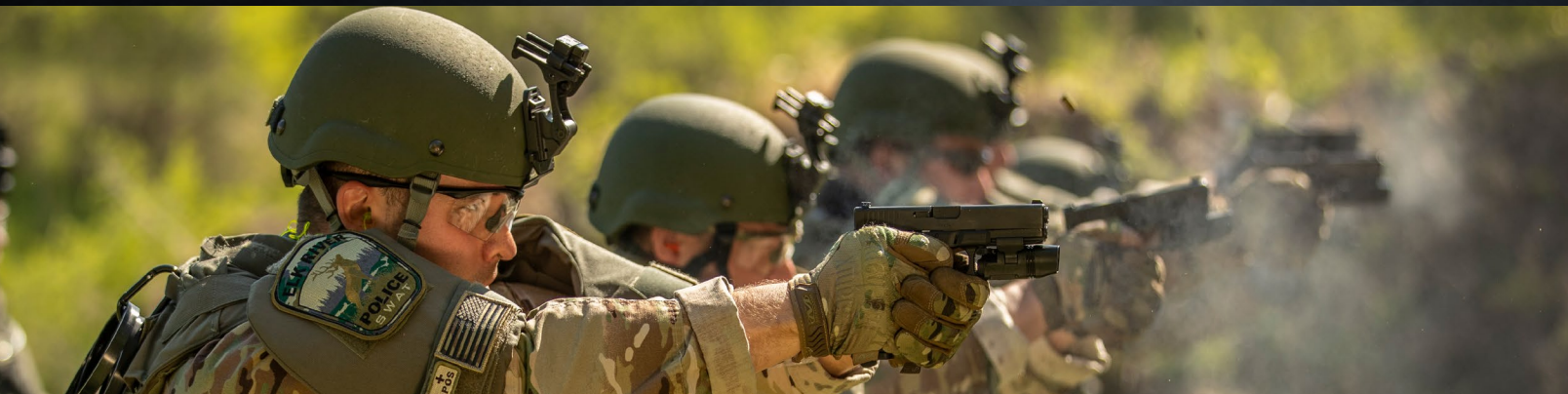


LAW ENFORCEMENT AMMUNITION 2020



FEDERAL PREMIUM®

LAW ENFORCEMENT



SPEER[®] LE



FORCE  FORCE™



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FEDERAL PREMIUM® LAW ENFORCEMENT

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SPEER® LAW ENFORCEMENT

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BLAZER®

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FORCE ON FORCE™

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TACTICAL® HST®

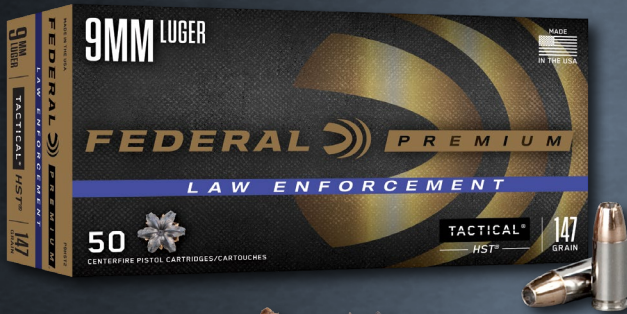
- Specially designed hollow point expands reliably through a variety of barriers
- Expanded diameter and weight retention achieve the desired penetration without over-penetrating
- Hollow-point design expands to twice the original diameter
- Bullet nose profile, nickel-plated case and Federal® primer provide the ultimate in function and reliability in semi-automatic handguns

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|--------------|-------|-------------|----------|
| P380HST1 | 380 Auto | 99 | HST | 1030 |
| P9HST1 | 9mm Luger | 124 | HST | 1150 |
| P9HST2 | 9mm Luger | 147 | HST | 1000 |
| P9HST3 | 9mm Luger +P | 124 | HST | 1200 |
| P357SHST1 | 357 Sig | 125 | HST | 1360 |
| P40HST3 | 40 S&W | 165 | HST | 1130 |
| P40HST1 | 40 S&W | 180 | HST | 1010 |
| P45HST2 | 45 Auto | 230 | HST | 890 |
| P45HST1 | 45 Auto +P | 230 | HST | 950 |

TACTICAL® HYDRA-SHOK®

- Accurate with superb overall ballistic performance
- Hydra-Shok bullet's notched copper jacket initiates and controls expansion
- Center-post hollow-point design provides reliable expansion

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|----------------------------------|----------|
| P380HS1G | 380 Auto | 90 | Hydra-Shok Jacketed Hollow Point | 1000 |
| P9HS1G1 | 9mm Luger | 124 | Hydra-Shok Jacketed Hollow Point | 1120 |
| P9HS2G1 | 9mm Luger | 147 | Hydra-Shok Jacketed Hollow Point | 1000 |
| P38HS1G | 38 Special +P | 129 | Hydra-Shok Jacketed Hollow Point | 950 |
| P40HS3G | 40 S&W | 165 | Hydra-Shok Jacketed Hollow Point | 980 |
| P40HS1G | 40 S&W | 180 | Hydra-Shok Jacketed Hollow Point | 1000 |
| P10HS1 | 10mm Auto | 180 | Hydra-Shok Jacketed Hollow Point | 1030 |
| P45HS1G | 45 Auto | 230 | Hydra-Shok Jacketed Hollow Point | 900 |



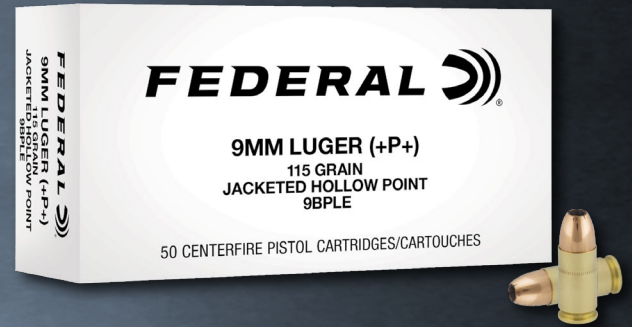
DUTY HANDGUN

FEDERAL® CLASSIC

- Jacketed hollow-point bullet expands reliably for effective energy transfer
- Consistent, proven performance
- Reasonable price

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|-----------------------|----------|
| 9BP | 9mm Luger | 115 | Jacketed Hollow Point | 1180 |
| 9MS | 9mm Luger | 147 | Jacketed Hollow Point | 1000 |
| 9BPLE | 9mm Luger +P+ | 115 | Jacketed Hollow Point | 1300 |
| 38G | 38 Special +P | 158 | Jacketed Hollow Point | 900 |
| 40SWB | 40 S&W | 155 | Jacketed Hollow Point | 1150 |
| 40SWA | 40 S&W | 180 | Jacketed Hollow Point | 1000 |
| 45C | 45 Auto | 185 | Jacketed Hollow Point | 950 |
| 45D | 45 Auto | 230 | Jacketed Hollow Point | 850 |

FEDERAL PREMIUM® LE



FEDERAL PREMIUM® DUTY HANDGUN

| CALIBER | WEIGHT GRAINS | WEIGHT GRAMS | BULLET STYLE | LOAD NO. | PRIMER NO. | VELOCITY IN FPS | | | | | ENERGY IN FT LBS | | | | | TRAJECTORY | | | | TEST BARREL |
|------------------------------|---------------|--------------|-------------------|-----------|------------|-----------------|------|------|------|------|------------------|-----|-----|-----|-----|------------|------|------|-------|-------------|
| | | | | | | 0 | 25 | 50 | 75 | 100 | 0 | 25 | 50 | 75 | 100 | 25 | 50 | 75 | 100 | |
| TACTICAL® HST® | | | | | | | | | | | | | | | | | | | | |
| 380 Auto | 99 | 6.42 | HST | P380HST1 | 500 | 1030 | 986 | 948 | 915 | 885 | 233 | 213 | 197 | 184 | 172 | ⊕ | -1.3 | -5.1 | -11.4 | 3.75 |
| 9mm Luger | 124 | 8.04 | HST | P9HST1 | 200 | 1150 | 1095 | 1049 | 1010 | 977 | 364 | 330 | 303 | 281 | 263 | ⊕ | -0.9 | -3.8 | -8.8 | 4 |
| 9mm Luger | 147 | 9.53 | HST | P9HST2 | 200 | 1000 | 976 | 953 | 933 | 914 | 326 | 311 | 297 | 284 | 273 | ⊕ | -1.4 | -5.2 | -11.5 | 4 |
| 9mm Luger +P | 124 | 8.04 | HST | P9HST3 | 200 | 1200 | 1136 | 1083 | 1039 | 1002 | 396 | 355 | 323 | 297 | 277 | ⊕ | -0.8 | -3.4 | -8 | 4 |
| 357 Sig | 125 | 8.1 | HST | P357SHST1 | 200 | 1360 | 1275 | 1200 | 1136 | 1083 | 513 | 451 | 400 | 358 | 326 | ⊕ | -0.4 | -2.4 | -6 | 4 |
| 40 S&W | 165 | 10.69 | HST | P40HST3 | 200 | 1130 | 1078 | 1035 | 999 | 967 | 468 | 426 | 392 | 365 | 342 | ⊕ | -1 | -4 | -9.1 | 4 |
| 40 S&W | 180 | 11.66 | HST | P40HST1 | 200 | 1010 | 980 | 954 | 930 | 908 | 408 | 384 | 364 | 346 | 329 | ⊕ | -1.4 | -5.1 | -11.4 | 4 |
| 45 Auto | 230 | 14.9 | HST | P45HST2 | 150 | 890 | 872 | 856 | 840 | 824 | 404 | 389 | 374 | 360 | 347 | ⊕ | -2 | -6.9 | -15 | 5 |
| 45 Auto +P | 230 | 14.9 | HST | P45HST1 | 150 | 950 | 929 | 909 | 890 | 873 | 461 | 440 | 422 | 405 | 389 | ⊕ | -1.6 | -5.9 | -12.8 | 5 |
| TACTICAL® HYDRA-SHOK® | | | | | | | | | | | | | | | | | | | | |
| 380 Auto | 90 | 5.83 | Hydra-Shok JHP | P380HS1G | 100 | 1000 | 953 | 914 | 879 | 847 | 200 | 182 | 167 | 154 | 143 | ⊕ | -1.5 | -5.6 | -12.5 | 3.75 |
| 9mm Luger | 124 | 8.04 | Hydra-Shok JHP | P9HS1G1 | 200 | 1120 | 1070 | 1028 | 993 | 961 | 345 | 315 | 291 | 271 | 255 | ⊕ | -1 | -4 | -9.3 | 4 |
| 9mm Luger | 147 | 9.53 | Hydra-Shok JHP | P9HS2G1 | 200 | 1000 | 976 | 953 | 933 | 914 | 326 | 311 | 297 | 284 | 273 | ⊕ | -1.4 | -5.2 | -11.5 | 4 |
| 38 Special +P | 129 | 8.36 | Hydra-Shok JHP | P38HS1G | 100 | 950 | 926 | 904 | 884 | 865 | 258 | 246 | 234 | 224 | 214 | ⊕ | -1.6 | -5.9 | -13 | 4-V |
| 40 S&W | 165 | 10.69 | Hydra-Shok JHP | P40HS3G | 100 | 980 | 950 | 924 | 899 | 876 | 352 | 331 | 312 | 296 | 281 | ⊕ | -1.5 | -5.6 | -12.3 | 4 |
| 40 S&W | 180 | 11.66 | Hydra-Shok JHP | P40HS1G | 100 | 1000 | 972 | 946 | 923 | 901 | 400 | 377 | 358 | 340 | 324 | ⊕ | -1.4 | -5.3 | -11.6 | 4 |
| 10mm Auto | 180 | 11.66 | Hydra-Shok JHP | P10HS1 | 150 | 1030 | 998 | 970 | 945 | 921 | 424 | 398 | 376 | 357 | 339 | ⊕ | -1.3 | -4.9 | -10.9 | 5 |
| 45 Auto | 230 | 14.90 | Hydra-Shok JHP | P45HS1G | 200 | 900 | 882 | 865 | 848 | 832 | 414 | 397 | 382 | 367 | 354 | ⊕ | -1.9 | -6.7 | -14.6 | 5 |
| FEDERAL® | | | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 115 | 7.45 | JHP | 9BP | 200 | 1180 | 1106 | 1048 | 1001 | 961 | 356 | 312 | 280 | 256 | 236 | ⊕ | -0.9 | -3.7 | -8.7 | 4 |
| 9mm Luger | 147 | 9.53 | JHP | 9MS | 200 | 1000 | 976 | 953 | 933 | 914 | 326 | 311 | 297 | 284 | 273 | ⊕ | -1.4 | -5.2 | -11.5 | 4 |
| 9mm Luger +P+ | 115 | 7.45 | JHP | 9BPLE | 200 | 1300 | 1204 | 1125 | 1063 | 1013 | 432 | 370 | 323 | 288 | 262 | ⊕ | -0.6 | -2.9 | -7.1 | 4 |
| 38 Special +P | 158 | 10.24 | Semi-Wadcutter HP | 38G | 100 | 900 | 883 | 866 | 851 | 836 | 284 | 273 | 263 | 254 | 245 | ⊕ | -1.9 | -6.7 | -14.5 | 4-V |
| 40 S&W | 155 | 10.04 | JHP | 40SWB | 100 | 1150 | 1087 | 1036 | 994 | 959 | 455 | 407 | 370 | 340 | 316 | ⊕ | -0.9 | -3.9 | -9 | 4 |
| 40 S&W | 180 | 11.66 | JHP | 40SWA | 100 | 1000 | 972 | 946 | 923 | 901 | 400 | 377 | 358 | 340 | 324 | ⊕ | -1.4 | -5.3 | -11.6 | 4 |
| 45 Auto | 185 | 11.99 | JHP | 45C | 150 | 950 | 923 | 899 | 876 | 855 | 371 | 350 | 332 | 315 | 300 | ⊕ | -1.7 | -6 | -13.1 | 5 |
| 45 Auto | 230 | 14.9 | JHP | 45D | 150 | 850 | 834 | 819 | 804 | 790 | 369 | 355 | 343 | 330 | 319 | ⊕ | -2.2 | -7.7 | -16.4 | 5 |

FMJ - Full Metal Jacket HP - Hollow Point TMJ - Total Metal Jacket FP - Flat Point JSZ - Jacketed Stranded Zinc SW - Semi-Wadcutter JSP - Jacketed Soft Point JHP - Jacketed Hollow Point LRN - Lead Round Nose VB - Vented Test Barrel (simulating revolver performance) LP - Limited Penetration

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the normal behavior of each load at standard conditions 59°F temperature, barometric pressure of 29.53 inches; altitude at sea level. Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights, and ammunition. Midrange Trajectory is the maximum bullet rise between muzzle bore and given range when zeroed at given range. Height of bullet trajectory above or below line of sight if zeroed at 100 yards. Sights 1.5 inches above bore line.

*Bullet path in inches relative to line of sight when sighted for 25 yards (sight height 0.9 inch above centerline of bore). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only.



TRAINING HANDGUN

AMERICAN EAGLE® INDOOR RANGE TRAINING

- Bullet is encapsulated in copper for reduced lead exposure and safer training
- Toxic-Metal Free® primer
- Ballistic equivalent of duty rounds

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------|----------|
| AE9N1 | 9mm Luger | 124 | TMJ | 1120 |
| AE9N2 | 9mm Luger | 147 | TMJ | 1000 |
| AE40N1 | 40 S&W | 180 | TMJ | 1000 |

AMERICAN EAGLE®

- Clean-burning powders
- Federal® primers and brass
- Functions perfectly in semi-automatic handguns

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|------------|-------|------------------------------|----------|
| AE25AP | 25 Auto | 50 | Full Metal Jacket | 760 |
| AE32AP | 32 Auto | 71 | Full Metal Jacket | 900 |
| AE380AP | 380 Auto | 95 | Full Metal Jacket | 980 |
| AE9DP | 9mm Luger | 115 | Full Metal Jacket | 1180 |
| AE9AP | 9mm Luger | 124 | Full Metal Jacket | 1150 |
| AE9FP | 9mm Luger | 147 | Full Metal Jacket Flat Point | 1000 |
| AE357S2 | 357 Sig | 125 | Full Metal Jacket | 1350 |
| AE38K | 38 Special | 130 | Full Metal Jacket | 810 |
| AE38B | 38 Special | 158 | Lead Round Nose | 770 |
| AE357A | 357 Magnum | 158 | Jacketed Soft Point | 1240 |
| AE40R3 | 40 S&W | 165 | Full Metal Jacket | 1130 |
| AE40R1 | 40 S&W | 180 | Full Metal Jacket | 1000 |
| AE10A | 10mm Auto | 180 | Full Metal Jacket | 1030 |
| AE45A | 45 Auto | 230 | Full Metal Jacket | 890 |

FEDERAL PREMIUM® LE



FEDERAL PREMIUM® LE



TRAINING HANDGUN

BALLISTICLEAN® RHT®

- Non-toxic frangible bullets break up on impact with metal targets
- Toxic-Metal Free® primer
- Felt recoil, accuracy and point of impact are comparable to service ammunition
- High-performance lead-free Catalyst™ primer

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------------------|----------|
| BC9P1 | 9mm Luger | 98 | Reduced Hazard Training | 1240 |
| BC9NT3 | 9mm Luger | 100 | Reduced Hazard Training | 1240 |
| BC357SNT3 | 357 Sig | 100 | Reduced Hazard Training | 1480 |
| BC40P1 | 40 S&W | 125 | Reduced Hazard Training | 1300 |
| BC40CT1 | 40 S&W | 125 | Reduced Hazard Training | 1300 |
| BC45CT1 | 45 Auto | 155 | Reduced Hazard Training | 1130 |



SYNTECH RANGE™

- TSJ® eliminates copper and lead fouling
- Lead-free Catalyst™ primer ignition
- Clean-burning propellants minimize residue and fouling

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|------------|-------|-------------|----------|
| AE38SJ1 | 38 Special | 148 | TSJ | 725 |
| AE9SJ1 | 9mm Luger | 115 | TSJ | 1130 |
| AE9SJ2 | 9mm Luger | 124 | TSJ | 1050 |
| AE40SJ1 | 40 S&W | 165 | TSJ | 1050 |
| AE45SJ1 | 45 Auto | 230 | TSJ | 830 |



TRAINING HANDGUN

FEDERAL PREMIUM® LE

SYNTECH TRAINING MATCH™

- Identical point of impact, velocity and trajectory as equivalent Tactical® HST® duty loads
- Extremely realistic and effective practice
- Purple jacket visually identifies matched training round
- Catalyst lead-free primer and Total Synthetic Jacket



| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------|----------|
| AE9SJ3 | 9mm Luger | 147 | TSJ | 1000 |
| AE9SJ4 | 9mm Luger | 124 | TSJ | 1150 |
| AE40SJ2 | 40 S&W | 180 | TSJ | 1010 |
| AE45SJ2 | 45 Auto | 230 | TSJ | 890 |

FEDERAL PREMIUM® TRAINING HANDGUN

| CALIBER | WEIGHT GRAINS | WEIGHT GRAMS | BULLET STYLE | LOAD NO. | PRIMER NO. | VELOCITY IN FPS | | | | | ENERGY IN FT LBS | | | | | TRAJECTORY | | | | TEST BARREL |
|--|---------------|--------------|--------------|-----------|------------|-----------------|------|------|------|------|------------------|-----|-----|-----|-----|------------|------|-------|-------|-------------|
| | | | | | | 0 | 25 | 50 | 75 | 100 | 0 | 25 | 50 | 75 | 100 | 25 | 50 | 75 | 100 | |
| BALLISTICLEAN® RHT® | | | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 100 | 6.48 | RHT | BC9NT3 | 200NT | 1240 | 1147 | 1075 | 1019 | 973 | 341 | 292 | 257 | 230 | 210 | ⊕ | -0.7 | -3.4 | -8.1 | 4 |
| 357 Sig | 100 | 6.48 | RHT | BC357SNT3 | 200 | 1480 | 1351 | 1239 | 1147 | 1074 | 486 | 405 | 341 | 292 | 256 | ⊕ | -0.3 | -2 | -5.4 | 4 |
| 40 S&W | 125 | 8.10 | RHT | BC40CT1 | 205NT | 1300 | 1176 | 1082 | 1013 | 959 | 469 | 384 | 325 | 285 | 255 | ⊕ | -0.7 | -3.2 | -7.8 | 4 |
| 45 Auto | 155 | 10.04 | RHT | BC45CT1 | 200NT | 1130 | 1062 | 1008 | 964 | 926 | 439 | 388 | 350 | 320 | 295 | ⊕ | -1 | -4.2 | -9.7 | 5 |
| AMERICAN EAGLE® INDOOR RANGE TRAINING | | | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 124 | 8.04 | TMJ | AE9N1 | 205TMF | 1120 | 1070 | 1028 | 993 | 961 | 345 | 315 | 291 | 271 | 255 | ⊕ | -1 | -4 | -9.3 | 4 |
| 9mm Luger | 147 | 9.53 | TMJ | AE9N2 | 205TMF | 1000 | 976 | 953 | 933 | 914 | 326 | 311 | 297 | 284 | 273 | ⊕ | -1.4 | -5.2 | -11.5 | 4 |
| 40 S&W | 180 | 11.66 | TMJ | AE40N1 | 205TMF | 1000 | 972 | 946 | 923 | 901 | 400 | 377 | 358 | 340 | 324 | ⊕ | -1.4 | -5.3 | -11.6 | 4 |
| 45 Auto | 230 | 14.9 | TMJ | AE45N1 | 200NX | 850 | 834 | 819 | 804 | 790 | 369 | 355 | 343 | 330 | 319 | ⊕ | -2.2 | -7.7 | -16.4 | 5 |
| AMERICAN EAGLE® | | | | | | | | | | | | | | | | | | | | |
| 25 Auto | 50 | 3.24 | FMJ | AE25AP | 200 | 760 | 738 | 717 | 697 | 677 | 64 | 60 | 57 | 54 | 51 | ⊕ | -3.1 | -10.4 | -22.1 | 2 |
| 32 Auto | 71 | 4.6 | FMJ | AE32AP | 100 | 900 | 872 | 846 | 821 | 798 | 128 | 120 | 113 | 106 | 100 | ⊕ | -2 | -7 | -15.2 | 4 |
| 380 Auto | 95 | 6.16 | FMJ | AE380AP | 100 | 980 | 937 | 899 | 865 | 835 | 203 | 185 | 170 | 158 | 147 | ⊕ | -1.6 | -5.8 | -13 | 3.75 |
| 9mm Luger | 115 | 7.45 | FMJ | AE9DP | 200 | 1180 | 1106 | 1048 | 1001 | 961 | 356 | 312 | 280 | 256 | 236 | ⊕ | -0.9 | -3.7 | -8.7 | 4 |
| 9mm Luger | 124 | 8.04 | FMJ | AE9AP | 200 | 1150 | 1095 | 1049 | 1010 | 977 | 364 | 330 | 303 | 281 | 263 | ⊕ | -0.9 | -3.8 | -8.8 | 4 |
| 9mm Luger | 147 | 9.53 | FMJ FP | AE9FP | 200 | 1000 | 976 | 953 | 933 | 914 | 326 | 311 | 297 | 284 | 273 | ⊕ | -1.4 | -5.2 | -11.5 | 4 |
| 357 Sig | 125 | 8.1 | FMJ | AE357S2 | 200 | 1350 | 1266 | 1192 | 1130 | 1078 | 506 | 445 | 395 | 354 | 323 | ⊕ | -0.5 | -2.4 | -6.1 | 4 |
| 38 Special | 130 | 8.42 | FMJ | AE38K | 100 | 890 | 870 | 852 | 834 | 817 | 229 | 219 | 209 | 201 | 193 | ⊕ | -2 | -7 | -15.1 | 4-V |
| 38 Special | 158 | 10.24 | LRN | AE38B | 100 | 770 | 758 | 745 | 733 | 722 | 208 | 201 | 195 | 189 | 183 | ⊕ | -2.9 | -9.8 | -20.7 | 4-V |
| 357 Magnum | 158 | 10.24 | JSP | AE357A | 100 | 1240 | 1187 | 1139 | 1098 | 1063 | 539 | 494 | 455 | 423 | 396 | ⊕ | -0.6 | -3 | -7.1 | 4-V |
| 40 S&W | 165 | 10.69 | FMJ | AE40R3 | 100 | 1130 | 1078 | 1035 | 999 | 967 | 468 | 426 | 392 | 365 | 342 | ⊕ | -1 | -4 | -9.1 | 4 |
| 40 S&W | 180 | 11.66 | FMJ | AE40R1 | 100 | 1000 | 972 | 946 | 923 | 901 | 400 | 377 | 358 | 340 | 324 | ⊕ | -1.4 | -5.3 | -11.6 | 4 |
| 10mm Auto | 180 | 11.66 | FMJ | AE10A | 150 | 1030 | 998 | 970 | 945 | 921 | 424 | 398 | 376 | 357 | 339 | ⊕ | -1.3 | -4.9 | -10.9 | 5 |
| 45 Auto | 230 | 14.9 | FMJ | AE45A | 200 | 890 | 872 | 856 | 840 | 824 | 404 | 389 | 374 | 360 | 347 | ⊕ | -2 | -6.9 | -15 | 5 |
| SYNTECH RANGE™ | | | | | | | | | | | | | | | | | | | | |
| 38 Special | 148 | 9.59 | TSJ | AE38SJ1 | 100 | 725 | 710 | 695 | 681 | 667 | 173 | 166 | 159 | 152 | 146 | ⊕ | -3.4 | -11.2 | -23.8 | 4-V |
| 9mm Luger | 115 | 7.45 | TSJ | AE9SJ1 | 100 | 1130 | 1080 | 1038 | 1002 | 971 | 326 | 298 | 275 | 256 | 241 | ⊕ | -1 | -3.9 | -9.1 | 4 |
| 9mm Luger | 124 | 8.04 | TSJ | AE9SJ2 | 100 | 1050 | 1011 | 978 | 949 | 922 | 304 | 282 | 263 | 248 | 234 | ⊕ | -1.2 | -4.7 | -10.6 | 4 |
| 40 S&W | 165 | 10.69 | TSJ | AE40SJ1 | 100 | 1050 | 1014 | 982 | 954 | 928 | 404 | 376 | 353 | 333 | 316 | ⊕ | -1.2 | -4.7 | -10.6 | 4 |
| 45 Auto | 230 | 14.9 | TSJ | AE45SJ1 | 200NX | 830 | 821 | 812 | 803 | 795 | 352 | 344 | 337 | 329 | 322 | ⊕ | -2.3 | -7.9 | -16.8 | 5 |
| SYNTECH® TRAINING MATCH™ | | | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 124 | 8.04 | TSJ | AE9SJ4 | 100 | 1150 | 1064 | 1000 | 949 | 907 | 364 | 312 | 275 | 248 | 226 | ⊕ | -1 | -4.2 | -9.8 | 4 |
| 9mm Luger | 147 | 9.53 | TSJ | AE9SJ3 | 100 | 1100 | 1053 | 1014 | 980 | 951 | 395 | 362 | 336 | 314 | 295 | ⊕ | -1.1 | -4.2 | -9.6 | 4 |
| 40 S&W | 180 | 11.66 | TSJ | AE40SJ2 | 100 | 1010 | 958 | 914 | 876 | 842 | 408 | 367 | 334 | 307 | 283 | ⊕ | -1.5 | -5.5 | -12.4 | 4 |
| 45 AUTO | 230 | 14.9 | TSJ | AE45SJ2 | 200NX | 890 | 855 | 824 | 794 | 767 | 404 | 374 | 346 | 322 | 300 | ⊕ | -2.1 | -7.3 | -16 | 5 |

FMJ = Full Metal Jacket HP = Hollow Point TMJ = Total Metal Jacket FP = Flat Point JSZ = Jacketed Stranded Zinc SW = Semi-WadCutter JSP = Jacketed Soft Point JHP = Jacketed Hollow Point
LRN = Lead Round Nose VB = Vented Test Barrel (simulating revolver performance) LP = Limited Penetration RHT = Reduced Hazard Training

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the normal behavior of each load at standard conditions 59°F temperature; barometric pressure of 29.53 inches; altitude at sea level. Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights, and ammunition. Midrange Trajectory is the maximum bullet rise between muzzle bore and given range when zeroed at given range. Height of bullet trajectory above or below line of sight if zeroed at 100 yards. Sights 1.5 inches above bore line.

*Bullet path in inches relative to line of sight when sighted for 25 yards (sight height 0.9 inch above centerline of bore). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only.



TACTICAL® BONDED

- Achieves unmatched accuracy and terminal performance
- Defeats the toughest barriers with minimal deflection or deviation

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------------|----------|
| LE223T1 | 223 Rem. | 55 | Bonded Soft Point | 3150 |
| LE223T3 | 223 Rem. | 62 | Bonded Soft Point | 3050 |
| LE308T1 | 308 Win. | 165 | Bonded Soft Point | 2600 |



TACTICAL® BONDED TIP™

- Engineered for minimal deflection and maximum weight retention
- Consistent penetration when shot through various intermediate barriers
- Polymer tip and boat-tail design increase ballistic coefficient and improve downrange performance

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|---------------------|----------|
| LE308TT2 | 308 Win. | 168 | Tactical Bonded Tip | 2650 |



DUTY RIFLE

TACTICAL® TRU®

- Match-grade accuracy
- Tactical Ballistic Tip and Tactical MatchKing provide extreme terminal performance while minimizing the risk of overpenetration
- Low-flash powders and crimped primers
- TRU bullet designs range from limited penetration for tactical entry to full penetration for patrol

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|-------------------------------|----------|
| T223T | 223 Rem. | 55 | Tactical Ballistic Tip | 3220 |
| T223E | 223 Rem. | 55 | Sierra Boat-Tail Hollow Point | 3220 |
| T223A | 223 Rem. | 55 | Hi-Shok Soft Point | 3220 |
| T223L | 223 Rem. | 64 | Hi-Shok Soft Point | 3050 |
| T223TTMK2 | 223 Rem. | 69 | Tactical Tip MatchKing | 2950 |
| T223TTMK3 | 223 Rem. | 77 | Tactical Tip MatchKing | 2730 |
| T308T | 308 Win. | 168 | Tactical Tip MatchKing | 2650 |
| T308TTMK2 | 308 Win. | 175 | Tactical Tip MatchKing | 2600 |
| T65CRDTTMK1 | 6.5 Creedmoor | 140 | Tactical Tip MatchKing | 2675 |

FEDERAL PREMIUM® LE



GOLD MEDAL®

- High-quality brass loaded with superior powder and benchrest-quality primers
- Berger® and Sierra® MatchKing® bullet options offer superior accuracy
- Provides accuracy at long range, even under adverse conditions



| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|---|----------|
| GM223M | 223 Rem. | 69 | Sierra MatchKing Boat-Tail Hollow Point | 2950 |
| GM223BH73 | 223 Rem. | 73 | Berger BT Target | 2800 |
| GM223M3 | 223 Rem. | 77 | Sierra MatchKing Boat-Tail Hollow Point | 2720 |
| GM224VLKBH2 | 224 Valkyrie | 80.5 | Gold Medal Berger Hybrid | 2925 |
| GM224VLK1 | 224 Valkyrie | 90 | Sierra MatchKing Boat-Tail Hollow Point | 2700 |
| GM6CRDBH1 | 6mm Creedmoor | 105 | Berger Hybrid | 3025 |
| GM6CRDM1 | 6mm Creedmoor | 107 | Gold Medal Sierra MatchKing | 3000 |
| GM65GLBH130 | 6.5 Grendel | 130 | Berger Hybrid OTM | 2400 |

FEDERAL PREMIUM® DUTY RIFLE

| CALIBER | WEIGHT GRAINS | WEIGHT GRAMS | BULLET STYLE | LOAD NO. | PRIMER NO. | VELOCITY IN FPS | | | | | ENERGY IN FT LBS | | | | | | |
|------------------------------|---------------|--------------|---------------------------|--------------|------------|-----------------|------|------|------|------|------------------|------|------|------|------|------|------|
| | | | | | | 0 | 100 | 200 | 300 | 400 | 500 | 0 | 100 | 200 | 300 | 400 | 500 |
| TACTICAL® BONDED | | | | | | | | | | | | | | | | | |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | Bonded Soft Point | LE223T1 | GM205M | 3150 | 2678 | 2252 | 1866 | 1530 | 1258 | 1212 | 876 | 619 | 425 | 286 | 193 |
| 223 Rem. (5.56x45mm) | 62 | 4.02 | Bonded Soft Point | LE223T3 | GM205M | 3050 | 2632 | 2249 | 1900 | 1590 | 1328 | 1281 | 953 | 696 | 497 | 348 | 243 |
| 308 Win. (7.62x51mm) | 165 | 10.69 | Bonded Soft Point | LE308T1 | GM210M | 2600 | 2352 | 2118 | 1897 | 1693 | 1506 | 2476 | 2026 | 1643 | 1318 | 1050 | 830 |
| TACTICAL® BONDED TIP™ | | | | | | | | | | | | | | | | | |
| 308 Win. (7.62 x 51mm) | 168 | 10.89 | Tactical Bonded Tip | LE308TT2 | GM210M | 2650 | 2456 | 2270 | 2092 | 1921 | 1761 | 2619 | 2249 | 1921 | 1632 | 1377 | 1157 |
| TACTICAL® TRU® | | | | | | | | | | | | | | | | | |
| 223 Rem. (5.56x45mm) | 69 | 4.47 | Tactical Tipped MatchKing | T223TTMK2 | GM205M | 2950 | 2689 | 2442 | 2208 | 1988 | 1781 | 1333 | 1107 | 913 | 747 | 606 | 486 |
| 223 Rem. (5.56x45mm) | 77 | 4.99 | Tactical Tipped MatchKing | T223TTMK3 | GM205M | 2730 | 2503 | 2288 | 2083 | 1888 | 1707 | 1274 | 1071 | 895 | 742 | 609 | 498 |
| 308 Win. (7.62x51mm) | 175 | 11.34 | Tactical Tipped MatchKing | T308TTMK2 | GM210M | 2600 | 2435 | 2277 | 2125 | 1978 | 1837 | 2627 | 2305 | 2015 | 1754 | 1520 | 1311 |
| 6.5 Creedmoor | 140 | 9.07 | Tactical Tipped MatchKing | T65CRDTTMK1 | GM205M | 2675 | 2521 | 2373 | 2230 | 2091 | 1957 | 2224 | 1976 | 1750 | 1545 | 1359 | 1191 |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | Tactical Ballistic Tip® | T223T | GM205M | 3220 | 2853 | 2514 | 2199 | 1908 | 1644 | 1266 | 994 | 772 | 591 | 444 | 330 |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | Sierra BTHP | T223E | GM205M | 3220 | 2830 | 2470 | 2140 | 1830 | 1560 | 1265 | 975 | 745 | 560 | 410 | 300 |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | Hi-Shok SP | T223A | GM205M | 3220 | 2780 | 2380 | 2020 | 1690 | 1410 | 1265 | 945 | 695 | 500 | 350 | 240 |
| 223 Rem. (5.56x45mm) | 64 | 4.15 | Hi-Shok SP | T223L | GM205M | 3050 | 2680 | 2340 | 2030 | 1740 | 1490 | 1320 | 1020 | 780 | 585 | 430 | 315 |
| 308 Win. (7.62x51mm) | 168 | 10.89 | Tactical MatchKing | T308T | GM210M | 2650 | 2470 | 2298 | 2132 | 1974 | 1822 | 2619 | 2276 | 1969 | 1696 | 1453 | 1238 |
| GOLD MEDAL® | | | | | | | | | | | | | | | | | |
| 223 Rem. (5.56x45mm) | 69 | 4.47 | Sierra MatchKing BTHP | GM223M | GM205M | 2950 | 2642 | 2353 | 2084 | 1832 | 1604 | 1333 | 1069 | 848 | 665 | 514 | 394 |
| 223 Rem. (5.56x45mm) | 73 | 4.73 | Berger BT Target | GM223BH73 | GM205M | 2800 | 2541 | 2296 | 2065 | 1847 | 1648 | 1271 | 1046 | 854 | 691 | 553 | 440 |
| 223 Rem. (5.56x45mm) | 77 | 4.99 | Sierra MatchKing BTHP | GM223M3 | GM205M | 2720 | 2481 | 2255 | 2041 | 1838 | 1652 | 1265 | 1053 | 869 | 712 | 578 | 466 |
| 224 Valkyrie | 80.5 | 5.22 | Berger BT Target | GM224VLKBH2 | GM205M | 2925 | 2713 | 2512 | 2318 | 2134 | 1958 | 1529 | 1316 | 1127 | 976 | 814 | 685 |
| 224 Valkyrie | 90 | 5.83 | Sierra MatchKing BTHP | GM224VLK1 | GM205M | 2700 | 2542 | 2388 | 2241 | 2098 | 1961 | 1457 | 1291 | 1140 | 1003 | 880 | 768 |
| 6mm Creedmoor | 105 | 6.80 | Berger Hybrid | GM6CRDBH1 | GM210M | 3025 | 2846 | 2674 | 2509 | 2350 | 2133 | 1889 | 1668 | 1468 | 1287 | 1124 | |
| 6mm Creedmoor | 107 | 6.93 | Sierra MatchKing BTHP | GM6CRDM1 | GM210M | 3000 | 2826 | 2658 | 2497 | 2341 | 2191 | 2138 | 1897 | 1679 | 1481 | 1302 | 1140 |
| 6.5 PRC | 140 | | Gold Medal Berger Hybrid | GM65PRCBH1 | GM205M | 2925 | 2770 | 2621 | 2476 | 2336 | 2201 | 2659 | 2386 | 2135 | 1906 | 1696 | 1506 |
| 6.5 Grendel | 130 | 8.42 | Berger Hybrid OTM | GM65GLBH130 | GM205M | 2400 | 2251 | 2108 | 1969 | 1836 | 1711 | 1663 | 1463 | 1282 | 1119 | 973 | 845 |
| 6.5 Creedmoor | 130 | 8.42 | Hybrid OTM | GM65CRDBH130 | GM210M | 2825 | 2661 | 2503 | 2351 | 2204 | 2062 | 2303 | 2044 | 1809 | 1595 | 1402 | 1227 |
| 6.5 Creedmoor | 140 | 8.42 | Sierra MatchKing BTHP | GM65CRD1 | GM210M | 2675 | 2509 | 2350 | 2196 | 2048 | 1905 | 2224 | 1957 | 1716 | 1499 | 1303 | 1128 |
| 308 Win. (7.62x51mm) | 168 | 10.89 | Sierra MatchKing BTHP | GM308M | GM210M | 2650 | 2460 | 2277 | 2103 | 1936 | 1778 | 2619 | 2257 | 1935 | 1650 | 1398 | 1179 |
| 308 Win. (7.62x51mm) | 175 | 11.34 | Sierra MatchKing BTHP | GM308M2 | GM210M | 2600 | 2427 | 2262 | 2102 | 1949 | 1803 | 2627 | 2290 | 1987 | 1717 | 1476 | 1264 |
| 308 Win. (7.62x51mm) | 185 | 11.99 | Berger Juggernaut OTM | GM308BH185 | GM210M | 2600 | 2442 | 2289 | 2143 | 2001 | 1864 | 2777 | 2449 | 2153 | 1886 | 1644 | 1428 |
| 30-06 Spring. (7.62x63mm) | 168 | 10.89 | Sierra MatchKing BTHP | GM3006M | GM210M | 2700 | 2508 | 2324 | 2148 | 1980 | 1819 | 2719 | 2346 | 2015 | 1721 | 1462 | 1234 |
| 300 Win. Magnum | 190 | 12.31 | Sierra MatchKing BTHP | GM300WM | GM215M | 2900 | 2725 | 2557 | 2395 | 2239 | 2089 | 3548 | 3133 | 2758 | 2420 | 2115 | 1841 |
| 300 Win. Magnum | 215 | 13.93 | Berger Hybrid | GM300WMBH1 | GM215M | 2825 | 2692 | 2563 | 2437 | 2315 | 2196 | 3810 | 3459 | 3135 | 2835 | 2558 | 2303 |
| 300 Norma Mag. | 215 | 13.93 | Berger Hybrid | GM300NMBH1 | GM216M | 2925 | 2789 | 2657 | 2528 | 2404 | 2283 | 4084 | 3713 | 3369 | 3052 | 2758 | 2487 |
| 338 Lapua Magnum | 250 | 16.20 | Sierra MatchKing BTHP | GM338LM | GM216M | 2950 | 2789 | 2634 | 2484 | 2339 | 2199 | 4830 | 4318 | 3851 | 3426 | 3037 | 2685 |
| 338 Lapua Magnum | 300 | 19.44 | Sierra MatchKing BTHP | GM338LM2 | GM216M | 2580 | 2466 | 2355 | 2248 | 2143 | 2040 | 4434 | 4052 | 3696 | 3365 | 3058 | 2772 |

DUTY RIFLE

GOLD MEDAL® (CONT'D)

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|--------------|------------------|-------|---|----------|
| GM65CRDBH130 | 6.5 Creedmoor | 130 | Hybrid OTM | 2825 |
| GM65CRD1 | 6.5 Creedmoor | 140 | Sierra MatchKing Boat-Tail Hollow Point | 2675 |
| GM65PRCBH1 | 6.5 PRC | 140 | Gold Medal Berger Hybrid | 2925 |
| GM308M | 308 Win. | 168 | Sierra MatchKing Boat-Tail Hollow Point | 2650 |
| GM308M2 | 308 Win. | 175 | Sierra MatchKing Boat-Tail Hollow Point | 2600 |
| GM308BH185 | 308 Win. | 185 | Berger Juggernaut OTM | 2600 |
| GM3006M | 30-06 Spring. | 168 | Sierra MatchKing Boat-Tail Hollow Point | 2700 |
| GM300WM | 300 Win. Magnum | 190 | Sierra MatchKing Boat-Tail Hollow Point | 2900 |
| GM300WMBH1 | 300 Win. Magnum | 215 | Gold Medal Berger Hybrid | 2825 |
| GM300NMBH1 | 300 Norma Mag | 215 | Gold Medal Berger Hybrid | 2925 |
| GM338LM | 338 Lapua Magnum | 250 | Sierra MatchKing Boat-Tail Hollow Point | 2950 |
| GM338LM2 | 338 Lapua Magnum | 300 | Sierra MatchKing Boat-Tail Hollow Point | 2580 |



EFMJ = Expanding Full Metal Jacket FMJ = Full Metal Jacket HP = Hollow Point TMJ = Total Metal Jacket
 FP = Flat Point JSZ = Jacketed Stranded Zinc SW = Semi-Wad Cutter JSP = Jacketed Soft Point
 JHP = Jacketed Hollow Point LRN = Lead Round Nose VB = Vented Test Barrel (simulating revolver performance) LP = Limited Penetration

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the normal behavior of each load at standard conditions 59°F temperature; barometric pressure of 29.53 inches; altitude at sea level. Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights, and ammunition. Midrange Trajectory is the maximum bullet rise between muzzle bore and given range when zeroed at given range. Height of bullet trajectory above or below line of sight if zeroed at 100 yards. Sights 1.5 inches above bore line.

| | WINDDRIFT (YDS) | | | | | AVERAGE BULLET TRAJECTORY (YDS) | | | | | LONG RANGE BULLET TRAJECTORY (YDS) | | | | | TEST BARREL | FIRING ANGLE* | MAX DISTANCE | MAX ELEVATION |
|-----|-----------------|------|------|------|------|---------------------------------|------|-------|-----|-----|------------------------------------|-------|-------|-------|-----|-------------|---------------|--------------|---------------|
| | 100 | 200 | 300 | 400 | 500 | 50 | 100 | 200 | 300 | 50 | 100 | 200 | 300 | 400 | 500 | | | | |
| 1.4 | 6.2 | 15.1 | 29.7 | 51.1 | -0.2 | ⊕ | -3.4 | -13.7 | 0.6 | 1.7 | ⊕ | -8.6 | -27.6 | -62.1 | 24 | 32 | 9155 | 2684 | |
| 1.3 | 5.7 | 13.9 | 27.1 | 46.2 | -0.2 | ⊕ | -3.6 | -14 | 0.7 | 1.8 | ⊕ | -8.7 | -27.4 | -60.2 | 24 | 33 | 9828 | 2832 | |
| 1 | 4.4 | 10.3 | 19.6 | 32.3 | 0 | ⊕ | -4.9 | -17.3 | 1.2 | 2.4 | ⊕ | -10 | -30.1 | -62.1 | 24 | 35 | 13052 | 3901 | |
| 0.7 | 3.2 | 7.6 | 13.8 | 22.7 | -0.1 | ⊕ | -4.3 | -15.4 | 1 | 2.1 | ⊕ | -9 | -25.6 | -52 | 24 | 36 | 15850 | 4791 | |
| 0.9 | 3.5 | 8.4 | 15.8 | 25.8 | -0.2 | ⊕ | -3.3 | -12.5 | 0.6 | 1.7 | ⊕ | -7.5 | -22.2 | -45.6 | 24 | 35 | 13791 | 4193 | |
| 0.8 | 3.6 | 8.5 | 15.6 | 25.8 | -0.1 | ⊕ | -4.1 | -14.8 | 0.9 | 2 | ⊕ | -8.7 | -25.3 | -52.1 | 24 | 36 | 14446 | 4449 | |
| 0.6 | 2.7 | 6.5 | 11.9 | 19.1 | -0.1 | ⊕ | -4.4 | -15.5 | 1 | 2.2 | ⊕ | -9 | -25.6 | -50.8 | 24 | 37 | 17545 | 5357 | |
| 0.6 | 2.3 | 5.6 | 10.4 | 16.6 | -0.1 | ⊕ | -3.9 | -14.1 | 0.9 | 2 | ⊕ | -8.2 | -23.5 | -46.4 | 24 | 38 | 18803 | 5922 | |
| 1 | 4.3 | 10.4 | 19.7 | 33.3 | -0.3 | ⊕ | -2.8 | -11.1 | 0.4 | 1.4 | ⊕ | -6.9 | -21 | -45.2 | 24 | 33 | 11355 | 3360 | |
| 1.1 | 4.7 | 11.3 | 21.5 | 36.4 | -0.3 | ⊕ | -2.9 | -11.5 | 0.4 | 1.4 | ⊕ | -7.2 | -22 | -47.6 | 24 | 33 | 10834 | 3230 | |
| 1.2 | 5.3 | 13 | 25.3 | 43 | -0.3 | ⊕ | -3 | -12.2 | 0.5 | 1.5 | ⊕ | -7.7 | -24.2 | -53.1 | 24 | 33 | 9897 | 2993 | |
| 1.2 | 4.9 | 11.8 | 22.6 | 38.2 | -0.2 | ⊕ | -3.3 | -13.1 | 0.6 | 1.7 | ⊕ | -8.1 | -24.7 | -53.2 | 24 | 33 | 10876 | 3207 | |
| 0.7 | 2.9 | 6.9 | 12.7 | 20.4 | -0.1 | ⊕ | -4.2 | -15.1 | 1 | 2.1 | ⊕ | -8.8 | -25.1 | -50.2 | 24 | 37 | 16723 | 5359 | |
| 1 | 4.3 | 10.3 | 19.3 | 32.4 | -0.2 | ⊕ | -3.5 | -13.3 | 0.7 | 1.7 | ⊕ | -8.1 | -24.1 | -51 | 16 | 34 | 12166 | 3637 | |
| 1 | 3.9 | 9.4 | 17.4 | 29.1 | -0.1 | ⊕ | -3.9 | -14.4 | 0.8 | 1.9 | ⊕ | -8.6 | -25.2 | -52.6 | 24 | 35 | 13334 | 4033 | |
| 0.9 | 3.8 | 9 | 16.7 | 27.9 | -0.1 | ⊕ | -4.2 | -15.2 | 0.9 | 2.1 | ⊕ | -9 | -26.1 | -54.1 | 24 | 35 | 13929 | 4165 | |
| 0.7 | 2.9 | 6.7 | 12.5 | 20.1 | -0.2 | ⊕ | -3.2 | -11.9 | 0.6 | 1.6 | ⊕ | -7.1 | -20.8 | -42 | 24 | 36 | 16031 | 4925 | |
| 0.6 | 2.4 | 5.7 | 10.6 | 16.9 | -0.1 | ⊕ | -3.8 | -13.9 | 0.8 | 1.9 | ⊕ | -8.1 | -23.2 | -45.9 | 24 | 38 | 18530 | 5863 | |
| 0.5 | 2.2 | 5.1 | 9.4 | 15.3 | -0.2 | ⊕ | -2.8 | -10.5 | 0.5 | 1.4 | ⊕ | -6.2 | -18 | -36.1 | 24 | 37 | 18627 | 5839 | |
| 0.5 | 2.2 | 5.2 | 9.3 | 15.1 | -2 | ⊕ | -2.9 | -10.7 | 0.5 | 1.4 | ⊕ | -6.4 | -18.2 | -36.6 | 24 | 37 | 18843 | 5885 | |
| 0.5 | 2.1 | 4.8 | 8.6 | 13.9 | -0.2 | ⊕ | -3.1 | -11.1 | 0.6 | 1.5 | ⊕ | -6.6 | -18.7 | -37.5 | 24 | 38 | 20082 | 6396 | |
| 0.8 | 3.1 | 6.9 | 12.5 | 20.6 | 0.1 | ⊕ | -5.4 | -18.6 | 1.4 | 2.7 | ⊕ | -10.4 | -29.7 | -59.8 | 24 | 38 | 17723 | 5493 | |
| 0.6 | 2.3 | 5.4 | 10 | 16.1 | -0.2 | ⊕ | -3.4 | -12.3 | 0.7 | 1.7 | ⊕ | -7.2 | -20.9 | -41.6 | 24 | 38 | 18872 | 6044 | |
| 0.6 | 2.6 | 6.2 | 11.3 | 18.1 | -0.1 | ⊕ | -4 | -14.4 | 0.9 | 2 | ⊕ | -8.4 | -23.9 | -47.5 | 24 | 37 | 17830 | 5466 | |
| 0.7 | 3.1 | 7.4 | 13.4 | 22 | -0.1 | ⊕ | -4.3 | -15.3 | 1 | 2.1 | ⊕ | -8.9 | -25.5 | -51.5 | 24 | 37 | 16052 | 5000 | |
| 0.6 | 2.9 | 6.9 | 12.5 | 20.3 | -0.1 | ⊕ | -4.4 | -15.7 | 1 | 2.2 | ⊕ | -9.1 | -25.8 | -51.8 | 24 | 37 | 17139 | 5255 | |
| 0.6 | 2.6 | 6.2 | 11.3 | 18.2 | -0.1 | ⊕ | -4.3 | -15.4 | 1 | 2.2 | ⊕ | -8.9 | -25.2 | -50 | 24 | 38 | 18040 | 5682 | |
| 0.7 | 3 | 7.2 | 13.2 | 21.3 | -0.1 | ⊕ | -4 | -14.6 | 0.9 | 2 | ⊕ | -8.5 | -24.5 | -49.2 | 24 | 37 | 16289 | 5083 | |
| 0.6 | 2.4 | 5.5 | 10.1 | 16.4 | -0.2 | ⊕ | -3.2 | -11.6 | 0.6 | 1.6 | ⊕ | -6.9 | -19.9 | -39.8 | 24 | 37 | 18652 | 5787 | |
| 0.5 | 1.9 | 4.3 | 7.8 | 12.7 | -0.2 | ⊕ | -3.3 | -11.8 | 0.7 | 1.7 | ⊕ | -6.9 | -19.7 | -39.1 | 24 | 39 | 21752 | 7041 | |
| 0.4 | 1.9 | 4.1 | 7.4 | 12 | -0.2 | ⊕ | -3 | -10.9 | 0.5 | 1.5 | ⊕ | -6.4 | -18.2 | -36 | 24 | 38 | 22183 | 7006 | |
| 0.5 | 2.1 | 4.9 | 8.8 | 14.3 | -0.2 | ⊕ | -3 | -11 | 0.5 | 1.5 | ⊕ | -6.5 | -18.5 | -37.1 | 24 | 38 | 19684 | 6301 | |
| 0.4 | 1.8 | 4.3 | 8 | 12.8 | -0.1 | ⊕ | -4.2 | -14.7 | 1 | 2.1 | ⊕ | -8.5 | -23.8 | -46.6 | 24 | 39 | 22866 | 7244 | |

BALLISTICLEAN® RHT®



- Non-toxic frangible bullets break up on impact with metal targets
- Toxic-Metal Free® primer
- Felt recoil and point of impact are comparable to service ammunition
- High-performance lead-free Catalyst™ primer

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------------------|----------|
| BC223NT5 | 223 Rem. | 42 | Reduced Hazard Training | 3450 |
| BC223NT5A | 223 Rem. | 55 | Reduced Hazard Training | 3100 |



FEDERAL PREMIUM® TRAINING RIFLE

| CALIBER | WEIGHT GRAINS | WEIGHT GRAMS | BULLET STYLE | LOAD NO. | PRIMER NO. | VELOCITY IN FPS | | | | | ENERGY IN FT LBS | | | | | | |
|----------------------------|---------------|--------------|--------------|-----------|------------|-----------------|------|------|------|------|------------------|------|------|------|------|------|------|
| | | | | | | 0 | 100 | 200 | 300 | 400 | 500 | 0 | 100 | 200 | 300 | 400 | 500 |
| BALLISTICLEAN® RHT® | | | | | | | | | | | | | | | | | |
| 223 Rem. (5.56x45mm) | 42 | 2.72 | RHT | BC223NT5 | TMF | 3450 | 2726 | 2105 | 1580 | 1189 | 984 | 1110 | 693 | 413 | 233 | 132 | 90 |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | RHT | BC223NT5A | TMF | 3100 | 2404 | 1809 | 1334 | 1046 | 906 | 1174 | 706 | 399 | 217 | 134 | 100 |
| AMERICAN EAGLE® | | | | | | | | | | | | | | | | | |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | FMJ | AE223NX1 | 205 | 3240 | 2874 | 2536 | 2222 | 1931 | 1667 | 1282 | 1008 | 785 | 603 | 455 | 339 |
| 223 Rem. (5.56x45mm) | 55 | 3.56 | FMJ-BT | AE223 | 205 | 3240 | 2874 | 2536 | 2222 | 1931 | 1667 | 1282 | 1008 | 785 | 603 | 455 | 339 |
| 223 Rem. (5.56x45mm) | 62 | 4.02 | FMJ-BT | AE223N | 205 | 3020 | 2713 | 2426 | 2156 | 1904 | 1674 | 1255 | 1013 | 810 | 640 | 499 | 386 |
| 223 Rem. (5.56x45mm) | 75 | 4.86 | FMJ | AE223T75 | 205 | 2775 | 2550 | 2336 | 2132 | 1938 | 1756 | 1282 | 1083 | 908 | 757 | 625 | 514 |
| 30 Carbine | 110 | 7.13 | FMJ | AE30CB | 205 | 1990 | 1564 | 1231 | 1031 | 919 | 839 | 967 | 597 | 370 | 260 | 206 | 172 |
| 224 Valkyrie | 75 | 4.86 | FMJ | AE224VLK1 | 205 | 3000 | 2763 | 2539 | 2325 | 2122 | 1929 | 1499 | 1272 | 1073 | 900 | 750 | 619 |
| 7.62x39mm Soviet | 124 | 8.04 | FMJ | A76239A | 210 | 2350 | 2078 | 1824 | 1595 | 1392 | 1224 | 1520 | 1189 | 916 | 701 | 533 | 412 |
| 308 Win. (7.62x51mm) | 150 | 9.72 | FMJ-BT | AE308D | 210 | 2820 | 2597 | 2385 | 2183 | 1990 | 1808 | 2648 | 2246 | 1894 | 1586 | 1319 | 1089 |
| 30-06 Spring. (7.62x63mm) | 150 | 9.72 | FMJ-BT | AE3006N | 210 | 2910 | 2683 | 2466 | 2260 | 2064 | 1877 | 2820 | 2397 | 2026 | 1701 | 1419 | 1173 |
| 338 Lapua | 250 | 16.2 | SP | AE338L | 216 | 2875 | 2708 | 2547 | 2392 | 2242 | 2097 | 4588 | 4070 | 3601 | 3175 | 2789 | 2442 |

TRAINING RIFLE

AMERICAN EAGLE®

- Ideal for target practice and training
- Accurate and reliable
- Available in a wide variety of calibers

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|------------------|-------|-----------------------------|----------|
| AE223 | 223 Rem. | 55 | Full Metal Jacket Boat-Tail | 3240 |
| AE223N | 223 Rem. | 62 | Full Metal Jacket Boat-Tail | 3020 |
| AE223T75 | 223 Rem. | 75 | Full Metal Jacket | 2775 |
| AE224VLK1 | 224 Valkyrie | 75 | Total Metal Jacket | 3000 |
| AE30CB | 30 Carbine | 110 | Full Metal Jacket | 1990 |
| A76239A | 7.62x39mm Soviet | 124 | Full Metal Jacket | 2350 |
| AE308D | 308 Win. | 150 | Full Metal Jacket Boat-Tail | 2820 |
| AE3006N | 30-06 Spring. | 150 | Full Metal Jacket Boat-Tail | 2910 |
| AE338L | 338 Lapua Magnum | 250 | Jacketed Soft Point | 2875 |

AMERICAN EAGLE® WITH CATALYST™ PRIMER

- Similar ballistics as duty loads
- Catalyst™ lead-free primer offers the same reliability as lead-styphnate primers
- Accurate and consistent
- Federal brass

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------------|----------|
| AE223NX1 | 223 Rem. | 55 | Full Metal Jacket | 3240 |

FEDERAL PREMIUM® LE



| | WINDDRIFT (YDS) | | | | | AVERAGE BULLET TRAJECTORY (YDS) | | | | | LONG RANGE BULLET TRAJECTORY (YDS) | | | | | TEST BARREL | ESTIMATED EXTREME RANGE | | |
|-----|-----------------|------|------|------|------|---------------------------------|------|-------|-----|-----|------------------------------------|-------|-------|--------|-----|-------------|-------------------------|--------------|---------------|
| | 100 | 200 | 300 | 400 | 500 | 50 | 100 | 200 | 300 | 50 | 100 | 200 | 300 | 400 | 500 | | FIRING ANGLE* | MAX DISTANCE | MAX ELEVATION |
| 1.9 | 8.7 | 22.4 | 45.9 | 79.9 | -0.3 | ⊕ | -3.3 | -14.8 | 0.5 | 1.6 | ⊕ | -9.8 | -34.7 | -85 | 24 | 30 | 6900 | 1976 | |
| 2.3 | 10.6 | 27.7 | 56 | 93.5 | -0.2 | ⊕ | -4.7 | -20.6 | 1 | 2.3 | ⊕ | -13.6 | -47.9 | -112.9 | 24 | 30 | 6546 | 1859 | |
| 1 | 4.3 | 10.2 | 19.4 | 32.7 | -0.3 | ⊕ | -2.7 | -10.9 | 0.4 | 1.4 | ⊕ | -6.8 | -20.6 | -44.2 | 24 | 33 | 11472 | 3393 | |
| 1 | 4.3 | 10.2 | 19.4 | 32.7 | -0.3 | ⊕ | -2.7 | -10.9 | 0.4 | 1.4 | ⊕ | -6.8 | -20.6 | -44.2 | 24 | 33 | 11382 | 3370 | |
| 1 | 4 | 9.7 | 18.1 | 30.4 | -0.2 | ⊕ | -3.2 | -12.4 | 0.6 | 1.6 | ⊕ | -7.6 | -22.6 | -47.6 | 24 | 34 | 12338 | 3697 | |
| 0.8 | 3.4 | 8.1 | 14.9 | 24.6 | -0.1 | ⊕ | -3.8 | -14.1 | 0.8 | 1.9 | ⊕ | -8.4 | -24.2 | -49.6 | 24 | 36 | 14707 | 4531 | |
| 3.5 | 15.1 | 35.8 | 63.7 | 97.4 | 0.7 | ⊕ | -13 | -49.1 | 3.9 | 6.5 | ⊕ | -29.7 | -90.9 | -190.2 | 18 | 32 | 7029 | 1998 | |
| 0.7 | 3.1 | 7.2 | 13.4 | 21.8 | 0.2 | ⊕ | -3.1 | -11.5 | 0.5 | 1.5 | ⊕ | -6.9 | -20.4 | -41.5 | 24 | 36 | 15060 | 4701 | |
| 1.5 | 6 | 14.7 | 27.6 | 45.7 | 0.1 | ⊕ | -6.5 | -23.8 | 1.8 | 3.3 | ⊕ | -14 | -41.5 | -87.5 | 20 | 35 | 11257 | 3373 | |
| 0.8 | 3.3 | 7.8 | 14.4 | 23.3 | -0.2 | ⊕ | -3.6 | -13.5 | 0.8 | 1.8 | ⊕ | -8 | -23.3 | -47.2 | 24 | 36 | 15137 | 4657 | |
| 0.8 | 3.2 | 7.4 | 13.7 | 22.2 | -0.2 | ⊕ | -3.3 | -12.4 | 0.6 | 1.7 | ⊕ | -7.4 | -21.7 | -43.8 | 24 | 36 | 15012 | 4657 | |
| 0.6 | 2.4 | 5.3 | 9.8 | 15.9 | -0.2 | ⊕ | -3.2 | -11.8 | 0.6 | 1.6 | ⊕ | -6.9 | -20 | -40.1 | 24 | 33 | 17540 | 5250 | |

EFMJ = Expanding Full Metal Jacket FMJ = Full Metal Jacket FMJ-BT = Full Metal Jacket Boat Tail HP = Hollow Point TMJ = Total Metal Jacket FP = Flat Point JSZ = Jacketed Stranded Zinc SW = Semi-WadCutter JSP = Jacketed Soft Point JHP = Jacketed Hollow Point LRN = Lead Round Nose VB = Vented Test Barrel (simulating revolver performance) LP = Limited Penetration RHT = Reduced Hazard Training

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the normal behavior of each load at standard conditions 59°F temperature; barometric pressure of 29.53 inches; altitude at sea level. Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights, and ammunition. Midrange Trajectory is the maximum bullet rise between muzzle bore and given range when zeroed at given range. Height of bullet trajectory above or below line of sight if zeroed at 100 yards. Sights 1.5 inches above bore line.



BALLISTICLEAN® FRANGIBLE SLUG AND BUCKSHOT

Train hard without making hard sacrifices. BallistiClean® frangible slug and buckshot loads provide uncompromising reliability and performance with Catalyst™, the only 100 percent lead-free primer design proven as reliable as conventional lead styphnate primers. Combined with BallistiClean's non-lead projectiles, which break up on impact with hard targets, these slug and buckshot loads result in the safest shooting and most realistic, effective training.

- 100 percent lead-free Catalyst primer
- Primer compound is non-hygroscopic, has no shelf life and easily ignites a large variety of shotshell powders
- Lead-free frangible slugs and buckshot reduce the amount of splash-back on steel targets
- Clean and consistent
- Provides ballistic performance and feel almost identical to duty loads

| Part Number | Gauge | Inches | Payload | Shot | Velocity |
|-------------|-------|--------|----------|---------|----------|
| BC132 00 | 12 | 2 3/4 | 9 Pellet | 00 Buck | 1500 |

| Part Number | Gauge | Inches | Ounces | Grain | Velocity |
|-------------|-------|--------|--------|-------|----------|
| BC127 RS | 12 | 2 3/4 | 3/4 | 325 | 1600 |



POWER•SHOK® RIFLED SLUG

- Available in 1-ounce and 1¼-ounce options
- Powerful loads
- Reliable performance at an affordable price

| Part Number | Gauge | Inches | Ounces | Grain | Bullet Type | Velocity |
|-------------|-------|--------|--------|-------|--------------|----------|
| F130 RS | 12 | 2 3/4 | 1 1/4 | 547 | Hollow Point | 1520 |
| F127 RS | 12 | 2 3/4 | 1 | 438 | Hollow Point | 1610 |



SLUG & TARGET SHOTSHELL

TACTICAL® TRUBALL® RIFLED SLUG

- A plastic ball between the wad and slug increases smoothbore accuracy
- Capable of 2-inch groups at 50 yards
- Clean separation of components after muzzle exit
- Blue hull for easy visual identification

| Part Number | Gauge | Inches | Ounces | Grain | Velocity |
|-------------|-------|--------|--------|-------|----------|
| LEB127 LRS | 12 | 2 3/4 | 1 | 438 | 1300 |
| LEB127 RS | 12 | 2 3/4 | 1 | 438 | 1600 |

TACTICAL® TRUBALL® DEEP PENETRATOR

- Slug hardness ensures better terminal performance.

| Part Number | Gauge | Inches | Ounces | Grain | Velocity |
|-------------|-------|--------|--------|-------|----------|
| LEB127 DPRS | 12 | 2 3/4 | 1 | 438 | 1350 |

TACTICAL® RIFLED SLUG

- 1-ounce Hydra-Shok® slug excels in standard FBI test protocols
- Dynamic expansion without over-penetration

| Part Number | Gauge | Inches | Ounces | Grain | Bullet Type | Velocity |
|-------------|-------|--------|--------|-------|-------------------------|----------|
| LE127 RS | 12 | 2 3/4 | 1 | 438 | Hydra-Shok Hollow Point | 1300 |
| LEF127 RS | 12 | 2 3/4 | 1 | 438 | Hydra-Shok Hollow Point | 1610 |

FEDERAL PREMIUM® LE





TOP GUN® TARGET LOADS

- Hard shot
- Consistent, reliable Federal primer
- Eight-segment crimp
- Triple Plus® wad column for consistent pattern

| Part Number | Gauge | Inches | Ounces | Shot | Dram Eq. | Velocity |
|-------------|-------|--------|--------|------|----------|----------|
| TG12 7.5 | 12 | 2 3/4 | 1 1/8 | 7.5 | 3 | 1200 |
| TG12 8 | 12 | 2 3/4 | 1 1/8 | 8 | 3 | 1200 |
| TGL12 7.5 | 12 | 2 3/4 | 1 1/8 | 7.5 | 2 3/4 | 1145 |
| TGL12 8 | 12 | 2 3/4 | 1 1/8 | 8 | 2 3/4 | 1145 |
| TGL12 9 | 12 | 2 3/4 | 1 1/8 | 9 | 2 3/4 | 1145 |
| TG20 7.5 | 20 | 2 3/4 | 7/8 | 7.5 | 2 1/2 | 1210 |
| TG20 8 | 20 | 2 3/4 | 7/8 | 8 | 2 1/2 | 1210 |
| TG20 9 | 20 | 2 3/4 | 7/8 | 9 | 2 1/2 | 1210 |



BUCKSHOT

TACTICAL[®] BUCKSHOT WITH FLITECONTROL[®] WAD

- Hard, copper-plated shot provides better penetration
- FLITECONTROL wad produces extremely tight, consistent patterns
- One-piece hull with integral base wad
- Granulated buffering prevents pellet deformation

| Part Number | Gauge | Inches | Payload | Shot | Velocity |
|-------------|-------|--------|-----------|---------|----------|
| LE127 00 | 12 | 2 3/4 | 9 Pellets | 00 Buck | 1325 |
| LE132 00* | 12 | 2 3/4 | 9 Pellets | 00 Buck | 1145 |
| LE133 00* | 12 | 2 3/4 | 8 Pellets | 00 Buck | 1145 |

*Reduced recoil

PREMIUM[®] BUCKSHOT

- Copper-plated shot for tight patterns and great downrange energy
- Puts more pellets on target for impressive stopping power

| Part Number | Gauge | Inches | Payload | Shot | Velocity |
|-------------|-------|--------|------------|---------|----------|
| P154 00 | 12 | 2 3/4 | 9 Pellets | 00 Buck | 1325 |
| P156 00 | 12 | 2 3/4 | 12 Pellets | 00 Buck | 1290 |

POWER•SHOK[®] BUCKSHOT

- Triple Plus[®] wad system provides better shot alignment
- Granulated plastic buffer prevents pellet deformation
- Tight, predictable downrange patterns and stopping power

| Part Number | Gauge | Inches | Payload | Shot | Velocity |
|-------------|-------|--------|------------|----------|----------|
| F130 00 | 12 | 2 3/4 | 12 Pellets | 00 Buck | 1290 |
| F127 000 | 12 | 2 3/4 | 8 Pellets | 000 Buck | 1325 |
| F127 00 | 12 | 2 3/4 | 9 Pellets | 00 Buck | 1325 |

FEDERAL PREMIUM[®] LE

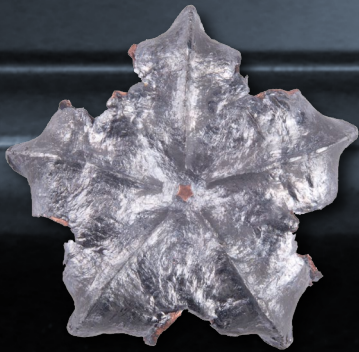


GOLD DOT® G2® HANDGUN

For years, Speer Gold Dot has been the pinnacle of duty handgun ammunition performance. Gold Dot G2 builds on this reputation with a next-generation duty bullet design. Instead of a large cavity in the nose, Gold Dot G2 has only a shallow dish filled with a high-performance elastomer. On impact, the elastomer is forced into engineered internal fissures to start the expansion process, as opposed to conventional bullet designs, which rely on target media to enter the hollow-point and create expansion forces. The result is extremely uniform expansion, better separation of the petals, and more consistent penetration across barrier types, gun platforms and barrel lengths.

- Shallow-dished, elastomer-filled nose
- Elastomer forced into engineered internal fissures starts the expansion process
- Extremely uniform upset and penetration
- Exclusive Gold Dot construction virtually eliminates core/jacket separation
- Structural-plated, pressure-formed core
- Excellent reliability and feeding in duty firearms
- Excellent performance through FBI testing protocol

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------|----------|
| 54226 | 9mm Luger | 147 | G2 | 990 |
| 53999 | 40 S&W | 180 | G2 | 1000 |
| 54256 | 45 Auto+P | 230 | G2 | 950 |



GOLD DOT® DUTY HANDGUN

- Low-flash propellant
- Exclusive Gold Dot construction virtually eliminates core/jacket separation
- Patented Gold Dot cavity-forming process uses two stages— not one—to control terminal effects and achieve high retained weights
- Core and jacket are simultaneously notched for symmetrical expansion
- Large-volume cavity increases surface area, ensuring low-velocity expansion
- Excellent performance through FBI testing protocol

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|-----------------------|----------|
| 23602GD | 25 Auto | 35 | Gold Dot Hollow Point | 900 |
| 23604GD | 32 Auto | 60 | Gold Dot Hollow Point | 960 |
| 53606 | 380 Auto | 90 | Gold Dot Hollow Point | 990 |
| 53614 | 9mm Luger | 115 | Gold Dot Hollow Point | 1210 |
| 53617 | 9mm Luger +P | 124 | Gold Dot Hollow Point | 1220 |
| 53618 | 9mm Luger | 124 | Gold Dot Hollow Point | 1150 |
| 53619 | 9mm Luger | 147 | Gold Dot Hollow Point | 990 |
| 53720 | 38 Special +P | 125 | Gold Dot Hollow Point | 945 |
| 53722 | 38 Special | 125 | Gold Dot Hollow Point | 865 |
| 53960 | 357 Magnum | 158 | Gold Dot Hollow Point | 1235 |
| 53918 | 357 SIG | 125 | Gold Dot Hollow Point | 1350 |
| 54234 | 357 SIG | 125 | Gold Dot Hollow Point | 1375 |
| 53970 | 40 S&W | 165 | Gold Dot Hollow Point | 1150 |
| 53962 | 40 S&W | 180 | Gold Dot Hollow Point | 1025 |
| 53949 | 40 S&W | 165 | Gold Dot Hollow Point | 1050 |
| 54000GD* | 10mm Auto | 200 | Gold Dot Hollow Point | 1100 |
| 23980 | 44 Special | 200 | Gold Dot Hollow Point | 875 |
| 53978 | 45 Glock A.P. | 200 | Gold Dot Hollow Point | 970 |
| 53966 | 45 Auto | 230 | Gold Dot Hollow Point | 890 |
| 53969 | 45 Auto +P | 200 | Gold Dot Hollow Point | 1080 |

* 20-round pack





GOLD DOT® SHORT BARREL HANDGUN

- Designed to expand consistently in barrels as short as 1.9 inches
- Exclusive Gold Dot® construction virtually eliminates core/jacket separation
- Reliable expansion and performance at a variety of distances and velocities

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|------------------------------------|----------|
| 954 | 22 WMR | 40 | Gold Dot Hollow Point Short Barrel | 1050 |
| 23611GD | 9mm Luger +P | 124 | Gold Dot Hollow Point Short Barrel | 1150 |
| 53921 | 38 Special +P | 135 | Gold Dot Hollow Point Short Barrel | 860 |
| 23917GD | 357 Magnum | 135 | Gold Dot Hollow Point Short Barrel | 990 |
| 23974GD | 40 S&W | 180 | Gold Dot Hollow Point Short Barrel | 950 |
| 23975GD | 45 Auto | 230 | Gold Dot Hollow Point Short Barrel | 820 |

SPEER® DUTY HANDGUN

| CARTRIDGE | BULLET WT, GR | BULLET TYPE | TEST BARREL LOAD NO. | TEST BARREL LENGTH, INCHES | MUZZLE | VELOCITY (FPS) | | | | ENERGY (FT-LBS) | | | | TRAJECTORY (IN) | | | | |
|---|---------------|-------------|----------------------|----------------------------|--------|----------------|--------|--------|---------|-----------------|--------|--------|--------|-----------------|--------|--------|--------|---------|
| | | | | | | 25 YDS | 50 YDS | 75 YDS | 100 YDS | MUZZLE | 25 YDS | 50 YDS | 75 YDS | 100 YDS | 25 YDS | 50 YDS | 75 YDS | 100 YDS |
| SPEER® LE GOLD DOT® G2® HANDGUN | | | | | | | | | | | | | | | | | | |
| 9mm | 147 | G2 | 54226 | 4 | 990 | 959 | 932 | 906 | 883 | 320 | 300 | 283 | 268 | 255 | ⊕ | -1.5 | -5.4 | -12.0 |
| 40 S&W | 180 | G2 | 53999 | 4 | 1000 | 968 | 940 | 914 | 890 | 400 | 374 | 353 | 334 | 317 | ⊕ | -1.4 | -5.3 | -11.8 |
| 45 Auto +P | 230 | G2 | 54256 | 5 | 950 | 923 | 899 | 876 | 855 | 461 | 435 | 412 | 392 | 373 | ⊕ | -1.7 | -6.0 | -13.1 |
| SPEER® LE GOLD DOT® DUTY HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 25 Auto | 35 | GDHP | 23602 | 2 | 900 | 863 | 830 | 799 | 770 | 63 | 58 | 54 | 50 | 46 | ⊕ | -2 | -7.2 | -15.7 |
| 32 Auto | 60 | GDHP | 23604 | 4 | 960 | 925 | 894 | 866 | 840 | 123 | 114 | 107 | 100 | 94 | ⊕ | -1.6 | -6 | -13.2 |
| 380 Auto | 90 | GDHP | 53606 | 3.75 | 1040 | 987 | 943 | 905 | 871 | 216 | 194 | 178 | 164 | 152 | ⊕ | -1.3 | -5.1 | -11.5 |
| 9mm Luger +P | 124 | GDHP | 53617 | 4 | 1220 | 1146 | 1085 | 1036 | 996 | 410 | 362 | 324 | 296 | 273 | ⊕ | -0.8 | -3.3 | -8 |
| 9mm Luger | 115 | GDHP | 53614 | 4 | 1210 | 1133 | 1071 | 1022 | 981 | 374 | 328 | 293 | 267 | 246 | ⊕ | -0.8 | -3.5 | -8.2 |
| | 124 | GDHP | 53618 | 4 | 1150 | 1089 | 1039 | 998 | 963 | 364 | 326 | 297 | 274 | 255 | ⊕ | -0.9 | -3.9 | -9 |
| | 147 | GDHP | 53619 | 4 | 990 | 962 | 936 | 913 | 891 | 320 | 302 | 286 | 272 | 259 | ⊕ | -1.5 | -5.4 | -11.9 |
| 38 Special | 125 | GDHP | 53722 | 4 VB | 865 | 843 | 822 | 803 | 784 | 208 | 197 | 188 | 179 | 170 | ⊕ | -2.2 | -7.5 | -16.2 |
| 38 Special +P | 125 | GDHP | 53720 | 4 VB | 945 | 917 | 892 | 868 | 846 | 248 | 233 | 221 | 209 | 199 | ⊕ | -1.7 | -6.1 | -13.4 |
| | 158 | GDHP | 53960 | 4 VB | 1235 | 1173 | 1119 | 1074 | 1036 | 535 | 483 | 440 | 405 | 377 | ⊕ | -0.7 | -3.1 | -7.4 |
| 357 SIG | 125 | GDHP | 53918 | 4 | 1350 | 1261 | 1184 | 1119 | 1066 | 506 | 441 | 389 | 348 | 316 | ⊕ | -0.5 | -2.5 | -6.2 |
| | 125 | GDHP | 54234 | 4 | 1375 | 1283 | 1203 | 1135 | 1079 | 525 | 457 | 402 | 358 | 323 | ⊕ | -0.4 | -2.3 | -5.9 |
| 40 S&W | 165 | GDHP | 53970 | 4 | 1150 | 1090 | 1042 | 1001 | 967 | 484 | 436 | 398 | 367 | 342 | ⊕ | -0.9 | -3.9 | -8.9 |
| | 180 | GDHP | 53962 | 4 | 1025 | 988 | 956 | 928 | 902 | 420 | 390 | 365 | 344 | 325 | ⊕ | -1.3 | -5 | -11.2 |
| | 165 | GDHP | 53949 | 4 | 1050 | 1008 | 973 | 941 | 913 | 404 | 372 | 347 | 325 | 305 | ⊕ | -1.2 | -4.8 | -10.8 |
| 10mm Auto | 200 | GDHP | 54000GD | 5 | 1100 | 1028 | 972 | 927 | 887 | 537 | 469 | 420 | 381 | 350 | ⊕ | -1.3 | -4.7 | -10.2 |
| 44 Special | 200 | GDHP | 23980 | 6 | 875 | 853 | 832 | 813 | 794 | 340 | 323 | 308 | 293 | 280 | ⊕ | -2.1 | -7.3 | -15.8 |
| 45 G.A.P. | 200 | GDHP | 53978 | 5 | 970 | 939 | 911 | 886 | 862 | 418 | 392 | 369 | 348 | 330 | ⊕ | -1.6 | -5.7 | -12.7 |
| 45 Auto | 230 | GDHP | 53966 | 5 | 890 | 867 | 845 | 824 | 805 | 404 | 384 | 365 | 347 | 331 | ⊕ | -2 | -7.1 | -15.3 |
| 45 Auto +P | 200 | GDHP | 53969 | 5 | 1080 | 1033 | 994 | 960 | 930 | 518 | 474 | 439 | 409 | 384 | ⊕ | -1.1 | -4.5 | -10.2 |
| SPEER® LE GOLD DOT® SHORT BARREL® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 22 Win. Magnum | 40 | GDHP/SB | 954 | 1.9 | 1050 | 1001 | 961 | 926 | 894 | 98 | 89 | 82 | 76 | 71 | ⊕ | -1.3 | -4.9 | -11.0 |
| 9mm Luger +P | 124 | GDHP/SB | 23611 | 3.5 | 1150 | 1089 | 1039 | 998 | 963 | 364 | 326 | 297 | 274 | 255 | ⊕ | -0.9 | -3.9 | -9 |
| 38 Special +P | 135 | GDHP/SB | 53921 | 2 VB | 860 | 838 | 818 | 798 | 780 | 222 | 211 | 200 | 191 | 182 | ⊕ | -2.2 | -7.6 | -16.4 |
| 357 Magnum | 135 | GDHP/SB | 23917 | 2 VB | 990 | 957 | 928 | 902 | 877 | 294 | 275 | 258 | 244 | 231 | ⊕ | -1.5 | -5.5 | -12.1 |
| 40 S&W | 180 | GDHP/SB | 23974 | 3.5 | 950 | 923 | 898 | 875 | 854 | 361 | 340 | 322 | 306 | 291 | ⊕ | -1.7 | -6 | -13.2 |
| 45 Auto | 230 | GDHP/SB | 23975 | 4 | 820 | 801 | 783 | 766 | 749 | 343 | 328 | 313 | 300 | 287 | ⊕ | -2.5 | -8.5 | -18.3 |

DUTY RIFLE

GOLD DOT® DUTY RIFLE

- Exclusive Gold Dot construction virtually eliminates core/jacket separation
- Flash-suppressed propellants and a muzzle velocity of up to 3220 fps
- Jacket-to-core bonding ensures impressive weight retention through barriers as tough as auto glass
- Reliable feeding in AR platforms with standard or short barrels

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|---------------------|----------|
| 24446 | 223 Rem. | 55 | Gold Dot Soft Point | 3220 |
| 24445SP | 223 Rem. | 62 | Gold Dot Soft Point | 3000 |
| 24475 | 223 Rem. | 75 | Gold Dot Soft Point | 2775 |
| 24457 | 308 Win. | 150 | Gold Dot Soft Point | 2820 |
| 24458 | 308 Win. | 168 | Gold Dot Soft Point | 2650 |

SPEER® LE



SPEER® DUTY RIFLE

| CARTRIDGE | BULLET WT, GR | BULLET TYPE | LOAD NO. | TEST BARREL LENGTH, INCHES | MUZZLE | VELOCITY (FPS) | | | MUZZLE | ENERGY (FT-LBS) | | | TRAJECTORY | | | |
|--|---------------|-------------|----------|----------------------------|--------|----------------|---------|---------|--------|-----------------|---------|---------|------------|---------|---------|---------|
| | | | | | | 100 YDS | 200 YDS | 300 YDS | | 100 YDS | 200 YDS | 300 YDS | 50 YDS | 100 YDS | 200 YDS | 300 YDS |
| SPEER® LE GOLD DOT® DUTY RIFLE AMMUNITION | | | | | | | | | | | | | | | | |
| 223 Rem. | 55 | GDSP | 24446 | 24 | 3220 | 2782 | 2383 | 2019 | 1266 | 945 | 694 | 498 | -0.3 | ⊕ | -3 | -12.2 |
| 223 Rem. | 62 | GDSP | 24445SP | 24 | 3000 | 2654 | 2333 | 2035 | 1279 | 1001 | 773 | 588 | -0.2 | ⊕ | -3.4 | -13.3 |
| 223 Rem. | 75 | GDSP | 24475 | 24 | 2775 | 2550 | 2336 | 2132 | 1282 | 1083 | 908 | 757 | -0.1 | ⊕ | -3.8 | -14.1 |
| 308 Win. | 150 | GDSP | 24457 | 24 | 2820 | 2600 | 2391 | 2191 | 2648 | 2252 | 1903 | 1599 | -0.2 | ⊕ | -3.6 | -13.4 |
| 308 Win. | 168 | GDSP | 24458 | 24 | 2650 | 2453 | 2265 | 2085 | 2619 | 2244 | 1913 | 1621 | -0.1 | ⊕ | -4.3 | -15.4 |

GDSP—Gold Dot Soft Point.

*—Bullet path in inches relative to line of sight when sighted for 25 yards (sight height 0.9 inch above centerline of bore). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only. All products are 50 rounds per box except 25 Auto, 32 Auto, and 44 Special, which are 20 rounds per box. GDHP—Gold Dot Hollow Point, GDG2—Gold Dot G2, SB—Short Barrel, VB—Vented test barrel simulating revolver performance, LP—Limited Penetration. †—9mm Luger +P+ ammunition is loaded on request for special LE application. Pressures are as much as 22 greater than industry standards. Purchasers must be able to affirm that +P+ ammunition is for law enforcement/government use only. SB—Short Barrel; bullet design optimized for compact firearms; 357 and 44 Magnum feature reduced recoil compared to standard loads.



LAWMAN® TMJ® HANDGUN

- Delivers the ballistic equivalent of Gold Dot® Duty loads at a fraction of the cost for training
- High-value brass cases, CCI® primers and Speer® TMJ bullets
- Tight groups and consistent pressure and velocity

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|----------------|----------|
| 53608 | 380 Auto | 95 | TMJ Round Nose | 950 |
| 53650 | 9mm Luger | 115 | TMJ Round Nose | 1200 |
| 53651 | 9mm Luger | 124 | TMJ Round Nose | 1090 |
| 53620 | 9mm Luger | 147 | TMJ Flat Nose | 985 |
| 53733 | 38 Special | 125 | TMJ Flat Nose | 865 |
| 53750 | 38 Special +P | 158 | TMJ Flat Nose | 900 |
| 53919 | 357 SIG | 125 | TMJ Flat Nose | 1325 |
| 53955 | 40 S&W | 165 | TMJ Flat Nose | 1150 |
| 53981 | 40 S&W | 165 | TMJ Flat Nose | 1050 |
| 53652 | 40 S&W | 180 | TMJ Flat Nose | 1000 |
| 53979 | 45 Glock A.P. | 185 | TMJ Flat Nose | 1060 |
| 53980 | 45 Glock A.P. | 200 | TMJ Flat Nose | 990 |
| 53653 | 45 Auto | 230 | TMJ Round Nose | 830 |

LAWMAN® CLEAN-FIRE®
TMJ® HANDGUN

- Clean-Fire primers virtually eliminate airborne lead, barium and antimony at the firing point
- Electro-chemically applied jacket completely surrounds the core
- Delivers the same accuracy as standard ammunition

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|----------------|----------|
| 53824 | 9mm Luger | 124 | TMJ Round Nose | 1090 |
| 53826 | 9mm Luger | 147 | TMJ Flat Nose | 985 |
| 53833 | 38 Special +P | 158 | TMJ Flat Nose | 900 |
| 54232 | 357 SIG | 125 | TMJ Flat Nose | 1350 |
| 53880 | 40 S&W | 180 | TMJ Flat Nose | 1000 |
| 53982 | 40 S&W | 165 | TMJ Flat Nose | 1050 |
| 53885 | 45 Auto | 230 | TMJ Round Nose | 845 |



TRAINING HANDGUN

SPEER® LE

LAWMAN® RHT® HANDGUN

- Improves air quality in indoor ranges
- Reduces bullet bounce-back
- Precision-formed lead-free sintered bullets crumble on impact with a metal backstop
- Loaded with CCI® Clean-Fire® primers free of lead, barium and antimony
- Bullet nose is distinctly marked so it can be distinguished from conventional ammunition



| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|-----------|-------|-------------------------|----------|
| 53365 | 9mm Luger | 100 | Reduced Hazard Training | 1270 |
| 53368 | 357 SIG | 100 | Reduced Hazard Training | 1450 |
| 53375 | 40 S&W | 125 | Reduced Hazard Training | 1300 |
| 53395 | 45 Auto | 155 | Reduced Hazard Training | 1125 |

SPEER® TRAINING HANDGUN

| CARTRIDGE | BULLET WT, GR | BULLET TYPE | TEST BARREL LOAD NO. | BULLET LENGTH, INCHES | MUZZLE | VELOCITY (FPS) | | | | ENERGY (FT-LBS) | | | | TRAJECTORY | | | | |
|---|---------------|-------------|----------------------|-----------------------|--------|----------------|--------|--------|---------|-----------------|--------|--------|--------|------------|--------|--------|--------|---------|
| | | | | | | 25 YDS | 50 YDS | 75 YDS | 100 YDS | MUZZLE | 25 YDS | 50 YDS | 75 YDS | 100 YDS | 25 YDS | 50 YDS | 75 YDS | 100 YDS |
| SPEER® LAWMAN® TMJ® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 380 Auto | 95 | TMJ RN | 53608 | 3.75 | 950 | 920 | 892 | 867 | 843 | 190 | 178 | 168 | 158 | 150 | ⊕ | -1.7 | -6 | -13.4 |
| 9mm Luger | 115 | TMJ RN | 53650 | 4 | 1200 | 1145 | 1098 | 1059 | 1024 | 368 | 335 | 308 | 286 | 268 | ⊕ | -0.8 | -3.3 | -7.8 |
| | 124 | TMJ RN | 53651 | 4 | 1090 | 1047 | 1011 | 979 | 951 | 327 | 302 | 281 | 264 | 249 | ⊕ | -1.1 | -4.3 | -9.7 |
| | 147 | TMJ FN | 53620 | 4 | 985 | 957 | 932 | 909 | 888 | 317 | 299 | 284 | 270 | 257 | ⊕ | -1.5 | -5.5 | -12 |
| 38 Special | 125 | TMJ FN | 53733 | 4 VB | 865 | 844 | 824 | 804 | 786 | 208 | 198 | 188 | 180 | 172 | ⊕ | -2.2 | -7.5 | -16.2 |
| 38 Special +P | 158 | TMJ FN | 53750 | 4 VB | 900 | 880 | 861 | 844 | 826 | 284 | 272 | 260 | 250 | 240 | ⊕ | -1.9 | -9.8 | -14.7 |
| 357 SIG | 125 | TMJ FN | 53919 | 4 | 1325 | 1242 | 1171 | 1111 | 1061 | 487 | 428 | 380 | 342 | 313 | ⊕ | -0.5 | -2.6 | -6.5 |
| 40 S&W | 165 | TMJ FN | 53955 | 4 | 1150 | 1089 | 1040 | 999 | 964 | 484 | 435 | 396 | 365 | 340 | ⊕ | -0.9 | -3.9 | -9.0 |
| | 165 | TMJ FN | 53981 | 4 | 1050 | 1007 | 971 | 939 | 911 | 404 | 372 | 345 | 323 | 304 | ⊕ | -1.2 | -4.8 | -10.8 |
| | 180 | TMJ FN | 53652 | 4 | 1000 | 967 | 937 | 910 | 885 | 400 | 373 | 351 | 331 | 313 | ⊕ | -1.4 | -5.3 | -11.8 |
| 45 G.A.P. | 185 | TMJ FN | 53979 | 4 | 1060 | 999 | 950 | 908 | 872 | 462 | 410 | 370 | 339 | 312 | ⊕ | -1.3 | -5 | -11.2 |
| | 200 | TMJ FN | 53980 | 4 | 990 | 946 | 908 | 874 | 843 | 435 | 397 | 366 | 339 | 316 | ⊕ | -1.5 | -5.7 | -12.7 |
| | 230 | TMJ RN | 53653 | 5 | 830 | 811 | 794 | 777 | 760 | 352 | 336 | 322 | 308 | 295 | ⊕ | -2.4 | -8.2 | -17.7 |
| SPEER® LAWMAN® CLEAN-FIRE® TMJ® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 124 | TMJ RN | 53824 | 4 | 1090 | 1052 | 1019 | 991 | 965 | 327 | 305 | 286 | 270 | 256 | ⊕ | -1.1 | -4.2 | -9.6 |
| | 147 | TMJ FN | 53826 | 4 | 985 | 957 | 932 | 909 | 888 | 317 | 299 | 284 | 270 | 257 | ⊕ | -1.5 | -5.5 | -12 |
| 38 Special +P | 158 | TMJ FN | 53833 | 4 VB | 900 | 880 | 861 | 844 | 826 | 284 | 272 | 260 | 250 | 240 | ⊕ | -1.9 | -6.8 | -14.7 |
| 357 SIG | 125 | TMJ FN | 54232 | 4 | 1350 | 1264 | 1190 | 1126 | 1074 | 506 | 444 | 393 | 352 | 320 | ⊕ | -0.5 | -2.5 | -6.2 |
| 40 S&W | 180 | TMJ FN | 53880 | 4 | 1000 | 967 | 937 | 910 | 885 | 400 | 373 | 351 | 331 | 313 | ⊕ | -1.4 | -5.3 | -11.8 |
| | 165 | TMJ FN | 53982 | 4 | 1050 | 1007 | 971 | 939 | 911 | 404 | 372 | 345 | 323 | 304 | ⊕ | -1.2 | -4.8 | -10.8 |
| 45 Auto | 230 | TMJ RN | 53885 | 5 | 845 | 826 | 807 | 790 | 773 | 365 | 348 | 333 | 318 | 305 | ⊕ | -2.3 | -7.9 | -16.9 |
| SPEER® LAWMAN® RHT® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 100 | RHT | 53365 | 4 | 1270 | 1180 | 1106 | 1048 | 1002 | 358 | 309 | 272 | 244 | 223 | ⊕ | -0.7 | -3.1 | -7.5 |
| 357 SIG | 100 | RHT | 53368 | 4 | 1450 | 1336 | 1235 | 1151 | 1084 | 467 | 396 | 339 | 294 | 261 | ⊕ | -0.3 | -2.1 | -5.4 |
| 40 S&W | 125 | RHT | 53375 | 4 | 1300 | 1176 | 1082 | 1013 | 959 | 469 | 384 | 325 | 285 | 255 | ⊕ | -0.7 | -3.2 | -7.8 |
| 45 Auto | 155 | RHT | 53395 | 5 | 1125 | 1058 | 1005 | 961 | 924 | 436 | 385 | 348 | 318 | 294 | ⊕ | -1 | -4.2 | -9.8 |

*—Path in inches relative to line of sight (handgun sight height 0.9 inch above centerline of bore; rifle sight height 1.5 inches). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only. All products are 50 rounds per box except 223 Rem, which is 20 rounds per box. †—Performs well in snub nose revolvers. TMJ—Encased Core Full Jacket, FN—Flat Nose, RN—Round Nose, VB—Vented test barrel simulating revolver performance.



HANDGUN

BLAZER® BRASS

- New 9mm Luger 147-grain option better aligns with popular duty loads
- Reloadable brass cases
- Accurate FMJ bullet
- Clean, reliable CCI® primer

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|------------|-------|-----------------------|----------|
| 5200 | 9mm Luger | 115 | FMJ Round Nose | 1145 |
| 5201 | 9mm Luger | 124 | FMJ Round Nose | 1090 |
| 5203 | 9mm Luger | 147 | FMJ Round Nose | 990 |
| 5202 | 380 Auto | 95 | FMJ Round Nose | 945 |
| 5204 | 38 Special | 125 | FMJ Flat Nose | 865 |
| 5207 | 357 Magnum | 158 | Jacketed Hollow Point | 1250 |
| 5210 | 40 S&W | 165 | FMJ Flat Nose | 1050 |
| 5220 | 40 S&W | 180 | FMJ Flat Nose | 985 |
| 5230 | 45 Auto | 230 | FMJ Round Nose | 830 |

ALUMINUM

- Heat-treated, aircraft-grade aluminum cases
- Loaded with quality bullets and reliable primers
- Affordably priced for practice shooting
- Delivers the same accuracy as standard ammunition

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|------------------------------|----------|
| 3501 | 25 Auto | 50 | TMJ Round Nose | 755 |
| 3503 | 32 Auto | 71 | TMJ Round Nose | 900 |
| 3505 | 380 Auto | 95 | TMJ Round Nose | 945 |
| 3509 | 9mm Luger | 115 | Full Metal Jacket Round Nose | 1145 |
| 3578 | 9mm Luger | 124 | Full Metal Jacket Flat Nose | 1090 |
| 3522 | 38 Special | 158 | Lead Round Nose | 755 |
| 3514 | 38 Special +P | 125 | Jacketed Hollow Point | 945 |
| 3519 | 38 Special +P | 158 | TMJ Flat Nose | 850 |
| 3542 | 357 Magnum | 158 | Jacketed Hollow Point | 1150 |
| 3589 | 40 S&W | 165 | TMJ Flat Nose | 1100 |
| 3591 | 40 S&W | 180 | Full Metal Jacket | 1000 |
| 3597 | 10mm Auto | 200 | TMJ Flat Nose | 1050 |
| 3556 | 44 Special | 200 | Jacketed Hollow Point | 920 |
| 3570 | 45 Auto | 230 | Full Metal Jacket | 845 |
| 3584 | 45 Colt | 200 | Jacketed Hollow Point | 1000 |

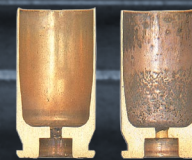
HANDGUN

BLAZER®

CLEAN-FIRE®

- Designed for indoor ranges
- Clean-Fire primers virtually eliminate airborne lead, barium and antimony at the firing point
- Loaded with Speer® TMJ® bullets
- Realistic recoil and point-of-impact

| Part Number | Cartridge | Grain | Bullet Type | Velocity |
|-------------|---------------|-------|----------------|----------|
| 3460 | 9mm Luger | 124 | TMJ Round Nose | 1090 |
| 3462 | 9mm Luger | 147 | TMJ Flat Nose | 950 |
| 3475 | 38 Special +P | 158 | TMJ Flat Nose | 850 |
| 3477 | 40 S&W | 180 | TMJ Flat Nose | 1000 |
| 3480 | 45 Auto | 230 | TMJ Round Nose | 845 |



Spent Clean-Fire cases (left) look almost unfired compared to conventionally primed ammunition (right).

BLAZER® TRAINING HANDGUN

| CARTRIDGE | BULLET WT, GR | BULLET TYPE | LOAD NO. | TEST BARREL LENGTH, INCHES | MUZZLE VELOCITY (FPS) | VELOCITY (FPS) | | | | ENERGY (FT-LBS) | | | | TRAJECTORY | | | | |
|---|---------------|-------------|----------|----------------------------|-----------------------|----------------|--------|--------|---------|-----------------|--------|--------|--------|------------|--------|--------|--------|---------|
| | | | | | | 25 YDS | 50 YDS | 75 YDS | 100 YDS | MUZZLE | 25 YDS | 50 YDS | 75 YDS | 100 YDS | 25 YDS | 50 YDS | 75 YDS | 100 YDS |
| BLAZER® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 25 Auto | 50 | TMJ RN | 3501 | 2 | 755 | ⊕ | 712 | ⊕ | 673 | 63 | ⊕ | 56 | ⊕ | 50 | ⊕ | ⊕ | -5.8 | -16.1 |
| 32 Auto | 71 | TMJ RN | 3503 | 4 | 900 | ⊕ | 838 | ⊕ | 785 | 128 | ⊕ | 111 | ⊕ | 97 | ⊕ | ⊕ | -4.1 | -11.4 |
| 380 Auto | 95 | TMJ RN | 3505 | 3.75 | 945 | ⊕ | 888 | ⊕ | 839 | 188 | ⊕ | 166 | ⊕ | 149 | ⊕ | ⊕ | -3.6 | -10.1 |
| 9mm Luger | 115 | FMJ RN | 3509 | 4 | 1145 | ⊕ | 1058 | ⊕ | 994 | 335 | ⊕ | 286 | ⊕ | 252 | ⊕ | ⊕ | -2.4 | -6.8 |
| 9mm Luger | 124 | FMJ RN | 3578 | 4 | 1090 | ⊕ | 1019 | ⊕ | 965 | 327 | ⊕ | 286 | ⊕ | 256 | ⊕ | ⊕ | -2.6 | -7.4 |
| 9mm Luger | 147 | TMJ FN | 3582 | 4 | 950 | ⊕ | 903 | ⊕ | 862 | 295 | ⊕ | 266 | ⊕ | 243 | ⊕ | ⊕ | -3.5 | -9.7 |
| 38 Special | 158 | LRN | 3522 | 4-V | 755 | ⊕ | 728 | ⊕ | 702 | 200 | ⊕ | 186 | ⊕ | 173 | ⊕ | ⊕ | -5.6 | -15.5 |
| 38 Special +P | 125 | JHP | 3514 | 4V | 945 | ⊕ | 892 | ⊕ | 846 | 248 | ⊕ | 221 | ⊕ | 199 | ⊕ | ⊕ | -3.6 | -10 |
| 38 Special +P | 158 | TMJ FN | 3519 | 4V | 850 | ⊕ | 816 | ⊕ | 785 | 253 | ⊕ | 234 | ⊕ | 216 | ⊕ | ⊕ | -4.3 | -12.1 |
| 357 Magnum | 158 | JHP | 3542 | 4V | 1150 | ⊕ | 1058 | ⊕ | 991 | 464 | ⊕ | 393 | ⊕ | 344 | ⊕ | ⊕ | -2.4 | -6.8 |
| 40 S&W | 165 | TMJ FN | 3589 | 4 | 1100 | ⊕ | 1006 | ⊕ | 938 | 443 | ⊕ | 371 | ⊕ | 323 | ⊕ | ⊕ | -2.7 | -7.7 |
| 40 S&W | 180 | FMJ | 3591 | 4 | 1000 | ⊕ | 937 | ⊕ | 885 | 400 | ⊕ | 351 | ⊕ | 313 | ⊕ | ⊕ | -3.2 | -9 |
| 10mm Auto | 200 | TMJ FN | 3597 | 5 | 1050 | ⊕ | 985 | ⊕ | 933 | 490 | ⊕ | 431 | ⊕ | 387 | ⊕ | ⊕ | -2.8 | -8.1 |
| 44 Special | 200 | JHP | 3556 | 5 | 920 | ⊕ | 872 | ⊕ | 829 | 376 | ⊕ | 337 | ⊕ | 305 | ⊕ | ⊕ | -3.8 | -10.6 |
| 45 Auto | 230 | FMJ | 3570 | 5 | 845 | ⊕ | 807 | ⊕ | 773 | 365 | ⊕ | 333 | ⊕ | 305 | ⊕ | ⊕ | -4.4 | -12.4 |
| 45 Colt | 200 | JHP | 3584 | 7.15 | 1000 | ⊕ | 935 | ⊕ | 882 | 444 | ⊕ | 388 | ⊕ | 345 | ⊕ | ⊕ | -3.2 | -9 |
| BLAZER® CLEAN-FIRE® HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 124 | TMJ RN | 3460 | 4 | 1090 | ⊕ | 1019 | ⊕ | 965 | 327 | ⊕ | 286 | ⊕ | 216 | ⊕ | ⊕ | -4.3 | -12.1 |
| 9mm Luger | 147 | TMJ FN | 3462 | 4 | 985 | ⊕ | 938 | ⊕ | 898 | 317 | ⊕ | 287 | ⊕ | 263 | ⊕ | ⊕ | -3.2 | -9 |
| 38 Special +P | 158 | TMJ FN | 3475 | 4V | 850 | ⊕ | 816 | ⊕ | 785 | 253 | ⊕ | 234 | ⊕ | 216 | ⊕ | ⊕ | -4.3 | -12.1 |
| 40 S&W | 180 | TMJ FN | 3477 | 4 | 1000 | ⊕ | 937 | ⊕ | 885 | 400 | ⊕ | 351 | ⊕ | 313 | ⊕ | ⊕ | -3.2 | -9 |
| 45 Auto | 230 | TMJ RN | 3480 | 5 | 845 | ⊕ | 807 | ⊕ | 773 | 365 | ⊕ | 333 | ⊕ | 305 | ⊕ | ⊕ | -4.4 | -12.4 |
| BLAZER® BRASS HANDGUN AMMUNITION | | | | | | | | | | | | | | | | | | |
| 9mm Luger | 115 | FMJ RN | 5200 | 4 | 1145 | ⊕ | 1046 | ⊕ | 975 | 323 | ⊕ | 278 | ⊕ | 247 | ⊕ | ⊕ | -3.8 | -8.9 |
| 9mm Luger | 124 | FMJ RN | 5201 | 4 | 1090 | ⊕ | 1014 | ⊕ | 955 | 327 | ⊕ | 283 | ⊕ | 251 | ⊕ | ⊕ | -4.3 | -9.7 |
| 9mm Luger | 147 | FMJ RN | 5203 | 4 | 990 | ⊕ | 936 | ⊕ | 891 | 320 | ⊕ | 286 | ⊕ | 259 | ⊕ | ⊕ | -5.4 | -11.9 |
| 380 Auto | 95 | FMJ RN | 5202 | 3.75 | 945 | ⊕ | 888 | ⊕ | 839 | 188 | ⊕ | 166 | ⊕ | 149 | ⊕ | ⊕ | -6.1 | -13.5 |
| 38 Special | 125 | FMJ FN | 5204 | 4 VB | 865 | ⊕ | 824 | ⊕ | 786 | 208 | ⊕ | 188 | ⊕ | 172 | ⊕ | ⊕ | -7.5 | -16.2 |
| 357 Magnum | 158 | JHP | 5207 | 4 VB | 1250 | ⊕ | 1130 | ⊕ | 1044 | 548 | ⊕ | 448 | ⊕ | 382 | ⊕ | ⊕ | -2.6 | -6.6 |
| 40 S&W | 165 | FMJ FN | 5210 | 4 | 1050 | ⊕ | 971 | ⊕ | 911 | 404 | ⊕ | 345 | ⊕ | 304 | ⊕ | ⊕ | -4.3 | -9.8 |
| 40 S&W | 180 | TMJ FN | 5220 | 4 | 985 | ⊕ | 935 | ⊕ | 875 | 388 | ⊕ | 350 | ⊕ | 306 | ⊕ | ⊕ | -5.2 | -11.8 |
| 45 Auto | 230 | FMJ RN | 5230 | 5 | 830 | ⊕ | 794 | ⊕ | 760 | 352 | ⊕ | 322 | ⊕ | 2 | ⊕ | ⊕ | -8.2 | -17.5 |

*—Path in inches relative to line of sight when sighted for 25 yards (sight height 0.9 inch above centerline of bore). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only. All products are 50 rounds per box. TMJ—Encased Core Full Jacket, FN—Flat Nose, RN—Round Nose, JHP—Jacketed Hollow Point, LWC—Lead Wadcutter, LRN—Lead Round Nose, VB—Vented test barrel simulating revolver performance.



9MM MARKER ROUNDS

- No smoke or odor
- Lead-free
- Safe 1-foot stand-off
- Superior marking
- Robust function
- Minimal barrel fouling

| Part Number | Description |
|-------------|-------------|
| FF9B2 | Blue |
| FF9G2 | Green |
| FF9R2 | Red |
| FF9W2 | White |
| FF9Y2 | Yellow |
| FF9O2 | Orange |



9MM NON-MARKING ROUNDS

- Identical performance to Force On Force™ Marker Rounds
- Eliminates cleanup
- Increases options for training sites
- Non-lethal and lead-free

| Part Number | Description |
|-------------|------------------------|
| FF9NM2 | 9mm Non-Marking Rounds |



9MM BLANK ROUNDS

- One-foot safety standoff distance
- Deliver only the proper noise needed for a variety of training scenarios
- Non-lethal and lead-free

| Part Number | Description |
|-------------|---|
| FF9BLK2 | 9mm Blank Rounds |
| FF9BLK2BK | 9mm Blank Rounds (500 Round Bulk Pack) |

TRAINING

FORCE ON FORCE™

5.56MM MARKER ROUNDS

- Safe 1-foot stand-off
- Superior marking
- Requires only a change in the bolt carrier group to function in standard firearms
- Copper driving band engages rifling
- Consistent results in all barrel lengths
- 450 fps average velocity

| Part Number | Description |
|-------------|-------------|
| FF556B1 | Blue |
| FF556G1 | Green |
| FF556R1 | Red |
| FF556W1 | White |
| FF556Y1 | Yellow |
| FF556O1 | Orange |



5.56MM NON-MARKING ROUNDS

- Identical performance to Force On Force™ Marker Rounds
- Eliminates cleanup
- Increases options for training sites
- Non-lethal and lead-free

| Part Number | Description |
|-------------|---------------------------|
| FF556NM1 | 5.56mm Non-Marking Rounds |



5.56MM BLANK ROUNDS

- One-foot safety standoff distance
- Deliver only the proper noise needed for a variety of training scenarios
- Non-lethal and lead-free

| Part Number | Description |
|-------------|---|
| FF556BLK1BK | 5.56mm Blank Rounds (500 Round Bulk Pack) |





TRAINING

5.56MM BOLT CONVERSION KIT

- Converts M16/AR-15/M4 rifles into effective training weapons
- Fires Force On Force™ 5.56mm Marker Rounds
- Doesn't interfere with on-gun accessories
- Prevents firing standard, lethal ammunition

| Part Number | Description |
|-------------|----------------------------|
| FF556BCG | 5.56mm Bolt Conversion Kit |

DEDICATED TRAINING MAGAZINE

- Dedicated Force on Force™ 30-round magazine is marked "Force On Force Only"
- Translucent body allows users to see and verify that only non-lethal rounds are loaded
- Easily identifiable as training magazine with blue follower and base
- Magazine opening prevents the loading of live ammunition

| Part Number | Description |
|-------------|-----------------------------|
| FFMAG2 | Dedicated Training Magazine |



PROTECTIVE GEAR

GROIN PROTECTOR

- Durable, contour-sewn padding
- Adjustable belt and leg straps
- Design doesn't restrict movement
- Internal pocket allows additional padding
- Marking agent quickly and easily washes off
- Machine-washable
- Mandatory equipment for scenario-based training

| Part Number | Description |
|-------------|-----------------|
| FFGNP1 | Groin Protector |

NECK ARMOR

- Thick padding protects the neck and throat
- Lightweight, durable material
 - Stain-resistant for easy clean-up
 - Adjustable hook-and-loop strap for secure fit
 - Mandatory for use with all Force On Force helmets

| Part Number | Description |
|-------------|-------------|
| FFNK2 | Neck Armor |

FORCE ON FORCE™



Check out
le.vistaoutdoor.com
and **forceonforce.com**
for more great information

