



**FEDERAL
PREMIUM®**
LAW ENFORCEMENT
AMMUNITION



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LAW ENFORCEMENT AMMUNITION & ACCESSORIES

2018



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DUTY HANDGUN

**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

**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

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

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



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
AE45N1	45 Auto	230	TMJ	850



American Eagle® Syntech®

- 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
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



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



DUTY RIFLE

**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

**Tactical® TRU®**

- Match-grade accuracy
- Tactical Ballistic Tip and Tactical MatchKing provide extreme terminal performance while minimizing the risk of overpenetration
- Specifically designed for use in variants of the M-16 or AR-15
- Low-flash powders and crimped primers
- TRU bullets range from limited-penetration designs for tactical entry to bullets 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
T308T	308 Win.	168	Tactical MatchKing®	2650



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
GM65GDLBH130	6.5 Grendel	130	Berger Hybrid OTM	2400
GM6CRDBH1	6mm Creedmoor	105	Berger Hybrid	3025 NEW
GM65CRDBH130	6.5 Creedmoor	130	Hybrid OTM	2875
GM65CRD1	6.5 Creedmoor	140	Sierra MatchKing Boat-Tail Hollow Point	2675 NEW
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
GM338LM	338 Lapua Magnum	250	Sierra MatchKing Boat-Tail Hollow Point	2950
GM338LM2	338 Lapua Magnum	300	Sierra MatchKing Boat-Tail Hollow Point	2580



TRAINING RIFLE

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

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



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
AE30CB	30 Carbine	110	Full Metal Jacket	1990
A76239A	7.62x39mm Soviet	124	Full Metal Jacket	2300
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
AE223T75	223 Rem.	75	Full Metal Jacket	2775 NEW



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
- Deep Penetrator slug's (LEB127 DPRS) hardness ensures better terminal performance
- 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

Deep Penetrator Rifled Slug

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

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

**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
LE132 1B*	12	2 3/4	15 Pellets	1 Buck	1100
LE133 00*	12	2 3/4	8 Pellets	00 Buck	1145

*Reduced Recoil



Vital•Shok® 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 4B	12	2 3/4	34 Pellets	4 Buck	1250
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

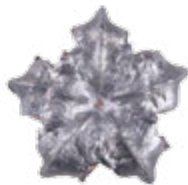
Part Number	Gauge	Inches	Payload	Shot	Velocity
F130 00	12	2 3/4	12 Pellets	00 Buck	1290
F127 000	12	2 3/4	8 Pellets	000 Buck	1325
F127 00	12	2 3/4	9 Pellets	00 Buck	1325



DUTY HANDGUN

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.



Features and Benefits

- 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	970
53999	40 S&W	180	G2	1015
54256	45 Auto+P	230	G2	910

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
23602	25 Auto	35	Gold Dot Hollow Point	900
23604	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
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



THE CHOSEN ONE

TOP-SCORING HANDGUN ROUND IN PROTOCOL TESTING



When lives are on the line, the right choice is your only choice. That's why the **FBI** and top law enforcement agencies choose **Speer® LE Gold Dot® G2®** handgun ammunition. It's exclusive elastomer-filled nose design lets it achieve unmatched consistency through all barriers. Choose nothing less to protect your officers.

Contact your local distributor or Vista™ Outdoor sales representative for more information.

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
23611	9mm Luger +P	124	Gold Dot Hollow Point Short Barrel	1150
53921	38 Special +P	135	Gold Dot Hollow Point Short Barrel	860
23917	357 Magnum	135	Gold Dot Hollow Point Short Barrel	990
23974	40 S&W	180	Gold Dot Hollow Point Short Barrel	950
23975	45 Auto	230	Gold Dot Hollow Point Short Barrel	820



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

TRAINING

**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 Ammunition

- Virtually eliminates lead generated at the firing point
- 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

Lawman® Clean-Fire® TMJ® Handgun Ammunition Continued

Part Number	Cartridge	Grain	Bullet Type	Velocity
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

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
53396	45 G.A.P.	140	Reduced Hazard Training	1130
53395	45 Auto	155	Reduced Hazard Training	1125



HANDGUN



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
3582	9mm Luger	147	TMJ Flat Nose	950
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



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).

Force on Force® section follows the Ballistics Tables on page 19.

FEDERAL PREMIUM® DUTY PISTOL

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	PRIMER NO.	0	VELOCITY IN FPS				0	ENERGY IN FT LBS				0	TRAJECTORY				TEST BARREL
							25	50	75	100		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	150	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	

FEDERAL PREMIUM® TRAINING PISTOL

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	PRIMER NO.	0	VELOCITY IN FPS				0	ENERGY IN FT LBS				0	TRAJECTORY				TEST BARREL
							25	50	75	100		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	8.1	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	205TMF	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	205TMF	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	150	890	872	856	840	824	404	389	374	360	347	⊕	-2	-6.9	-15	5	
SYNTECH®																					
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	100	830	821	812	803	795	352	344	337	329	322	⊕	-2.3	-7.9	-16.8	5	

EFMJ = Expanding Full Metal Jacket FMJ = Full Metal Jacket HP = Hollow Point TMJ = TMJ 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.

FEDERAL PREMIUM® DUTY RIFLE

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	PRIMER NO.	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)	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.	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
6.5 Grendel	130	8.42	Berger Hybrid OTM	GM65GDLBH130	GM205M	2400	2251	2108	1969	1836	1711	1663	1463	1282	1119	973	845
6mm Creedmoor NEW	105	6.8	Berger Hybrid	GM6CRDBH1	GM210M	3025	2846	2674	2509	2350	2196	2133	1889	1668	1468	1287	1124
6.5 Creedmoor	130	8.42	Hybrid OTM	GM65CRDBH130	GM210M	2875	2709	2550	2396	2247	2104	2386	2119	1877	1657	1457	1277
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	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	2726	2558	2396	2240	2090	3548	3134	2760	2422	2117	1843
338 Lapua Magnum	250	16.2	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

FEDERAL PREMIUM® TRAINING RIFLE

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	PRIMER NO.	0	100	200	300	400	500	0	100	200	300	400	500
BALLISTIC CLEAN® 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-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
30 Carbine	110	7.13	FMJ	AE30CB	205	1990	1564	1231	1031	919	839	967	597	370	260	206	172
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
223 Rem. NEW	75	75	FMJ	AE223T75	205	2775	2550	2336	2132	1938	1756	1282	1083	908	757	625	514



WINDDRIFT					AVERAGE BULLET TRAJECTORY					LONG RANGE BULLET TRAJECTORY					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
1.4	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
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	33	12271	3535
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			
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
0.8	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			
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			
0.6	2.3	5.2	9.7	15.7	-0.2	⊕	-3.2	-11.8	0.6	1.6	⊕	-6.9	-20	-40	24			
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			
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	15842	4925
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			
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	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

WINDDRIFT					AVERAGE BULLET TRAJECTORY					LONG RANGE BULLET TRAJECTORY					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	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
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
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
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			



EFMJ – Expanding Full Metal Jacket FMJ – Full Metal Jacket HP – Hollow Point TMJ – TMJ 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

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*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.

SPEER® DUTY RIFLE

CARTRIDGE	BULLET WT, GR	BULLET TYPE	LOAD NO.	TEST BARREL		VELOCITY (FPS)				ENERGY (FT-LBS)				TRAJECTORY		
				LENGTH, INCHES	MUZZLE	100 YDS	200 YDS	300 YDS	MUZZLE	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.

SPEER® DUTY PISTOL

CARTRIDGE	BULLET WT, GR	BULLET TYPE	LOAD NO.	TEST BARREL 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® LE GOLD DOT® G2® HANDGUN																		
9mm	147	G2	54226	4	970	945	920	897	875	310	292	277	263	250	⊕	-1	-4	-11
40 S&W	180	G2	53999	4	1015	983	950	921	894	416	386	361	339	319	⊕	-1	-4	-11
45 Auto +P	230	G2	54256	5	910	888	864	841	820	426	402	381	361	343	⊕	-1	-5	-13
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
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

*—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.



SPEER® TRAINING PISTOL

CARTRIDGE	BULLET WT, GR	BULLET TYPE	TEST BARREL LOAD NO. LENGTH, INCHES	MUZZLE	VELOCITY (FPS)					MUZZLE	ENERGY (FT-LBS)				TRAJECTORY				
					25 YDS	50 YDS	75 YDS	100 YDS	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 G.A.P.	140	RHT	53396	5	1130	1081	1039	1004	973	397	363	336	313	294	⊕	-1	-3.9	-9	
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.

BLAZER® TRAINING PISTOL

CARTRIDGE	BULLET WT, GR	BULLET TYPE	LOAD NO.	TEST BARREL		MUZZLE	VELOCITY (FPS)				MUZZLE	ENERGY (FT-LBS)				TRAJECTORY			
				LENGTH, INCHES			25 YDS	50 YDS	75 YDS	100 YDS		25 YDS	50 YDS	75 YDS	100 YDS	25 YDS	50 YDS	75 YDS	100 YDS
BLAZER® HANDGUN AMMUNITION																			
25 Auto	50	FMJ RN	3501	2	755	733	712	692	673	63	60	56	53	50	⊕	-3.1	-10.5	-22.4	
32 Auto	71	FMJ RN	3503	4	900	872	846	821	798	128	120	113	106	100	⊕	-2	-7	-15.2	
380 Auto	95	FMJ RN	3505	3.75	945	915	888	863	839	188	177	166	157	149	⊕	-1.7	-6.1	-13.5	
9mm Luger	115	FMJ RN	3509	4	1145	1098	1058	1024	994	335	308	286	268	252	⊕	-0.9	-3.7	-8.6	
	124	FMJ RN	3578	4	1090	1047	1011	979	951	327	302	281	264	249	⊕	-1.1	-4.3	-9.7	
38 Special	147	FMJ FN	3582	4	950	926	903	882	862	295	280	266	254	243	⊕	-1.6	-5.9	-13	
	148	LWC	3517	4 VB	710	667	627	589	553	166	146	129	114	101	⊕	-4	-13.5	-29.3	
	158	LRN	3522	4 VB	755	741	727	713	700	200	193	185	179	172	⊕	-3.1	-10.3	-21.7	
38 Special +P	158	FMJ FN	3519	4 VB	850	833	816	800	785	253	243	234	225	216	⊕	-2.2	-7.7	-16.5	
357 Magnum	158	JHP	3542	4 VB	1150	1099	1056	1019	987	464	423	391	364	342	⊕	-0.9	-3.7	-8.7	
40 S&W	165	FMJ FN	3589	4	1100	1049	1006	970	938	443	403	371	345	323	⊕	-1.1	-4.3	-9.8	
	180	FMJ	3591	4	1000	967	937	910	885	400	373	351	331	313	⊕	-1.4	-5.2	-11.8	
10mm Auto	200	FMJ FN	3597	5	1050	1015	984	957	932	490	457	430	407	386	⊕	-1.2	-4.7	-10.5	
44 Special	200	JHP	3556	8.15 VB	920	895	872	850	829	376	356	337	321	305	⊕	-1.8	-6.5	-14.2	
45 Auto	230	FMJ	3570	5	845	826	807	790	773	365	348	333	318	305	⊕	-2.3	-7.8	-17.0	
45 Colt	200	JHP	3584	7.26	1000	965	935	907	882	444	414	388	366	345	⊕	-1.4	-5.4	-11.9	
BLAZER® CLEAN-FIRE® HANDGUN AMMUNITION																			
9mm Luger	124	TMJ RN	3460	4	1090	1047	1011	979	951	327	302	281	264	249	⊕	-1.1	-4.3	-9.7	
	147	TMJ FN	3462	4	950	926	903	882	862	295	280	266	254	243	⊕	-1.6	-5.9	-13	
38 Special +P	158	TMJ FN	3475	4 VB	850	833	816	800	785	253	243	234	225	216	⊕	-2.2	-7.7	-16.5	
40 S&W	180	TMJ FN	3477	4	1000	967	937	910	885	400	373	351	331	313	⊕	-1.4	-5.3	-11.8	
45 Auto	230	TMJ RN	3480	5	845	826	807	790	773	365	348	333	318	305	⊕	-2.3	-7.9	-16.9	



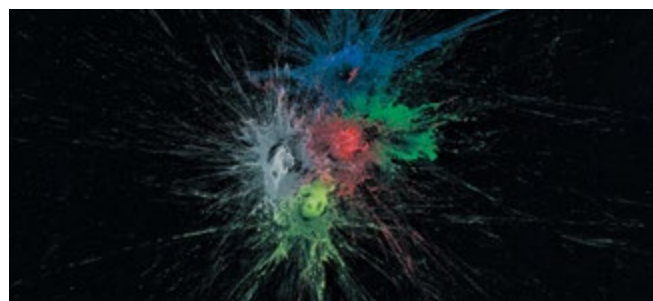
*—Path in inches relative to line of sight when sighted for 25 yards (sight height 0.9 inch above centerline of bore). Test barrels used to determine ballistics information. Individual firearms may vary. These values are approximate and provided for reference only. All products are 50 rounds per box. 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.

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 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

Part Number	Description
FFMAG1	Dedicated Training Magazine



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
FF556BLK1BK	5.56mm Blank Rounds (500 Round Bulk Pack)





