

Ballistics



Rifle Ammunition Product Lines:

AG American Gunner™
AW American Whitetail®
C Custom™

CL Custom Lite®
DG Dangerous Game™ Series
FB Full Boar™

LEV LEVERevolution®
M Match™
PH Precision Hunter™

S Steel Match®
SF Superformance®
SM Superformance® Match

SV Superformance® Varmint
T TAP® FPD™
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
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 (fps) | | | | | | | | Energy (ft/lb) | | | | | | Trajectory Tables (inches) | | | | | |
|------------------|-------------|-------------------------|-------|--------|--------|--------|--------|--------|------|----------------|--------|--------|--------|--------|------|----------------------------|--------|--------|--------|--------|--------|
| CARTRIDGE | BULLET | ITEM # | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | |
| V | 17 Mach 2 | 15.5 gr. NTX® | 83176 | 2050 | 1450 | 1070 | — | — | — | 145 | 72 | 39 | — | — | -1.5 | 0 | -15.6 | — | — | — | |
| V | 17 Mach 2 | 17 gr. V-MAX® | 83177 | 2100 | 1531 | 1133 | — | — | — | 166 | 88 | 48 | — | — | -1.5 | 0 | -13.8 | — | — | — | |
| V | 17 HMR | 15.5 gr. NTX® | 83171 | 2525 | 1830 | 1291 | — | — | — | 219 | 115 | 57 | — | — | -1.5 | 0 | -9.3 | — | — | — | |
| V | 17 HMR | 17 gr. V-MAX® | 83170 | 2550 | 1902 | 1379 | — | — | — | 245 | 137 | 72 | — | — | -1.5 | 0 | -8.5 | — | — | — | |
| V | 17 HMR | 20 gr. XTP® | 83172 | 2375 | 1755 | 1274 | — | — | — | 250 | 137 | 72 | — | — | -1.5 | 0 | -10.2 | — | — | — | |
| V | 17 WSM | 20 gr. V-MAX® | 83180 | 3000 | 2504 | 2058 | — | — | — | 400 | 278 | 188 | — | — | -1.5 | 0 | -4.1 | — | — | — | |
| SV | 17 Hornet | 15.5 gr. NTX® | 83004 | 3860 | 2924 | 2159 | 1531 | 1108 | 920 | 513 | 294 | 160 | 81 | 42 | 29 | -1.5 | 1.4 | 0 | -9.1 | -33.7 | -86.4 |
| SV | 17 Hornet | 20 gr. V-MAX® | 83005 | 3650 | 3077 | 2574 | 2122 | 1721 | 1383 | 592 | 420 | 294 | 200 | 132 | 85 | -1.5 | 1.1 | 0 | -6.4 | -20.7 | -46.9 |
| C | 17 Hornet | 25 gr. HP | 83006 | 3375 | 2842 | 2368 | 1943 | 1570 | 1269 | 632 | 448 | 311 | 209 | 137 | 89 | -1.5 | 1.4 | 0 | -7.7 | -24.8 | -56.2 |
| SV | 204 Ruger | 24 gr. NTX® (26" Bbl) | 83209 | 4400 | 3667 | 3046 | 2504 | 2023 | 1604 | 1032 | 717 | 494 | 334 | 218 | 137 | -1.5 | 0.6 | 0 | -4.3 | -14.3 | -33.0 |
| SV | 204 Ruger | 32 gr. V-MAX® (26" Bbl) | 83204 | 4225 | 3645 | 3137 | 2685 | 2275 | 1903 | 1268 | 944 | 699 | 512 | 368 | 257 | -1.5 | 0.6 | 0 | -4.1 | -13.1 | -28.9 |
| SV | 204 Ruger | 40 gr. V-MAX® (26" Bbl) | 83206 | 3900 | 3482 | 3104 | 2757 | 2435 | 2136 | 1351 | 1077 | 855 | 675 | 527 | 405 | -1.5 | 0.7 | 0 | -4.3 | -13.2 | -28.0 |
| C | 204 Ruger | 45 gr. SP (26" Bbl) | 83208 | 3625 | 3188 | 2793 | 2431 | 2096 | 1791 | 1313 | 1015 | 779 | 590 | 439 | 320 | -1.5 | 1.0 | 0 | -5.4 | -16.8 | -36.2 |
| V | 5.45 x 39mm | 60 gr. V-MAX® (16" Bbl) | 8124 | 2810 | 2495 | 2202 | 1929 | 1679 | 1457 | 1052 | 830 | 646 | 496 | 376 | 283 | -1.8 | 1.9 | 0 | -9.1 | -27.7 | -58.6 |
| V | 22 WMR | 25 gr. NTX® | 83201 | 2200 | 1383 | 974 | — | — | — | 269 | 106 | 53 | — | — | -1.5 | 0 | -17.5 | — | — | — | |
| V | 22 WMR | 30 gr. V-MAX® | 83202 | 2200 | 1454 | 1026 | — | — | — | 322 | 141 | 70 | — | — | -1.5 | 0 | -15.7 | — | — | — | |
| V | 22 Hornet | 35 gr. V-MAX® | 8302 | 3070 | 2247 | 1574 | 1117 | 918 | 802 | 732 | 392 | 192 | 97 | 65 | 50 | -1.5 | 2.9 | 0 | -17.5 | -62.7 | -149.2 |
| C | 22 Hornet | 45 gr. SP | 83028 | 2665 | 2241 | 1858 | 1523 | 1252 | 1071 | 710 | 502 | 345 | 232 | 157 | 115 | -1.5 | 2.8 | 0 | -13.0 | -41.2 | -91.6 |
| SV | 222 Rem | 35 gr. NTX® | 8309 | 3760 | 3148 | 2615 | 2140 | 1719 | 1369 | 1099 | 770 | 531 | 356 | 230 | 146 | -1.5 | 1.0 | 0 | -6.2 | -20.1 | -46.0 |
| SV | 222 Rem | 50 gr. V-MAX® | 8316 | 3345 | 2930 | 2553 | 2205 | 1886 | 1599 | 1242 | 953 | 723 | 540 | 395 | 284 | -1.5 | 1.3 | 0 | -6.7 | -20.6 | -44.3 |
| SV | 223 Rem | 35 gr. NTX® | 83266 | 4000 | 3353 | 2796 | 2302 | 1861 | 1483 | 1243 | 874 | 607 | 412 | 269 | 171 | -1.5 | 0.8 | 0 | -5.3 | -17.3 | -39.6 |
| V | 223 Rem | 40 gr. V-MAX® | 8325 | 3800 | 3249 | 2763 | 2326 | 1931 | 1582 | 1282 | 937 | 678 | 481 | 331 | 222 | -1.5 | 0.9 | 0 | -5.5 | -17.6 | -39.1 |
| FB | 223 Rem | 50 gr. GMX® | 83291 | 3335 | 2872 | 2455 | 2074 | 1730 | 1434 | 1235 | 916 | 669 | 477 | 332 | 228 | -1.5 | 1.4 | 0 | -7.2 | -22.6 | -49.8 |
| SV | 223 Rem | 53 gr. V-MAX® | 8025 | 3465 | 3106 | 2776 | 2470 | 2183 | 1916 | 1413 | 1135 | 907 | 718 | 561 | 432 | -1.5 | 1.1 | 0 | -5.6 | -16.9 | -35.6 |
| AG | 223 Rem | 55 gr. HP | 80237 | 3240 | 2802 | 2405 | 2042 | 1713 | 1429 | 1282 | 959 | 706 | 509 | 358 | 249 | -1.5 | 1.5 | 0 | -7.6 | -23.6 | -51.5 |
| SF | 223 Rem | 55 gr. GMX® | 83274 | 3250 | 2849 | 2482 | 2144 | 1834 | 1557 | 1290 | 991 | 753 | 561 | 411 | 296 | -1.5 | 1.4 | 0 | -7.1 | -21.8 | -47.0 |
| V | 223 Rem | 55 gr. V-MAX® | 8327 | 3240 | 2855 | 2502 | 2175 | 1873 | 1602 | 1282 | 995 | 764 | 578 | 429 | 313 | -1.5 | 1.4 | 0 | -7.0 | -21.4 | -45.8 |
| T | 223 Rem | 55 gr. TAP® FPD™ | 83278 | 3240 | 2855 | 2502 | 2175 | 1873 | 1602 | 1282 | 995 | 764 | 578 | 429 | 313 | -1.5 | 1.4 | 0 | -7.0 | -21.4 | -45.8 |
| S | 223 Rem | 55 gr. HP | 80274 | 3240 | 2853 | 2499 | 2171 | 1869 | 1597 | 1282 | 994 | 763 | 576 | 427 | 311 | -1.5 | 1.4 | 0 | -7.0 | -21.5 | -46.0 |
| M | 223 Rem | 68 gr. BTHP | 80289 | 2960 | 2697 | 2449 | 2215 | 1993 | 1786 | 1323 | 1098 | 906 | 741 | 600 | 482 | -1.5 | 1.7 | 0 | -7.5 | -22.0 | -45.4 |
| M | 223 Rem | 75 gr. BTHP | 8026 | 2790 | 2562 | 2345 | 2139 | 1943 | 1759 | 1296 | 1093 | 916 | 762 | 629 | 515 | -1.5 | 1.9 | 0 | -8.2 | -24.1 | -49.3 |
| T | 223 Rem | 75 gr. TAP® FPD™ | 80268 | 2790 | 2562 | 2345 | 2139 | 1943 | 1759 | 1296 | 1093 | 916 | 762 | 629 | 515 | -1.5 | 1.9 | 0 | -8.2 | -24.1 | -49.3 |
| SM | 223 Rem | 75 gr. BTHP | 80264 | 2930 | 2695 | 2471 | 2259 | 2057 | 1866 | 1430 | 1209 | 1017 | 850 | 705 | 580 | -1.5 | 1.7 | 0 | -7.4 | -21.6 | -44.0 |
| S | 223 Rem | 75 gr. BTHP | 80261 | 2790 | 2562 | 2345 | 2139 | 1943 | 1759 | 1296 | 1093 | 916 | 762 | 629 | 515 | -1.5 | 1.9 | 0 | -8.2 | -24.1 | -49.3 |
| SF | 5.56 NATO | 55 gr. GMX® (20" Bbl) | 81254 | 3130 | 2740 | 2382 | 2051 | 1750 | 1484 | 1196 | 917 | 693 | 514 | 374 | 269 | -2.4 | 1.1 | 0 | -7.3 | -23.0 | -50.1 |
| SM | 5.56 NATO | 75 gr. BTHP (20" Bbl) | 81264 | 2910 | 2676 | 2453 | 2242 | 2041 | 1851 | 1410 | 1192 | 1002 | 837 | 693 | 570 | -2.4 | 1.2 | 0 | -7.0 | -21.0 | -43.3 |

All data from a 24" Bbl, unless otherwise noted.

| Ammo Description | | | Velocity (fps) | | | | | | | Energy (ft/lb) | | | | | Trajectory Tables (inches) | | | | | | |
|------------------|-----------------------|--------------------------|----------------|--------|--------|--------|--------|--------|------|----------------|--------|--------|--------|--------|----------------------------|--------|--------|--------|--------|--------|-------|
| CARTRIDGE | BULLET | ITEM # | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | MUZ | 100 yd | 200 yd | 300 yd | 400 yd | 500 yd | |
| DG | 416 Rigby | 400 gr. DGX® | 82663 | 2415 | 2156 | 1915 | 1691 | — | — | 5180 | 4130 | 3256 | 2540 | — | -1.5 | 0 | -6.0 | -21.6 | — | — | |
| DG | 416 Rigby | 400 gr. DGS® | 82665 | 2415 | 2156 | 1915 | 1691 | — | — | 5180 | 4130 | 3256 | 2540 | — | -1.5 | 0 | -6.0 | -21.6 | — | — | |
| DG | 500-416 Nitro Express | 400 gr. DGX® | 82681 | 2300 | 2048 | 1815 | 1598 | — | — | 4698 | 3725 | 2927 | 2269 | — | -1.5 | 3.2 | 0 | -14.6 | — | — | |
| DG | 500-416 Nitro Express | 400 gr. DGS® | 82682 | 2300 | 2048 | 1815 | 1598 | — | — | 4698 | 3725 | 2927 | 2269 | — | -1.5 | 3.2 | 0 | -14.6 | — | — | |
| DG | 404 Jeffery | 400 gr. DGX® | 8238 | 2300 | 2053 | 1823 | 1611 | — | — | 4698 | 3743 | 2950 | 2306 | — | -1.5 | 0 | -6.8 | -24.1 | — | — | |
| DG | 404 Jeffery | 400 gr. DGS® | 8239 | 2300 | 2053 | 1823 | 1611 | — | — | 4698 | 3743 | 2950 | 2306 | — | -1.5 | 0 | -6.8 | -24.1 | — | — | |
| SF | 444 Marlin | 265 gr. InterLock® FP | 82453 | 2400 | 1974 | 1601 | 1295 | — | — | 3389 | 2294 | 1508 | 987 | — | -1.5 | 3.8 | 0 | -17.5 | — | — | |
| LEV | 444 Marlin | 265 gr. FTX® | 82744 | 2325 | 1971 | 1654 | 1381 | — | — | 3181 | 2286 | 1609 | 1123 | — | -1.5 | 3.8 | 0 | -16.6 | — | — | |
| C | 450 Bushmaster | 250 gr. FTX® (20" Bbl) | 82244 | 2200 | 1835 | 1515 | 1255 | — | — | 2687 | 1868 | 1274 | 874 | — | -2.4 | 4.1 | 0 | -19.3 | — | — | |
| LEV | 45-70 Govt | 250 gr. MonoFlex® | 82741 | 2025 | 1616 | 1285 | 1068 | — | — | 2276 | 1449 | 917 | 634 | — | -1.5 | 6.1 | 0 | -27.2 | — | — | |
| LEV | 45-70 Govt | 325 gr. FTX® | 82747 | 2000 | 1685 | 1413 | 1197 | — | — | 2886 | 2049 | 1441 | 1035 | — | -1.5 | 5.5 | 0 | -23.0 | — | — | |
| LEV | 450 Marlin | 325 gr. FTX® | 82750 | 2225 | 1887 | 1587 | 1332 | — | — | 3572 | 2570 | 1816 | 1280 | — | -1.5 | 4.2 | 0 | -18.1 | — | — | |
| DG | 450 Rigby | 480 gr. DGX® | 82664 | 2400 | 2112 | 1846 | 1603 | — | — | 6138 | 4755 | 3630 | 2739 | — | -1.5 | 3.2 | 0 | -13.4 | — | — | |
| DG | 450 Rigby | 480 gr. DGS® | 82662 | 2400 | 2112 | 1846 | 1603 | — | — | 6138 | 4755 | 3630 | 2739 | — | -1.5 | 3.2 | 0 | -13.4 | — | — | |
| DG | 450 Nitro Express 3¼" | 480 gr. DGX® | 8255 | 2150 | 1881 | 1635 | 1418 | — | — | 4927 | 3769 | 2850 | 2144 | — | -1.5 | 0 | -8.4 | -29.9 | — | — | |
| DG | 450 Nitro Express 3¼" | 480 gr. DGS® | 8256 | 2150 | 1881 | 1635 | 1418 | — | — | 4927 | 3769 | 2850 | 2144 | — | -1.5 | 0 | -8.4 | -29.9 | — | — | |
| DG | 458 Win Mag | 500 gr. DGX® SF | 85833 | 2140 | 1880 | 1643 | 1432 | — | — | 5084 | 3924 | 2996 | 2276 | — | -1.5 | 0 | -8.4 | -29.8 | — | — | |
| DG | 458 Win Mag | 500 gr. DGS® SF | 8585 | 2140 | 1880 | 1643 | 1432 | — | — | 5084 | 3924 | 2996 | 2276 | — | -1.5 | 0 | -8.4 | -29.8 | — | — | |
| DG | 458 Lott | 500 gr. DGX® | 82613 | 2300 | 2029 | 1778 | 1551 | — | — | 5873 | 4569 | 3509 | 2671 | — | -1.5 | 0 | -7.0 | -25.1 | — | — | |
| DG | 458 Lott | 500 gr. DGS® | 8262 | 2300 | 2029 | 1778 | 1551 | — | — | 5873 | 4569 | 3509 | 2671 | — | -1.5 | 0 | -7.0 | -25.1 | — | — | |
| DG | 470 Nitro Express | 500 gr. DGX® | 8263 | 2150 | 1885 | 1643 | 1429 | — | — | 5132 | 3945 | 2998 | 2267 | — | -0.9 | 0 | -8.9 | -30.8 | — | — | |
| DG | 470 Nitro Express | 500 gr. DGS® | 8264 | 2150 | 1885 | 1643 | 1429 | — | — | 5132 | 3945 | 2998 | 2267 | — | -0.9 | 0 | -8.9 | -30.8 | — | — | |
| DG | 500 Nitro Express 3" | 570 gr. DGX® | 8268 | 2150 | 1889 | 1651 | 1439 | — | — | 5850 | 4518 | 3450 | 2621 | — | -0.9 | 0 | -8.9 | -30.6 | — | — | |
| DG | 500 Nitro Express 3" | 570 gr. DGS® | 8269 | 2150 | 1889 | 1651 | 1439 | — | — | 5850 | 4518 | 3450 | 2621 | — | -0.9 | 0 | -8.9 | -30.6 | — | — | |
| M | 50 BMG | 750 gr. A-MAX® (36" Bbl) | 8270 | 2815 | 2727 | 2641 | 2557 | 2474 | 2393 | 13196 | 12386 | 11619 | 10889 | 10196 | 9538 | -1.8 | 1.4 | 0 | -6.4 | -18.2 | -35.6 |

All data from a 24" Bbl, unless otherwise noted.

Shotgun Slug Ballistics

| Shotgun Slug Description | | | Velocity (fps) | | | | | Energy (ft/lb) | | | | | Trajectory Tables (inches) | | | | |
|--|--------------------|--------|----------------|-------|--------|--------|--------|----------------|-------|--------|--------|--------|----------------------------|-------|--------|--------|--------|
| AMMO DESCRIPTION | BULLET | ITEM # | MUZ | 50 yd | 100 yd | 150 yd | 200 yd | MUZ | 50 yd | 100 yd | 150 yd | 200 yd | MUZ | 50 yd | 100 yd | 150 yd | 200 yd |
| 12 GA SST® Shotgun Slug 2¾" | 300 gr. SST® | 8623 | 2000 | 1814 | 1641 | 1483 | 1342 | 2664 | 2192 | 1795 | 1465 | 1199 | -1.5 | 1.9 | 2.6 | 0.0 | -6.5 |
| 12 GA Superformance® Shotgun Slug 2¾" | 300 gr. MonoFlex® | 86236 | 1950 | 1742 | 1552 | 1383 | 1239 | 2533 | 2022 | 1605 | 1274 | 1022 | -1.5 | 2.1 | 2.9 | 0.0 | -7.4 |
| 12 GA Custom Lite® Shotgun Slug 2¾" | 300 gr. FTX® | 86230 | 1575 | 1423 | 1289 | 1178 | 1091 | 1652 | 1348 | 1107 | 924 | 793 | -1.5 | 3.6 | 4.5 | 0.0 | -10.7 |
| 12 GA American Whitetail® Shotgun Slug 2¾" | 325 gr. InterLock® | 86271 | 1825 | 1651 | 1491 | 1349 | 1227 | 2403 | 1966 | 1605 | 1313 | 1086 | -1.5 | 0.9 | 0.0 | -4.8 | -14.3 |
| 12 GA American Whitetail® Rifled Slug 2¾" | 1 oz. Rifled Slug | 86234 | 1600 | 1210 | 997 | 882 | — | 2484 | 1420 | 965 | 754 | — | -0.5 | 2.8 | 0.0 | -11.4 | — |
| 20 GA SST® Shotgun Slug 2¾" | 250 gr. SST® | 86232 | 1800 | 1628 | 1471 | 1331 | 1212 | 1798 | 1471 | 1201 | 983 | 815 | -1.5 | 2.6 | 3.3 | 0.0 | -8.2 |
| 20 GA Superformance® Shotgun Slug 2¾" | 250 gr. MonoFlex® | 86237 | 1800 | 1628 | 1471 | 1331 | 1212 | 1798 | 1471 | 1201 | 983 | 815 | -1.5 | 2.6 | 3.3 | 0.0 | -8.2 |
| 20 GA Custom Lite® Shotgun Slug 2¾" | 250 gr. FTX® | 86233 | 1600 | 1452 | 1321 | 1208 | 1118 | 1421 | 1171 | 968 | 810 | 694 | -1.5 | 3.4 | 4.2 | 0.0 | -10.1 |

Shotgun Ballistics

| AMMO DESCRIPTION | SHOT SIZE | SHELL LENGTH | ITEM # | Velocity (fps) muzzle | AMMO DESCRIPTION | SHOT SIZE | SHELL LENGTH | ITEM # | Velocity (fps) muzzle |
|-------------------------------|---------------------|--------------|--------|-----------------------|---------------------------------------|---------------------------|--------------|--------|-----------------------|
| 12 GA Varmint Express® 2¾" | #4 Buck | 2¾" | 86243 | 1325 | 12 GA Heavy Magnum® Turkey 3" | #6 | 3" | 86244 | 1300 |
| 12 GA Critical Defense® 2¾" | 00 Buck (8 Pellets) | 2¾" | 86240 | 1600 | 12 GA Heavy Magnum® Coyote 3" | BB | 3" | 86222 | 1300 |
| 12 GA Superformance® 2¾" | 00 Buck (8 Pellets) | 2¾" | 86246 | 1600 | 12 GA Heavy Magnum® Coyote 3" | 00 Buck | 3" | 86224 | 1300 |
| 12 GA Heavy Magnum® Turkey 3" | #4 | 3" | 86242 | 1300 | 20 GA Heavy Magnum® Turkey 3" | #5 | 3" | 86248 | 1150 |
| 12 GA Heavy Magnum® Turkey 3" | #5 | 3" | 86241 | 1300 | 410 Critical Defense® Triple Defense™ | FTX® Slug & 2 round balls | 2½" | 86238 | 720 |

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®

T TAP® FPD™

Handgun Ballistics

| Ammo Description | | | | Velocity (fps) | | | Energy (ft/lb) | | | |
|------------------|------------------|----------------------|---------------|----------------|-------|--------|----------------|-------|--------|-----|
| CARTRIDGE | BULLET | ITEM # | BARREL LENGTH | MUZ | 50 yd | 100 yd | MUZ | 50 yd | 100 yd | |
| CD | 22 WMR | 45 gr. FTX® | 83200 | 1 7/8 V" | 1000 | 920 | 857 | 100 | 85 | 73 |
| C | 25 Auto | 35 gr. XTP® | 90012 | 2" | 900 | 813 | 742 | 63 | 51 | 43 |
| C | 32 Auto | 60 gr. XTP® | 90062 | 4" | 1000 | 905 | 833 | 133 | 109 | 92 |
| CD | 32 NAA | 80 gr. FTX® | 90070 | 4" | 1000 | 933 | 880 | 178 | 155 | 137 |
| CD | 32 H&R | 80gr. FTX® | 90060 | 4" | 1150 | 1039 | 963 | 235 | 192 | 165 |
| AG | 380 Auto | 90 gr. XTP® | 90104 | 4" | 1000 | 912 | 845 | 200 | 166 | 143 |
| C | 380 Auto | 90 gr. XTP® | 90102 | 4" | 1000 | 912 | 845 | 200 | 166 | 143 |
| CD | 380 Auto | 90 gr. FTX® | 90080 | 4" | 1000 | 912 | 845 | 200 | 166 | 143 |
| CDL | 9mm Luger | 100 gr. FTX® CD Lite | 90240 | 4" | 1125 | 1003 | 922 | 281 | 224 | 189 |
| AG | 9mm Luger | 115 gr. XTP® | 90244 | 4" | 1155 | 1038 | 958 | 341 | 275 | 234 |
| CD | 9mm Luger | 115 gr. FTX® | 90250 | 4" | 1135 | 1025 | 949 | 329 | 268 | 230 |
| AG | 9mm Luger +P | 124 gr. XTP® | 90224 | 4" | 1175 | 1074 | 1001 | 380 | 317 | 276 |
| C | 9mm Luger | 124 gr. XTP® | 90242 | 4" | 1110 | 1027 | 965 | 339 | 290 | 257 |
| DUTY | 9mm Luger | 135 gr. FlexLock® | 90236 | 4" | 1010 | 960 | 918 | 306 | 276 | 253 |
| DUTY | 9mm Luger +P | 135 gr. FlexLock® | 90226 | 4" | 1110 | 1038 | 983 | 369 | 323 | 289 |
| C | 9mm Luger | 147 gr. XTP® | 90282 | 4" | 975 | 934 | 899 | 310 | 285 | 264 |
| C | 357 Sig | 147 gr. XTP® | 9131 | 4" | 1225 | 1132 | 1060 | 490 | 418 | 367 |
| DUTY | 357 Sig | 135 gr. FlexLock® | 91296 | 4" | 1225 | 1112 | 1031 | 450 | 371 | 319 |
| CDL | 38 Special | 90 gr. FTX® CD Lite | 90300 | 4" | 1200 | 1037 | 938 | 288 | 215 | 176 |
| CD | 38 Special | 110 gr. FTX® | 90310 | 4" V | 1010 | 939 | 882 | 249 | 215 | 190 |
| CD | 38 Special+P | 110 gr. FTX® | 90311 | 4" V | 1090 | 996 | 928 | 290 | 242 | 210 |
| AG | 38 Special | 125 gr. XTP® | 90324 | 4" V | 900 | 856 | 817 | 225 | 203 | 185 |
| C | 38 Special | 158 gr. XTP® | 90362 | 4" V | 800 | 775 | 751 | 225 | 210 | 198 |
| CD | 357 Magnum | 125 gr. FTX® | 90500 | 8" V | 1500 | 1312 | 1163 | 624 | 478 | 376 |
| AG | 357 Magnum | 125 gr. XTP® | 90504 | 8" V | 1500 | 1313 | 1165 | 624 | 479 | 377 |
| DUTY | 357 Magnum | 135 gr. FlexLock® | 90511 | 8" V | 1275 | 1150 | 1058 | 487 | 396 | 336 |
| LEV | 357 Magnum | 140 gr. FTX® | 92755 | 8" V | 1440 | 1281 | 1154 | 645 | 510 | 414 |
| C | 357 Magnum | 158 gr. XTP® | 90562 | 8" V | 1250 | 1149 | 1072 | 548 | 463 | 403 |
| CD | 9 x 18mm Makarov | 95 gr. FTX® | 91000 | 4" | 1000 | 913 | 846 | 211 | 176 | 151 |
| C | 40 S&W | 155 gr. XTP® | 9132 | 4" | 1180 | 1060 | 978 | 479 | 387 | 329 |
| CD | 40 S&W | 165 gr. FTX® | 91340 | 3" | 1045 | 971 | 914 | 400 | 345 | 306 |

| Ammo Description | | | | Velocity (fps) | | | Energy (ft/lb) | | | |
|------------------|---------------|-------------------|---------------|----------------|-------|--------|----------------|-------|--------|------|
| CARTRIDGE | BULLET | ITEM # | BARREL LENGTH | MUZ | 50 yd | 100 yd | MUZ | 50 yd | 100 yd | |
| DUTY | 40 S&W | 175 gr. FlexLock® | 91376 | 4" | 1010 | 948 | 899 | 396 | 350 | 314 |
| AG | 40 S&W | 180 gr. XTP® | 91364 | 4" | 950 | 903 | 862 | 361 | 326 | 297 |
| C | 40 S&W | 180 gr. XTP® | 9136 | 4" | 950 | 903 | 862 | 361 | 326 | 297 |
| C | 10mm Auto | 155 gr. XTP® | 9122 | 5" | 1265 | 1118 | 1018 | 551 | 430 | 357 |
| DUTY | 10mm Auto | 175 gr. FlexLock® | 91256 | 5" | 1160 | 1061 | 990 | 523 | 437 | 381 |
| C | 10mm Auto | 180 gr. XTP® | 9126 | 5" | 1180 | 1077 | 1002 | 556 | 463 | 402 |
| C | 44-40 Cowboy | 205 gr. Cowboy™ | 9075 | 7½" V | 725 | 689 | 655 | 239 | 216 | 195 |
| CD | 44 Special | 165 gr. FTX® | 90700 | 2½" V | 900 | 847 | 802 | 297 | 263 | 235 |
| C | 44 Special | 180 gr. XTP® | 9070 | 7½" V | 1000 | 934 | 881 | 400 | 349 | 310 |
| C | 44 Rem Mag | 200 gr. XTP® | 9080 | 7½" V | 1500 | 1332 | 1194 | 999 | 788 | 633 |
| LEV | 44 Rem Mag | 225 gr. FTX® | 92782 | 7½" V | 1410 | 1233 | 1102 | 993 | 760 | 607 |
| C | 44 Rem Mag | 240 gr. XTP® | 9085 | 7½" V | 1350 | 1230 | 1133 | 971 | 806 | 684 |
| C | 44 Rem Mag | 300 gr. XTP® | 9088 | 7½" V | 1150 | 1083 | 1030 | 881 | 781 | 706 |
| AG | 45 Auto | 185 gr. XTP® | 90904 | 5" | 970 | 911 | 862 | 386 | 341 | 305 |
| CD | 45 Auto | 185 gr. FTX® | 90900 | 3" | 900 | 853 | 811 | 333 | 299 | 270 |
| C | 45 Auto | 200 gr. XTP® | 9112 | 5" | 900 | 856 | 817 | 360 | 325 | 296 |
| DUTY | 45 Auto +P | 220 gr. FlexLock® | 90926 | 5" | 975 | 927 | 887 | 464 | 420 | 384 |
| C | 45 Auto +P | 200 gr. XTP® | 9113 | 5" | 1055 | 981 | 924 | 494 | 427 | 379 |
| C | 45 Auto +P | 230 gr. XTP® | 9096 | 5" | 950 | 908 | 871 | 461 | 421 | 388 |
| C | 45 Auto | 230 gr. FMJ-RN | 9097 | 5" | 850 | 819 | 790 | 369 | 342 | 319 |
| CD | 45 Colt | 185 gr. FTX® | 92790 | 3" V | 920 | 870 | 826 | 348 | 311 | 280 |
| C | 45 Colt | 255 gr. Cowboy™ | 9115 | 4¾" V | 725 | 687 | 651 | 298 | 267 | 240 |
| LEV | 45 Colt | 225 gr. FTX® | 92792 | 4¾" V | 960 | 903 | 855 | 460 | 407 | 366 |
| C | 454 Casull | 240 gr. XTP® Mag | 9148 | 7½" V | 1900 | 1678 | 1478 | 1924 | 1500 | 1164 |
| C | 454 Casull | 300 gr. XTP® Mag | 9150 | 7½" V | 1650 | 1474 | 1319 | 1813 | 1447 | 1158 |
| C | 460 S&W Mag | 200 gr. FTX® | 9152 | 8 3/8" | 2200 | 1941 | 1703 | 2149 | 1673 | 1288 |
| C | 475 Linebaugh | 400 gr. XTP® Mag | 9140 | 7½" | 1300 | 1176 | 1083 | 1501 | 1229 | 1041 |
| C | 480 Ruger | 325 gr. XTP® Mag | 9138 | 7½" | 1350 | 1191 | 1077 | 1315 | 1024 | 837 |
| C | 50 AE | 300 gr. XTP® | 9245 | 6" | 1475 | 1251 | 1092 | 1449 | 1043 | 795 |
| C | 500 S&W Mag | 300 gr. FTX® | 9249 | 8½" | 1950 | 1653 | 1396 | 2533 | 1819 | 1298 |
| C | 500 S&W Mag | 500 gr. FP-XTP® | 9252 | 8½" | 1300 | 1178 | 1085 | 1876 | 1541 | 1308 |

Muzzleloader Projectile Ballistics

| Muzzleloader Ammo Description | | | | Velocity (fps) | | | | | Energy (ft/lb) | | | | | Trajectory Tables (inches) | | | | | | |
|---|------------|--------|------|----------------|--------|--------|--------|--------|----------------|-------|--------|--------|--------|----------------------------|------|-------|--------|--------|--------|--------|
| DESCRIPTION | BULLET WT. | ITEM # | MUZ | 50 yd | 100 yd | 150 yd | 200 yd | 250 yd | MUZ | 50 yd | 100 yd | 150 yd | 200 yd | 250 yd | MUZ | 50 yd | 100 yd | 150 yd | 200 yd | 250 yd |
| 45 Cal. SST®-ML™ Low Drag Sabot | 200 gr. | 67132 | 2325 | 2171 | 2022 | 1880 | 1744 | 1616 | 2400 | 2092 | 1815 | 1569 | 1351 | 1160 | -1.5 | 2.0 | 3.0 | 2.0 | -1.0 | -7.1 |
| 50 Cal. SST®-ML™ Lock-N-Load® Speed Sabot® | 250 gr. | 67270 | 2250 | 2031 | 1852 | 1684 | 1529 | 1389 | 2735 | 2290 | 1904 | 1574 | 1297 | 1070 | -1.5 | 1.8 | 3.0 | 1.7 | -2.7 | -11.0 |
| 50 Cal. SST®-ML™ Low Drag Sabot | 250 gr. | 67273 | 2250 | 2031 | 1852 | 1684 | 1529 | 1389 | 2735 | 2290 | 1904 | 1574 | 1297 | 1070 | -1.5 | 1.8 | 3.0 | 1.7 | -2.7 | -11.0 |
| 50 Cal. MonoFlex® Lock-N-Load® Speed Sabot® | 250 gr. | 67269 | 2250 | 2031 | 1852 | 1684 | 1529 | 1389 | 2735 | 2290 | 1904 | 1574 | 1297 | 1070 | -1.5 | 1.8 | 3.0 | 1.7 | -2.7 | -11.0 |
| 50 Cal. MonoFlex® High Speed Low Drag Sabot | 250 gr. | 67274 | 2250 | 2031 | 1852 | 1684 | 1529 | 1389 | 2735 | 2290 | 1904 | 1574 | 1297 | 1070 | -1.5 | 1.8 | 3.0 | 1.7 | -2.7 | -11.0 |
| 50 Cal. SST®-ML™ Lock-N-Load® Speed Sabot® | 300 gr. | 67271 | 2130 | 1974 | 1826 | 1686 | 1554 | 1433 | 3022 | 2597 | 2221 | 1893 | 1609 | 1368 | -1.5 | 1.9 | 3.0 | 1.6 | -2.9 | -11.1 |
| 50 Cal. SST®-ML™ Low Drag Sabot | 300 gr. | 67263 | 2130 | 1974 | 1826 | 1686 | 1554 | 1433 | 3022 | 2597 | 2221 | 1893 | 1609 | 1368 | -1.5 | 1.9 | 3.0 | 1.6 | -2.9 | -11.1 |
| 50 Cal. FPB® (150 gr. charge) | 300 gr. | 6605 | 2100 | 1942 | 1792 | 1650 | 1518 | 1397 | 2937 | 2512 | 2139 | 1814 | 1535 | 1301 | -0.9 | 2.2 | 3.0 | 1.1 | -8.1 | -12.9 |
| 50 Cal. FPB® (100 gr. charge) | 300 gr. | 6605 | 1800 | 1658 | 1525 | 1404 | 1295 | 1202 | 2158 | 1830 | 1549 | 1313 | 1117 | 962 | -0.9 | 2.7 | 3.0 | -0.3 | -8.1 | -21.1 |
| 50 Cal. FPB® (150 gr. charge) | 350 gr. | 6600 | 1950 | 1821 | 1697 | 1581 | 1473 | 1372 | 2955 | 2577 | 2238 | 1942 | 1685 | 1463 | -1.5 | 2.0 | 3.0 | 0.9 | -4.7 | -14.2 |
| 50 Cal. FPB® (100 gr. charge) | 350 gr. | 6600 | 1620 | 1509 | 1406 | 1312 | 1230 | 1159 | 2039 | 1769 | 1536 | 1338 | 1176 | 1043 | -1.5 | 2.7 | 3.0 | -1.1 | -10.2 | -25.0 |

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.