

Handgun Ballistics

Hornady® Product Lines:

C Custom™
 LE LEVERevolution®
 T TAP® FPD™
 S Steel Match®
 CD Critical Defense®
 DUTY Critical DUTY®

| Ammo Description | | | | | Velocity (fps) | | | Energy (ft/lb) | | |
|------------------|------------------|-------------------|---------------|----------|----------------|--------|---------|----------------|--------|---------|
| CARTRIDGE | BULLET | ITEM # | BARREL LENGTH | | MUZZLE | 50 yds | 100 yds | MUZZLE | 50 yds | 100 yds |
| 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 |
| 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 |
| C | 9MM Luger | 115 gr. XTP | 90252 | 4" | 1155 | 1038 | 958 | 341 | 275 | 234 |
| S | 9MM Luger | 115 gr. HAP | 90271 | 4" | 1155 | 1038 | 958 | 341 | 275 | 234 |
| CD | 9MM Luger | 115 gr. FTX | 90250 | 4" | 1135 | 1025 | 949 | 329 | 268 | 230 |
| C | 9MM Luger | 124 gr. XTP | 90242 | 4" | 1110 | 1027 | 965 | 339 | 290 | 257 |
| T | 9MM Luger | 124 gr. TAP-FPD | 90248 | 4" | 1110 | 1027 | 965 | 339 | 290 | 257 |
| S | 9MM Luger | 125 gr. HAP | 90275 | 4" | 1110 | 1024 | 960 | 342 | 291 | 256 |
| 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 | 9 x 18MM Makarov | 95 gr. XTP | 91002 | 4" | 1000 | 929 | 873 | 211 | 182 | 161 |
| CD | 9 x 18MM Makarov | 95 gr. FTX | 91000 | 4" | 1000 | 913 | 846 | 211 | 176 | 151 |
| CD | 38 Special Lite | 90 gr. FTX | 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 |
| C | 38 Special | 125 gr. XTP | 90322 | 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 |
| C | 357 Magnum | 125 gr. XTP | 90502 | 8" V | 1500 | 1313 | 1165 | 624 | 479 | 377 |
| C | 357 Magnum | 140 gr. XTP | 90552 | 8" V | 1350 | 1207 | 1099 | 567 | 453 | 375 |
| LE | 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 |
| C | 357 SIG | 124 gr. XTP | 9130 | 4" | 1350 | 1204 | 1095 | 502 | 399 | 330 |
| C | 357 SIG | 147 gr. XTP | 9131 | 4" | 1225 | 1132 | 1060 | 490 | 418 | 367 |
| C | 40 S&W | 155 gr. XTP | 9132 | 4" | 1180 | 1060 | 978 | 479 | 387 | 329 |
| T | 40 S&W | 155 gr. TAP-FPD | 91328 | 4" | 1180 | 1060 | 978 | 479 | 387 | 329 |
| CD | 40 S&W | 165 gr. FTX | 91340 | 3" | 1045 | 971 | 914 | 400 | 345 | 306 |
| DUTY | 40 S&W | 175 gr. FlexLock | 91376 | 4" | 1010 | 948 | 899 | 396 | 350 | 314 |
| S | 40 S&W | 180 gr. HAP | 91362 | 4" | 950 | 902 | 861 | 361 | 325 | 297 |
| C | 40 S&W | 180 gr. XTP | 9136 | 4" | 950 | 902 | 861 | 361 | 325 | 297 |
| C | 10MM Auto | 155 gr. HP/XTP | 9122 | 5" | 1265 | 1118 | 1018 | 551 | 430 | 357 |
| C | 10MM Auto | 180 gr. XTP | 9126 | 5" | 1180 | 1077 | 1002 | 556 | 463 | 402 |
| C | 10MM Auto | 200 gr. XTP | 9129 | 5" | 1050 | 993 | 947 | 490 | 438 | 398 |
| C | 44-40 Cowboy | 205 gr. Cowboy | 9075 | 7 1/2" V | 725 | 689 | 655 | 239 | 216 | 195 |
| CD | 44 Special | 165 gr. FTX | 90700 | 2.5" V | 900 | 847 | 802 | 297 | 263 | 235 |
| C | 44 Special | 180 gr. XTP | 9070 | 7 1/2" V | 1000 | 934 | 881 | 400 | 349 | 310 |
| C | 44 Rem Mag | 180 gr. XTP | 9081 | 7 1/2" V | 1550 | 1339 | 1172 | 960 | 716 | 549 |
| C | 44 Rem Mag | 200 gr. XTP | 9080 | 7 1/2" V | 1500 | 1332 | 1194 | 999 | 788 | 633 |
| LE | 44 Rem Mag | 225 gr. FTX | 92782 | 7 1/2" V | 1410 | 1233 | 1102 | 993 | 760 | 607 |
| C | 44 Rem Mag | 240 gr. XTP | 9085 | 7 1/2" V | 1350 | 1230 | 1133 | 971 | 806 | 684 |
| C | 44 Rem Mag | 300 gr. XTP | 9088 | 7 1/2" V | 1150 | 1083 | 1030 | 881 | 781 | 706 |
| C | 45 Auto | 185 gr. XTP | 9090 | 5" | 970 | 911 | 862 | 386 | 341 | 305 |
| CD | 45 Auto | 185 gr. FTX | 90900 | 3" | 900 | 853 | 811 | 333 | 299 | 270 |
| S | 45 Auto | 185 gr. HAP | 90982 | 3" | 900 | 853 | 811 | 333 | 299 | 270 |
| C | 45 Auto | 200 gr. XTP | 9112 | 5" | 900 | 856 | 817 | 360 | 325 | 296 |
| T | 45 Auto +P | 200 gr. TAP-FPD | 91128 | 5" | 1055 | 981 | 924 | 494 | 427 | 379 |
| 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. FMJRN ENC | 9097 | 5" | 850 | 819 | 790 | 369 | 342 | 319 |
| T | 45 Auto +P | 230 gr. TAP-FPD | 90958 | 5" | 950 | 908 | 871 | 461 | 421 | 388 |
| S | 45 ACP | 230 gr. HAP | 90985 | 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 | 4 3/4" V | 725 | 687 | 651 | 298 | 267 | 240 |
| LE | 45 Colt | 225 gr. FTX | 92792 | 4 3/4" V | 960 | 903 | 855 | 460 | 407 | 366 |
| C | 454 Casull | 240 gr. XTP MAG | 9148 | 7 1/2" V | 1900 | 1678 | 1478 | 1924 | 1500 | 1164 |
| C | 454 Casull | 300 gr. XTP MAG | 9150 | 7 1/2" V | 1650 | 1474 | 1319 | 1813 | 1447 | 1158 |
| LE | 460 S&W | 200 gr. FTX | 9152 | 8 3/8" | 2200 | 1941 | 1703 | 2149 | 1673 | 1288 |
| C | 475 Linebaugh | 400 gr. XTP MAG | 9140 | 7 1/2" | 1300 | 1176 | 1083 | 1501 | 1229 | 1041 |
| C | 480 Ruger | 325 gr. XTP MAG | 9138 | 7 1/2" | 1350 | 1191 | 1077 | 1315 | 1024 | 837 |
| C | 480 Ruger | 400 gr. XTP MAG | 9144 | 7 1/2" | 1100 | 1026 | 970 | 1075 | 935 | 835 |
| C | 50 AE | 300 gr. XTP/HP | 9245 | 6" | 1475 | 1251 | 1092 | 1449 | 1043 | 795 |
| LE | 500 S&W | 300 gr. FTX | 9249 | 8 1/2" | 1950 | 1653 | 1396 | 2533 | 1819 | 1298 |
| C | 500 S&W | 350 gr. XTP MAG | 9250 | 8 1/2" | 1700 | 1478 | 1289 | 2246 | 1697 | 1290 |
| C | 500 S&W | 500 gr. FP-XTP | 9252 | 8 1/2" | 1300 | 1178 | 1085 | 1876 | 1541 | 1308 |

Shotgun/Muzzleloader Ballistics

Shotgun Ammunition

| Ammo Description | | | Velocity (fps) | | | | | Energy (ft/lb) | | | | | Trajectory Tables (inches) | | | | |
|-----------------------------------|---------|--------|----------------|-------|--------|--------|--------|----------------|-------|--------|--------|--------|----------------------------|-------|--------|--------|--------|
| AMMO DESCRIPTION | WEIGHT | 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 |
| 20 ga. SST Shotgun Slug | 250 gr. | 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 | 250 gr. | 86237 | 1800 | 1628 | 1471 | 1331 | 1212 | 1798 | 1471 | 1201 | 983 | 815 | -1.5 | 2.6 | 3.3 | 0.0 | -8.2 |
| 12 ga. SST Shotgun Slug | 300 gr. | 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 | 300 gr. | 86236 | 1950 | 1742 | 1552 | 1383 | 1239 | 2533 | 2022 | 1605 | 1274 | 1022 | -1.5 | 2.1 | 2.9 | 0.0 | -7.4 |
| 12 ga. SST Lite Shotgun Slug | 300 gr. | 86230 | 1575 | 1423 | 1289 | 1178 | 1091 | 1652 | 1348 | 1107 | 924 | 793 | -1.5 | 3.6 | 4.5 | 0.0 | -10.7 |

| AMMO DESCRIPTION | SHELL LENGTH | ITEM # | 10 yds |
|---|--------------|--------|--------|
| 12 Gauge #4 Buck | 2 3/4" | 86243 | 1299 |
| 12 Gauge Critical Defense 00 Buck (8 Pellets) | 2 3/4" | 86240 | 1510 |
| 12 Gauge Superformance 00 Buck (8 Pellets) | 2 3/4" | 86246 | 1510 |
| 12 Gauge TAP-FPD 00 Buck (8 Pellets) | 2 3/4" | 86276 | 1510 |

| AMMO DESCRIPTION | SHELL LENGTH | ITEM # | 10 yds |
|------------------------------|--------------|--------|--------|
| 12 Gauge Heavy Mag #4 Turkey | 3" | 86242 | 1300 |
| 12 Gauge Heavy Mag #5 Turkey | 3" | 86241 | 1300 |
| 12 Gauge Heavy Mag #6 Turkey | 3" | 86244 | 1300 |

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.

Muzzleloader Projectiles

| Description | | | Velocity (fps) | | | | | | | Energy (ft/lb) | | | | | Trajectory Tables (inches) | | | | | |
|--|---------|--------|----------------|-------|--------|--------|--------|--------|------|----------------|--------|--------|--------|--------|----------------------------|-------|--------|--------|--------|--------|
| DESCRIPTION | WEIGHT | 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.

LEGEND

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

Lock-N-Load® Case Feeder Plates

These case feeder plates are used with the Lock-N-Load® Case Feeder featured on page 62. Refer to the chart to choose the proper size for your application.



Small Pistol Plate
No. 095310 \$37.44



Large Pistol Plate
No. 095312 \$37.44



Small Rifle Plate
No. 095314 \$37.44



Large Rifle Plate
No. 095316 \$37.44

| Small Pistol Plate | Large Pistol Plate | Small Rifle Plate | Large Rifle Plate | | | |
|--------------------|--------------------|------------------------|-------------------------|--------------------|---------------------|----------------------|
| 9MM | 10MM Auto | 17 Hornet | 6MM Rem. | .284 Win. | .356 Win. | .300 RCM |
| 9 x 21 | .357 Mag. | 7.62 x 39 | 6.5MM Rem. Mag. | .30 Rem. | .358 Win. | .300 Rem. Saum |
| .38 Super | .357 Rem. Max. | .17 Rem. | 6.5 x 55 Swedish Mauser | .30-06 Springfield | .375 H&H Mag. | .300 WSM |
| 9 x 18 Makarov | .38 Long Colt | .218 Bee | 7MM Mauser (7 x 57) | .30-30 Win. | .375 Win. | .300 Dakota |
| 9MM Win Mag. | .38 Short Colt | 204 Ruger | 7MM Rem. Mag. | .30-40 Krag | .38-55 Win. | 30 T/C |
| .30 Luger | .38 S&W | .22 Hornet | 7MM WBY Mag. | .300 H&H Mag. | .416 Rem. Mag. | .300 Rem. Ultra Mag. |
| 32 ACP | .38 Spl. | .222 Rem./Rem. Mag. | 7MM-08 Rem. | .300 Savage | .416 Rigby | .338 RCM |
| .32 H&R Mag | .41 Rem. Mag. | .223 Rem. (5.56MM) | 7-30 Waters | .300 WBY Mag. | .444 Marlin | .338 Win. Mag. |
| .32 Long Colt | .44 Spl/Mag. | 6.5 Grendel | 8MM Mauser (8 x 57) | .300 Win. Mag. | 45-70 Govt. | .338 Rem. Ultra Mag. |
| .32 Short Colt | .45 ACP | .30 Carbine | 8MM Rem. Mag. | .303 British | .458 Win. Mag. | .340 WBY Mag. |
| .32 S&W | .45 Auto Rim. | 300 Whisper | .22-250 | .303 Savage | .458 Lott | .375 Ruger |
| .32 S&W Long | .45 Colt | .32-20 Win | .220 Swift | .307 Win. | .450 Marlin | .378 WBY Mag. |
| .380 Auto | .45 Win. Mag. | .351 Win. Self Loading | .225 Win. | .308 Win. | .376 Steyr | .404 Jeffery |
| .40 S&W | .454 Casull | .25-20 Win. | .243 Win. | .32 Rem. | .405 Win. | .460 S&W |
| | 9 x 25 | | .25-06 | .32 Win. Spl. | .240 WBY Mag. | .460 WBY Mag. |
| | .22 Rem. Jet | | .25-35 Win. | .32-40 Win. | .257 WBY Mag. | 50 AE |
| | .256 Win. Mag. | | .250 Savage | .338 Win. Mag. | .270 WBY Mag. | 500 S&W |
| | .475 Linebaugh | | .257 Roberts | .348 Win. | .270 WSM | |
| | .480 Ruger | | .264 Win. Mag. | .35 Rem. | 7MM Rem. Saum | |
| | .38-40 Win. | | .270 Win. | .35 Whelen | 7MM STW | |
| | .44-40 Win. | | .280 Rem. | .350 Rem. | 7MM Rem. Ultra Mag. | |