270	.175	988	895	806	723	644	569	499	1738	1427	1159	931	738	577	444	-5.0	-1.0	0	-2.8	-10.4	-23.8	-44.9	182	-5.0	1.0	3.9	3.0	-2.6	-14.1	-33.3
AG	223 Rem	55 gr. HP	(3,6g) 80237	.223	988	914	844	776	712	650	590	1738	1490	1269	1074	902	752	621	-5.0	-1.0	0	-2.4	-8.9	-20.3	-37.4	193	-5.0	1.0	4.0	3.6	-0.9	-10.3	-25.4
SF	223 Rem	55 gr. GMX®	(3,6g) 83274	.245	991	924	859	797	737	679	624	1749	1521	1315	1132	968	823	695	-5.0	-1.1	0	-2.3	-8.4	-19.1	-35.0	197	-5.0	0.9	4.0	3.7	-0.4	-9.1	-23.0
V	223 Rem	55 gr. V-MAX®	(3,6g) 8327	.255	988	923	861	801	744	688	635	1738	1519	1322	1145	986	844	718	-5.0	-1.1	0	-2.3	-8.3	-18.8	-34.5	197	-5.0	0.9	4.0	3.7	-0.3	-8.8	-22.5
B	223 Rem	62 gr. FMJ	(4,0g) 80234	.274	945	887	830	775	723	672	623	1794	1579	1384	1208	1049	906	779	-5.0	-0.9	0	-2.6	-9.3	-20.8	-37.6	190	-5.0	1.1	4.0	3.4	-1.3	-10.8	-25.6
CD	223 Rem	73 gr. FTX®	(4,7g) 80260	.260	850	792	737	683	631	581	533	1711	1485	1283	1102	941	799	673	-5.0	-0.5	0	-4.0	-13.2	-28.7	-51.4	182	-5.0	2.0	5.1	3.7	-3.1	-15.9	-36.1
SM	223 Rem	73 gr. ELD® Match	(4,7g) 80259	.398	893	854	816	778	742	706	671	1887	1725	1574	1433	1302	1179	1066	-5.0	-0.8	0	-2.9	-9.8	-21.2	-37.5	186	-5.0	1.2	4.0	3.1	-1.8	-11.2	-25.5
M	223 Rem	73 gr. ELD® Match	(4,7g) 80269	.398	850	812	775	739	703	669	635	1711	1561	1421	1291	1170	1058	954	-5.0	-0.6	0	-3.4	-11.4	-24.3	-42.7	176	-5.0	1.4	4.0	2.6	-3.4	-14.3	-30.7
B	223 Rem	75 gr. BTHP	(4,9g) 80267	.395	850	812	775	738	702	667	633	1757	1602	1458	1323	1198	1082	975	-5.0	-0.6	0	-3.5	-11.4	-24.3	-42.8	176	-5.0	1.4	4.0	2.5	-3.4	-14.3	-30.8
M	223 Rem	75 gr. BTHP	(4,9g) 8026	.395	850	812	775	738	702	667	633	1757	1602	1458	1323	1198	1082	975	-5.0	-0.6	0	-3.5	-11.4	-24.3	-42.8	176	-5.0	1.4	4.0	2.5	-3.4	-14.3	-30.8
SM	223 Rem	75 gr. BTHP	(4,9g) 80264	.395	893	854	815	777	741	705	670	1938	1771	1615	1469	1333	1207	1090	-5.0	-0.8	0	-2.9	-9.8	-21.2	-37.6	186	-5.0	1.2	4.0	3.1	-1.8	-11.2	-25.6
SF	5.56 NATO	55 gr. GMX® (20" Bbl)	(3,6g) 81254	.245	954	889	825	764	706	650	596	1622	1407	1214	1042	888	752	633	-5.0	-0.9	0	-2.7	-9.5	-21.3	-38.9	188	-5.0	1.1	4.0	3.3	-1.5	-11.3	-26.9
B	5.56 NATO	62 gr. FMJ (20" Bbl)	(4,0g) 81263	.274	933	875	819	764	712	662	613	1748	1537	1346	1174	1019	879	755	-5.0	-0.9	0	-2.8	-9.7	-21.6	-39.0	187	-5.0	1.1	4.0	3.2	-1.7	-11.6	-27.0
SM	5.56 NATO	73 gr. ELD® Match (20" Bbl)	(4,7g) 81268	.398	887	848	810	773	736	701	666	1861	1701	1551	1412	1282	1162	1050	-5.0	-0.8	0	-2.9	-10.0	-21.6	-38.2	185	-5.0	1.2	4.0	3.1	-2.0	-11.6</	

Ammo Description		Velocity (m/sec)										Energy (joules)						Trajectory Tables (cm)						GEE	GEE Trajectory									
CARTRIDGE	BULLET	ITEM #	B.C.	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m		MUZ	50m	100m	150m	200m	250m	300m		
SM	5.56 NATO	75 gr. BTHP (20" Bbl)	(4.9g)	81264	.395	887	848	809	772	735	699	665	1912	1746	1592	1448	1313	1189	1073	-5.0	-0.8	0	-3.0	-10.0	-21.6	-38.3	185	-5.0	1.2	4.0	3.0	-2.0	-11.6	-26.3
B	5.56 NATO	75 gr. InterLock® HD SBR™ (20" Bbl)	(4.9g)	81296	.230	704	645	589	535	484	436	390	1205	1012	843	697	570	461	369	-5.0	0.5	0	-7.5	-23.7	-50.3	-89.8	141	-5.0	2.5	4.0	-1.5	-15.7	-40.3	-77.8
V	224 Valkyrie	60 gr. V-MAX® W/C	(3.9g)	81531	.265	1006	943	883	824	768	714	661	1967	1730	1526	1322	1147	990	850	-5.0	-1.1	0	-2.0	-7.7	-17.5	-32.1	182	-5.0	0.3	2.9	2.3	-2.0	-10.3	-23.5
B	224 Valkyrie	75 gr. BTHP	(4.9g)	81532	.395	914	874	835	797	760	724	688	2032	1858	1696	1545	1403	1272	1151	-5.0	-0.9	0	-2.6	-9.1	-19.8	-35.2	182	-5.0	0.8	3.5	2.6	-2.2	-11.2	-24.8
M	224 Valkyrie	88 gr. ELD® Match	(5.7g)	81534	.545	815	788	761	735	709	684	659	1896	1771	1653	1540	1434	1333	1237	-5.0	-0.5	0	-3.7	-12.0	-25.1	-43.5	182	-5.0	1.8	4.6	3.3	-2.7	-13.5	-29.5
SV	22-250 Rem	35 gr. NTX®	(2.3g)	83334	.177	1356	1247	1142	1041	945	854	768	2086	1763	1478	1229	1014	827	668	-5.0	-1.7	0	-0.2	-2.6	-7.8	-16.4	270	-5.0	0.3	4.0	5.8	5.4	2.2	-4.4
V	22-250 Rem	40 gr. V-MAX®	(2.6g)	83335	.200	1265	1171	1081	995	912	833	757	2074	1778	1516	1283	1078	899	743	-5.0	-1.6	0	-0.5	-3.5	-9.4	-18.9	255	-5.0	0.4	4.0	5.5	4.5	0.6	-6.9
V	22-250 Rem	50 gr. V-MAX®	(3.2g)	83336	.242	1158	1084	1013	944	877	813	751	2173	1905	1662	1443	1247	1071	915	-5.0	-1.5	0	-0.9	-4.6	-11.5	-22.1	238	-5.0	0.5	4.0	5.1	3.4	-1.5	-10.1
SV	22-250 Rem	50 gr. V-MAX®	(3.2g)	83366	.242	1219	1143	1070	998	930	864	800	2408	2117	1854	1615	1401	1208	1036	-5.0	-1.6	0	-0.6	-3.6	-9.5	-18.7	254	-5.0	0.4	4.0	5.4	4.4	0.5	-6.7
V	22-250 Rem	55 gr. V-MAX®	(3.6g)	8337	.255	1122	1053	986	921	859	799	741	2242	1975	1733	1513	1315	1137	978	-5.0	-1.4	0	-1.1	-5.2	-12.5	-23.7	231	-5.0	0.6	4.0	4.9	2.8	-2.5	-11.7
V	220 Swift	55 gr. V-MAX®	(3.6g)	8324	.255	1122	1053	986	921	859	799	741	2242	1975	1733	1513	1315	1137	978	-5.0	-1.4	0	-1.1	-5.2	-12.5	-23.7	231	-5.0	0.6	4.0	4.9	2.8	-2.5	-11.7
SV	243 Win	58 gr. V-MAX®	(3.8g)	8343	.250	1196	1123	1053	985	919	855	794	2690	2372	2084	1822	1586	1374	1183	-5.0	-1.5	0	-0.7	-3.9	-10.0	-19.5	250	-5.0	0.5	4.0	5.3	4.1	-0.0	-7.5
SV	243 Win	75 gr. V-MAX®	(4.9g)	83433	.330	1091	1039	987	937	888	841	795	2894	2621	2368	2134	1918	1719	1535	-5.0	-1.4	0	-1.2	-5.1	-12.2	-22.7	232	-5.0	0.6	4.0	4.8	2.9	-2.2	-10.7
O	243 Win	80 gr. GMX®	(5.2g)	80457	.300	975	921	868	817	767	719	673	2466	2199	1954	1730	1526	1341	1173	-5.0	-1.1	0	-2.2	-8.1	-18.1	-32.9	182	-5.0	0.5	3.0	2.4	-2.0	-10.5	-23.8
SF	243 Win	80 gr. GMX®	(5.2g)	80456	.300	1044	988	933	879	828	777	729	2825	2528	2255	2004	1776	1567	1377	-5.0	-1.2	0	-1.6	-6.3	-14.7	-27.1	216	-5.0	0.8	4.0	4.4	1.7	-4.7	-15.1
SI	243 Win	80 gr. GMX®	(5.2g)	80458	.300	1044	988	933	879	828	777	729	2825	2528	2255	2004	1776	1567	1377	-5.0	-1.2	0	-1.6	-6.3	-14.7	-27.1	216	-5.0	0.8	4.0	4.4	1.7	-4.7	-15.1
CL	243 Win	87 gr. SST®	(5.6g)	80466	.400	853	815	778	742	707	672	639	2053	1875	1708	1553	1408	1274	1149	-5.0	-0.7	0	-3.4	-11.2	-24.0	-42.2	177	-5.0	1.3	4.0	2.6	-3.2	-14.0	-30.2
C	243 Win	87 gr. V-MAX®	(5.6g)	80468	.400	988	946	906	867	828	790	754	2749	2525	2314	2117	1933	1761	1601	-5.0	-1.1	0	-1.9	-7.0	-15.7	-28.3	210	-5.0	0.9	4.0	4.1	1.0	-5.7	-16.3
PH	243 Win	90 gr. ELD-X®	(5.8g)	80462	.409	960	920	882	844	806	770	735	2688	2471	2267	2076	1897	1730	1574	-5.0	-1.1	0	-2.1	-7.7	-17.0	-30.4	182	-5.0	0.4	2.9	2.2	-1.9	-9.8	-21.8
SF	243 Win	95 gr. SST®	(6.2g)	80463	.355	971	925	880	836	794	752	712	2901	2633	2384	2154	1940	1743	1561	-5.0	-1.1	0	-2.1	-7.7	-17.2	-31.1	203	-5.0	0.9	4.0	3.9	0.3	-7.2	-19.1
W	243 Win	100 gr. InterLock® BTSP	(6.5g)	8047	.405	902	864	826	789	753	717	683	2638	2416	2209	2016	1835	1667	1511	-5.0	-0.9	0	-2.7	-9.4	-20.5	-36.2	189	-5.0	1.1	4.0	3.3	-1.4	-10.5	-24.2
CI	243 Win	100 gr. InterLock® SP	(6.5g)	80401	.405	902	864	826	789	753	717	683	2638	2416	2209	2016	1835	1667	1511	-5.0	-0.9	0	-2.7	-9.4	-20.5	-36.2	189	-5.0	1.1	4.0	3.3	-1.4	-10.5	-24.2
SF	6mm Rem	95 gr. SST®	(6.2g)	81663	.355	986	940	895	850	808	766	725	2993	2718	2463	2227	2007	1805	1618	-5.0	-1.1	0	-2.0	-7.3	-16.4	-29.7	206	-5.0	0.9	4.0	4.0	0.7	-6.4	-17.2
V	6mm Creedmoor	87 gr. V-MAX®	(5.6g)	81393	.400	978	937	897	858	820	782	746	2699	2477	2270	2076	1895	1725	1568	-5.0	-1.1	0	-1.9	-7.2	-16.1	-29.1	207	-5.0	0.9	4.0	4.1	0.8	-6.1	-17.1
PH	6mm Creedmoor	103 gr. ELD-X®	(6.7g)	81392	.512	930	898	868	838	808	779	750	2884	2694	2513	2342	2179	2026	1880	-5.0	-1.0	0	-2.3	-8.0	-17.6	-31.1	200	-5.0	1.0	4.0	3.7	-0.0	-7.6	-19.1
M	6mm Creedmoor	108 gr. ELD® Match	(7.0g)	81391	.536	902	873	844	816	788	760	734	2849	2666	2493	2329	2172	2024	1883	-5.0	-0.9	0	-2.6	-8.8	-19.0	-33.4	193	-5.0	1.1	4.0	3.4	-0.8	-9.0	-21.4
LEV	23-35 Win	110 gr. FTX®	(7.1g)	8277	.340	739	698	658	619	582	545	510	1947	1736	1543	1367	1206	1059	927	-5.0	0.0	0	-5.7	-17.8	-37.1	-64.7	152	-5.0	2.0	4.0	0.3	-9.8	-27.1	-52.7
C	250 Savage	100 gr. InterLock® SP	(6.5g)	8132	.350	853	810	768	727	687	648	610	2360	2127	1911	1712	1529	1361	1207	-5.0	-0.6	0	-3.5	-11.7	-25.1	-44.3	175	-5.0	1.4	4.0	2.5	-3.7	-15.1	-32.3
SF	257 Roberts +P	117 gr. SST®	(7.6g)	81353	.390	898	858	819	781	743	707	671	3057	2790	2541	2310	2094	1894	1709	-5.0	-0.8	0	-2.8	-9.7	-21.0	-37.2	187	-5.0	1.2	4.0	3.2	-1.7	-11.0	-25.2
SF	25-06 Rem	90 gr. GMX®	(5.8g)	81446	.290	1021	963	907	853	801	750	700	3041	2707	2402	2123	1869	1639	1431	-5.0	-1.2	0	-1.8	-7.0	-16.0	-29.4	209	-5.0	0.8	4.0	4.2	1.0	-6.0	-17.4
PH	25-06 Rem	110 gr. ELD-X®	(7.1g)	81443	.465	957	922	888	854	821	789	758	3265	3031	2811	2602	2405	2220	2046	-5.0	-1.1	0	-2.1	-7.5	-16.5	-29.5	205	-5.0	0.9	4.0	3.9	0.5	-6.5	-17.5
SF	25-06 Rem	117 gr. SST®	(7.6g)	81453	.390	948	907	866	827	788	751	714	3407	3116	2845	2592	2356	2137	1933	-5.0	-1.0	0	-2.3	-8.1	-17.9	-32.1	199	-5.0	1.0	4.0	3.7	-0.1	-7.9	-20.1
W	25-06 Rem	117 gr. InterLock® BTSP	(7.6g)	8144	.391	911	871	832	793	756	719	683	3149	2877	2622	2385	2165	1960	1770	-5.0	-0.9	0	-2.7	-9.2	-20.1	-35.7	190	-5.0	1.1	4.0	3.3	-1.2	-10.1	-23.7
PH	257 Wby Mag	110 gr. ELD-X®	(7.1g)	81364	.465	988	952	917	883	850	817	784	3476	3231	2999	2780	2572	2377	2193	-5.0	-1.1	0	-1.8	-6.7	-15.0	-27.0	213	-5.0	0.9	4.0	4.2	1.3	-5.0	-15.0
B	6.5 Grendel	123 gr. ELD® Match	(8.0g)	81528	.506	789	761	732	705	677	651	625	2484	2306	2137	1979	1829	1687	1555	-5.0	-0.4	0	-4.2	-13.3	-27.8	-48.1	167	-5.0	1.6	4.0	1.8	-5.3	-17.8	-36.1
C	6.5 Grendel	123 gr. SST®	(8.0g)	8152	.510	789	761	733	705																									

Ammo Description		Velocity (m/sec)									Energy (joules)						Trajectory Tables (cm)						GEE	GEE Trajectory										
CARTRIDGE	BULLET	ITEM #	B.C.	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m			
PH	270 Win	145 gr. ELD-X®	(9.4)	80536	.536	905	876	847	819	791	763	736	3850	3605	3371	3149	2937	2737	2547	-5.0	-0.9	0	-2.5	-8.7	-18.8	-33.1	194	-5.0	1.1	4.0	3.5	-0.7	-8.8	-21.1
O	270 WSM	130 gr. GMX®	(8.4)	80557	.460	945	910	876	842	809	777	745	3761	3487	3229	2986	2756	2540	2337	-5.0	-1.0	0	-2.2	-7.8	-17.2	-30.7	182	-5.0	0.5	3.0	2.3	-1.9	-9.8	-21.8
PH	270 WSM	145 gr. ELD-X®	(9.4)	80558	.536	945	915	885	856	828	799	772	4195	3932	3682	3444	3217	3002	2798	-5.0	-1.0	0	-2.1	-7.5	-16.6	-29.4	204	-5.0	1.0	4.0	3.9	0.5	-6.6	-17.4
SF	7 x 57mm Mauser	139 gr. SST®	(9.0)	81553	.486	841	810	780	750	720	692	664	3188	2956	2738	2532	2338	2155	1983	-5.0	-0.6	0	-3.4	-11.2	-23.7	-41.3	177	-5.0	1.4	4.0	2.6	-3.2	-13.7	-29.3
C	275 Rigby	140 gr. InterLock® SP	(9.1)	8070	.392	817	779	742	706	671	637	603	3005	2734	2481	2246	2028	1826	1640	-5.0	-0.5	0	-4.0	-12.9	-27.2	-47.6	169	-5.0	1.5	4.0	2.0	-4.9	-17.2	-35.6
CL	7mm-08 Rem	120 gr. SST®	(7.8)	80572	.365	815	775	735	697	659	623	588	2585	2334	2102	1888	1691	1509	1343	-5.0	-0.5	0	-4.1	-13.2	-28.0	-49.1	168	-5.0	1.5	4.0	1.9	-5.2	-18.0	-37.1
SF	7mm-08 Rem	139 gr. GMX®	(9.0)	80576	.486	887	855	824	793	763	733	704	3543	3292	3055	2831	2619	2419	2231	-5.0	-0.8	0	-2.8	-9.5	-20.4	-35.9	188	-5.0	1.2	4.0	3.2	-1.5	-10.4	-23.9
SF	7mm-08 Rem	139 gr. SST®	(9.0)	80573	.486	899	867	835	804	774	744	715	3642	3385	3142	2913	2696	2492	2300	-5.0	-0.9	0	-2.6	-9.1	-19.6	-34.6	191	-5.0	1.1	4.0	3.4	-1.1	-9.6	-22.6
W	7mm-08 Rem	139 gr. InterLock® SP	(9.0)	8057	.392	866	827	788	751	715	679	645	3375	3077	2800	2542	2302	2079	1873	-5.0	-0.7	0	-3.2	-10.8	-23.2	-40.9	180	-5.0	1.3	4.0	2.8	-2.8	-13.2	-28.9
PH	7mm-08 Rem	150 gr. ELD-X®	(9.7)	85578	.574	844	818	792	766	741	716	692	3465	3251	3048	2855	2670	2495	2329	-5.0	-0.7	0	-3.2	-10.7	-22.5	-39.2	180	-5.0	1.3	4.0	2.8	-2.7	-12.5	-27.2
PH	280 Rem	150 gr. ELD-X®	(9.7)	81587	.574	892	864	838	811	785	760	735	3863	3631	3410	3198	2997	2805	2623	-5.0	-0.9	0	-2.6	-9.0	-19.3	-33.9	192	-5.0	1.1	4.0	3.4	-1.0	-9.3	-21.9
PH	280 Ackley Imp	162 gr. ELD-X®	(10.5)	85586	.631	869	844	820	796	773	750	727	3961	3742	3531	3330	3138	2954	2778	-5.0	-0.8	0	-2.9	-9.6	-20.4	-35.6	187	-5.0	1.2	4.0	3.1	-1.6	-10.4	-23.6
SI	7 x 64	140 gr. GMX®	(9.1)	8157	.486	950	917	884	852	821	790	760	4095	3813	3546	3294	3055	2830	2617	-5.0	-1.0	0	-2.1	-7.6	-16.7	-29.7	204	-5.0	1.0	4.0	3.9	0.4	-6.7	-17.7
W	7mm Rem Mag	139 gr. InterLock® SP	(9.0)	80591	.453	960	924	889	855	821	788	755	4152	3848	3561	3290	3035	2795	2569	-5.0	-1.1	0	-2.0	-7.4	-16.5	-29.5	205	-5.0	0.9	4.0	4.0	0.6	-6.5	-17.5
SF	7mm Rem Mag	139 gr. GMX®	(9.0)	80592	.486	972	939	906	873	841	810	779	4258	3968	3694	3433	3187	2954	2735	-5.0	-1.1	0	-1.9	-7.0	-15.6	-27.9	210	-5.0	0.9	4.0	4.1	1.0	-5.6	-15.9
SF	7mm Rem Mag	139 gr. SST®	(9.0)	80593	.486	988	956	920	887	855	824	793	4393	4096	3814	3547	3295	3056	2830	-5.0	-1.2	0	-1.7	-6.6	-14.8	-26.6	214	-5.0	0.8	4.0	4.3	1.4	-4.8	-14.6
O	7mm Rem Mag	150 gr. GMX®	(9.7)	80611	.464	914	880	847	814	782	751	720	4064	3767	3486	3222	2972	2738	2517	-5.0	-0.9	0	-2.5	-8.7	-18.9	-33.5	182	-5.0	0.7	3.3	2.5	-2.1	-10.6	-23.5
SF	7mm Rem Mag	154 gr. SST®	(10.0)	8061	.525	945	914	884	854	825	796	768	4455	4170	3900	3642	3398	3166	2946	-5.0	-1.0	0	-2.1	-7.6	-16.6	-29.6	204	-5.0	1.0	4.0	3.9	0.4	-6.6	-17.6
SF	7mm Rem Mag	162 gr. SST®	(10.5)	80633	.550	924	895	866	838	811	785	757	4427	4201	3938	3687	3449	3222	3007	-5.0	-1.0	0	-2.3	-8.1	-17.6	-31.1	199	-5.0	1.0	4.0	3.7	-0.1	-7.6	-19.1
PH	7mm Rem Mag	162 gr. ELD-X®	(10.5)	80636	.631	896	871	847	823	799	775	752	4215	3985	3764	3553	3350	3156	2971	-5.0	-0.9	0	-2.5	-8.7	-18.7	-32.8	194	-5.0	1.1	4.0	3.5	-0.7	-8.7	-20.8
C	7mm Rem Mag	162 gr. InterLock® BTSP	(10.5)	8063	.514	896	866	836	806	778	749	721	4215	3934	3667	3413	3173	2946	2732	-5.0	-0.9	0	-2.6	-9.1	-19.5	-34.4	191	-5.0	1.1	4.0	3.4	-1.1	-9.5	-22.4
O	7mm WSM	150 gr. GMX®	(9.7)	80551	.464	930	895	862	828	796	764	733	4201	3896	3608	3336	3080	2839	2612	-5.0	-1.0	0	-2.3	-8.2	-18.0	-32.0	182	-5.0	0.6	3.1	2.4	-2.0	-10.2	-22.6
PH	7mm WSM	162 gr. ELD-X®	(10.5)	80552	.631	914	889	865	840	816	792	769	4389	4151	3923	3705	3496	3295	3104	-5.0	-0.9	0	-2.3	-8.1	-17.6	-31.0	199	-5.0	1.1	4.0	3.7	-0.1	-7.6	-19.0
PH	28 Nosler	162 gr. ELD-X®	(10.5)	8069	.631	See <a href="http://www.hornady.com">hornady.com</a> for latest information																												
PH	7mm STW	162 gr. ELD-X®	(10.5)	80851	.631	930	904	879	855	830	806	783	4537	4293	4059	3834	3619	3414	3217	-5.0	-1.0	0	-2.2	-7.7	-16.8	-29.6	182	-5.0	0.5	2.9	2.2	-1.9	-9.5	-20.9
C	30 Carbine	110 gr. FMJ	(7.1)	8102	.178	610	540	475	413	356	304	255	1325	1039	803	609	453	329	232	-5.0	1.7	0	-12.7	-39.8	-86.3	-159.3	126	-5.0	3.7	4.0	-6.7	-31.8	-76.3	-147.3
CD	30 Carbine	110 gr. FTX® (20" Bbl)	(7.1)	81030	.178	610	540	475	413	356	304	255	1325	1039	803	609	453	329	232	-5.0	1.7	0	-12.7	-39.8	-86.3	-159.3	126	-5.0	3.7	4.0	-6.7	-31.8	-76.3	-147.3
C	300 Blackout	110 gr. GMX® (16" Bbl)	(7.1)	80879	.305	696	652	609	568	528	489	452	1729	1516	1323	1149	993	854	730	-5.0	0.4	0	-7.0	-21.6	-45.1	-78.7	182	-5.0	4.6	8.5	5.7	-4.7	-23.8	-53.3
B	300 Blackout	110 gr. V-MAX® (16" Bbl)	(7.1)	80873	.290	724	676	630	586	544	502	463	1868	1630	1416	1224	1052	899	763	-5.0	0.2	0	-6.4	-19.9	-41.7	-73.3	148	-5.0	2.2	4.0	-0.4	-11.9	-31.7	-61.3
AG	300 Blackout	125 gr. HP (16" Bbl)	(8.1)	80897	.320	663	622	582	544	506	470	436	1780	1566	1372	1197	1038	897	770	-5.0	0.7	0	-7.9	-24.2	-50.0	-86.9	139	-5.0	2.7	4.0	-1.9	-16.2	-40.0	-74.9
C	300 Blackout	135 gr. FTX® (16" Bbl)	(8.7)	80881	.274	636	589	544	501	459	419	382	1767	1516	1293	1096	922	770	637	-5.0	1.0	0	-9.4	-28.5	-59.4	-104.1	134	-5.0	3.0	4.0	-3.4	-20.5	-49.4	-92.1
CD	300 Blackout	190 gr. SUB-X™ (16" Bbl)	(12.3)	80877	.437	320	300	280	261	243	—	—	631	554	484	421	364	—	—	-5.0	11.2	0	-42.4	-120.7	—	—	108	-5.0	13.2	4.0	-36.4	-112.7	—	—
B	300 Blackout	208 gr. A-MAX® (16" Bbl)	(13.5)	80891	.648	311	297	284	271	259	247	235	651	596	545	497	452	410	371	-5.0	11.4	0	-41.7	-116.8	-228.4	-380.4	108	-5.0	13.4	4.0	-35.7	-108.8	-218.4	-368.4
LEV	30-30 Win	140 gr. MonoFlex®	(9.1)	82731	.277	751	701	651	604	559	515	473	2561	2226	1925	1656	1416	1203	1015	-5.0	0.0	0	-5.8	-18.3	-38.7	-68.3	151	-5.0	2.0	4.0	0.2	-10.3	-28.7	-56.3
W	30-30 Win	150 gr. RN	(9.7)	80801	.186	728	655	585	519	457	399	345	2579	2084	1663	1309	1016	774	579	-5.0	0.4	0	-7.6	-24.3	-52.8	-96.7	141	-5.0	2.4	4.0	-1.6	-16.3	-42.8	-84.7
LEV	30-30 Win	160 gr. FTX®	(10.4)	82730	.330	732	689	648	609	570	533	497	2774	2464	2180	1922	1687	1474	1283	-5.0	0.1	0												

Ammo Description		Velocity (m/sec)						Energy (joules)						Trajectory Tables (cm)						GEE	GEE Trajectory																		
CARTRIDGE	BULLET	ITEM #	B.C.	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m		MUZ	50m	100m	150m	200m	250m	300m							
SF	30-06 Springfield	150 gr. SST®	(9.7 g)	81093	.415	939	900	862	825	789	754	719	684	649	614	579	544	4284	3939	3615	3311	3027	2762	2515	-5.0	-1.0	0	-2.3	-8.2	-18.1	-32.3	198	-5.0	1.0	4.0	3.7	-0.2	-8.1	-20.3
SI	30-06 Springfield	150 gr. GMX®	(9.7 g)	81128	.415	876	839	803	767	732	699	665	632	599	566	533	500	3732	3423	3132	2861	2608	2372	2152	-5.0	-0.8	0	-3.0	-10.3	-22.1	-38.9	183	-5.0	1.2	4.0	3.0	-2.3	-12.1	-26.9
W	30-06 Springfield	150 gr. InterLock® SP	(9.7 g)	8108	.338	887	841	797	753	711	670	630	592	554	517	481	445	3824	3439	3084	2757	2457	2182	1931	-5.0	-0.8	0	-3.1	-10.5	-22.8	-40.6	182	-5.0	1.2	4.0	2.9	-2.5	-12.8	-28.6
SI	30-06 Springfield	165 gr. GMX®	(10.7 g)	81168	.447	846	812	779	746	715	683	653	625	597	570	542	514	3825	3525	3243	2978	2730	2497	2280	-5.0	-0.6	0	-3.4	-11.2	-23.8	-41.7	177	-5.0	1.4	4.0	2.6	-3.2	-13.8	-29.7
CI	30-06 Springfield	165 gr. ETX®	(10.7 g)	81161	.421	841	774	709	647	588	532	478	424	374	326	282	238	3200	2687	2238	1848	1512	1223	950	-5.0	-0.4	0	-4.4	-14.8	-32.2	-58.3	163	-5.0	1.6	4.0	1.6	-6.8	-22.2	-46.3
SF	30-06 Springfield	165 gr. SST®	(10.7 g)	81153	.447	902	867	833	799	766	734	702	670	638	606	574	542	4352	4020	3707	3413	3137	2878	2636	-5.0	-0.9	0	-2.7	-9.2	-19.9	-35.1	190	-5.0	1.1	4.0	3.3	-1.2	-9.9	-23.1
SF	30-06 Springfield	165 gr. GMX®	(10.7 g)	8116	.447	896	861	827	793	760	728	697	667	637	607	577	547	3965	3656	3365	3092	2836	2596	2366	-5.0	-0.8	0	-2.7	-9.4	-20.3	-35.8	189	-5.0	1.2	4.0	3.4	-1.4	-10.3	-23.8
VM	30-06 Springfield	168 gr. ELD® Match	(10.9 g)	81171	.523	826	797	769	742	715	688	662	634	607	580	553	526	2995	2780	2577	2385	2193	2001	1810	-5.0	-0.6	0	-3.6	-11.6	-24.4	-42.5	175	-5.0	1.4	4.0	2.4	-3.6	-14.4	-30.5
PH	30-06 Springfield	178 gr. ELD-X®	(11.5 g)	81174	.552	838	811	784	758	732	706	681	655	630	604	578	552	4052	3792	3545	3310	3087	2875	2675	-5.0	-0.6	0	-3.4	-11.0	-23.2	-40.3	178	-5.0	1.4	4.0	2.6	-3.0	-13.2	-28.3
O	30-06 Springfield	180 gr. GMX®	(11.7 g)	81164	.485	792	762	733	704	675	648	621	594	567	540	513	486	3390	3132	2890	2661	2447	2246	2050	-5.0	-0.4	0	-4.2	-13.3	-27.8	-48.2	182	-5.0	2.2	5.2	3.6	-2.9	-14.8	-32.6
CI	30-06 Springfield	180 gr. InterLock® SP	(11.7 g)	81182	.425	797	763	729	696	664	632	602	573	544	515	486	457	3392	3099	2826	2571	2333	2113	1903	-5.0	-0.4	0	-4.2	-13.5	-28.4	-49.4	166	-5.0	1.6	4.0	1.8	-5.5	-18.4	-37.6
SF	30-06 Springfield	180 gr. SST®	(11.7 g)	81183	.480	860	828	796	766	736	706	678	650	622	594	566	538	4309	3996	3700	3421	3158	2910	2678	-5.0	-0.7	0	-3.2	-10.5	-22.4	-39.2	181	-5.0	1.3	4.0	2.8	-2.5	-12.4	-27.2
CI	30-06 Springfield	220 gr. InterLock® RN	(14.3 g)	8114	.300	721	675	631	588	546	506	468	430	392	354	317	280	2834	2642	2462	2318	2182	2046	1910	-5.0	0.2	0	-6.4	-19.9	-41.6	-72.9	148	-5.0	2.2	4.0	-0.4	-11.9	-31.6	-60.9
C	300 H&H Mag	180 gr. InterBond®	(11.7 g)	8210	.480	875	843	811	780	750	720	691	663	635	607	579	551	4463	4141	3837	3550	3279	3024	2784	-5.0	-0.8	0	-3.0	-9.9	-21.3	-37.4	185	-5.0	1.2	4.0	3.0	-1.9	-11.3	-25.4
PH	300 RSAUM	178 gr. ELD-X®	(11.5 g)	82144	.552	See hornady.com for latest information																																	
SF	300 RCM	150 gr. SST®	(9.7 g)	82231	.415	1009	969	929	891	853	816	780	744	708	672	636	600	4947	4561	4198	3857	3537	3238	2957	-5.0	-1.2	0	-1.6	-6.4	-14.5	-26.3	216	-5.0	0.8	4.0	4.4	1.6	-4.5	-14.3
SF	300 RCM	165 gr. GMX®	(10.7 g)	82229	.447	954	918	882	848	813	780	747	714	681	648	615	582	4604	4162	3841	3538	3253	2986	2730	-5.0	-1.0	0	-2.1	-7.6	-16.9	-30.1	203	-5.0	1.0	4.0	3.9	0.4	-6.9	-18.1
PH	300 RCM	178 gr. ELD-X®	(11.5 g)	82224	.552	884	856	828	801	774	748	722	696	670	644	618	592	4506	4224	3955	3699	3456	3223	3006	-5.0	-0.8	0	-2.8	-9.3	-20.0	-35.1	189	-5.0	1.2	4.0	3.2	-1.3	-10.0	-23.1
W	300 WSM	165 gr. InterLock®	(10.7 g)	82204	.435	954	917	880	845	810	776	742	708	674	640	606	572	4866	4494	4144	3815	3506	3215	2944	-5.0	-1.0	0	-2.1	-7.7	-17.0	-30.4	203	-5.0	1.0	4.0	3.9	0.3	-7.0	-18.4
SF	300 WSM	165 gr. GMX®	(10.7 g)	82206	.447	981	945	909	873	839	805	771	737	703	669	635	601	5150	4771	4414	4077	3760	3462	3181	-5.0	-1.1	0	-1.8	-6.9	-15.5	-27.8	211	-5.0	0.9	4.0	4.2	1.1	-5.5	-15.8
O	300 WSM	180 gr. GMX®	(11.7 g)	82203	.485	884	852	821	790	759	730	701	672	643	614	585	556	4557	4233	3927	3637	3364	3107	2864	-5.0	-0.8	0	-2.8	-9.6	-20.6	-36.2	182	-5.0	1.0	3.7	2.7	-2.2	-11.4	-25.2
PH	300 WSM	200 gr. ELD-X®	(13.0 g)	82208	.597	860	834	809	784	759	735	712	688	664	640	616	592	4788	4507	4238	3981	3736	3503	3281	-5.0	-0.7	0	-3.0	-10.0	-21.3	-37.1	184	-5.0	1.3	4.0	3.0	-2.0	-11.3	-25.1
W	300 Win Mag	160 gr. InterLock® SP	(9.7 g)	8204	.349	998	951	905	859	816	773	731	689	647	605	563	521	4394	3977	3590	3232	2902	2598	2320	-5.0	-1.1	0	-1.9	-7.0	-15.9	-28.9	209	-5.0	0.9	4.0	4.1	1.0	-5.9	-16.9
SF	300 Win Mag	165 gr. GMX®	(10.7 g)	82026	.447	994	957	920	885	850	816	782	748	714	680	646	612	4893	4528	4185	3861	3556	3270	3000	-5.0	-1.2	0	-1.7	-6.6	-14.9	-26.8	214	-5.0	0.8	4.0	4.3	1.4	-4.9	-14.8
SI	300 Win Mag	165 gr. GMX®	(10.7 g)	82038	.447	994	957	921	885	850	816	782	748	714	680	646	612	4896	4531	4187	3864	3559	3272	3000	-5.0	-1.2	0	-1.7	-6.6	-14.9	-26.8	214	-5.0	0.8	4.0	4.3	1.4	-4.9	-14.8
M	300 Win Mag	178 gr. ELD® Match	(11.5 g)	82043	.547	902	873	845	817	790	763	737	710	684	657	631	604	4695	4401	4121	3854	3601	3360	3131	-5.0	-0.9	0	-2.5	-8.8	-18.9	-33.2	194	-5.0	1.1	4.0	3.5	-0.8	-8.9	-21.2
O	300 Win Mag	180 gr. GMX®	(11.7 g)	82197	.485	902	870	838	807	776	746	717	688	659	630	601	572	4494	4139	3797	3515	3248	2997	2756	-5.0	-0.9	0	-2.6	-9.0	-19.4	-34.2	182	-5.0	0.8	3.4	2.5	-2.1	-10.9	-24.0
CI	300 Win Mag	180 gr. InterLock® SP	(11.7 g)	8206	.425	902	865	829	794	759	725	692	659	626	593	560	527	4360	4010	3676	3363	3070	2797	2547	-5.0	-0.9	0	-2.7	-9.3	-20.2	-35.7	190	-5.0	1.1	4.0	3.3	-1.3	-10.2	-23.7
SF	300 Win Mag	180 gr. SST®	(11.7 g)	82193	.480	954	920	887	855	823	791	761	730	700	670	640	610	5309	4949	4591	4260	3948	3654	3376	-5.0	-1.1	0	-2.1	-7.5	-16.5	-29.5	205	-5.0	0.9	4.0	3.9	0.5	-6.5	-17.5
M	300 Win Mag	195 gr. ELD® Match	(12.6 g)	82180	.584	893	866	840	814	788	763	739	714	689	664	639	614	5040	4742	4458	4187	3928	3681	3447	-5.0	-0.9	0	-2.6	-8.9	-19.2	-33.6	192	-5.0	1.1	4.0	3.4	-0.9	-9.2	-21.6
PH	300 Win Mag	200 gr. ELD-X®	(13.0 g)	82002	.597	872	846	820	795	771	746	723	697	672	647	622	597	4637	4362	4100	3849	3611	3383	3155	-5.0	-0.8	0	-2.9	-9.6	-20.5	-35.7	187	-5.0	1.2	4.0	3.1	-1.6	-10.5	-23.7
PH	300 Wby Mag	200 gr. ELD-X®	(13.0 g)	82213	.597	902	876	850	824	799	774	750	725	699	674	649	624	4681	4404	4139	3887	3646	3405	3164	-5.0	-0.9	0	-2.5	-8.6	-18.5	-32.6								

Ammo Description			Velocity (m/sec)							Energy (joules)							Trajectory Tables (cm)						GEE	GEE Trajectory										
CARTRIDGE	BULLET	ITEM #	B.C.	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m	MUZ	50m	100m	150m	200m	250m	300m		MUZ	50m	100m	150m	200m	250m	300m		
O	375 Ruger	250 gr. GMX®	(16,2 g)	82337	.430	853	818	783	750	717	684	653	5900	5422	4973	4552	4159	3792	3449	-5.0	-0.7	0	-3.3	-11.0	-23.5	-41.2	182	-5.0	1.5	4.3	3.0	-2.5	-12.9	-28.4
DG	375 Ruger	270 gr. InterLock® SP-RP	(17,5 g)	82331	.380	866	825	786	748	710	674	638	6556	5960	5406	4891	4414	3973	3566	-5.0	-0.7	0	-3.3	-10.9	-23.5	-41.4	179	-5.0	1.3	4.0	2.7	-2.9	-13.5	-29.5
DG	375 Ruger	300 gr. DGX® Bonded	(19,4 g)	82336	.275	811	757	706	656	608	562	518	6390	5576	4842	4183	3594	3070	2605	-5.0	-0.4	0	-4.6	-14.9	-31.8	-56.5	162	-5.0	1.6	4.0	1.4	-6.9	-21.8	-44.5
DG	375 Ruger	300 gr. DGS®	(19,4 g)	8232	.275	811	757	706	656	608	562	518	6390	5576	4842	4183	3594	3070	2605	-5.0	-0.4	0	-4.6	-14.9	-31.8	-56.5	162	-5.0	1.6	4.0	1.4	-6.9	-21.8	-44.5
DG	450-400 Nitro Express 3"	400 gr. DGX® Bonded	(25,9 g)	82432	.325	625	586	548	511	476	442	409	5060	4446	3889	3386	2933	2527	2165	-5.0	1.1	0	-9.3	-27.9	-57.5	-99.6	134	-5.0	3.1	4.0	-3.3	-19.9	-47.5	-87.6
DG	450-400 Nitro Express 3"	400 gr. DGS®	(25,9 g)	8242	.325	625	586	548	511	476	442	409	5060	4446	3889	3386	2933	2527	2165	-5.0	1.1	0	-9.3	-27.9	-57.5	-99.6	134	-5.0	3.1	4.0	-3.3	-19.9	-47.5	-87.6
C	405 Win	300 gr. InterLock® SP	(19,4 g)	8241	.250	671	618	567	519	473	428	387	4371	3711	3128	2617	2171	1784	1452	-5.0	0.7	0	-8.4	-25.9	-54.4	-96.2	138	-5.0	2.7	4.0	-2.4	-17.9	-44.4	-84.2
DG	416 Ruger	400 gr. DGX® Bonded	(25,9 g)	82667	.319	732	688	646	605	565	527	490	6936	6134	5404	4741	4141	3600	3114	-5.0	0.1	0	-6.0	-18.7	-39.1	-68.3	150	-5.0	2.1	4.0	0.0	-10.7	-29.1	-56.3
DG	416 Ruger	400 gr. DGS®	(25,9 g)	82666	.319	732	688	646	605	565	527	490	6936	6134	5404	4741	4141	3600	3114	-5.0	0.1	0	-6.0	-18.7	-39.1	-68.3	150	-5.0	2.1	4.0	0.0	-10.7	-29.1	-56.3
DG	416 Rem Mag	400 gr. DGX® Bonded	(25,9 g)	82672	.319	732	688	646	605	565	527	490	6936	6134	5404	4741	4141	3600	3114	-5.0	0.1	0	-6.0	-18.7	-39.1	-68.3	150	-5.0	2.1	4.0	0.0	-10.7	-29.1	-56.3
DG	416 Rem Mag	400 gr. DGS®	(25,9 g)	82674	.319	732	688	646	605	565	527	490	6936	6134	5404	4741	4141	3600	3114	-5.0	0.1	0	-6.0	-18.7	-39.1	-68.3	150	-5.0	2.1	4.0	0.0	-10.7	-29.1	-56.3
DG	416 Rigby	400 gr. DGX® Bonded	(25,9 g)	82661	.319	736	692	650	609	569	531	494	7023	6213	5476	4806	4199	3652	3160	-5.0	0.1	0	-5.9	-18.4	-38.4	-67.2	151	-5.0	2.1	4.0	0.1	-10.4	-28.4	-55.2
DG	416 Rigby	400 gr. DGS®	(25,9 g)	8265	.319	736	692	650	609	569	531	494	7023	6213	5476	4806	4199	3652	3160	-5.0	0.1	0	-5.9	-18.4	-38.4	-67.2	151	-5.0	2.1	4.0	0.1	-10.4	-28.4	-55.2
DG	500-416 Nitro Express	400 gr. DGX® Bonded	(25,9 g)	82683	.319	701	658	617	577	539	502	466	6370	5620	4938	4321	3763	3261	2811	-5.0	0.3	0	-6.8	-20.9	-43.5	-75.9	145	-5.0	2.3	4.0	-0.8	-12.9	-33.5	-63.9
DG	500-416 Nitro Express	400 gr. DGS®	(25,9 g)	82682	.319	701	658	617	577	539	502	466	6370	5620	4938	4321	3763	3261	2811	-5.0	0.3	0	-6.8	-20.9	-43.5	-75.9	145	-5.0	2.3	4.0	-0.8	-12.9	-33.5	-63.9
DG	404 Jeffery	400 gr. DGX® Bonded	(25,9 g)	82381	.325	701	659	619	580	542	505	470	6370	5633	4962	4353	3802	3305	2858	-5.0	0.3	0	-6.7	-20.8	-43.2	-75.3	145	-5.0	2.3	4.0	-0.7	-12.8	-33.2	-63.3
DG	404 Jeffery	400 gr. DGS®	(25,9 g)	8239	.325	701	659	619	580	542	505	470	6370	5633	4962	4353	3802	3305	2858	-5.0	0.3	0	-6.7	-20.8	-43.2	-75.3	145	-5.0	2.3	4.0	-0.7	-12.8	-33.2	-63.3
SF	444 Marlin	265 gr. InterLock® FP	(17,2 g)	82453	.189	732	659	590	525	463	406	352	4595	3726	2987	2363	1843	1414	1064	-5.0	0.3	0	-7.4	-23.8	-51.6	-94.3	142	-5.0	2.3	4.0	-1.4	-15.8	-41.6	-82.3
LEV	444 Marlin	265 gr. FTX®	(17,2 g)	82744	.225	709	648	591	536	484	434	387	4312	3610	2996	2465	2008	1617	1286	-5.0	0.4	0	-7.5	-23.5	-50.1	-89.7	142	-5.0	2.4	4.0	-1.5	-15.5	-40.1	-77.7
C	450 Bushmaster	250 gr. FTX® (20" Bbl)	(16,2 g)	82244	.210	671	608	549	492	439	388	341	3643	2995	2437	1962	1559	1222	943	-5.0	0.8	0	-9.0	-28.2	-60.1	-108.3	135	-5.0	2.8	4.0	-3.0	-20.2	-50.1	-96.3
B	450 Bushmaster	250 gr. FTX® (20" Bbl)	(16,2 g)	82246	.210	671	608	549	492	439	388	341	3643	2995	2437	1962	1559	1222	943	-5.0	0.8	0	-9.0	-28.2	-60.1	-108.3	135	-5.0	2.8	4.0	-3.0	-20.2	-50.1	-96.3
LEV	45-70 Govt	250 gr. MonoFlex®	(16,2 g)	82741	.175	617	546	479	417	358	305	255	3086	2415	1859	1405	1040	751	527	-5.0	1.6	0	-12.4	-39.0	-84.8	-156.9	127	-5.0	3.6	4.0	-6.4	-31.0	-74.8	-144.9
LEV	45-70 Govt	325 gr. FTX®	(21,1 g)	82747	.230	610	555	504	454	408	364	322	3914	3248	2671	2175	1751	1392	1092	-5.0	1.5	0	-11.2	-34.3	-72.2	-128.6	129	-5.0	3.5	4.0	-5.2	-26.3	-62.2	-116.6
LEV	450 Marlin	325 gr. FTX®	(21,1 g)	82750	.230	678	621	566	513	463	416	371	4844	4056	3368	2772	2259	1821	1449	-5.0	0.7	0	-8.4	-26.1	-55.3	-98.7	138	-5.0	2.7	4.0	-2.4	-18.1	-45.3	-86.7
DG	450 Rigby	480 gr. DGX® Bonded	(31,1 g)	82668	.285	732	683	636	590	547	505	465	8323	7252	6288	5423	4651	3964	3356	-5.0	0.1	0	-6.2	-19.5	-40.9	-72.0	149	-5.0	2.1	4.0	-0.2	-11.5	-30.9	-60.0
DG	450 Rigby	480 gr. DGS®	(31,1 g)	82662	.285	732	683	636	590	547	505	465	8323	7252	6288	5423	4651	3964	3356	-5.0	0.1	0	-6.2	-19.5	-40.9	-72.0	149	-5.0	2.1	4.0	-0.2	-11.5	-30.9	-60.0
DG	450 Nitro Express 3 1/4"	480 gr. DGX® Bonded	(31,1 g)	8257	.285	655	610	565	523	482	443	405	6679	5779	4972	4253	3615	3052	2557	-5.0	0.8	0	-8.5	-26.0	-54.0	-94.6	137	-5.0	2.8	4.0	-2.5	-18.0	-44.0	-82.6
DG	450 Nitro Express 3 1/4"	480 gr. DGS®	(31,1 g)	8256	.285	655	610	565	523	482	443	405	6679	5779	4972	4253	3615	3052	2557	-5.0	0.8	0	-8.5	-26.0	-54.0	-94.6	137	-5.0	2.8	4.0	-2.5	-18.0	-44.0	-82.6
DG	458 Win Mag	500 gr. DGX® Bonded SPF	(32,4 g)	85834	.295	652	608	566	524	485	447	411	6893	5992	5182	4456	3810	3237	2731	-5.0	0.8	0	-8.5	-25.9	-53.8	-94.0	137	-5.0	2.8	4.0	-2.5	-17.9	-43.8	-82.0
DG	458 Win Mag	500 gr. DGS® SPF	(32,4 g)	8585	.295	652	608	566	524	485	447	411	6893	5992	5182	4456	3810	3237	2731	-5.0	0.8	0	-8.5	-25.9	-53.8	-94.0	137	-5.0	2.8	4.0	-2.5	-17.9	-43.8	-82.0
DG	458 Lott	500 gr. DGX® Bonded	(32,4 g)	82614	.295	701	655	611	568	527	487	449	7962	6953	6042	5224	4492	3840	3261	-5.0	0.4	0	-6.9	-21.5	-44.9	-78.7	144	-5.0	2.4	4.0	-0.9	-13.5	-34.9	-66.7
DG	458 Lott	500 gr. DGS®	(32,4 g)	8262	.295	701	655	611	568	527	487	449	7962	6953	6042	5224	4492	3840	3261	-5.0	0.4	0	-6.9	-21.5	-44.9	-78.7	144	-5.0	2.4	4.0	-0.9	-13.5	-34.9	-66.7
DG	470 Nitro Express	500 gr. DGX® Bonded	(32,4 g)	82631	.290	655	610	567	525	485	446	409	6958	6035	5207	4467	3809	3227	2714	-5.0	0.8	0	-8.4	-25.8	-53.6	-93.7	137	-5.0	2.8	4.0	-2.4	-17.8	-43.6	-81.7
DG	470 Nitro Express	500 gr. DGS®	(32,4 g)	8264	.290	655	610	567	525	485	446	409	6958	6035	5207	4467	3809	3227	2714	-5.0	0.8	0	-8.4	-25.8	-53.6	-93.7	137	-5.0	2.8	4.0	-2.4	-17.8	-43.6	-81.7
DG	500 Nitro Express 3"	570 gr. DGX® Bonded	(36,9 g)	82689	.295	646	602	560	519	480	442	406	7712	6699	5790	4976	4251	3609	3042	-5.0	0.9	0	-8.7	-26.6	-55.									

## Muzzleloader Projectile Ballistics

Muzzleloader Ammo Description			Velocity (m/sec)						Energy (joules)					Trajectory Tables (cm)						
DESCRIPTION	BULLET WT.	ITEM #	MUZ	50m	100m	150m	200m	250m	MUZ	50m	100m	150m	200m	250m	MUZ	50m	100m	150m	200m	250m
45 Cal. SST®-ML™ Low Drag Sabot	200 gr. (13.0g)	67132	709	657	608	561	516	475	3255	2797	2393	2038	1728	1461	-5.0	2.9	4.9	0	-13.1	-35.6
50 Cal. SST®-ML™ Lock-N-Load® Speed Sabot®	250 gr. (16.2g)	67270	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. SST®-ML™ Low Drag Sabot	250 gr. (16.2g)	67273	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. MonoFlex® High Speed Low Drag Sabot	250 gr. (16.2g)	67274	686	622	562	507	456	410	3810	3136	2562	2080	1682	1363	-5.0	3.8	5.9	0	-16.2	-44.7
50 Cal. SST®-ML™ Lock-N-Load® Speed Sabot®	300 gr. (19.4g)	67271	649	597	548	502	459	420	4097	3467	2920	2449	2049	1716	-5.0	4.2	6.4	0	-16.7	-45.3
50 Cal. SST®-ML™ Low Drag Sabot	300 gr. (19.4g)	67263	649	597	548	502	459	420	4097	3467	2920	2449	2049	1716	-5.0	4.2	6.4	0	-16.7	-45.3

All data developed in a stock T/C Omega inline muzzleloader with 150 gr. charges except when noted. Zero your rifle 3" high at 100 yards for a 6" shooting window to 200 yards with 3 pellets or 150 gr. charges.

## Shotgun Slug Ballistics

Shotgun Slug Description			Velocity (m/sec)						Energy (joules)					Trajectory Tables (cm)						
AMMO DESCRIPTION	BULLET	ITEM #	MUZ	25m	50m	75m	100m	125m	MUZ	25m	50m	75m	100m	125m	MUZ	25m	50m	75m	100m	125m
12 GA American Whitetail® Rifled Slug 2¾" (70 mm)	1 oz. Rifled Slug	86234	488	417	361	322	296	278	3376	2464	1845	1471	1244	1093	-5.0	0.7	2.9	0	-8.8	-24.9
12 GA American Gunner® Reduced Recoil Rifled Slug 2¾" (70 mm)	1 oz. Rifled Slug	86231	396	346	312	289	271	257	2226	1693	1382	1185	1043	934	-5.0	2.3	4.4	0	-11.7	-32

## Shotgun Ballistics

AMMO DESCRIPTION	SHOT SIZE	SHELL LENGTH	ITEM #	Velocity (m/sec) muzzle
12 GA Varmint Express® 2¾" (70 mm)	#4 Buck	2¾" (70 mm)	86243	404
12 GA Critical Defense® 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86240	488
12 GA Superformance® 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86246	488
12 GA American Gunner® 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86274	411
12 GA Hornady BLACK™ 2¾" (70 mm)	00 Buck (8 Pellets)	2¾" (70 mm)	86249	488
12 GA Heavy Magnum® Turkey 3"	#4	3" (76 mm)	86242	396

AMMO DESCRIPTION	SHOT SIZE	SHELL LENGTH	ITEM #	Velocity (m/sec) muzzle
12 GA Heavy Magnum® Turkey 3" (76 mm)	#5	3" (76 mm)	86241	396
12 GA Heavy Magnum® Turkey 3" (76 mm)	#6	3" (76 mm)	86244	396
12 GA Heavy Magnum® Coyote 3" (76 mm)	BB	3" (76 mm)	86222	396
12 GA Heavy Magnum® Coyote 3" (76 mm)	00 Buck	3" (76 mm)	86224	396
20 GA Heavy Magnum® Turkey 3" (76 mm)	#5	3" (76 mm)	86248	351
410 Critical Defense® Triple Defense™	FTX® Slug & 2 round balls	2½" (65 mm)	86238	219

12 gauge shotgun ballistics are established with a 30" SAAMI standard test barrel. 20 gauge shotgun ballistics are established with a 26" SAAMI standard test barrel.

# Handgun Ammunition Product Lines:

**AG** American Gunner™

**CD** Critical Defense®

**CDL** Critical Defense® Lite

**DUTY** Critical Duty®

**C** Custom™

**LEV** LEVERevolution®

**S** Steel Match®

## Handgun Ballistics

Ammo Description			Velocity (m/sec)			Energy (joules)				
CARTRIDGE	BULLET	ITEM #	BARREL LENGTH	MUZ	50m	100m	MUZ	50m	100m	
CD	22 WMR	45 gr. FTX® (2,9 g)	83200	1 7/8 V"	305	280	261	136	115	99
CD	25 Auto	35 gr. FTX® (2,3 g)	90014	2"						
C	25 Auto	35 gr. XTP® (2,3 g)	90012	2"	274	248	226	85	69	58
C	32 Auto	60 gr. FTX® (3,9 g)	90063	4"						
C	32 Auto	60 gr. XTP® (3,9 g)	90062	4"	305	276	254	180	148	125
CD	32 NAA	80 gr. FTX® (5,2 g)	90070	4"	305	284	268	241	210	186
CD	32 H&R	80gr. FTX® (5,2 g)	90060	4"	351	317	294	319	260	224
AG	380 Auto	90 gr. XTP® (5,8 g)	90104	4"	305	278	258	271	225	194
CD	380 Auto	90 gr. FTX® (5,8 g)	90080	4"	305	278	258	271	225	194
CDL	9mm Luger	100 gr. FTX® (6,5 g)	90240	4"	343	306	281	381	304	256
AG	9mm Luger	115 gr. XTP® (7,5 g)	90244	4"	352	316	292	462	373	317
CD	9mm Luger	115 gr. FTX® (7,5 g)	90250	4"	346	312	289	446	363	312
DUTY	9mm Luger +P	124 gr. FlexLock® (8,0 g)	90216	4"	358	327	304	515	429	373
AG	9mm Luger +P	124 gr. XTP® (8,0 g)	90224	4"	358	325	301	515	424	365
C	9mm Luger	124 gr. XTP® (8,0 g)	90242	4"	338	313	294	460	393	348
DUTY	9mm Luger	135 gr. FlexLock® (8,7 g)	90236	4"	308	293	280	415	374	343
DUTY	9mm Luger +P	135 gr. FlexLock® (8,7 g)	90226	4"	338	316	300	500	438	392
C	9mm Luger	147 gr. XTP® (9,5 g)	90282	4"	297	285	274	420	386	358
DUTY	357 Sig	135 gr. FlexLock® (8,7 g)	91296	4"	373	339	314	610	503	433
C	357 Sig	147 gr. XTP® (9,5 g)	9131	4"	373	345	323	664	567	498
CDL	38 Special	90 gr. FTX® (5,8 g)	90300	4"	366	316	286	390	292	239
CD	38 Special	110 gr. FTX® (7,1 g)	90310	4" V	308	286	269	338	292	258
CD	38 Special +P	110 gr. FTX® (7,1 g)	90311	4" V	332	304	283	393	328	285
AG	38 Special	125 gr. XTP® (8,1 g)	90324	4" V	274	261	249	305	275	251
C	38 Special	158 gr. XTP® (10,2 g)	90362	4" V	244	236	229	305	285	268
CD	357 Magnum	125 gr. FTX® (8,1 g)	90500	8" V	457	400	354	846	648	510
AG	357 Magnum	125 gr. XTP® (8,1 g)	90504	8" V	457	400	355	846	649	511
DUTY	357 Magnum	135 gr. FlexLock® (8,7 g)	90511	8" V	389	351	322	660	537	456
LEV	357 Magnum	140 gr. FTX® (9,1 g)	92755	8" V	439	390	352	875	691	561
C	357 Magnum	158 gr. XTP® (10,2 g)	90562	8" V	381	350	327	743	628	546
CD	9 x 18mm Makarov	95 gr. FTX® (6,2 g)	91000	4"	305	278	258	286	239	205
AG	40 S&W	155 gr. XTP® (10,0 g)	91364	4"	360	323	298	649	525	446

Ammo Description			Velocity (m/sec)			Energy (joules)				
CARTRIDGE	BULLET	ITEM #	BARREL LENGTH	MUZ	50m	100m	MUZ	50m	100m	
C	40 S&W	155 gr. XTP® (10,0 g)	9132	4"	360	323	298	649	525	446
CD	40 S&W	165 gr. FTX® (10,7 g)	91340	3"	319	296	279	542	468	415
DUTY	40 S&W	175 gr. FlexLock® (11,3 g)	91376	4"	308	289	274	537	475	426
C	40 S&W	180 gr. XTP® (11,7 g)	9136	4"	290	275	262	489	441	403
C	10mm Auto	155 gr. XTP® (10,0 g)	9122	5"	386	341	310	747	583	484
DUTY	10mm Auto	175 gr. FlexLock® (11,3 g)	91256	5"	354	321	298	711	584	503
C	10mm Auto	180 gr. XTP® (11,7 g)	9126	5"	360	328	305	754	628	545
LEV	41 Rem Mag	190 gr. FTX® (12,3 g)	9078	10"	491	421	364	1289	946	709
C	41 Rem Mag	210 gr. XTP® (13,6 g)	9077	10"	471	417	372	1510	1182	939
C	44-40 Cowboy	205 gr. Cowboy™ (13,3 g)	9075	7½" V	221	210	200	324	293	264
CD	44 Special	165 gr. FTX® (10,7 g)	90700	2½" V	274	258	244	403	357	319
C	44 Special	180 gr. XTP® (11,7 g)	9070	7½" V	305	285	269	542	473	420
C	44 Rem Mag	200 gr. XTP® (13,0 g)	9080	7½" V	457	406	364	1354	1068	858
LEV	44 Rem Mag	225 gr. FTX® (14,6 g)	92782	7½" V	430	376	336	1346	1030	823
C	44 Rem Mag	240 gr. XTP® (15,6 g)	9085	7½" V	411	375	345	1316	1093	927
C	44 Rem Mag	300 gr. XTP® (19,4 g)	9088	7½" V	351	330	314	1194	1059	957
AG	45 Auto	185 gr. XTP® (12,0 g)	90904	5"	296	278	263	523	462	414
CD	45 Auto	185 gr. FTX® (12,0 g)	90900	3"	274	260	247	451	405	366
C	45 Auto	200 gr. XTP® (13,0 g)	9112	5"	274	261	249	488	441	401
DUTY	45 Auto +P	220 gr. FlexLock® (14,3 g)	90926	5"	297	283	270	629	569	521
C	45 Auto +P	230 gr. XTP® (14,9 g)	9096	5"	290	277	265	625	571	526
CD	45 Colt	185 gr. FTX® (12,0 g)	92790	3" V	280	265	252	472	422	380
LEV	45 Colt	225 gr. FTX® (14,6 g)	92792	4¾" V	293	275	261	624	552	496
C	45 Colt	255 gr. Cowboy™ (16,5 g)	9115	4¾" V	221	209	198	404	362	325
C	454 Casull	240 gr. XTP® Mag (15,6 g)	9148	7½" V	579	511	450	2609	2034	1578
C	454 Casull	300 gr. XTP® Mag (19,4 g)	9150	7½" V	503	450	403	2460	1967	1579
C	460 S&W	200 gr. FTX® (13,0 g)	9152	8 3/8"	671	592	519	2914	2268	1746
C	480 Ruger	325 gr. XTP® Mag (21,1 g)	9138	7½"	411	363	328	1783	1388	1135
C	50 AE	300 gr. XTP® (19,4 g)	9245	6"	450	381	333	1965	1414	1078
C	500 S&W	300 gr. FTX® (19,4 g)	9249	8½"	594	504	426	3434	2466	1760
C	500 S&W	500 gr. FP-XTP® (32,4 g)	9252	8½"	396	359	331	2544	2089	1773