FEDERAL PREMIUM®
LAW ENFORCEMENT
AMMUNITION

2010 PRODUCT CATALOG

LAW ENFORCEMENT AMMUNITION

DUTY PISTOL

TACTICAL® BONDED®

>>> The edge you can carry into any situation.

When the situation leads to a lethal force encounter, rely on your backup, your experience and our Tactical® Bonded® ammunition. Made exclusively for law enforcement, it achieves accuracy and terminal performance unmatched by any other ammunition today. Tactical Bonded is your single, best choice for precision accuracy and barrier penetration.

Tactical Bonded Handgun offers an extremely accurate hollow point with 100% weight retention through most barriers, excellent jacket integrity and consistent 1.5 caliber expansion. It performs exceptionally well in shorter barrels.

HST® is engineered for 100% weight retention and impressive expansion.

TACTICAL® HST®

>>> The next generation in high performance duty ammunition.

HST® offers consistent expansion and optimum penetration for terminal performance. A specially designed hollow-point tip effectively passes through a variety of barriers and this bullet holds its jacket in the toughest conditions. HST is engineered to provide 100% weight retention through most barriers and boasts impressive expansion.

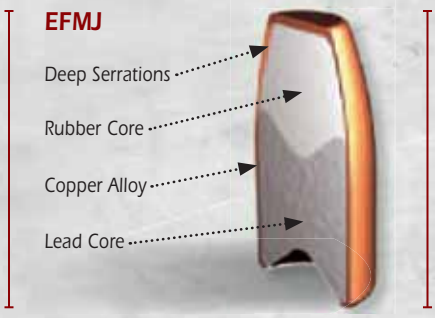
DUTY PISTOL

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	VELOCITY IN FPS 0	25	50	75	100
TACTICAL® BONDED®									
9mm Luger (9x19mm Parabellum) +P	124	8.04	Bonded HP	LE9T1	1160	1100	1060	1020	980
9mm Luger (9x19mm Parabellum) +P	135	8.75	Bonded HP	LE9T5	1060	1030	1000	970	950
357 Sig	125	8.10	Bonded HP	LE357ST4	1350	1270	1190	1130	1080
40 S&W	155	10.04	Bonded HP	LE40T2	1150	1090	1040	990	960
40 S&W	165	10.69	Bonded HP	LE40T3	1050	1010	980	950	920
40 S&W	180	11.66	Bonded HP	LE40T1	1000	970	950	920	900
45 Auto +P	230	14.90	Bonded HP	LE45T1	950	930	910	890	870
TACTICAL® HST®									
9mm Luger (9x19mm Parabellum)	124	8.04	HST	P9HST1	1150	1100	1050	1010	980
9mm Luger (9x19mm Parabellum)	147	9.53	HST	P9HST2	1000	980	950	930	910
9mm Luger (9x19mm Parabellum) +P	124	8.04	HST	P9HST3	1200	1140	1080	1040	1000
9mm Luger (9x19mm Parabellum) +P	147	9.53	HST	P9HST4	1050	1020	990	970	940
357 Sig	125	8.10	HST	P357SHST1	1360	1280	1200	1140	1080
40 S&W	155	10.04	HST	P40HST2	1160	1100	1040	1000	960
40 S&W	165	10.69	HST	P40HST3	1130	1080	1040	1000	970
40 S&W	180	11.66	HST	P40HST1	1010	980	950	930	910
45 G.A.P.	230	14.90	HST	P45GHST1	890	870	860	840	820
45 Auto	230	14.90	HST	P45HST2	890	870	860	840	820
45 Auto +P	230	14.90	HST	P45HST1	950	930	910	890	870
TACTICAL® EFMJ									
9mm Luger (9x19mm Parabellum) +P	124	8.04	EFMJ	P9CSP1	1140	1090	1040	1000	970
40 S&W	165	10.69	EFMJ	P40CSP1	1080	1040	1000	970	940
45 Auto +P	200	12.96	EFMJ	P45CSP1	1030	990	960	940	910
TACTICAL® HYDRA-SHOK®									
380 Auto (9x17mm Short)	90	5.83	Hydra-Shok JHP	P380HS1G	1000	950	910	880	850
9mm Luger (9x19mm Parabellum)	124	8.04	Hydra-Shok JHP	P9HS1G1	1120	1070	1030	990	960
9mm Luger (9x19mm Parabellum)	147	9.53	Hydra-Shok JHP	P9HS2G1	1000	980	950	930	910
9mm Luger (9x19mm Parabellum) +P+	124	8.04	Hydra-Shok JHP	P9HS3G1	1170	1110	1060	1020	990
38 Special +P	129	8.36	Hydra-Shok JHP	P38HS1G	950	930	900	880	870
38 Special +P+	147	9.53	Hydra-Shok JHP	P38HS2G	950	930	910	890	880
357 Magnum	158	10.24	Hydra-Shok JHP	P357HS1G	1240	1190	1140	1100	1060
40 S&W	155	10.04	Hydra-Shok JHP	P40HS2G	1140	1080	1030	990	950
40 S&W	165	10.69	Hydra-Shok JHP	P40HS3G	980	950	920	900	880
40 S&W	180	11.66	Hydra-Shok JHP	P40HS1G	1000	970	950	920	900
10mm Auto	180	11.66	Hydra-Shok JHP	P10HS1G	1030	1000	970	950	920
45 Auto	230	14.90	Hydra-Shok JHP	P45HS1G	900	880	870	850	830
45 Auto +P	185	11.99	Hydra-Shok JHP	P45HS2G	1130	1080	1040	1000	970
TACTICAL® BARNES® XPB									
9mm Luger	115	7.45	Barnes Expander	T9XB1	1140	1090	1050	1020	990
40 S&W	155	10.04	Barnes Expander	T40XB1	1030	1000	980	950	930
45 Auto	185	11.99	Barnes Expander	T45XB1	1030	1000	970	940	920
TACTICAL® NYCLAD									
38 Special HP	125	8.10	Nyclad HP	P38M	830	780	730	680	640

TACTICAL® EFMJ

>>> EFMJ sets the standard for bullet expansion technology.

Federal's exclusive EFMJ bullet design provides the most consistent expansion and reduced risk of collateral damage. This one-of-a-kind bullet design combines a scored full-metal nose over an internal rubber tip that collapses on impact—not based on hydraulics. Its fully enclosed design means it never fills with barrier material and ensures controlled expansion directly upon impact. A low-flash propellant is ideal for low-light tactical applications, while EFMJ's bullet profile promotes smooth feeding in automatics. It's the perfect choice for reliable expansion and penetration—not to mention for agencies that don't permit hollow point ammunition.



TACTICAL® HYDRA-SHOK®

Hydra-Shok® remains a popular choice for accuracy and overall ballistic performance. Its notched copper jacket controls penetration and a unique center-post hollow point design provides controlled expansion and efficient energy transfer for incredible performance.

TACTICAL® BARNES® XPB

This all-copper bullet gives you great weight retention and maximum energy transfer on target. It holds up well through barriers, and is now available in 9mm, .40 S&W and .45 Auto.

ENERGY IN FT LBS					TRAJECTORY				TEST	ESTIMATED EXTREME RANGE		
0	25	50	75	100	25	50	75	100	BARREL	FIRING ANGLE*	MAX DISTANCE	MAX ELEVATION
370	335	305	285	265	⊕	-0.9	-3.7	-8.6	4	33	5874	1658
335	315	300	280	270	⊕	-1.2	-4.5	-10.2	4	34	6486	1824
505	445	395	355	325	⊕	-0.5	-2.4	-6.1	4	33	6087	1748
455	405	370	340	315	⊕	-0.9	-3.9	-9.0	4	32	5285	1463
405	375	350	330	310	⊕	-1.2	-4.7	-10.6	4	33	5690	1582
400	375	360	340	325	⊕	-1.4	-5.3	-11.6	4	34	6082	1709
460	440	420	405	390	⊕	-1.6	-5.9	-12.8	5	35	6385	1811
365	330	305	280	265	⊕	-0.9	-3.8	-8.8	4	33	5861	1652
325	310	295	285	275	⊕	-1.4	-5.2	-11.5	4	35	6792	1931
395	355	325	295	275	⊕	-0.8	-3.4	-8.0	4	33	5929	1680
360	340	320	305	290	⊕	-1.0	-2.4	-4.4	4	34	6586	1841
515	450	400	360	325	⊕	-0.4	-2.4	-6.0	4	33	6098	1753
465	415	375	345	320	⊕	-0.9	-3.8	-8.9	4	32	5296	1468
470	425	390	365	340	⊕	-1.0	-4.0	-9.1	4	33	5832	1640
410	385	365	345	330	⊕	-1.4	-5.1	-11.4	4	34	6109	1719
405	390	375	360	345	⊕	-2.0	-6.9	-15.0	5	35	6132	1712
405	390	375	360	345	⊕	-2.0	-6.9	-15.0	5	35	6132	1712
460	440	420	405	390	⊕	-1.6	-5.9	-12.8	5	35	6385	1811
360	325	300	280	260	⊕	-0.9	-3.9	-8.9	4	33	5847	1646
425	395	365	345	325	⊕	-1.1	-4.4	-10.0	4	33	5748	1606
470	440	410	390	365	⊕	-1.3	-5.0	-11.1	5	33	5647	1565
200	180	165	155	145	⊕	-1.5	-5.6	-12.5	3.75	31	4164	1128
345	315	290	270	255	⊕	-1.0	-4.0	-9.3	4	33	5816	1633
325	310	295	285	275	⊕	-1.4	-5.2	-11.5	4	35	6792	1931
375	340	310	290	270	⊕	-0.9	-3.6	-8.5	4	33	5886	1663
260	245	235	225	215	⊕	-1.6	-5.9	-13.0	4-V	34	5923	1646
295	280	270	260	250	⊕	-1.6	-5.8	-12.8	4-V	35	6606	1857
540	495	455	425	395	⊕	-0.6	-3.0	-7.1	4-V	34	7332	2072
445	400	365	335	315	⊕	-1.0	-4.0	-9.2	4	32	5272	1458
350	330	310	295	280	⊕	-1.5	-5.6	-12.3	4	33	5522	1515
400	375	360	340	325	⊕	-1.4	-5.3	-11.6	4	34	6082	1709
425	400	375	355	340	⊕	-1.3	-4.9	-10.9	5	34	6163	1741
415	395	380	365	355	⊕	-1.9	-6.7	-14.6	5	35	6132	1712
525	475	440	410	385	⊕	-1.0	-4.0	-9.1	5	33	5832	1640
330	305	280	265	250	⊕	-0.9	-3.8	-8.8	4	34	6310	1817
365	345	325	310	300	⊕	-1.3	-4.8	-10.8	4	35	6628	1914
435	410	385	365	345	⊕	-1.3	-4.9	-10.9	5	34	6088	1725
190	165	145	130	115	⊕	-2.7	-9.5	-21.1	2-V	30	2255	625

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-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 PISTOL

BALLISTICLEAN®

>>> Because training should be as safe and as realistic as possible.

BallistiClean is a non-toxic line of ammunition that's made to the same performance standards as duty ammunition. Felt recoil, accuracy and point of impact are all comparable to service ammunition. For environmental safety, BallistiClean features a Toxic-Metal Free® primer with a non-lead bullet that eliminates airborne lead and helps reduce barrel fouling. Range operators have no hazardous waste disposal problems and it meets or exceeds all OSHA and EPA standards.

Train hard, often and realistic.

FEDERAL®

>>> Our Federal® line of ammunition has served law enforcement officers for generations.

It has proven itself as a consistent, dependable performer at a reasonable price. Jacketed hollow point bullets hit hard and expand reliably for effective energy transfer.

TRAINING PISTOL

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	VELOCITY IN FPS 0	25	50	75	100
BALLISTICLEAN®									
9mm Luger (9x19mm Parabellum)	100	6.48	JSZ	BC9NT2	1270	1170	1090	1030	990
BALLISTICLEAN® RHT®									
9mm Luger (9x19mm Parabellum)	98	6.35	RHT	BC9P1	1240	1150	1080	1020	970
357 Sig	100	6.48	RHT	BC357SNT3	1480	1350	1240	1150	1070
40 S&W	125	8.10	RHT	BC40CT1	1300	1180	1080	1010	960
40 S&W	125	8.10	RHT	BC40P1	1150	1060	1000	950	910
10mm Auto	125	8.10	RHT	BC10CT1	1300	1180	1080	1010	960
45 Auto	155	10.04	RHT	BC45CT1	1130	1060	1010	960	930
FEDERAL®									
9mm Luger (9x19mm Parabellum)	115	7.45	JHP	9BP	1180	1110	1050	1000	960
9mm Luger (9x19mm Parabellum)	147	9.53	JHP	9MS	1000	980	950	930	910
9mm Luger (9x19mm Parabellum) +P+	115	7.45	JHP	9BPLE	1300	1200	1130	1060	1010
38 Special +P	125	8.10	JHP	38E	950	920	900	880	860
38 Special +P	158	10.24	JHP	38G	900	880	870	850	840
40 S&W	155	10.04	JHP	40SWB	1150	1090	1040	990	960
40 S&W	180	11.66	JHP	40SWA	1000	970	950	920	900
45 Auto	185	11.99	JHP	45C	950	920	900	880	860
45 Auto	230	14.90	JHP	45D	850	830	820	800	790
AMERICAN EAGLE® INDOOR RANGE TRAINING									
9mm Luger (9x19mm Parabellum)	124	8.04	TMJ	AE9N1	1120	1070	1030	990	960
9mm Luger (9x19mm Parabellum)	147	9.53	TMJ	AE9N2	1000	980	950	930	910
40 S&W	180	11.66	TMJ	AE40N1	1000	970	950	920	900
45 Auto	230	14.90	TMJ	AE45N1	850	830	820	800	790
AMERICAN EAGLE®									
25 Auto (6.35mm Browning)	50	3.24	FMJ	AE25AP	760	740	720	700	680
32 Auto (7.65mm Browning)	71	4.60	FMJ	AE32AP	900	870	850	820	800
380 Auto (9x17mm Short)	95	6.16	FMJ	AE380AP	980	940	900	870	840
9mm Makarov (9x18mm Makarov)	95	6.16	FMJ	AE9MK	1000	960	920	890	860
9mm Luger (9x19mm Parabellum)	115	7.45	FMJ	AE9DP	1180	1110	1050	1000	960
9mm Luger (9x19mm Parabellum)	124	8.04	FMJ	AE9AP	1150	1100	1050	1010	980
9mm Luger (9x19mm Parabellum)	147	9.53	FMJ FP	AE9FP	1000	980	950	930	910
38 Super +P	130	8.42	FMJ	AE38S1	1200	1140	1100	1050	1020
357 Sig	125	8.10	FMJ	AE357S2	1350	1270	1190	1130	1080
38 Special	130	8.42	FMJ	AE38K	810	790	780	760	750
38 Special	158	10.24	LRN	AE38B	770	760	750	730	720
357 Magnum	158	10.24	JSP	AE357A	1240	1190	1140	1100	1060
40 S&W	155	10.04	FMJ	AE40R2	1160	1100	1040	1000	960
40 S&W	165	10.69	FMJ	AE40R3	1130	1080	1040	1000	970
40 S&W	180	11.66	FMJ	AE40R1	1000	970	950	920	900
10mm Auto	180	11.66	FMJ	AE10A	1030	1000	970	950	920
45 G.A.P.	185	11.99	FMJ	AE45GA	1090	1050	1010	970	950
45 G.A.P.	230	14.90	FMJ	AE45GB	880	860	850	830	820
45 Auto	230	14.90	FMJ	AE45A	890	870	860	840	820

AMERICAN EAGLE® IRT®

>>> American Eagle® Indoor Range Training (IRT) ammunition has a reduced-lead bullet fully encapsulated in copper for safer, economical training.

The jacket eliminates any airborne lead hazard. It also carries a toxic metal-free primer and is the ballistic equivalent of duty rounds.

AMERICAN EAGLE®

>>> Sometimes you want a lot of cartridge for less money.

That's American Eagle®. You'll find it in the most popular law enforcement calibers.

BALLISTICLEAN® RHT®

BallistiClean® RHT® features frangible RHT bullets that break-up immediately on contact with metal targets, significantly reducing ricochet and backsplash danger.

NOTE: All BallistiClean loads feature a "NT" (non-toxic) head stamp to clearly identify BallistiClean as a training round at a glance, eliminating confusion with duty rounds.

Ballisticlean RHT centerfire bullet residue—the clear choice for indoor training.

ENERGY IN FT LBS					TRAJECTORY				TEST	ESTIMATED EXTREME RANGE		
0	25	50	75	100	25	50	75	100	BARREL	FIRING ANGLE*	MAX DISTANCE	MAX ELEVATION
360	305	265	235	215	⊕	-0.7	-3.2	-7.7	4	31	4781	1318
335	285	250	225	205	⊕	-0.7	-3.4	-8.1	4	31	4754	1307
485	405	340	290	255	⊕	-0.3	-2.0	-5.4	4	31	4924	1379
470	385	325	285	255	⊕	-0.7	-3.2	-7.8	4	31	4125	1175
365	315	275	250	225	⊕	-1.0	-4.2	-9.8	4	31	4017	1129
470	385	325	285	255	⊕	-0.7	-3.2	-7.8	5	31	4125	1175
440	390	350	320	295	⊕	-1.0	-4.2	-9.7	5	31	4651	1265
355	310	280	255	235	⊕	-0.9	-3.7	-8.7	4	32	5015	1411
325	310	295	285	275	⊕	-1.4	-5.2	-11.5	4	35	6792	1931
430	370	325	290	260	⊕	-0.6	-2.9	-7.1	4	31	5126	1398
250	235	225	215	205	⊕	-1.7	-6.0	-13.1	4-V	33	5436	1482
285	275	265	255	245	⊕	-1.9	-6.7	-14.5	4-V	35	6386	1772
455	405	370	340	315	⊕	-0.9	-3.9	-9.0	4	32	5285	1402
400	375	360	340	325	⊕	-1.4	-5.3	-11.6	4	34	6082	1709
370	350	330	315	300	⊕	-1.7	-6.0	-13.1	5	33	5436	1482
370	355	345	330	320	⊕	-2.2	-7.7	-16.4	5	35	5937	1637
345	315	290	270	255	⊕	-1.0	-4.0	-9.3	4	33	5830	1636
325	310	295	285	275	⊕	-1.4	-5.2	-11.5	4	36	7772	2217
400	375	360	340	325	⊕	-1.4	-5.3	-11.6	4	34	5844	1658
370	355	345	330	320	⊕	-2.2	-7.7	-16.4	5	34	5067	1401
65	60	55	55	50	⊕	-3.1	-10.4	-22.1	2	34	4075	1131
130	120	115	105	100	⊕	-2.0	-7.0	-15.2	4	33	4325	1172
205	185	170	160	145	⊕	-1.6	-5.8	-13.0	3.75	32	4405	1222
210	195	180	165	155	⊕	-1.5	-5.5	-12.3	3.75	33	4697	1347
355	310	280	255	235	⊕	-0.9	-3.7	-8.7	4	32	5247	1462
365	330	305	280	265	⊕	-0.9	-3.8	-8.8	4	34	6345	1829
325	310	295	285	275	⊕	-1.4	-5.2	-11.5	4	35	6873	1919
415	375	345	320	300	⊕	-0.8	-3.3	-7.9	5	34	7142	2018
505	445	395	355	325	⊕	-0.5	-2.4	-6.1	4	33	6314	1799
190	180	175	170	160	⊕	-2.5	-8.7	-18.6	4-V	33	4998	1390
210	200	195	190	185	⊕	-2.9	-9.8	-20.7	4-V	34	4075	1131
540	495	455	425	395	⊕	-0.6	-3.0	-7.1	4-V	33	5968	1698
465	415	375	345	320	⊕	-0.9	-3.8	-8.9	4	32	5341	1472
470	425	390	365	340	⊕	-1.0	-4.0	-9.1	4	33	5483	1508
400	375	360	340	325	⊕	-1.4	-5.3	-11.6	4	36	7533	2159
425	400	375	355	340	⊕	-1.3	-4.9	-10.9	5	35	7100	2031
490	450	415	390	365	⊕	-1.1	-4.3	-9.8	5	34	6315	1800
395	380	365	355	340	⊕	-2.0	-7.1	-15.3	5	38	8516	2416
405	390	375	360	345	⊕	-2.0	-6.9	-15.0	5	34	5067	1401

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-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.*

DUTY RIFLE

TACTICAL® BONDED®

>>> Designed exclusively for Law Enforcement.

Tactical® Bonded® Rifle Ammunition is another Federal® product made exclusively for law enforcement. It achieves accuracy and terminal performance unmatched by any other ammunition. Designed to defeat the toughest barriers with minimal deflection or deviation for the most critical situations. Tactical Bonded has quickly become the choice for some of the most intense conditions.

TACTICAL® TRU®

>>> Tactical® Rifle Urban. Custom made for your Urban Rifle.

Today's Law Enforcement Officers need ammunition specifically designed for use in semi-automatic rifles or "Urban Rifles," such as variants of the M-16 or AR-15. Federal® TRU® ammunition is engineered using mil-quality specifications for ideal functioning in these firearms. Special consideration is given to the powder (low-flash), brass (thicker) and primers (crimped) to ensure TRU loads work in today's law enforcement rifles. TRU bullets are specifically engineered, ranging from fragmenting designs for tactical entry to deeper penetrating bullets for patrol. New this year, a .223 Rem. Barnes® Triple-Shock® X-Bullet™ option has been added. This gives the TRU line another accurate, tough bullet ideal for today's scenarios.

DUTY RIFLE

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	VELOCITY IN FPS 0	100	200	300	400	500	ENERGY IN FT LBS 0	100	200	300	400	500
TACTICAL® TRU®																
223 Rem. (5.56x45mm)	55	3.56	Barnes Triple-Shock X-Bullet	T223S	3200	2750	2350	1980	1650	1360	1250	925	670	475	330	225
223 Rem. (5.56x45mm)	55	3.56	Sierra BTHP	T223E	3220	2830	2470	2140	1830	1560	1265	975	745	560	410	300
223 Rem. (5.56x45mm)	55	3.56	Nosler Ballistic Tip	T223F	3220	2850	2510	2200	1910	1640	1265	995	770	590	445	330
223 Rem. (5.56x45mm)	55	3.56	Hi-Shok SP	T223A	3220	2780	2380	2020	1690	1410	1265	945	695	500	350	240
223 Rem. (5.56x45mm)	64	4.15	Hi-Shok SP	T223L	3050	2680	2340	2030	1740	1490	1320	1020	780	585	430	315
223 Rem. (5.56x45mm)	69	4.47	Sierra MatchKing BTHP	T223M	2950	2640	2350	2080	1830	1600	1335	1070	850	665	515	395
223 Rem. (5.56x45mm)	77	4.99	Sierra MatchKing BTHP	T223M3	2730	2490	2260	2050	1850	1660	1275	1060	875	720	585	470
308 Win. (7.62x51mm)	165	10.69	Sierra BTHP	T308M	2670	2450	2250	2050	1860	1690	2610	2205	1845	1535	1265	1040
308 Win. (7.62x51mm)	168	10.89	Soft Point	T308H	2650	2450	2270	2090	1910	1750	2620	2245	1915	1620	1365	1145
TACTICAL® OPEN TIP MATCH																
5.56x45mm	43	2.79	Lite Open Tip Match	T556LOTM1	3600	2910	2320	1800	1380	1090	1235	810	515	310	180	115
5.56x45mm	50	3.24	Lite Open Tip Match	T556LOTM2	3400	2870	2400	1980	1600	1300	1285	915	640	435	285	185
TACTICAL® BONDED®																
223 Rem. (5.56x45mm)	55	3.56	Bonded Soft Point	LE223T1	3150	2680	2250	1870	1530	1260	1210	875	620	425	285	195
223 Rem. (5.56x45mm)	62	4.02	Bonded Soft Point	LE223T3	3050	2630	2250	1900	1590	1330	1280	955	695	495	350	245
308 Win. (7.62x51mm)	165	10.69	Bonded Soft Point	LE308T1	2600	2350	2120	1900	1690	1510	2475	2025	1645	1320	1050	830
308 Win. (7.62x51mm)	168	10.89	Bonded Soft Point	LE308T2	2600	2410	2220	2040	1870	1710	2520	2160	1835	1555	1305	1095
GOLD MEDAL®																
223 Rem. (5.56x45mm)	69	4.47	Sierra MatchKing BTHP	GM223M	3000	2690	2400	2130	1870	1640	1380	1105	880	690	535	410
223 Rem. (5.56x45mm)	77	4.99	Sierra MatchKing BTHP	GM223M3	2750	2510	2280	2070	1860	1670	1295	1075	890	730	595	480
308 Win. (7.62x51mm)	168	10.89	Sierra MatchKing BTHP	GM308M	2600	2410	2230	2060	1890	1740	2520	2170	1855	1580	1340	1130
308 Win. (7.62x51mm)	175	11.34	Sierra MatchKing BTHP	GM308M2	2600	2430	2260	2100	1950	1800	2625	2290	1985	1715	1475	1265
30-06 Spring. (7.62x63mm)	168	10.89	Sierra MatchKing BTHP	GM3006M	2700	2510	2320	2150	1980	1820	2720	2345	2015	1720	1460	1235
300 Win. Magnum	190	12.31	Sierra MatchKing BTHP	GM300WM	2900	2730	2560	2400	2240	2090	3550	3135	2760	2420	2115	1845
338 Lapua Magnum	250	16.20	Sierra MatchKing BTHP	GM338LM	2950	2790	2630	2480	2340	2200	4830	4320	3850	3425	3035	2685

We bring you high-performance rifle ammunition for all situations.

TACTICAL® LITE OPEN TIP MATCH

>>> Impressive Accuracy. Unprecedented Open Tip Match Performance.

When you're called upon to take action, you want the best tools for the job. Federal Premium® provides match-grade accuracy and explosive performance on impact with non-toxic Tactical® Lite Open Tip Match offerings. Minimize the risk for collateral damage and get superior terminal performance with LOTM.

GOLD MEDAL®

>>> There is no room for error.

In no other police encounter are the stakes this high. You get one shot. It has to be perfect. No questions. That's why you choose Gold Medal® Centerfire Rifle—legendary for extreme accuracy, shot after shot, lot to lot. It has become the choice of police marksman and competition shooters alike—and for good reason. Gold Medal is made specifically for the most demanding situations. The aerodynamic design of the venerable Sierra® MatchKing® means flatter trajectory, higher downrange energy, and more accurate shot placement. Gold Medal's brass cases, stick powders and match primers are specifically selected and engineered to deliver consistent accuracy and performance. The results speak for themselves.

WINDDRIFT					AVERAGE BULLET TRAJECTORY				LONG RANGE BULLET TRAJECTORY						TEST	ESTIMATED EXTREME RANGE		
100	200	300	400	500	50	100	200	300	50	100	200	300	400	500	BARREL	FIRING ANGLE*	MAX DISTANCE	MAX ELEVATION
1.3	5.6	13.6	26.5	45.2	-0.3	⊕	-3.1	-12.6	0.5	1.6	⊕	-8.0	-25.1	-55.5	24	32	9676	2820
1.1	4.7	11.3	21.5	36.4	-0.3	⊕	-2.9	-11.5	0.4	1.4	⊕	-7.2	-22.0	-47.6	24	33	10834	3230
1.0	4.3	10.4	19.7	33.3	-0.3	⊕	-2.8	-11.1	0.4	1.4	⊕	-6.9	-21.0	-45.2	24	33	11390	3368
1.2	5.3	13.0	25.3	43.0	-0.3	⊕	-3.0	-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
1.0	4.3	10.3	19.3	32.4	-0.2	⊕	-3.5	-13.3	0.7	1.7	⊕	-8.1	-24.1	-51.0	24	34	12166	3637
0.9	3.8	9.0	16.6	27.7	-0.1	⊕	-4.1	-15.0	0.9	2.1	⊕	-8.9	-25.9	-53.7	24	35	13888	4148
0.8	3.6	8.4	15.6	25.8	-0.1	⊕	-4.3	-15.5	1.0	2.2	⊕	-9.1	-26.3	-54.1	24	36	14635	4474
0.7	3.2	7.7	14.0	23.0	-0.1	⊕	-4.3	-15.4	1.0	2.1	⊕	-9.0	-25.7	-52.4	24	36	15661	4723
1.6	7.3	18.5	37.5	66.3	-0.3	⊕	-2.7	-12.0	0.3	1.3	⊕	-8.0	-27.4	-66.6	20	30	7482	2131
1.4	5.9	14.7	28.9	50.0	-0.3	⊕	-2.8	-11.7	0.4	1.4	⊕	-7.5	-24.3	-55.2	20	32	8829	2624
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	0.7	1.8	⊕	-8.7	-27.4	-60.2	24	33	9828	2832
1.0	4.4	10.3	19.6	32.3	0.0	⊕	-4.9	-17.3	1.2	2.4	⊕	-10.0	-30.1	-62.1	24	35	13052	3901
0.7	3.3	7.9	14.4	23.8	-0.1	⊕	-4.6	-16.2	1.1	2.3	⊕	-9.3	-26.8	-54.7	24	35	13052	3901
1.0	4.2	10.0	18.8	31.6	-0.2	⊕	-3.3	-12.8	0.6	1.7	⊕	-7.8	-23.2	-49.0	24	33	12271	3535
0.9	3.7	8.9	16.5	27.4	-0.1	⊕	-4.0	-14.8	0.9	2.0	⊕	-8.8	-25.5	-52.7	24	35	13929	4165
0.7	3.2	7.6	13.8	22.7	-0.1	⊕	-4.5	-16.0	1.1	2.3	⊕	-9.3	-26.5	-53.8	24	37	15842	4925
0.6	2.9	6.9	12.5	20.3	-0.1	⊕	-4.4	-15.7	1.0	2.2	⊕	-9.1	-25.8	-51.8	24	37	17139	5255
0.7	3.0	7.2	13.2	21.3	-0.1	⊕	-4.0	-14.6	0.9	2.0	⊕	-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	⊕	-3.0	-11.0	0.5	1.5	⊕	-6.5	-18.5	-37.1	24	38	19684	6301

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-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 RIFLE

Our training ammunition matches the ballistics of our duty ammunition so officers are ready when it matters most.

TRAINING RIFLE

CALIBER	WEIGHT GRAINS	WEIGHT GRAMS	BULLET STYLE	LOAD NO.	VELOCITY IN FPS 0	100	200	300	400	500	ENERGY IN FT LBS 0	100	200	300	400	500
BALLISTICLEAN® RHT®																
223 Rem. (5.56x45mm)	42	2.72	RHT	BC223NT5	3450	2730	2110	1580	1190	980	1110	695	415	235	130	90
223 Rem. (5.56x45mm)	55	3.56	RHT	BC223NT5A	3100	2400	1810	1330	1050	910	1175	705	400	215	135	100
BALLISTICLEAN®																
5.56x45mm	43	2.79	Lite Open Tip Match	BC556LOTM1	3600	2910	2320	1800	1380	1090	1235	810	515	310	180	115
5.56x45mm	50	3.24	Lite Open Tip Match	BC556LOTM2	3400	2870	2400	1980	1600	1300	1285	915	640	435	285	185
AMERICAN EAGLE®																
223 Rem. (5.56x45mm)	50	3.24	JHP	AE223G	3400	2910	2460	2060	1700	1390	1285	935	675	470	320	215
223 Rem. (5.56x45mm)	55	3.56	FMJ-BT	AE223	3240	2870	2540	2220	1930	1670	1280	1010	785	605	455	340
223 Rem. (5.56x45mm)	62	4.02	FMJ-BT	AE223N	3020	2710	2430	2160	1900	1670	1255	1015	810	640	500	385
30 Carbine	110	7.13	FMJ	AE30CB	1990	1560	1230	1030	920	840	965	595	370	260	205	170
7.62x39mm Soviet	124	8.04	FMJ	A76239A	2300	2030	1780	1560	1360	1200	1455	1135	875	665	510	395
308 Win. (7.62x51mm)	150	9.72	FMJ-BT	AE308D	2820	2600	2390	2180	1990	1810	2650	2245	1895	1585	1320	1090
30-06 Spring. (7.62x63mm)	150	9.72	FMJ-BT	AE3006N	2910	2680	2470	2260	2060	1880	2820	2395	2025	1700	1420	1175

BALLISTICLEAN® RHT®

>>> Because training should be as safe and realistic as possible.

BallistiClean is a non-toxic line of ammunition that's made to the same performance standards as duty ammunition. Felt recoil, accuracy and point of impact are all comparable to service ammunition. For environmental safety, BallistiClean features a Toxic-Metal Free® primer with a non-lead bullet that eliminates airborne lead and helps reduce barrel fouling. With RHT®, Range operators have no hazardous waste disposal problems and it meets or exceeds all OSHA and EPA standards. Our RHT bullets breakup immediately on contact with metal targets, significantly reducing ricochet and backsplash danger. A "NT" (non-toxic) headstamp identifies BallistiClean as a training round at a glance, eliminating confusion with duty rounds.

BALLISTICLEAN® RHT® LITE OPEN TIP MATCH

>>> Accuracy shouldn't be second rate at the range.

The BallistiClean® RHT® Lite Open Tip Match is the first lead-free training bullet to be accurate out to and past 200 yards. It also functions in various semi and full-auto guns. This entire load is completely non-toxic and frangible, so it's safe and ideal for the indoor range. Train realistically and lead-free with this new Ballisticlean RHT offering.

AMERICAN EAGLE®

>>> Get a lot of cartridge for less money.

That's American Eagle®. You'll find it in the most popular law enforcement calibers.

WINDDRIFT					AVERAGE BULLET TRAJECTORY				LONG RANGE BULLET TRAJECTORY						TEST	ESTIMATED EXTREME RANGE		
100	200	300	400	500	50	100	200	300	50	100	200	300	400	500	BARREL	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	-85.0	24	30	6900	1976
2.3	10.6	27.7	56.0	93.5	-0.2	⊕	-4.7	-20.6	1.0	2.3	⊕	-13.6	-47.9	-112.9	24	30	6546	1859
1.6	7.3	18.5	37.5	66.3	-0.3	⊕	-2.7	-12.0	0.3	1.3	⊕	-8.0	-27.4	-66.6	24	30	7482	2131
1.4	5.9	14.7	28.9	50.0	-0.3	⊕	-2.8	-11.7	0.4	1.4	⊕	-7.5	-24.3	-55.2	24	32	8829	2624
1.3	5.5	13.4	26.1	44.9	-0.3	⊕	-2.7	-11.1	0.4	1.3	⊕	-7.1	-22.7	-50.7	24	32	9460	2796
1.0	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
1.0	4.0	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	⊕	-13.0	-49.1	3.9	6.5	⊕	-29.7	-90.9	-190.2	18	32	7029	1998
1.5	6.2	15.1	28.5	47.0	0.2	⊕	-6.9	-25.0	1.9	3.5	⊕	-14.6	-43.6	-91.8	20	35	11257	3373
0.8	3.3	7.8	14.4	23.3	-0.2	⊕	-3.6	-13.5	0.8	1.8	⊕	-8.0	-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

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-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.*

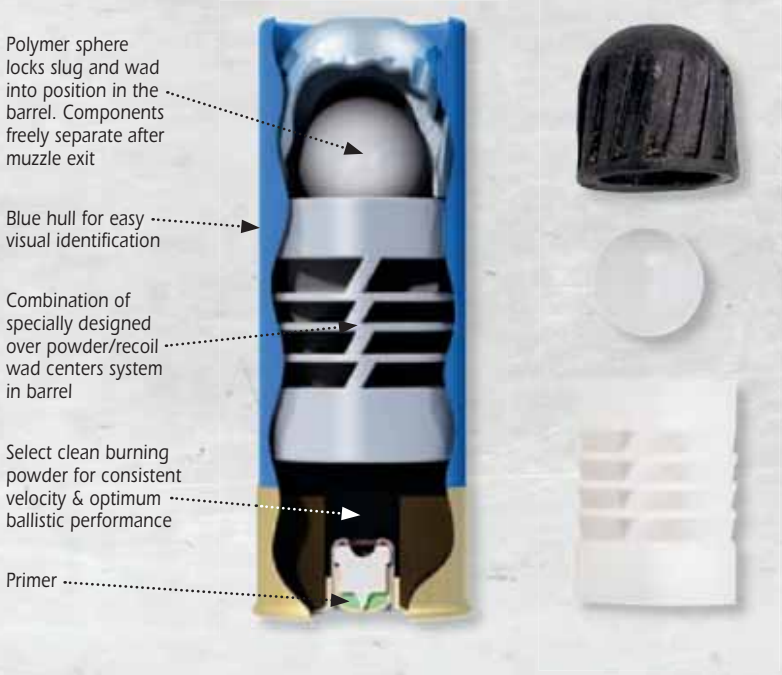
SLUGS/TARGET LOADS

TACTICAL® TRUBALL® RIFLED SLUG

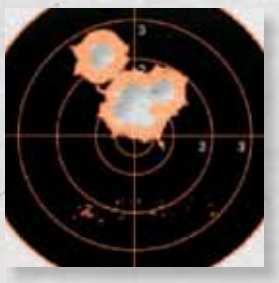
>>> The Shotshell Revolution continues.

Federal's Tactical® TruBall® Rifled Slug provides an amazing accuracy improvement for smoothbore shotguns. The unique TruBall system locks the components together, centering the slug in the barrel. This unique system promotes clean separation of components after muzzle exit to ensure greater down-range accuracy. TruBall is capable of 2" groups at 50-yards—more like what you'd expect of sabot slugs shot from a rifled barrel. Federal® Tactical Slugs also feature an all brass head for improved extraction and ejection and a blue hull for easy visual identification. The TruBall Rifled Slug ushers in a new generation of rifled slug systems and provides the confidence you need in standard police shotguns.

UNIQUE THREE PIECE SLUG SYSTEM



LEB127 RS performance at 50 and 100 yards. The Tactical® Truball® Rifled Slug provides amazing accuracy at both distances.



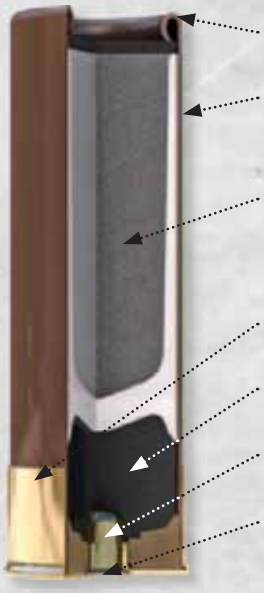
50 YARDS

100 YARDS

SLUGS

SLUG TYPE	LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	SHELL LENGTH MM	SHELL WT. OUNCES	SHELL WT. GRAINS	VELOCITY IN FPS 0	25	50	75	100	ENERGY IN FT LBS 0	25	50	75	100
TACTICAL® TRUBALL® RIFLED SLUG																
TRUBALL Rifled Slug LR	LEB127 LRS	12	2.75	70	1	438	1300	1150	1040	970	910	1645	1280	1055	910	805
TRUBALL Rifled Slug	LEB127 RS	12	2.75	70	1	438	1600	1370	1180	1050	970	2490	1810	1355	1080	915
TACTICAL® RIFLED SLUG																
Hydra-Shok HP	LE127 RS	12	2.75	70	1	438	1300	1200	1120	1050	1000	1655	1405	1215	1080	980
Hydra-Shok HP	LEF127 RS	12	2.75	70	1	438	1610	1470	1340	1230	1140	2555	2120	1770	1490	1280
TACTICAL® DOOR BREACH SLUG																
Frangible	LE132 DB	12	2.75	70	1⅜	602	1100	-	-	-	-	-	-	-	-	-
FEDERAL® RIFLED SLUG																
Hollow Point	F130 RS	12	2.75	70	1¼	547	1520	1380	1270	1170	1090	2795	2315	1940	1645	1435
Hollow Point	F127 RS	12	2.75	70	1	438	1610	1470	1340	1230	1140	2555	2120	1770	1490	1280

Get inside quickly with Tactical® Door Breach.



TACTICAL® DOOR BREACH

>>> Get in fast. Quick. And safe.

Tactical® Door Breach from Federal Premium® Law Enforcement allows quick entry and minimizes collateral damage. This load uses a frangible slug in a 2¾" 12 gauge configuration to defeat doors effectively. The powdered steel-based product breaks up on impact, meaning a slug or other projectile doesn't penetrate the door. This limits the possibility of collateral damage on the other side.

TACTICAL® RIFLED SLUG

Standard Tactical® Slugs feature Federal's industry-defining, 1-ounce Hydra-Shok® slug. The Hydra-Shok slug excels through standard FBI test protocols, providing dynamic expansion without over-penetration. Blue hull for easy visual identification.

FEDERAL® RIFLED SLUG

The Federal® Rifled Slug is an outstanding slug choice. Available in 1-ounce and 1¼-ounce options, you'll be thrilled with the power these loads bring to the target. Federal slugs offer reliable performance for a palatable price.

TOP GUN® TARGET LOADS

Designed to provide optimum performance when it counts, Top Gun® features extra-hard lead shot or tight patterns. Select, clean burning powder delivers consistent velocity and optimum ballistic performance.

BULLET TRAJECTORY 25	50	75	100	TEST BARREL LENGTH
0.6	⊕	-2.6	-7.4	30
0.3	⊕	-1.9	-5.7	30
0.6	⊕	-2.6	-7.4	30
0.3	⊕	-1.9	-5.7	30
-	-	-	-	30
0.3	⊕	-1.7	-4.9	30
0.3	⊕	-1.5	-4.3	30

HP= Hollow Point
LR = Low Recoil.

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.

TOP GUN® TARGET LOADS

SHOT SIZE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH (INCHES)	DRAM. EQUIV.	MUZZLE VELOCITY	SHOT CHARGE WT. (OUNCES)
7½, 8	TG12	12	2.75	3	1200	1⅛
7½, 8, 9	TGL12	12	2.75	2.75	1145	1⅛
9	TG20	12	2.75	2.5	1210	⅞

BUCKSHOT

TACTICAL® BUCKSHOT

>>> Welcome to a revolution in buckshot cartridge design.

Federal Premium® has turned shotshell technology 180 degrees with the FLITECONTROL® Wad. This exciting and innovative shotshell system delivers the tightest buckshot patterns available for law enforcement—all without expensive barrel alterations or aftermarket choke tubes.

Tactical® Buckshot also features copper-plated shot and recoil reduction that, when combined with the FLITECONTROL Wad, result in the most dependable and predictable pattern performance available. Tactical Buckshot also features a solid brass head for reliable function—not brass-plated steel that can swell and cause extraction issues. To top it off, all Federal Tactical Shotshell offerings are loaded with the unique and famous Basic-Lead Styphnate 202 primer. Federal Premium Tactical Buckshot is offered in a full power 9 pellet 00 for semi-automatic shotguns.

Tactical Buckshot featuring FLITECONTROL transforms the most basic police shotgun into a precision shooting tool.

FLITECONTROL® WAD SYSTEM

Tactical Buckshot with FLITECONTROL Pattern Testing.

FLITECONTROL® Wad provides tightest extreme spread.

BUCKSHOT

SHOT SIZE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH (INCHES)	DRAM. EQUIV.	MUZZLE VELOCITY
TACTICAL® BUCKSHOT FLITECONTROL® WAD**					
9 PELLETS - 00 BUCK	LE127 00	12	2.75	MAX.	1325
9 PELLETS - 00 BUCK*	LE132 00	12	2.75	MAX.	1145
8 PELLETS -00 BUCK*	LE133 00	12	2.75	MAX.	1145
TACTICAL® BUCKSHOT					
8 PELLETS -000 BUCK	LE132 000	12	2.75	MAX.	1145
PREMIUM® BUCKSHOT					
9 PELLETS - 00 BUCK	P154 00	12	2.75	MAX.	1290
34 PELLETS - 4 BUCK	P156 4B	12	2.75	MAG.	1250
12 PELLETS - 00 BUCK	P156 00	12	2.75	MAG.	1325
FEDERAL® BUCKSHOT					
12 PELLETS - 00 BUCK	F130 00	12	2.75	MAG.	1290
8 PELLETS - 000 BUCK	F127 000	12	2.75	MAX.	1325

**Reduced Recoil*

***With FLITECONTROL, best performance is achived with chokes that do not strip wad or reduce muzzle pressure.*

FEDERAL PREMIUM® BUCKSHOT

Premium® Buckshot gives you copper-plated shot for tight patterns and great down-range energy. It also puts more pellets on target for impressive stopping power.

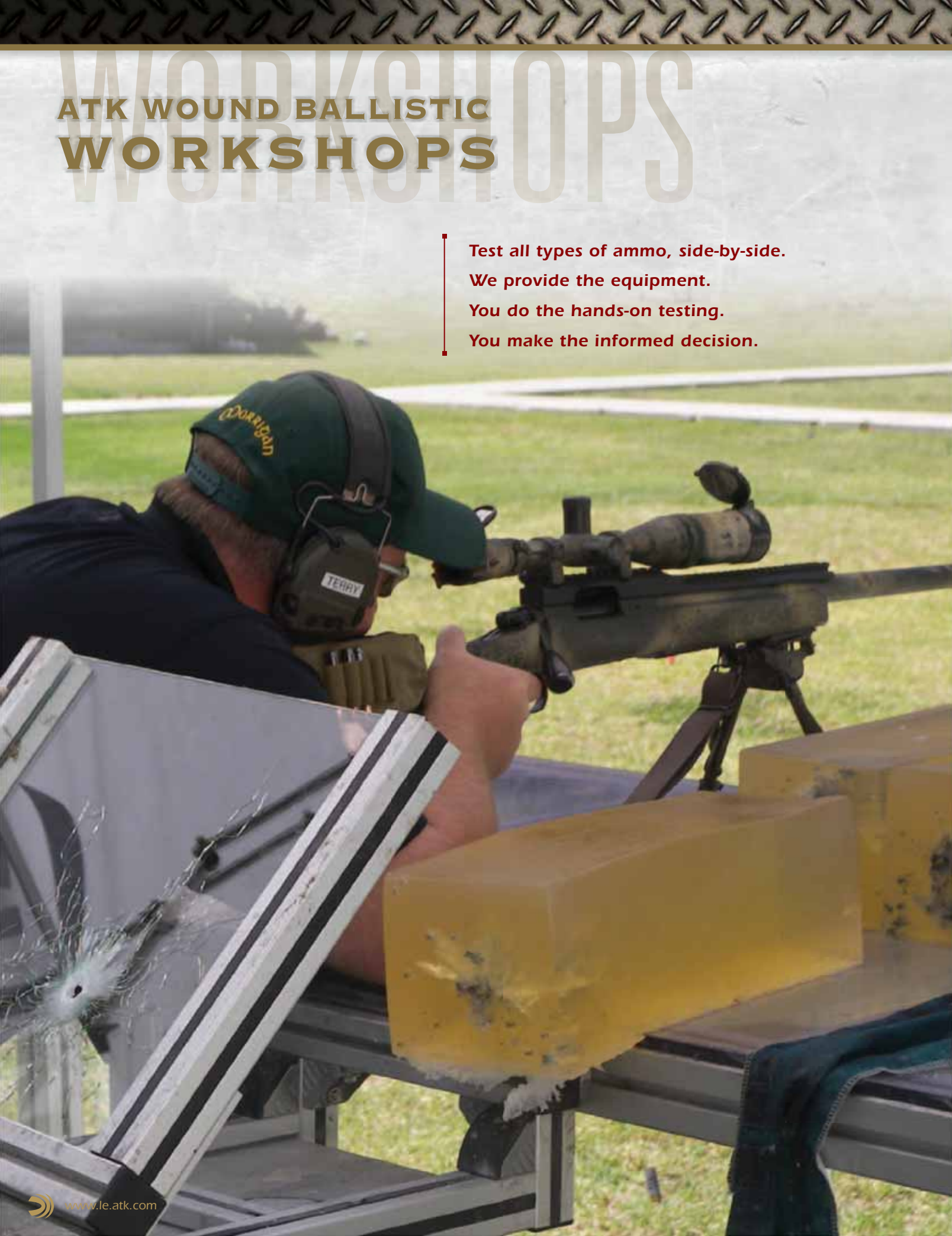
FEDERAL® BUCKSHOT

Federal® Buckshot's Triple Plus® wad system gives you better shot alignment, with a granulated plastic buffer to keep shot pellets from deforming. You get tighter, more predictable downrange patterns and better stopping power.

Patterns you can trust to stop the threat.

ATK WOUND BALLISTIC WORKSHOPS

Test all types of ammo, side-by-side.
We provide the equipment.
You do the hands-on testing.
You make the informed decision.



YOUR INVITATION

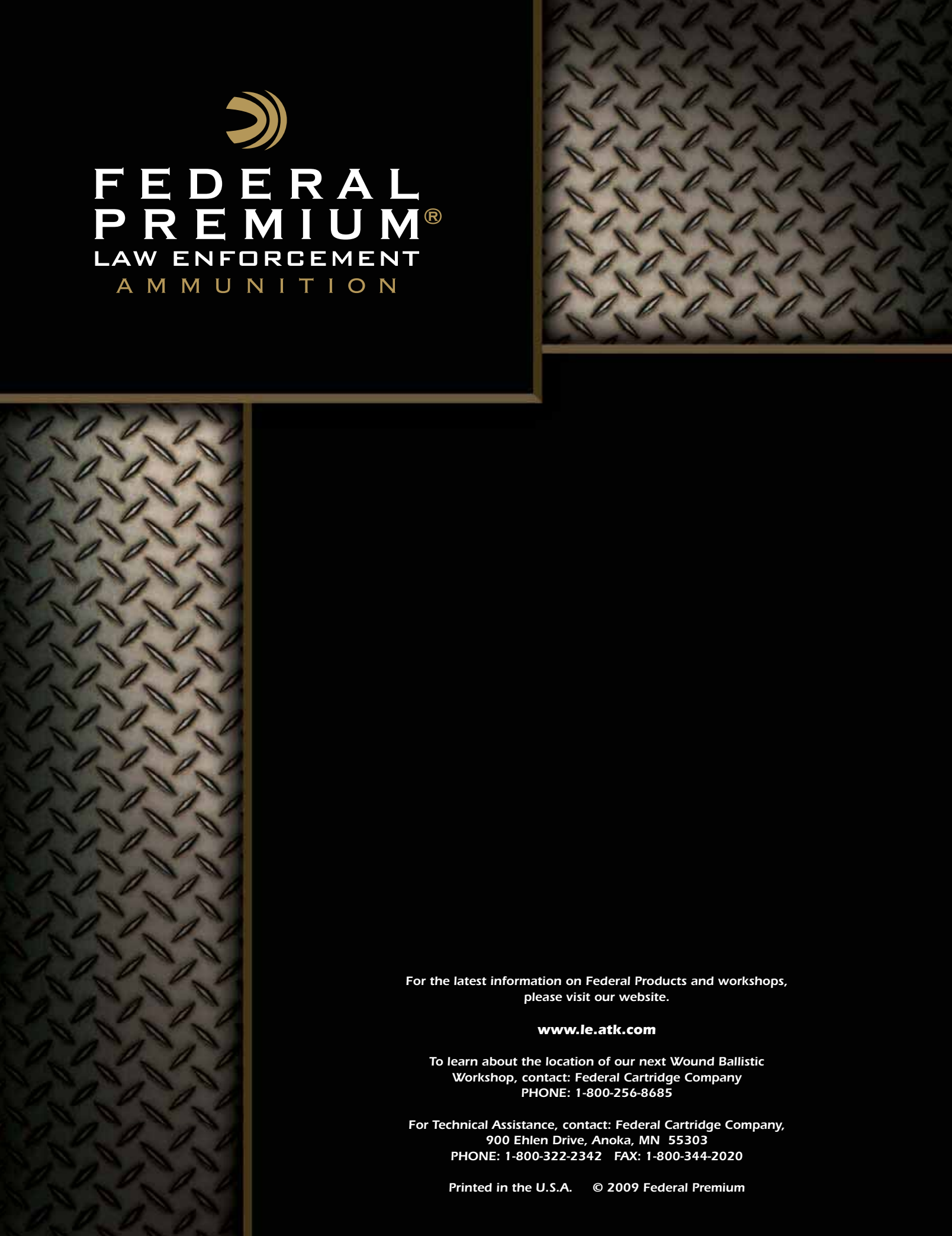
ATK — Speer™ LE and Federal Premium® Law Enforcement — pioneered the use of Wound Ballistic Workshops as a service to police departments nationwide. Utilizing the rigorous FBI Ammunition Testing Protocol, firearms training officers are able to test ammunition side-by-side in order to make informed decisions on the duty ammunition their department will carry. All testing is hands-on by the officers and allows them to document the entire process from start to finish. All necessary equipment is provided at no cost to the hosting agency – another sign of ATK's continued commitment to the law enforcement community and the public it serves.

Testing is completed in 10% ordnance gelatin, and consists of shots in bare gelatin, gelatin covered in FBI specification Heavy Clothing, steel, wallboard, plywood, and the toughest challenge of all – laminated automobile safety glass.

For an ATK Wound Ballistic Workshop in your area, please contact your ATK Law Enforcement Distributor or your regional ATK Law Enforcement Specialist.
www.le.atk.com

FBI TEST PROTOCOL

- **BARE GELATIN**
  Shot at 10 feet
- **HEAVY CLOTHING**
  Shot at 10 feet
- **STEEL**
  Two pieces of 20 gauge, shot at 10 feet
- **WALLBOARD**
  Two pieces of ½ inch gypsum board, shot at 10 feet
- **PLYWOOD**
  One piece of ¾ inch AA fir plywood, shot at 10 feet
- **AUTOMOBILE GLASS**
  One piece of ¼ inch laminated safety glass set at a 45 degree angle with an offset of 15 degrees, shot at 10 feet
- **HEAVY CLOTHING**
  Shot at 20 yards
- **AUTOMOBILE GLASS**
  Shot at 20 yards without the 15 degree offset
- **HEAVY CLOTHING**
  Shot at 10 feet



For the latest information on Federal Products and workshops, please visit our website.

www.le.atk.com

To learn about the location of our next Wound Ballistic Workshop, contact: Federal Cartridge Company
PHONE: 1-800-256-8685

For Technical Assistance, contact: Federal Cartridge Company,
900 Ehlen Drive, Anoka, MN 55303
PHONE: 1-800-322-2342 FAX: 1-800-344-2020

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