



FEDERAL
PREMIUM[®]
AMMUNITION

2006



PRODUCT GUIDE

TABLE OF CONTENTS

Letter from the President	3	Premium Rimfire/Primers	26-27	Other Products from Federal	39-48
2006 New Products	4-6	V•Shok Rimfire (<i>Varmint</i>)	26	Power•Shok Centerfire Rifle	40-43
Premium Rifle Bullet Offerings	7	Gold Medal Rimfire	27	American Eagle Rifle	42-43
Know Your Bullet's Trajectory	8	Gold Medal Rifle and Pistol Primers	27	Power•Shok Handgun Hunting	44
Bullet Selector Guide	9			Personal Defense Handgun	44
		Premium Shotgun	28-38	Champion Handgun	44
Premium Centerfire Rifle	10-21	Premium Vital•Shok Buck (<i>Medium Game</i>)	28	American Eagle Handgun	45
Premium Vital•Shok (<i>Medium/Large Game</i>)	10-17	Premium Vital•Shok Slug (<i>Medium Game</i>)	29	Game•Shok Rimfire	46
Premium Cape•Shok (<i>Dangerous Game</i>)	18-19	Ducks Unlimited - Grasslands for Tomorrow	30-31	Champion Rimfire	46
Premium V•Shok (<i>Varmint</i>)	20-21	Premium Ultra•Shok High Density (<i>Waterfowl</i>)	32	American Eagle Rimfire	46
Premium Gold Medal (<i>Target</i>)	20-21	Premium Ultra•Shok Steel (<i>Waterfowl</i>)	33	Power•Shok Slug and Buck	47
		Premium Mag•Shok Lead (<i>Turkey</i>)	34	Game•Shok Upland Loads	48
Premium Centerfire Handgun	22-25	Premium Mag•Shok HEAVYWEIGHT (<i>Turkey</i>)	35	Top Gun Target Loads	48
Premium Vital•Shok Handgun (<i>Medium Game</i>)	22-23	Premium Wing•Shok (<i>Upland</i>)	36-37	Strut•Shok Turkey Loads	48
Premium Personal Defense Handgun	24-25	Premium Gold Medal (<i>Target</i>)	38	Speed•Shok Steel Loads	48
Premium Gold Medal Handgun (<i>Target</i>)	24-25			Champion Centerfire and Shotgun Primers	48
				Champion Shotgun Wads	48
				Premium Merchandise	49-51

*Don't see your load in Premium®?
Check the back section of the catalog for more product offerings.*

Cover photo courtesy of Winterhawk Outfitters

Photo courtesy of Winterhawk Outfitters

BREAKING NEW TRAILS WITH THE WORLD LEADER IN AMMUNITION

The itch to move on and see what lies over the next ridge is common in most serious shooters. We're each driven to discover, explore new territory, and master new skills. The reward is a richer, more satisfying outdoor experience.

This year, that desire to break trail is evident in every ammunition category offered by Federal®.

With our new .338 Federal®, we're opening up a whole new territory of opportunity. Teaming with renowned arms maker Sako®, we've created a short-action cartridge that offers the game-dropping power of a fast, heavy round plus the shooting comfort of a non-magnum. We've optimized this versatile .308-based design with three world-class bullets. The new .338 Federal is the ideal choice for the growing number of large-game hunters who prefer to carry lightweight rifles.

By expanding our partnerships with leading brands like Barnes®, we have crossed over that next ridge to deliver additional high-performance offerings. We're also taking our Shotgun Revolution to the next level, by bringing unprecedented performance to shotgun hunters. We offer excellent ammunition solutions to upland, waterfowl and turkey hunters. We're also offering handgun shooters exciting new options that never existed before. The deeper you look into this catalog, the more new and exciting products you'll discover.

Striving to explore and being driven to excel continues to deliver a richer experience. As your Premium® ammunition provider, we are dedicated to excellence and to advancing the performance of our products. We will never stop pursuing what lies just beyond the horizon.

Thanks for your support, enjoy our products,
and remember - Every Shot Counts!™

Mark W. DeYoung
President, Federal Premium® Ammunition



*Trophy Whitetail Harvested with .338 Federal®
at Stasney's Cook Ranch (Albany, TX)*

.338 FEDERAL

Big game *performance* in a new rifle caliber

Federal Premium® has teamed with renowned Finnish arms maker Sako® to create the first rifle cartridge to bear the Federal name — and a big step up in lightweight rifle performance. The incredible .338 Federal®.

Built on the .308 Winchester case, but faster and heavier, the efficient, short-action .338 Federal provides the velocity and trajectory to deliver the devastating terminal energy and expansion to drop deer, bear, elk and moose at up to 300 yards or beyond.

It delivers up to 200 fps more speed than a .308 Win, more muzzle energy than a .30-06 Spring, and the comparable muzzle energy to a 7mm Rem Mag.

But this magnum-level performance doesn't carry the cost of a sore shoulder: the .338 Federal is engineered to optimize the energy of a .338 bullet without the hard kick of a magnum. Now you can depend on big clout without the kick, for hunting that's more effective and more enjoyable.

Topping this incredible new cartridge is your choice of three world-class bullets: the Barnes® Triple Shock™ X-Bullet™, Nosler® Partition® or the Nosler® AccuBond™.

So sling up a new lightweight with confidence. With the new .338 Federal, you've got the grunt to put meat on the table.



The SHOTSHELL REVOLUTION continues.

NEW PRODUCTS

Last year, Federal Premium launched a Shotshell Revolution with innovations and advancements like nothing turkey, deer and waterfowl hunters had ever seen.



NEW VITAL•SHOK® FLITECONTROL™ 00 BUCKSHOT

New Vital•Shok® FLITECONTROL™ 00 Buckshot for deer and varmint hunters. The exclusive FLITECONTROL controlled-release wad focuses shot into a dense, uniform pattern. The result is tight, devastating impact unmatched by any conventional buckshot load – up to twice as many pellets on target as ordinary loads, proven by 30-yard tests. Vital•Shok FLITECONTROL 00 Buckshot loads are available in three 12-gauge versions: 3-inch 12 pellet, 2-3/4 inch 9 pellet, and 2-3/4 inch 9 pellet Low Recoil. Now buckshot hunters have revolutionary performance from their favorite gun.

NEW MAG•SHOK® FLITECONTROL™ HEAVYWEIGHT™ #7

Mag•Shok® FLITECONTROL™ HEAVYWEIGHT™, the hardest hitting, densest turkey shot available, now comes in a smaller shot size. A pull of the trigger puts a swarm of #7 HEAVYWEIGHT pellets on target with the payload energy of #5 lead shot (as measured at 40 yards). Turkey hunters now have six choices of Mag•Shok FLITECONTROL HEAVYWEIGHT loads. Leaving turkeys with none.

MORE BARNES® BULLET INNOVATION

More than ever, Federal Premium® brings the best to your hunt. Case in point: our expanded offering of world-class Barnes® bullets.

Take the new Barnes® Maximum Range X-Bullet™. Deep penetration. Consistent expansion. Pure copper bullet with patented tungsten-based Silvēx® core and Delrin® tip. The new non-toxic Barnes MRX-Bullet is a worthy addition to the world-renowned Vital•Shok® line, and worth considering for any serious big game hunt. It's available in four 180-grain loads: .308 Win, 30-06 Spring, 300 WSM and 300 Win Mag. If you prefer a conventional-size rifle, you may have found your new favorite round.

Six new Barnes® Expander™ solid copper handgun loads, in the most popular calibers, put devastating performance firmly in the grip of handgun deer hunters. A new Barnes Expander 20-gauge copper slug gives rifled-barrel shotgunners more velocity and greater accuracy. For rifle, there are more choices of the famous Barnes Triple-Shock™, nine offerings in Vital•Shok including the new .338 Federal® and four new offerings in our Cape•Shok® line-up.

More innovations, more performance, more choices. Now, Federal Premium® is an even bigger part of the best times of your life.



BARNES® MRX-BULLET™



BARNES® TRIPLE-SHOCK X-BULLET™



BARNES® EXPANDER™ SLUG



BARNES® EXPANDER™ HANDGUN

CENTERFIRE RIFLE



Photo courtesy of Winterhawk Outfitters

PREMIUM® AMMUNITION: EXTENDING CATEGORY LEADERSHIP

When Federal began loading its Premium® line of centerfire rifle cartridges in 1977, it broke new ground in the ammunition business and established a reputation for providing the best available bullets in a top-quality cartridge. With stringent quality control and outstanding accuracy and ballistics, it left many handloaders to ponder the advantages of their hard work at the reloading bench. Federal Premium® offers its Premium loads under a number of different lines, but over the years, Vital-Shok® has evolved

into the broadest, most specialized line of big game ammunition available. Meticulously engineered cartridges are matched to the world's finest bullets—many inspired in big game country by Jack Carter, John Nosler and other legendary figures. Although others have since followed, no one offers a better selection of the highest grade rifle ammunition. Federal Premium Ammunition is synonymous with best-in-class quality and continues to improve on its already strong rifle line with great new bullet choices. As an exam-

ple of these improvements, Federal Premium has recently worked with Barnes® to offer extensive, top-of-the-line options perfect for the true big game hunter. 2006 is no different, as Federal loads a new bullet from Barnes with the most advanced construction ever, the Maximum Range X-Bullet™. In addition, the ever-popular Triple Shock X-Bullet will now be available in large calibers under the Cape-Shok® line. When you have only one shot, make it count—make it Federal Premium.

BULLET OFFERINGS



NEW BARNES® MAXIMUM RANGE X-BULLET™

The MRX™ gives hunters a bullet of the most advanced construction ever. It combines an all-copper bullet from its predecessor, the TSX™, with a tungsten-based Silvex® core and a poly-tip to provide devastating performance at both short and extended distances. New loads: 308 Win, 30-06 Spring, 300 WSM and 300 Win Mag.



BARNES® TRIPLE SHOCK™ X-BULLET™

Extremely accurate, the TSX-Bullet® delivers superior expansion and deep penetration. The all-copper design provides high weight retention for outstanding Knockdown Power®. In 2006, Cape•Shok®, the ultimate ammunition line for the world's most difficult and dangerous game, will also offer the 100% non-toxic TSX-Bullet. Nine new offerings in Vital•Shok® including the new 338 Federal® and four new offerings in our Cape•Shok line-up.



NOSLER® ACCUBOND™

Nosler AccuBond combines the terminal performance of a bonded bullet with the accuracy and retained energy of a Ballistic Tip. Watch for 5 new loads in 25-06 Rem, 270 Weatherby, 7mm Weatherby, 338 Federal® and 338 Win Mag.



NOSLER® BALLISTIC TIP®

It's the proven choice for flat-shooting, wind-defying performance on everything from varmints to medium game. Color-coded poly tip for rapid expansion and easy identification.



SIERRA® GAMEKING®

Long-range hunters insist on Sierra GameKing. It's designed with a precisely tapered, boat-tail shape that reduces drag and delivers high downrange velocity, less wind drift, flat trajectory and unmatched accuracy in reaching distant game.



NOSLER® SOLID BASE™ BOAT-TAIL

A Federal® exclusive, Solid Base is extremely accurate and consistent. Its tapered jacket and boat-tail design provides the ultimate in controlled expansion and reliable performance.



NOSLER® PARTITION®

This world-renowned bullet features a partitioned lead core and shank that allows the front half to mushroom while the rear core remains intact for deep penetration and stopping power. New in 2006, 338 Federal®.



TROPHY BONDED® BEAR CLAW®

For 20 years it's been the standard in stopping power on medium to large dangerous game. Its copper jacket and lead core are 100% bonded for reliable expansion and over 95% weight retention. New in 2006, 458 Lott.



TROPHY BONDED® SLEDGEHAMMER® SOLID

This bonded-bronze, Jack Carter-designed bullet carries a well-deserved reputation for stopping power. The flat nose minimizes deflection for a straight, deep wound cavity in large dangerous game. New in 2006, 458 Lott.



WOODLEIGH® WELDCORE® SOFT POINT AND SOLID

Safari hunters the world over choose these bullets for their superb accuracy, consistent performance and tremendous impact. Special heavy jackets provide excellent weight retention, up to 85% for soft points and 100% for solids.

SCRUTINIZE EVERYTHING. OVERLOOK NOTHING.

No one bullet is ideal for all game. Firearm, caliber, range, penetration, weight retention and expansion should all be considered based on the game and the area you hunt. The bullet selector guide on the next page will help steer you in the right direction. For each type of game, it lists your best choices of Federal Premium® Ammunition.

To further narrow your search and find the ideal bullet for your hunt, use the bullet descriptions and ballistics tables you'll find in this catalog, visit our website at www.federalpremium.com or consult your local, experienced Federal Premium Ammunition dealer.

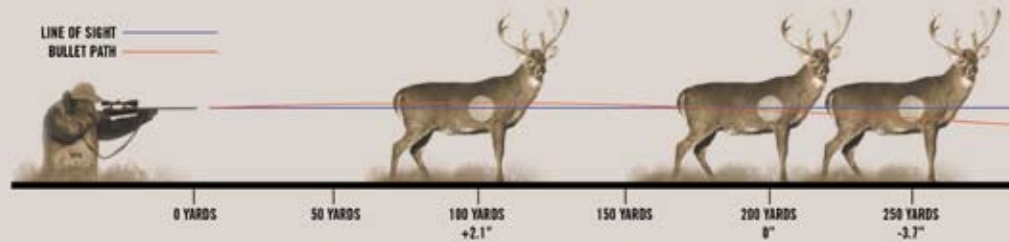


KNOW YOUR BULLET'S TRAJECTORY

“Trajectory” is the arc of the bullet from the firearm’s muzzle. Bullets appear to “rise” because the barrel is angled up. The bullet’s path crosses the line of sight twice — going up near the muzzle and going down through the downrange zero. The mid-range trajectory is the bullet’s highest point above the line of sight. It usually occurs halfway between the muzzle and the zero range. Velocity and bullet design deter-

mine trajectory. Low-velocity cartridges with round-nosed bullets, if sighted for long ranges, will have a very high mid-range trajectory, possibly high enough to cause a miss on close-range targets. For big game hunting, a trajectory height of 3-4 inches is considered acceptable. For small varmints, about 2 inches is maximum.

Consult Federal’s ballistic tables for velocity, trajectory and appropriate downrange zero for your specific cartridge/bullet.



VITAL•SHOK® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES 10 MPH CROSSWIND					
			GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
	2	P223Q	223 Rem. (5.56x45mm)	60	3.89	Nosler Partition	205	3160	2740	2350	2000	1680	1400	1330	1000	735	530	375	260	1.2	5.3	13.1	25.2	42.9
	2	P2225OG	22-250 Rem.	60	3.89	Nosler Partition	210	3500	3040	2630	2250	1910	1600	1630	1235	920	675	485	340	1.1	4.7	11.3	21.6	36.9
NEW	2	P243D	243 Win. (6.16x51mm)	85	5.51	Sierra GameKing BTHP	210	3320	3000	2700	2420	2160	1910	2080	1700	1375	1105	880	690	0.9	3.5	8.2	15.5	25.4
	2	P243K	243 Win. (6.16x51mm)	85	5.51	Barnes Triple Shock X-Bullet	210	3200	2900	2630	2370	2120	1890	1935	1590	1305	1055	850	675	0.8	3.5	8.1	15.2	24.9
	2	P243J	243 Win. (6.16x51mm)	95	6.16	Nosler Ballistic Tip	210	3030	2780	2540	2310	2100	1900	1935	1630	1360	1130	930	760	0.8	3.2	7.5	14.1	23.0
	2	P243S1	243 Win. (6.16x51mm)	100	6.48	Nosler Solid Base BT	210	2970	2730	2500	2280	2070	1870	1960	1650	1385	1150	950	780	0.8	3.3	7.6	14.2	23.1
	2	P243E	243 Win. (6.16x51mm)	100	6.48	Nosler Partition	210	2960	2720	2490	2270	2060	1860	1945	1640	1370	1140	940	765	0.8	3.3	7.7	14.4	23.3
	2	P243C	243 Win. (6.16x51mm)	100	6.48	Sierra GameKing BTSP	210	2960	2740	2530	2330	2150	1960	1945	1670	1425	1210	1020	855	0.7	2.9	6.7	12.6	20.4
	2	P6C	6mm Rem.	100	6.48	Nosler Partition	210	3100	2850	2610	2380	2170	1970	2135	1800	1515	1260	1045	860	0.7	3.1	7.1	13.4	21.9
	2	P257B	257 Roberts	120	7.78	Nosler Partition	210	2780	2550	2330	2120	1930	1740	2060	1730	1445	1200	985	805	0.9	3.5	8.3	15.3	25.3
NEW	2	P2506D	25-06 Rem.	100	6.48	Nosler Ballistic Tip	210	3210	2960	2720	2500	2280	2080	2290	1945	1645	1380	1155	955	0.7	2.9	6.7	12.3	20.2
	2	P2506H	25-06 Rem.	100	6.48	Barnes Triple Shock X-Bullet	210	3210	2970	2750	2530	2330	2140	2290	1960	1675	1425	1205	1015	0.6	2.7	6.2	11.5	18.8
	2	P2506A1	25-06 Rem.	110	7.13	Nosler AccuBond	210	3100	2870	2650	2440	2240	2050	2345	2010	1715	1450	1225	1025	0.6	2.8	6.5	12.1	19.8
	2	P2506E	25-06 Rem.	115	7.45	Nosler Partition	210	2990	2750	2520	2300	2090	1890	2285	1925	1620	1350	1115	915	0.8	3.2	7.4	13.9	22.6
	2	P2506C	25-06 Rem.	117	7.58	Sierra GameKing BTSP	210	2990	2760	2540	2330	2130	1940	2320	1980	1675	1410	1180	980	0.7	3.0	7.0	13.1	21.2
	2	P260B	260 Rem.	120	7.78	Nosler Ballistic Tip	210	2950	2730	2510	2310	2110	1930	2320	1980	1680	1420	1190	990	0.7	3.0	7.0	13.1	21.2
	2	P260A	260 Rem.	140	9.07	Sierra GameKing BTSP	210	2750	2540	2330	2130	1950	1770	2350	1995	1685	1415	1180	975	0.8	3.3	7.9	14.5	23.7
◇ HE	2	P270F	270 Win.	130	8.42	Nosler Ballistic Tip	210	3060	2840	2630	2420	2230	2050	2705	2325	1990	1695	1435	1210	0.6	2.8	6.4	11.9	19.4
	2	P270L	270 Win.	130	8.42	Barnes Triple Shock X-Bullet	210	3060	2850	2660	2470	2290	2110	2705	2350	2035	1755	1510	1290	0.6	2.6	5.9	10.8	17.7
	2	P270P	270 Win.	130	8.42	Nosler Partition	210	3060	2830	2610	2400	2200	2010	2705	2310	1965	1665	1400	1170	0.7	2.9	6.6	12.4	20.2
	2	P270D	270 Win.	130	8.42	Sierra GameKing BTSP	210	3060	2840	2630	2430	2240	2060	2705	2325	1995	1705	1445	1220	0.6	2.7	6.3	11.7	19.1
	2	P270T1	270 Win.	140	9.07	Trophy Bonded Bear Claw	210	2940	2670	2410	2160	1930	1720	2685	2210	1800	1455	1160	920	0.9	3.8	9.0	16.8	27.9
	2	P270T3	270 Win.	140	9.07	Trophy Bonded Bear Claw	210	3100	2820	2550	2300	2060	1830	2985	2465	2015	1635	1315	1045	0.8	3.5	8.3	15.6	25.6
	2	P270A1	270 Win.	140	9.07	Nosler AccuBond	210	2950	2760	2580	2400	2240	2080	2705	2370	2065	1795	1555	1340	0.6	2.5	5.8	10.7	17.4
	2	P270C	270 Win.	150	9.72	Sierra GameKing BTSP	210	2850	2660	2480	2300	2130	1970	2705	2355	2040	1760	1510	1290	0.7	2.7	6.3	11.8	18.9
	2	P270E	270 Win.	150	9.72	Nosler Partition	210	2850	2650	2460	2280	2110	1940	2705	2345	2020	1735	1485	1260	0.7	2.8	6.5	12.2	19.5
	◇	2	P270WSMB	270 Win. Short Magnum	130	8.42	Nosler Ballistic Tip	215	3300	3070	2840	2630	2430	2240	3145	2710	2335	2000	1705	1445	0.6	2.5	5.8	10.6
2		P270WSMD	270 Win. Short Magnum	130	8.42	Barnes Triple Shock X-Bullet	215	3280	3060	2860	2660	2470	2290	3105	2705	2355	2040	1760	1510	0.6	2.3	5.4	9.9	16.0
2		P270WSMP	270 Win. Short Magnum	130	8.42	Nosler Partition	215	3280	3040	2810	2590	2380	2180	3105	2665	2275	1935	1635	1375	0.6	2.6	6.1	11.2	18.4
2		P270WSMT1	270 Win. Short Magnum	140	9.07	Trophy Bonded Bear Claw	215	3200	2910	2640	2380	2140	1910	3185	2630	2160	1760	1420	1130	0.8	3.4	7.9	14.9	24.4
2		P270WSMA1	270 Win. Short Magnum	140	9.07	Nosler AccuBond	215	3200	3000	2810	2620	2450	2280	3185	2795	2450	2140	1860	1615	0.6	2.2	5.2	9.5	15.4
2		P270WSMC	270 Win. Short Magnum	150	9.72	Nosler Partition	215	3160	2950	2750	2550	2370	2190	3325	2895	2515	2175	1870	1600	0.6	2.4	5.7	10.3	16.9
◇	2	P270WBS1	270 Weatherby Magnum	130	8.42	Nosler Solid Base BT	215	3280	3040	2810	2600	2390	2190	3105	2665	2280	1945	1645	1385	0.6	2.6	6.1	11.1	18.2
	2	P270WBT1	270 Weatherby Magnum	140	9.07	Trophy Bonded Bear Claw	215	3100	2820	2550	2300	2060	1830	2985	2465	2015	1635	1315	1045	0.8	3.5	8.3	15.6	25.6

Usage Key: 1 = Varmints, predators, small game; 2 = Medium game; 3 = Large, heavy game; 4 = Dangerous game; 5 = Target shooting, training, practice; 6 = Self defense HE = High Energy (NOT for use in semi-automatic rifles) ◇ = Nickel Plated Case BTHP = Boat-Tail Hollow Point BTSP = Boat-Tail Soft Point BT = Boat-Tail FN = Flat Nose
 These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.2	⊕	-3.2	-12.7	0.5	1.6	⊕	-8.0	-24.8	-54.4	24	P223Q	
-0.3	⊕	-2.3	-9.6	0.2	1.1	⊕	-6.2	-19.3	-42.4	24	P22250G	
-0.3	⊕	-2.4	-9.5	0.3	1.2	⊕	-5.9	-17.9	-37.2	24	P243D	
-0.3	⊕	-2.7	-10.3	0.4	1.3	⊕	-6.3	-19.0	-39.2	24	P243K	
-0.2	⊕	-3.0	-11.4	0.5	1.5	⊕	-6.9	-20.4	-41.5	24	P243J	
-0.2	⊕	-3.2	-12.0	0.6	1.6	⊕	-7.2	-21.1	-42.9	24	P243S1	
-0.2	⊕	-3.2	-12.1	0.6	1.6	⊕	-7.2	-21.3	-43.4	24	P243E	
-0.2	⊕	-3.1	-11.7	0.6	1.6	⊕	-7.0	-20.4	-41.3	24	P243C	
-0.3	⊕	-2.8	-10.7	0.4	1.4	⊕	-6.5	-19.2	-39.2	24	P6C	
-0.1	⊕	-3.8	-14.2	0.8	1.9	⊕	-8.4	-24.4	-50.0	24	P257B	
-0.3	⊕	-2.5	-9.7	0.3	1.2	⊕	-6.0	-17.5	-35.8	24	P2506D	
-0.3	⊕	-2.4	-9.5	0.3	1.2	⊕	-5.8	-17.0	-34.8	24	P2506H	
-0.3	⊕	-2.8	-10.4	0.4	1.4	⊕	-6.3	-18.5	-37.7	24	P2506A1	
-0.2	⊕	-3.1	-11.7	0.6	1.6	⊕	-7.0	-20.7	-42.2	24	P2506E	
-0.2	⊕	-3.1	-11.5	0.5	1.5	⊕	-6.9	-20.3	-41.2	24	P2506C	
-0.2	⊕	-3.2	-11.9	0.6	1.6	⊕	-7.1	-20.8	-42.1	24	P260B	
-0.1	⊕	-3.9	-14.3	0.8	2.0	⊕	-8.5	-24.4	-49.7	24	P260A	
-0.3	⊕	-2.9	-10.7	0.5	1.4	⊕	-6.4	-18.8	-38.2	24	P270F	
-0.3	⊕	-2.8	-10.5	0.4	1.4	⊕	-6.3	-18.3	-37.1	24	P270L	
-0.2	⊕	-2.9	-10.8	0.5	1.4	⊕	-6.5	-19.1	-38.8	24	P270P	
-0.3	⊕	-2.8	-10.7	0.5	1.4	⊕	-6.4	-18.8	-38.1	24	P270D	
-0.2	⊕	-3.4	-12.9	0.7	1.7	⊕	-7.8	-22.9	-47.6	24	P270T1	
-0.3	⊕	-2.9	-11.2	0.5	1.5	⊕	-6.8	-20.3	-41.8	24	P270T3	
-0.2	⊕	-3.1	-11.3	0.6	1.5	⊕	-6.7	-19.5	-39.3	24	P270A1	
-0.2	⊕	-3.4	-12.5	0.7	1.7	⊕	-7.4	-21.4	-43.0	24	P270C	
-0.2	⊕	-3.4	-12.6	0.7	1.7	⊕	-7.4	-21.7	-43.4	24	P270E	
-0.3	⊕	-2.2	-8.7	0.2	1.1	⊕	-5.4	-15.8	-32.2	24	P270WSMB	
-0.3	⊕	-2.2	-8.7	0.2	1.1	⊕	-5.4	-15.7	-31.7	24	P270WSMD	
-0.3	⊕	-2.3	-9.0	0.3	1.1	⊕	-5.6	-16.3	-33.2	24	P270WSMP	
-0.3	⊕	-2.6	-10.2	0.4	1.3	⊕	-6.3	-18.8	-38.8	24	P270WSMT1	
-0.3	⊕	-2.4	-9.2	0.3	1.2	⊕	-5.6	-16.2	-32.7	24	P270WSMA1	
-0.3	⊕	-2.5	-9.6	0.3	1.3	⊕	-5.9	-17.0	-34.5	24	P270WSMC	
-0.3	⊕	-2.3	-9.0	0.3	1.1	⊕	-5.6	-16.2	-33.1	24	P270WBS1	
-0.3	⊕	-2.9	-11.2	0.5	1.5	⊕	-6.8	-20.3	-41.8	24	P270WBT1	

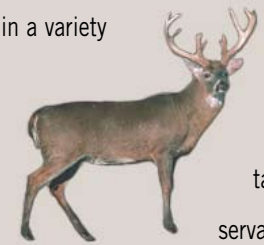


Photo courtesy of Winterhawk Outfitters

MEDIUM GAME: CENTERFIRE RIFLE

A PIECE OF HISTORY, A TOUCH OF TECHNOLOGY

Vital•Shok® offers more than just cartridges made famous by the pioneers of centerfire rifle technology. Sure, the .243 and .270 have been around for years and take game in a variety of circumstances and under the most intense conditions. But a lot of innovation has occurred since the .270 was brought to life in 1925.



offerings on this page—a unique idea made better by the top-quality bullets Federal Premium has made mainstream. We've also improved on the old favorites with our High Energy offerings—each of which gives back to important game habitat and the conservation group Rocky Mountain Elk Foundation. Look for the logo on the box and help us support an important initiative. We're all in this together.



PROUD SUPPORTER OF THE ROCKY MOUNTAIN ELK FOUNDATION,
PROMOTING HUNTING AND CONSERVATION WORLDWIDE

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.3	◆	-2.6	-10.0	0.4	1.3	◆	-6.0	-17.4	-35.2	24	P270WBA2	
-0.1	◆	-5.1	-19.9	1.2	2.6	◆	-12.2	-38.1	-84.5	24	P730A	
-0.1	◆	-4.3	-15.4	1.0	2.1	◆	-9.0	-25.8	-52.6	24	P7C	
-0.1	◆	-3.6	-13.5	0.8	1.8	◆	-8.0	-23.1	-46.6	24	P708A	
-0.2	◆	-3.6	-13.1	0.7	1.8	◆	-7.7	-22.3	-44.5	24	P708A2	
-0.2	◆	-3.6	-13.1	0.7	1.8	◆	-7.7	-22.3	-44.5	24	P708B	
-0.2	◆	-3.4	-12.3	0.7	1.7	◆	-7.2	-21.2	-42.6	24	P708S1	
-0.2	◆	-3.0	-10.9	0.5	1.5	◆	-6.5	-18.9	-38.2	24	P280A2	
-0.2	◆	-3.0	-11.0	0.5	1.5	◆	-6.5	-19.1	-38.5	24	P280D	
-0.2	◆	-2.9	-10.8	0.5	1.4	◆	-6.4	-18.8	-38.1	24	P280S1	
-0.2	◆	-3.3	-12.2	0.6	1.7	◆	-7.2	-21.1	-42.4	24	P280A	
-0.2	◆	-3.5	-12.8	0.7	1.8	◆	-7.5	-21.6	-43.1	24	P280A1	
-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-6.0	-17.6	-35.8	24	P7RG	
-0.3	◆	-2.6	-10.0	0.4	1.3	◆	-6.0	-17.4	-35.2	24	P7RA2	
-0.3	◆	-2.7	-10.2	0.4	1.4	◆	-6.2	-18.1	-36.7	24	P7RD	
-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-6.0	-17.3	-34.9	24	P7RH	
-0.2	◆	-3.1	-11.4	0.6	1.6	◆	-6.7	-19.5	-39.3	24	P7RN	
-0.2	◆	-3.1	-11.2	0.5	1.5	◆	-6.6	-19.1	-38.4	24	P7RA1	
-0.1	◆	-3.9	-14.6	0.9	2.0	◆	-8.7	-25.3	-52.6	24	P7RT2	
-0.2	◆	-3.1	-11.5	0.6	1.6	◆	-6.8	-19.8	-40.0	24	P7RF	
-0.2	◆	-3.1	-11.6	0.6	1.6	◆	-6.9	-20.1	-40.5	24	P7RE	
-0.1	◆	-3.8	-14.0	0.8	1.9	◆	-8.3	-24.0	-48.9	24	P7RT1	
-0.3	◆	-2.1	-8.4	0.2	1.1	◆	-5.2	-15.2	-30.6	24	P7WSMB	
-0.3	◆	-2.3	-9.1	0.3	1.2	◆	-5.6	-16.3	-33.0	24	P7WSMS1	
-0.3	◆	-2.5	-9.7	0.4	1.3	◆	-5.9	-16.8	-33.8	24	P7WSMA1	
-0.3	◆	-2.5	-9.6	0.3	1.3	◆	-5.9	-16.9	-34.3	24	P7WSMC	
-0.2	◆	-3.0	-10.9	0.5	1.5	◆	-6.5	-18.8	-37.8	24	P7WSMD	
-0.3	◆	-2.3	-9.1	0.3	1.2	◆	-5.6	-16.3	-33.0	24	P7WBS1	
-0.2	◆	-3.0	-11.4	0.5	1.5	◆	-6.9	-20.5	-42.1	24	P7WBT1	
-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-5.9	-17.1	-34.3	24	P7WBA1	
-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-5.9	-17.1	-34.3	24	P7STWA1	
0.3	◆	-8.4	-30.0	2.4	4.2	◆	-17.4	-53.5	-114.4	24	P3030D	
-0.2	◆	-3.6	-13.4	0.7	1.8	◆	-8.0	-23.4	-47.8	24	P308S	
-0.1	◆	-3.7	-13.9	0.8	1.9	◆	-8.2	-23.9	-48.9	24	P308S1	



**INCREDIBLE ACCURACY.
MASSIVE STOPPING POWER.
MORE OF BOTH.**

If you're after long-range accuracy, Nosler® AccuBond™ is your load. AccuBond combines the pinpoint accuracy and retained energy of a ballistic tip with the terminal per-

formance of a bonded bullet. If sheer stopping power is paramount, Trophy Bonded® Bear Claw® sets the standard. This season Federal Premium® offers more choices for your hunt.



Trophy Bonded® Bear Claw®



MEDIUM AND LARGE GAME: CENTERFIRE RIFLE



Photo courtesy of Winterhawk Outfitters

CHECK BACK OFTEN; THINGS EVOLVE QUICKLY AROUND HERE

The world-renowned Vital•Shok® line of centerfire rifle cartridges continues to improve on an already impressive list of available bullets. Federal offers the most variety of any ammunition company and is proud to introduce the most advanced bullet

-based Silvēx® core, copper bullet with a poly-tip. It's an amazing combination of bullet strength and programmed expansion that yields outstanding impact at short and long range. The poly tip on the MRX is made of Delrin®—which won't fragment




offering yet—the Barnes® Maximum Range X-Bullet™. The MRX is of the most high technology construction—providing the only available tungsten

on impact or blow up on game. You get nearly 100% weight retention, a non-toxic bullet and incredible performance at long ranges.



HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.2	⊕	-3.6	-13.2	0.7	1.8	⊕	-7.8	-22.7	-45.8	24	P308F	
-0.2	⊕	-3.6	-13.3	0.7	1.8	⊕	-7.9	-22.9	-46.1	24	P308V	
-0.1	⊕	-4.2	-15.3	1.0	2.1	⊕	-8.9	-25.7	-52.5	24	P308S2	
-0.1	⊕	-4.4	-15.9	1.0	2.2	⊕	-9.3	-27.5	-57.1	24	P308T1	
-0.1	⊕	-3.9	-14.2	0.9	2.0	⊕	-8.3	-23.8	-47.5	24	P308H	
-0.1	⊕	-4.2	-15.1	0.9	2.1	⊕	-8.9	-25.6	-52.7	24	P308C	
-0.1	⊕	-4.4	-15.6	1.0	2.2	⊕	-9.1	-25.9	-52.3	24	P308E	
-0.1	⊕	-4.2	-15.1	1.0	2.1	⊕	-8.7	-24.8	-49.2	24	P308W	
-0.1	⊕	-3.8	-13.9	0.8	1.9	⊕	-8.2	-23.5	-47.1	24	P308G	
-0.2	⊕	-3.4	-12.7	0.7	1.7	⊕	-7.6	-22.3	-45.5	24	P3006G	
-0.2	⊕	-3.3	-12.2	0.6	1.6	⊕	-7.2	-21.1	-42.6	24	P3006P	
-0.2	⊕	-3.6	-13.1	0.7	1.8	⊕	-7.8	-22.4	-44.9	24	P3006Q	
-0.1	⊕	-3.7	-13.7	0.8	1.9	⊕	-8.1	-23.4	-47.3	24	P3006S2	
-0.1	⊕	-3.9	-14.4	0.8	1.9	⊕	-8.6	-25.2	-52.6	24	P3006T1	
-0.2	⊕	-3.6	-13.3	0.7	1.8	⊕	-7.9	-23.0	-46.8	24	P3006AD	
-0.2	⊕	-3.5	-12.9	0.7	1.8	⊕	-7.6	-22.0	-43.9	24	P3006AF	
-0.1	⊕	-3.7	-13.8	0.8	1.9	⊕	-8.2	-23.7	-48.3	24	P3006D	
-0.1	⊕	-4.0	-14.5	0.9	2.0	⊕	-8.5	-24.4	-48.7	24	P3006F	
-0.1	⊕	-3.9	-13.9	0.8	1.9	⊕	-8.1	-23.3	-46.1	24	P3006AH	
-0.1	⊕	-3.9	-13.9	0.8	1.9	⊕	-8.1	-23.3	-46.1	24	P3006AE	
-0.1	⊕	-3.9	-14.2	0.9	2.0	⊕	-8.3	-23.8	-47.4	24	P3006A1	
-0.1	⊕	-4.3	-15.5	1.0	2.1	⊕	-9.1	-26.7	-55.4	24	P3006T2	
-0.2	⊕	-3.3	-12.2	0.7	1.7	⊕	-7.2	-21.0	-42.2	24	P3006R	
-0.2	⊕	-3.5	-13.3	0.7	1.8	⊕	-8.0	-23.4	-48.5	24	P300HA	
-0.2	⊕	-3.2	-11.8	0.6	1.6	⊕	-6.9	-20.0	-40.0	24	P300HB	
-0.3	⊕	-2.5	-9.9	0.3	1.3	⊕	-6.2	-18.6	-38.7	24	P300WT4	
-0.2	⊕	-2.9	-10.9	0.5	1.5	⊕	-6.6	-19.4	-39.5	24	P300WK	
-0.3	⊕	-2.8	-10.4	0.4	1.4	⊕	-6.2	-18.0	-36.2	24	P300WR	
-0.3	⊕	-2.6	-10.0	0.4	1.3	⊕	-6.1	-17.8	-36.2	24	P300WS1	
-0.2	⊕	-3.0	-11.0	0.5	1.5	⊕	-6.5	-18.7	-37.6	24	P300WP	
-0.2	⊕	-3.0	-11.2	0.5	1.5	⊕	-6.6	-19.2	-38.7	24	P300WA1	
-0.2	⊕	-3.0	-11.0	0.5	1.5	⊕	-6.5	-18.7	-37.6	24	P300WX	
-0.2	⊕	-3.3	-12.3	0.6	1.6	⊕	-7.4	-21.9	-45.0	24	P300WD2	
-0.2	⊕	-3.3	-12.3	0.6	1.6	⊕	-7.4	-21.7	-44.5	24	P300WT2	

VITAL•SHOK® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES TO 10 MPH CROSSWIND					
			GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
◇	3	P300WT1	300 Win. Magnum	200	12.96	Trophy Bonded Bear Claw	215	2700	2480	2260	2060	1870	1690	3235	2720	2275	1885	1550	1265	0.9	3.6	8.5	15.7	26.1
	2	P300WSMD	300 Win. Short Magnum	150	9.72	Nosler Ballistic Tip	215	3200	2970	2760	2550	2350	2160	3410	2940	2530	2165	1840	1560	0.6	2.6	6.0	11.0	18.0
	2	P300WSME	300 Win. Short Magnum	165	10.69	Nosler Partition	215	3130	2890	2670	2450	2250	2060	3590	3065	2605	2205	1855	1545	0.6	2.8	6.6	12.2	19.9
NEW	2	P300WSMG	300 Win. Short Magnum	165	10.69	Barnes Triple Shock X-Bullet	215	3130	2940	2750	2570	2400	2240	3590	3160	2770	2425	2110	1830	0.5	2.2	5.3	9.5	15.5
	2	P300WSMS1	300 Win. Short Magnum	180	11.66	Nosler Solid Base BT	215	3130	2900	2690	2480	2290	2100	3590	3090	2645	2260	1915	1615	0.6	2.7	6.2	11.5	18.8
	3	P300WSMB	300 Win. Short Magnum	180	11.66	Nosler Partition	215	2980	2780	2590	2410	2230	2060	3550	3090	2680	2315	1990	1700	0.6	2.6	6.0	11.1	18.0
	3	P300WSMA1	300 Win. Short Magnum	180	11.66	Nosler AccuBond	215	2960	2770	2600	2420	2260	2100	3500	3075	2690	2350	2040	1765	0.6	2.5	5.6	10.4	16.8
	2	P300WSMS2	300 Win. Short Magnum	180	11.66	Nosler Solid Base BT	215	2980	2790	2600	2430	2260	2090	3550	3105	2705	2350	2030	1750	0.6	2.5	5.7	10.6	17.3
◇	3	P300WSMT1	300 Win. Short Magnum	180	11.66	Trophy Bonded Bear Claw	215	2970	2720	2470	2250	2030	1830	3525	2945	2445	2015	1645	1330	0.8	3.4	8.0	15.0	24.5
NEW	3	P300WSMJ	300 Win. Short Magnum	180	11.66	Barnes MRX-Bullet	215	2980	2810	2640	2480	2330	2180	3550	3150	2790	2465	2170	1900	0.5	2.2	5.1	9.3	15.1
	3	P300WSMF	300 Win. Short Magnum	180	11.66	Barnes Triple Shock X-Bullet	215	2980	2810	2640	2480	2330	2180	3550	3150	2790	2465	2170	1900	0.5	2.2	5.1	9.3	15.1
◇	3	P300WBA	300 Weatherby Magnum	180	11.66	Nosler Partition	215	3190	2980	2780	2590	2410	2230	4065	3550	3090	2680	2315	1990	0.6	2.3	5.5	10.0	16.3
NEW ◇	3	P300WBE	300 Weatherby Magnum	180	11.66	Barnes Triple Shock X-Bullet	215	3110	2930	2760	2600	2440	2290	3865	3440	3050	2700	2380	2095	0.5	2.0	4.8	8.7	14.1
◇	3	P300WBT1	300 Weatherby Magnum	180	11.66	Trophy Bonded Bear Claw	215	3100	2840	2590	2360	2130	1920	3840	3220	2680	2215	1820	1480	0.7	3.2	7.5	14.1	23.0
◇	2	P300RUMS1	300 Rem. Ultra Magnum	165	10.69	Nosler Solid Base BT	216	3350	3110	2890	2670	2470	2280	4110	3550	3055	2620	2235	1895	0.6	2.4	5.7	10.5	17.0
◇	3	P300RUMT1	300 Rem. Ultra Magnum	180	11.66	Trophy Bonded Bear Claw	216	3250	2980	2720	2480	2250	2040	4220	3545	2965	2460	2030	1655	0.7	3.0	7.1	13.2	21.6
NEW ◇	3	P300RUMD	300 Rem. Ultra Magnum	180	11.66	Barnes Triple Shock X-Bullet	216	3150	2970	2800	2630	2480	2320	3965	3530	3130	2775	2450	2155	0.5	2.0	4.7	8.6	13.8
◇	3	P300RUMC	300 Rem. Ultra Magnum	200	12.96	Nosler Partition	216	3070	2870	2680	2490	2320	2150	4185	3655	3180	2760	2380	2045	0.5	2.5	5.7	10.4	17.0
NEW	3	P338FA1	338 Federal 	180	11.66	Nosler AccuBond	210	2830	2590	2350	2130	1930	1730	3200	2670	2215	1820	1480	1200	0.9	3.6	8.6	15.8	26.2
NEW	3	P338FC	338 Federal	185	11.99	Barnes Triple Shock X-Bullet	210	2750	2550	2350	2160	1980	1810	3105	2660	2265	1920	1615	1350	0.8	3.1	7.4	13.8	22.3
NEW	3	P338FB	338 Federal	210	13.61	Nosler Partition	210	2630	2410	2200	2010	1820	1650	3225	2710	2265	1880	1545	1265	0.8	3.7	8.7	16.1	26.8
NEW	3	P338A3	338 Win. Magnum	180	11.66	Nosler AccuBond	215	3120	2860	2610	2380	2160	1950	3890	3265	2730	2265	1865	1520	0.7	3.2	7.3	13.8	22.5
	3	P338A2	338 Win. Magnum	210	13.61	Nosler Partition	215	2830	2600	2380	2180	1980	1790	3735	3155	2650	2210	1825	1500	0.9	3.3	7.9	14.7	24.0
	3	P338A1	338 Win. Magnum	225	14.58	Nosler AccuBond	215	2800	2630	2480	2320	2170	2030	3915	3465	3060	2690	2355	2055	0.6	2.4	5.6	10.3	16.6
	3	P338K	338 Win. Magnum	225	14.58	Barnes Triple Shock X-Bullet	215	2800	2610	2430	2260	2090	1930	3915	3405	2950	2545	2185	1860	0.7	2.7	6.5	12.0	19.2
◇	3	P338T1	338 Win. Magnum	225	14.58	Trophy Bonded Bear Claw	215	2800	2560	2330	2110	1900	1710	3915	3265	2700	2220	1805	1455	0.9	3.7	8.7	16.1	26.7
	3	P338B2	338 Win. Magnum	250	16.2	Nosler Partition	215	2660	2470	2300	2120	1960	1800	3925	3395	2925	2505	2130	1805	0.7	3.0	7.1	13.1	21.2
◇	3	P338RUMA	338 Rem. Ultra Magnum	210	13.61	Nosler Partition	216	3030	2790	2570	2350	2150	1950	4280	3635	3070	2575	2150	1775	0.7	3.0	7.1	13.2	21.5
◇	3	P338RUMA1	338 Rem. Ultra Magnum	225	14.58	Nosler AccuBond	216	3020	2850	2680	2520	2360	2210	4555	4045	3585	3165	2785	2445	0.5	2.2	5.0	9.1	14.8
◇	3	P340WBT1	340 Weatherby Magnum	225	14.58	Trophy Bonded Bear Claw	215	2900	2650	2410	2190	1980	1780	4200	3510	2910	2395	1955	1580	0.9	3.5	8.3	15.5	25.3
◇	3	P375T4	375 H&H Magnum	250	16.20	Trophy Bonded Bear Claw	215	2670	2410	2170	1940	1730	1530	3955	3230	2610	2090	1655	1305	1.0	4.4	10.2	19.4	32.1
◇	3	P375A1	375 H&H Magnum	260	16.85	Nosler AccuBond	215	2700	2510	2330	2160	1990	1830	4210	3640	3130	2685	2285	1935	0.7	2.9	7.0	13.0	20.9

Usage Key: 1 = Varmints, predators, small game; 2 = Medium game; 3 = Large, heavy game; 4 = Dangerous game; 5 = Target shooting, training, practice; 6 = Self defense ◇ = Nickel Plated Case BT = Boat-Tail See pages 18-19 for additional offerings in 375 H&H Magnum.

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

MEDIUM AND LARGE GAME: CENTERFIRE RIFLE



NEW .338 FEDERAL®. POWER WITHOUT MAGNUM KICK.

Now you can get magnum performance without the heavy recoil of a magnum cartridge. Just load up the new .338 Federal®. Specially designed for modern lightweight rifles and originally available only from Sako™, the exclusive .338 Federal is based on the short, efficient .308 Win, but necked up to accept a heavier bullet capable of dropping large game at up to 300 yards. Topped with your choice

of world-renowned bullets — Nosler® AccuBond™, Nosler® Partition® or the Barnes® Triple Shock™ X-Bullet™ — the .338 Federal has the weight and velocity to bring terminal energy to your target. Its controlled expansion bullet offerings take down medium to large game like deer, bear, elk and moose. All with the comfort of a non-magnum load. With this cartridge, you get big performance in an easy-carry lightweight rifle — and more enjoyment out of your hunt. And that's the biggest kick of all.



HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.												TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE									
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.				
-0.1	⊕	-4.2	-15.2	0.9	2.1	⊕	-8.9	-25.9	-53.3	24	P300WT1		
-0.3	⊕	-2.4	-9.5	0.3	1.2	⊕	-5.8	-16.9	-34.5	24	P300WSMD		
-0.3	⊕	-2.7	-10.2	0.4	1.3	⊕	-6.2	-18.2	-37.1	24	P300WSME		
-0.3	⊕	-2.5	-9.7	0.4	1.3	⊕	-5.9	-16.9	-34.2	24	P300WSMG		
-0.3	⊕	-2.7	-10.1	0.4	1.3	⊕	-6.1	-17.9	-36.4	24	P300WSMS1		
-0.2	⊕	-3.0	-11.2	0.5	1.5	⊕	-6.6	-19.1	-38.6	24	P300WSMB		
-0.2	⊕	-3.0	-11.2	0.5	1.5	⊕	-6.6	-19.1	-38.6	24	P300WSMA1		
-0.2	⊕	-3.0	-11.1	0.5	1.5	⊕	-6.6	-19.2	-38.7	24	P300WSMS2		
-0.2	⊕	-3.2	-12.1	0.6	1.6	⊕	-7.3	-21.5	-44.1	24	P300WSMT1		
-0.2	⊕	-2.9	-10.8	0.5	1.5	⊕	-6.4	-18.4	-37.0	24	P300WSMJ		
-0.2	⊕	-2.9	-10.8	0.5	1.5	⊕	-6.4	-18.4	-37.0	24	P300WSMF		
-0.3	⊕	-2.4	-9.4	0.3	1.2	⊕	-5.7	-16.6	-33.5	24	P300WBA		
-0.3	⊕	-2.6	-9.7	0.4	1.3	⊕	-5.9	-16.8	-33.6	24	P300WBE		
-0.3	⊕	-2.8	-10.8	0.5	1.4	⊕	-6.6	-19.5	-39.9	24	P300WBT1		
-0.3	⊕	-2.1	-8.4	0.2	1.0	⊕	-5.2	-15.3	-31.1	24	P300RUMS1		
-0.3	⊕	-2.4	-9.6	0.3	1.2	⊕	-5.9	-17.5	-35.9	24	P300RUMT1		
-0.3	⊕	-2.4	-9.3	0.3	1.2	⊕	-5.7	-16.3	-32.6	24	P300RUMD		
-0.3	⊕	-2.8	-10.4	0.4	1.4	⊕	-6.2	-18.0	-36.4	24	P300RUMC		
-0.2	⊕	-3.7	-13.7	0.8	1.8	⊕	-8.2	-23.9	-49.3	24	P338FA1		
-0.1	⊕	-3.8	-14.1	0.8	1.9	⊕	-8.3	-24.1	-48.5	24	P338FC		
-0.1	⊕	-4.5	-16.2	1.1	2.3	⊕	-9.4	-27.3	-56.3	24	P338FB		
-0.3	⊕	-2.8	-10.6	0.4	1.4	⊕	-6.4	-19.1	-39.2	24	P338A3		
-0.2	⊕	-3.6	-13.4	0.7	1.8	⊕	-8.0	-23.3	-47.5	24	P338A2		
-0.2	⊕	-3.5	-12.7	0.7	1.8	⊕	-7.4	-21.4	-42.6	24	P338A1		
-0.2	⊕	-3.6	-13.1	0.7	1.8	⊕	-7.7	-22.3	-44.6	24	P338K		
-0.1	⊕	-3.8	-14.1	0.8	1.9	⊕	-8.4	-24.5	-50.6	24	P338T1		
-0.1	⊕	-4.2	-15.0	1.0	2.1	⊕	-8.8	-25.1	-50.5	24	P338B2		
-0.2	⊕	-3.0	-11.2	0.5	1.5	⊕	-6.7	-19.9	-40.4	24	P338RUMA		
-0.2	⊕	-2.8	-10.5	0.5	1.4	⊕	-6.2	-17.9	-36.0	24	P338RUMA1		
-0.2	⊕	-3.4	-12.9	0.7	1.7	⊕	-7.8	-22.7	-46.6	24	P340WBT1		
-0.1	⊕	-4.5	-16.4	1.1	2.3	⊕	-9.6	-28.6	-59.4	24	P375T4		
-0.1	⊕	-4.0	-14.5	0.9	2.0	⊕	-8.5	-24.5	-48.9	24	P375A1		

CAPE•SHOK® | CENTERFIRE RIFLE SPECIFICATIONS

	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES 10 MPH CROSSWIND				
				GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.
◇	4	P375F	375 H&H Magnum	300	19.44	Nosler Partition	215	2530	2320	2110	1920	1740	1570	4265	3570	2970	2450	2010	1640	0.9	4.0	9.2	17.4	28.6
NEW ◇	4	P375H	375 H&H Magnum	300	19.44	Barnes Triple Shock X-Bullet	215	2470	2320	2170	2030	1890	1760	4065	3575	3135	2740	2380	2065	0.6	2.9	6.7	12.0	19.7
◇	4	P375T1	375 H&H Magnum	300	19.44	Trophy Bonded Bear Claw	215	2530	2280	2050	1830	1630	1440	4265	3465	2790	2225	1760	1385	1.1	4.7	11.0	21.0	34.4
◇	4	P375T2	375 H&H Magnum	300	19.44	Trophy Bonded Sledgehammer Solid	215	2530	2200	1890	1620	1380	1190	4265	3215	2380	1740	1260	940	1.5	6.5	16.0	30.5	51.1
◇	4	P375T3	375 H&H Magnum	300	19.44	Trophy Bonded Bear Claw	215	2600	2350	2110	1890	1680	1490	4505	3670	2965	2365	1880	1480	1.0	4.5	10.5	20.1	33.1
NEW ◇	4	P416D	416 Rigby	400	25.92	Barnes Triple Shock X-Bullet	216	2400	2250	2100	1960	1820	1700	5115	4485	3920	3405	2950	2550	0.8	3.2	7.1	12.9	21.2
◇	4	P416T1	416 Rigby	400	25.92	Trophy Bonded Bear Claw	216	2370	2150	1940	1750	1570	1410	4990	4110	3350	2715	2190	1760	1.2	4.6	11.1	20.8	33.9
◇	4	P416T2	416 Rigby	400	25.92	Trophy Bonded Sledgehammer Solid	216	2370	2070	1800	1550	1340	1170	4990	3815	2870	2135	1590	1215	1.6	6.6	16.1	30.5	50.5
NEW ◇	4	P416RB	416 Rem. Magnum	400	25.92	Barnes Triple Shock X-Bullet	216	2370	2220	2070	1930	1800	1670	4990	4370	3815	3315	2870	2480	0.8	3.2	7.1	13.2	21.7
◇	4	P416RT1	416 Rem. Magnum	400	25.92	Trophy Bonded Bear Claw	216	2400	2180	1970	1770	1590	1430	5115	4215	3445	2790	2250	1805	1.2	4.6	10.9	20.5	33.4
◇	4	P416RT2	416 Rem. Magnum	400	25.92	Trophy Bonded Sledgehammer Solid	216	2400	2100	1820	1570	1360	1190	5115	3920	2950	2200	1635	1245	1.6	6.5	15.8	29.9	49.7
◇	4	P458T1	458 Win. Magnum	400	25.92	Trophy Bonded Bear Claw	215	2380	2150	1930	1720	1540	1370	5030	4095	3300	2640	2100	1670	1.3	4.9	11.8	22.1	36.3
◇	4	P458T2	458 Win. Magnum	500	32.40	Trophy Bonded Bear Claw	215	2090	1820	1580	1370	1200	1080	4850	3685	2775	2080	1595	1285	1.7	7.7	18.3	34.4	55.8
◇	4	P458T3	458 Win. Magnum	500	32.40	Trophy Bonded Sledgehammer Solid	215	2090	1860	1650	1450	1290	1160	4850	3830	3005	2345	1845	1485	1.4	6.5	15.3	28.8	46.8
NEW ◇	4	P458D	458 Win. Magnum	500	32.40	Barnes Triple Shock X-Bullet	215	2050	1910	1770	1640	1520	1400	4665	4025	3465	2980	2550	2185	0.7	3.9	9.4	17.0	27.4
NEW ◇	4	P458LT1	458 Lott	500	32.40	Trophy Bonded Bear Claw	216	2300	2020	1760	1520	1320	1160	5875	4515	3420	2565	1935	1495	1.6	6.7	16.1	30.5	50.3
NEW ◇	4	P458LT2	458 Lott	500	32.40	Trophy Bonded Sledgehammer Solid	216	2300	2060	1830	1620	1430	1270	5875	4690	3700	2900	2260	1780	1.4	5.6	13.6	25.2	41.7
◇	4	P470A	470 Nitro Express	500	32.40	Woodleigh Weldcore SP	216	2150	1890	1660	1450	1270	1130	5130	3975	3050	2325	1790	1425	1.5	6.9	16.3	30.9	50.4
◇	4	P470B	470 Nitro Express	500	32.40	Woodleigh Solid	216	2150	1890	1660	1450	1270	1130	5130	3975	3050	2325	1790	1425	1.5	6.9	16.3	30.9	50.4
◇	4	P470T1	470 Nitro Express	500	32.40	Trophy Bonded Bear Claw	216	2150	1890	1660	1450	1270	1130	5130	3975	3045	2320	1785	1420	1.5	7.0	16.4	31.0	50.6
◇	4	P470T2	470 Nitro Express	500	32.40	Trophy Bonded Sledgehammer Solid	216	2150	1880	1630	1410	1230	1090	5130	3900	2935	2195	1670	1330	1.6	7.5	17.8	33.5	54.7

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense ◇ = Nickel Plated Case SP = Soft Point See pages 16-17 for additional offerings in 375 H&H Magnum. These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

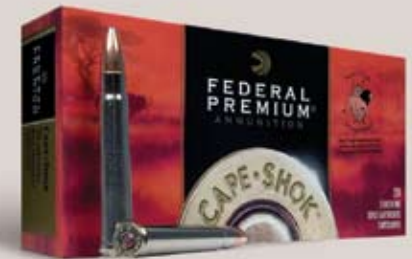
LARGE AND DANGEROUS GAME: CENTERFIRE RIFLE

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.												
	AVERAGE RANGE				LONG RANGE						TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
	50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.		
	0.0	⊕	-5.1	-17.7	1.3	2.5	⊕	-10.2	-30.1	-61.6	24	P375F
	0.0	⊕	-5.0	-17.4	1.3	2.5	⊕	-9.8	-27.9	-56.1	24	P375H
	0.0	⊕	-5.2	-18.7	1.3	2.6	⊕	-10.8	-32.5	-66.9	24	P375T1
	⊕	-0.1	-5.8	-21.6	0.0	⊕	-5.7	-21.4	-50.4	-98.5	24	P375T2
	0.0	⊕	-4.9	-17.4	1.2	2.4	⊕	-10.1	-30.4	-62.9	24	P375T3
	⊕	-0.1	-5.7	-19.0	0.1	⊕	-5.4	-18.6	-40.8	-74.0	24	P416D
	⊕	-0.2	-6.4	-21.9	0.1	⊕	-6.0	-21.3	-48.1	-88.8	24	P416T1
	⊕	-0.3	-7.1	-25.0	0.1	⊕	-6.6	-24.2	-56.3	-108.3	24	P416T2
	⊕	-0.2	-5.9	-19.6	0.1	⊕	-5.6	-19.1	-42.1	-76.2	24	P416RB
	⊕	-0.2	-6.2	-21.2	0.1	⊕	-5.8	-20.6	-46.8	-86.4	24	P416RT1
	⊕	-0.2	-6.8	-24.2	0.1	⊕	-6.4	-23.5	-54.6	-105.2	24	P416RT2
	⊕	-0.2	-6.4	-22.2	0.1	⊕	-6.0	-21.5	-48.8	-90.8	24	P458T1
	⊕	-0.8	-10.7	-34.5	0.4	⊕	-9.2	-32.2	-74.1	-140.5	24	P458T2
	⊕	-0.7	-10.2	-32.3	0.3	⊕	-8.8	-30.2	-68.5	-127.8	24	P458T3
	⊕	-0.7	-9.5	-29.7	0.3	⊕	-8.2	-27.7	-59.7	-107.1	24	P458D
	⊕	-0.4	-7.8	-26.7	0.2	⊕	-7.1	-25.6	-59.4	-113.4	24	P458LT1
	⊕	-0.3	-7.4	-25.1	0.2	⊕	-6.7	-24.1	-54.6	-102.7	24	P458LT2
	⊕	-0.6	-9.6	-31.1	0.3	⊕	-8.4	-29.3	-67.2	-126.8	24	P470A
	⊕	-0.6	-9.6	-31.1	0.3	⊕	-8.4	-29.3	-67.2	-126.8	24	P470B
	⊕	-0.6	-9.6	-31.1	0.3	⊕	-8.4	-29.3	-67.3	-127.1	24	P470T1
	⊕	-0.6	-9.8	-32.1	0.3	⊕	-8.6	-30.2	-69.8	-132.8	24	P470T2

WE'VE GOT THE ROCK FOR YOUR GOLIATH

Federal Premium® Cape•Shok® is the ultimate ammunition for the world's most difficult and dangerous game. It's the number one choice of Safari Club International members. And it's now available in .458 Lott. Take your choice of the best bullets made, including Trophy Bonded® and bullets from Nosler® and Woodleigh®.

This year we're also introducing a host of Triple-Shock™ bullet offerings from Barnes®. The odds just keep getting better for David. A portion of the proceeds go to support Safari Club International.



PROUD SUPPORTER OF SAFARI CLUB INTERNATIONAL,
PROMOTING HUNTING AND CONSERVATION WORLDWIDE



**YOU BRING VARMINTS IN,
THESE WILL BRING THEM DOWN.**

Squeezing the trigger, unleashing bullets with amazing speed and, shot after shot, witnessing their incredible accuracy. That's what you're out there for. Varmint hunters are a special breed, and Federal Premium® V•Shok® is their special line of centerfire and rimfire ammunition. V•Shok delivers nothing short of sizzling velocities – provided by

cartridges featuring “must-have” bullets the likes of Nosler® Ballistic Tip® and Sierra® BlitzKing® – in your favorite varmint calibers. Federal Premium V•Shok. You know what the “V” stands for. “Shok” means devastating impact every time. Always has, always will. New for 2006 is the popular 22 Hornet and the new kid on the block, .204 Ruger.

V•SHOK® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	
			GRAINS	GRAMS			
NEW	1	P22A*	22 Hornet	33	2.14	Speer TNT	200
NEW	1	P22B*	22 Hornet	45	2.92	Speer Soft Point	200
NEW	1	P204A	204 Ruger	39	2.53	Sierra BlitzKing	205
	1	P222C	222 Rem. (5.56x43mm)	40	2.59	Nosler Ballistic Tip	205
	1	P223P	223 Rem. (5.56x45mm)	40	2.59	Nosler Ballistic Tip	205
	1	P223E	223 Rem. (5.56x45mm)	55	3.56	Sierra GameKing BTHP	205
	1	P223F	223 Rem. (5.56x45mm)	55	3.56	Nosler Ballistic Tip	205
	1	P22250H	22-250 Rem.	40	2.59	Nosler Ballistic Tip	210
	1	P22250V	22-250 Rem.	40	2.59	Sierra Varminter HP	210
	1	P22250B	22-250 Rem.	55	3.56	Sierra GameKing BTHP	210
	1	P22250F	22-250 Rem.	55	3.56	Nosler Ballistic Tip	210
	1	P220B	220 Swift	40	2.59	Nosler Ballistic Tip	210
	1	P220V	220 Swift	52	3.37	Sierra MatchKing BTHP	210
	1	P243H	243 Win. (6.16x51mm)	55	3.56	Nosler Ballistic Tip	210
	1	P243F	243 Win. (6.16x51mm)	70	4.54	Nosler Ballistic Tip	210
	1	P2506G	25-06 Rem.	85	5.51	Nosler Ballistic Tip	210
	1	P2506V	25-06 Rem.	90	5.83	Sierra Varminter HP	210

* 50 Round Box

GOLD MEDAL® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					WIND DRIFT IN INCHES 10 MPH CROSSWIND						
			GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.
5	GM223M	223 Rem. (5.56x45mm)	69	4.47	Sierra MatchKing BTHP	GM205M	3000	2690	2400	2130	1870	1640	1380	1105	880	690	535	410	1.0	4.2	10.0	18.8	31.6
5	GM223M3	223 Rem. (5.56x45mm)	77	4.99	Sierra MatchKing BTHP	GM205M	2750	2510	2280	2070	1860	1670	1295	1075	890	730	595	480	0.9	3.7	8.9	16.5	27.4
5	GM308M	308 Win. (7.62x51mm)	168	10.89	Sierra MatchKing BTHP	GM210M	2600	2410	2230	2060	1890	1740	2520	2170	1855	1580	1340	1130	0.7	3.2	7.6	13.8	22.7
5	GM308M2	308 Win. (7.62x51mm)	175	11.34	Sierra MatchKing BTHP	GM210M	2600	2430	2260	2100	1950	1800	2625	2290	1985	1715	1475	1265	0.6	2.9	6.9	12.5	20.3
5	GM3006M	30-06 Spring. (7.62x63mm)	168	10.89	Sierra MatchKing BTHP	GM210M	2700	2510	2320	2150	1980	1820	2720	2345	2015	1720	1460	1235	0.7	3.0	7.2	13.2	21.3
5	GM300WM	300 Win. Magnum	190	12.31	Sierra MatchKing BTHP	GM215M	2900	2730	2560	2400	2240	2090	3550	3135	2760	2420	2115	1845	0.6	2.4	5.5	10.1	16.4

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense BTHP = Boat-Tail Hollow Point HP = Hollow Point
 These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

VARMINT AND TARGET: CENTERFIRE RIFLE

VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES TO 10 MPH CROSSWIND					HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.										TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.		
MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	AVERAGE RANGE					LONG RANGE								
												50 YDS.	100 YDS.	200 YDS.	300 YDS.	500 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.								
2500	1830	1310	1020	880	780	460	245	125	75	55	45	3.5	16.6	41.9	76.8	119.5	0.2	⊕	-9.3	-39.6	2.5	4.7	⊕	-25.6	-83.0	-181.0	24	P22A		
2200	1750	1370	1110	970	880	485	305	190	125	95	75	2.9	13.1	32.3	59.5	92.9	0.4	⊕	-10.1	-39.2	2.9	5.1	⊕	-24.0	-75.9	-162.6	24	P22B		
3650	3270	2930	2600	2300	2030	1155	925	740	585	460	355	0.8	3.4	8.1	15.2	25.2	-0.4	⊕	-1.8	-7.6	0.1	0.9	⊕	-5	-15.1	-31.8	24	P204A		
3450	2990	2570	2190	1840	1530	1055	790	585	425	300	210	1.2	4.9	11.9	22.8	39.1	-0.3	⊕	-2.4	-10.2	0.3	1.2	⊕	-6.5	-20.4	-45.0	24	P222C		
3700	3210	2770	2370	2010	1680	1215	915	680	500	360	250	1.1	4.5	10.8	20.8	35.3	-0.4	⊕	-1.9	-8.3	0.1	0.9	⊕	-5.5	-17.3	-38.1	24	P223P		
3240	2850	2490	2150	1850	1570	1280	990	755	565	415	300	1.1	4.7	11.2	21.3	36.1	-0.3	⊕	-2.8	-11.3	0.4	1.4	⊕	-7.1	-21.6	-46.9	24	P223E		
3240	2870	2530	2210	1920	1650	1280	1005	780	595	450	335	1.0	4.3	10.4	19.6	33.2	-0.3	⊕	-2.8	-11.0	0.4	1.4	⊕	-6.8	-20.8	-44.6	24	P223F		
4150	3610	3130	2700	2300	1940	1530	1155	870	645	470	335	0.9	4.0	9.4	17.9	30.1	-0.5	⊕	-1.2	-6.0	-0.2	0.6	⊕	-4.2	-13.2	-28.9	24	P22250H		
4000	3270	2650	2110	1640	1260	1420	950	625	395	235	140	1.4	6.2	15.4	30.7	54.4	-0.4	⊕	-1.8	-8.7	0.0	0.9	⊕	-6.0	-20.2	-48.5	24	P22250V		
3680	3250	2850	2490	2160	1850	1655	1285	995	760	570	420	0.9	3.9	9.4	17.9	29.8	-0.4	⊕	-1.8	-7.9	0.1	0.9	⊕	-5.2	-16.1	-34.4	24	P22250B		
3680	3270	2900	2560	2240	1950	1655	1305	1025	800	615	460	0.9	3.7	8.7	16.4	27.3	-0.4	⊕	-1.8	-7.7	0.1	0.9	⊕	-5.0	-15.4	-32.8	24	P22250F		
4250	3690	3200	2770	2370	2000	1605	1210	910	680	500	355	0.9	3.8	9.2	17.3	29.2	-0.5	⊕	-1.1	-5.5	-0.2	0.5	⊕	-3.9	-12.4	-27.3	24	P220B		
3830	3330	2890	2490	2120	1780	1695	1280	965	715	520	365	1.0	4.2	10.2	19.4	32.7	-0.4	⊕	-1.6	-7.5	0.0	0.8	⊕	-5.0	-15.8	-34.4	24	P220V		
3850	3440	3060	2720	2400	2110	1810	1445	1145	905	705	540	0.8	3.4	7.9	14.9	24.7	-0.4	⊕	-1.5	-6.6	-0.1	0.7	⊕	-4.4	-13.6	-28.9	24	P243H		
3400	3070	2760	2470	2200	1950	1795	1460	1185	950	750	590	0.8	3.5	8.2	15.3	25.2	-0.3	⊕	-2.2	-9.0	0.2	1.1	⊕	-5.7	-17.1	-35.7	24	P243F		
3550	3230	2930	2640	2380	2130	2380	1965	1615	1320	1070	855	0.7	3.0	7.2	13.3	22.0	-0.4	⊕	-1.8	-7.8	0.1	0.9	⊕	-5.0	-15.0	-31.2	24	P2506G		
3440	3030	2650	2310	1990	1700	2365	1835	1405	1065	790	575	1.0	4.3	10.3	19.6	33.0	-0.3	⊕	-2.3	-9.6	0.2	1.2	⊕	-6.1	-18.9	-40.6	24	P2506V		

GOLD MEDAL® CENTERFIRE RIFLE

These heralded loads combine the legendary Sierra® MatchKing™ Boat-Tail bullet with Federal®'s proprietary delivery system. It's the most accurate factory match round available. Serious shooters accept nothing less.

Sandy Pagel — ATK Employee
Long Range Highpower/Palma Rifle Shooting

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.2	⊕	-3.3	-12.8	0.6	1.7	⊕	-7.8	-23.2	-49.0	24	GM223M	
-0.1	⊕	-4.0	-14.8	0.9	2.0	⊕	-8.8	-25.5	-52.7	24	GM223M3	
-0.1	⊕	-4.5	-16.0	1.1	2.3	⊕	-9.3	-26.5	-53.8	24	GM308M	
-0.1	⊕	-4.4	-15.7	1	2.2	⊕	-9.1	-25.8	-51.8	24	GM308M2	
-0.1	⊕	-4.0	-14.6	0.9	2.0	⊕	-8.5	-24.5	-49.2	24	GM3006M	
-0.2	⊕	-3.2	-11.6	0.6	1.6	⊕	-6.9	-19.9	-39.8	24	GM300WM	

Photo courtesy of Patrick Nealis



CHALLENGE YOURSELF WITH A HANDGUN: BUT BE PREPARED WITH THE RIGHT TOOLS

Taking down big game is never an easy task, and the added challenge of using your handgun makes it that much more exciting and rewarding. In 2006, we're proud to bolster our handgun hunting options and help you succeed with a great new offering, the Barnes® Expander™. The Expander delivers superior expansion for maximum energy transfer on target and ideal performance on deer. Its all-copper design provides 100% weight retention for great stopping power and consistent performance.

As always, Federal Premium still offers you proven CastCore® technology to give you the performance you need when taking down game. The heavy, flat-nosed, hard-cast bullet smashes through bone without breaking apart. It's ideal for larger game and thick-skinned animals like wild hogs and black bear. We're dedicated to bringing you the best handgun hunting offerings available. Sight-in and go—you're up for the challenge.





NOW: BARNES® EXPANDER™ HANDGUN BULLETS

The expanded Vital•Shok® handgun line features the new all-copper Barnes® Expander™, as well as the tried and true lead CastCore® bullet. These two options give big game hunters the ultimate in Knockdown Power®. The new

Expander is non-toxic and utilizes Barnes X Technology for outstanding expansion. With 100% weight retention, this bullet is ideal for deer handgun hunting.

VITAL•SHOK® | CENTERFIRE HANDGUN HUNTING SPECIFICATIONS

NEW	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 5 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
				GRAINS	GRAMS			MUZZLE	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.		
	2	P357XB1	357 Magnum	140	9.07	Barnes Expander	100	1280	1220	1160	1110	1070	510	460	420	385	355	◆	-0.6	-2.8	-6.7	4-V	P357XB1
	2	P357J	357 Magnum	180	11.66	CastCore	100	1060	1030	1000	980	960	450	425	405	385	370	◆	-1.1	-4.4	-10.0	4-V	P357J
	2	P41XB1	41 Rem. Magnum	180	11.66	Barnes Expander	150	1240	1170	1120	1070	1030	615	550	500	460	425	◆	-0.7	-3.1	-7.4	4-V	P41XB1
	2	P41B	41 Rem. Magnum	250	16.20	CastCore	150	1080	1050	1020	1000	980	645	610	580	555	530	◆	-1.1	-4.2	-9.5	4-V	P41B
	2	P44XB1	44 Rem. Magnum	225	14.58	Barnes Expander	150	1170	1110	1070	1030	1000	685	620	570	530	495	◆	-0.8	-3.6	-8.4	4-V	P44XB1
	2	P44E	44 Rem. Magnum	300	19.44	CastCore	150	1090	1060	1030	1010	980	790	745	705	675	645	◆	-1.0	-4.1	-9.3	4-V	P44E
	2	P454XB1	454 Casull	250	16.2	Barnes Expander	150	1530	1420	1330	1240	1170	1300	1125	975	850	755	◆	-0.2	-1.6	-4.4	5.7-V	P454XB1
	2	P480XB1	480 Ruger	275	17.82	Barnes Expander	150	1350	1270	1190	1130	1080	1115	980	870	780	710	◆	-0.5	-2.4	-6.1	7.5-V	P480XB1
	2	P500XB1	500 S&W	275	17.82	Barnes Expander	150	1660	1540	1440	1340	1250	1680	1455	1255	1090	950	◆	0.0	-1.1	-3.4	8.4-V	P500XB1

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

PERSONAL DEFENSE AND TARGET: CENTERFIRE HANDGUN



PERSONAL DEFENSE® HANDGUN

Premium® Hydra-Shok® has long been the benchmark for personal defense and law enforcement officials insist on it. Our Expanding Full Metal Jacket combines a

patented scored metal nose and internal rubber tip for consistent expansion and performance even through barriers, yet its unique design reduces the risk of collateral effect.



HYDRA-SHOK JHP



EXPANDING FULL METAL JACKET



GOLD MEDAL® CENTERFIRE PISTOL











Gold Medal Match Pistol ammunition is unequalled in match-grade performance. It's the true competitor's winning choice.



NRA

PROUD TO SUPPORT THE NATIONAL RIFLE ASSOCIATION AND ALL SHOOTING SPORTS

PERSONAL DEFENSE® | CENTERFIRE HANDGUN SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.	
			GRAINS	GRAMS			MUZZLE	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.			
	6	P32HS1	32 Auto (7.65mm Browning)	65	4.21	Hydra-Shok JHP	100	925	890	860	830	810	125	115	105	100	95	◆	-1.8	-6.6	-14.5	4	P32HS1
	6	PD380HS1 H	380 Auto (8x17mm Short)	90	5.83	Hydra-Shok JHP	100	1000	950	910	880	850	200	180	165	155	145	◆	-1.5	-5.6	-12.5	3.75	PD380HS1H
	6	PD9CSP2 H	9mm Luger (9x19mm Parabellum)	105	6.80	EFMJ	200	1230	1140	1070	1010	970	355	305	265	240	220	◆	-0.8	-3.4	-8.2	4	PD9CSP2H
	6	P9HS1	9mm Luger (9x19mm Parabellum)	124	8.04	Hydra-Shok JHP	200	1120	1070	1030	990	960	345	315	290	270	255	◆	-1.0	-4.0	-9.3	4	P9HS1
	6	PD9HS5 H	9mm Luger (9x19mm Parabellum)	135	8.75	Hydra-Shok JHP	200	1060	1030	1000	970	950	335	315	300	280	270	◆	-1.2	-4.5	-10.2	4	PD9HS5H
	6	P9HS2	9mm Luger (9x19mm Parabellum)	147	9.53	Hydra-Shok JHP	200	1000	980	950	930	910	325	310	295	285	275	◆	-1.4	-5.2	-11.5	4	P9HS2
	6	P357S1	357 Sig	125	8.10	JHP	200	1350	1270	1190	1130	1080	505	445	395	355	325	◆	-0.5	-2.4	-6.1	4	P357S1
	6	PD38HS3 H	38 Special	110	7.13	Hydra-Shok JHP	100	980	940	910	880	860	235	215	205	190	180	◆	-1.5	-5.7	-12.6	4-V	PD38HS3H
	6	P38HS1	38 Special	129	8.36	Hydra-Shok JHP	100	950	930	900	880	870	260	245	235	225	215	◆	-1.6	-5.9	-13.0	4-V	P38HS1
	6	PD357HS2 H	357 Magnum	130	8.42	Hydra-Shok JHP	100	1410	1330	1260	1190	1140	575	510	455	410	375	◆	-0.3	-2.0	-5.2	4-V	PD357HS2H
	6	P357HS1	357 Magnum	158	10.24	Hydra-Shok JHP	100	1240	1190	1140	1100	1060	540	495	455	425	395	◆	-0.6	-3.0	-7.1	4-V	P357HS1
	6	PD40CSP2 H	40 S&W	135	8.75	EFMJ	100	1200	1110	1040	990	940	430	370	325	290	265	◆	-0.9	-3.7	-8.8	4	PD40CSP2H
	6	PD40HS4 H	40 S&W	135	8.75	Hydra-Shok JHP	100	1200	1120	1050	1000	960	430	375	330	300	275	◆	-0.8	-3.7	-8.6	4	PD40HS4H
	6	P40HS2	40 S&W	155	10.04	Hydra-Shok JHP	100	1140	1080	1030	990	950	445	400	365	335	315	◆	-1.0	-4.0	-9.2	4	P40HS2
	6	P40HS3	40 S&W	165	10.69	Hydra-Shok JHP	100	980	950	920	900	880	350	330	310	295	280	◆	-1.5	-5.6	-12.3	4	P40HS3
	6	P40HS1	40 S&W	180	11.66	Hydra-Shok JHP	100	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4	P40HS1
	6	P10HS1	10mm Auto	180	11.66	Hydra-Shok JHP	150	1030	1000	970	950	920	425	400	375	355	340	◆	-1.3	-4.9	-10.9	5	P10HS1
	6	P44HS1	44 Rem. Magnum	240	15.55	Hydra-Shok JHP	150	1210	1150	1100	1060	1020	780	705	645	600	560	◆	-0.7	-3.3	-7.7	4-V	P44HS1
	6	PD45G1 H	45 G.A.P.	185	11.99	Hydra-Shok JHP	200	1090	1050	1010	970	950	490	450	415	390	365	◆	-1.1	-4.3	-9.8	5	PD45G1H
	6	P45GHS1	45 G.A.P.	230	14.90	Hydra-Shok JHP	200	880	860	850	830	820	395	380	365	355	340	◆	-2.0	-7.1	-15.3	5	P45GHS1
	6	PD45HS3 H	45 Auto	165	10.69	Hydra-Shok JHP	150	1060	1010	980	940	910	410	375	350	325	305	◆	-1.2	-4.7	-10.6	5	PD45HS3H
	6	PD45CSP2 H	45 Auto	165	10.69	EFMJ	150	1140	1080	1030	990	950	475	425	390	360	335	◆	-1.0	-4.0	-9.2	5	PD45CSP2H
	6	P45HS1	45 Auto	230	14.90	Hydra-Shok JHP	150	890	870	860	840	820	405	390	375	360	345	◆	-2.0	-6.9	-15.0	5	P45HS1

GOLD MEDAL® | CENTERFIRE HANDGUN SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.	
			GRAINS	GRAMS			MUZZLE	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.			
	5	GM38A	38 Special	148	9.59	Lead Wadcutter Match	GM100M	690	650	610	570	540	155	140	120	110	95	◆	-4.3	-14.4	-31.2	4-V	GM38A
	5	GM45B	45 Auto	185	11.99	FMJ-SWC Match	GM150M	770	740	700	670	640	245	220	205	185	170	◆	-3.1	-10.6	-23.0	5	GM45B
	5	GM45A	45 Auto	230	14.90	FMJ Match	GM150M	860	840	830	810	800	380	365	350	340	325	◆	-2.2	-7.5	-16.1	5	GM45A

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense  = Low Recoil

EFMJ = Expanding Full Metal Jacket JHP = Jacketed Hollow Point FMJ = Full Metal Jacket SWC = Semi-Wadcutter "V" indicates vented barrel to simulate service conditions.

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

VARMINT AND TARGET: RIMFIRE



VARMINT HUNTING DEMANDS HIGH-TECH SHOOTING

Nothing compares to varmint hunting. It demands the best of you, your shooting skills and your ammunition. Over the years, the development team at Federal Premium® has teamed up with Speer® and Hornady® to build the finest collection of specialized rimfire varmint loads. Find your caliber and start shooting. Federal Premium V•Shok® will take it from there.



V•SHOK® | RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)				ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES TO MPH CROSSWIND			HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROES AT 0 YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.						FEDERAL LOAD NO.
			GRAINS	GRAMS		MUZZLE	50 YDS.	100 YDS.	150 YDS.	MUZZLE	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	AVERAGE RANGE			LONG RANGE			
																	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	
1	P770	17 HMR	17	1.1	Speer TNT JHP	2530	2150	1800	1500	240	175	125	85	0.9	3.8	9.4	◆	-0.4	-3.5	0.2	◆	-2.9	P770
1	P771	17 HMR	17	1.1	Hornady V-Max	2530	2190	1880	1610	240	180	135	95	0.8	3.3	8.1	◆	-0.3	-3.1	0.2	◆	-2.7	P771
1	P780	17 Mach 2	17	1.1	Hornady V-Max	2010	1720	1460	1250	150	110	80	60	1.1	4.6	11.1	◆	-1.5	-7.1	0.7	◆	-4.9	P780
1	P765	22 Win. Magnum	30	1.94	Speer TNT HP	2200	1780	1420	1160	320	210	135	90	1.3	6.0	14.7	◆	-1.3	-7.0	0.7	◆	-5.1	P765

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense **JHP = Jacketed Hollow Point HP = Hollow Point**
 These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

GOLD MEDAL® RIMFIRE

Federal® has a long history of rimfire excellence stemming back to when our Gold Medal® UltraMatch helped win gold at the 1992 Olympics. That product has come and gone, but our commitment to the competitive rimfire shooter remains strong. That's why we've introduced a new Gold Medal rimfire load that puts competitive



rimfire shooters in the money. We've found the sweet spot on the velocity range at 1,200 feet-per-second for our 40-grain solid and pick out the best lots to sell in our Gold Medal box. So rest assured, you're getting the top rimfire load we have to offer—and at a higher velocity, it performs with flawless consistency in autoloaders.

GOLD MEDAL® | RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)				ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES TO MPH CROSSWIND			HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROS AT 0 YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.						FEDERAL LOAD NO.
			GRAINS	GRAMS		MUZZLE	50 YDS.	100 YDS.	150 YDS.	MUZZLE	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	AVERAGE RANGE			LONG RANGE			
	5 711B	22 Long Rifle	40	2.59	Solid	1080	990	930	880	105	90	75	70	1.1	4.2	8.9	◆	-7.3	-24.5	3.6	◆	-13.6	711B
NEW	5 719	22 Long Rifle	40	2.59	Solid	1200	1080	990	930	130	105	85	75	1.3	4.9	10.6	◆	-6.0	-20.8	3.0	◆	-11.8	719

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

GOLD MEDAL® | CENTERFIRE PRIMERS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
GM100M	Small Pistol Match	Std. velocity pistol and revolver	.175
GM150M	Large Pistol Match	Std. and magnum pistol and revolver	.210
GM155M	Large Magnum Pistol Match	Magnum revolver	.210
GM200M	Small Magnum Pistol Match	High velocity and magnum pistol and revolver	.175
GM205M	Small Rifle Match	Small rifle	.175
GM210M	Large Rifle Match	Large rifle	.210
GM215M	Large Magnum Rifle Match	Magnum rifle	.210



GOLD MEDAL® PRIMERS

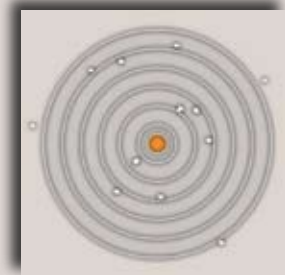
Gold Medal Primers are manufactured to exacting tolerances, so if you load your own you know you're getting the same high-quality primer components and optimum ignition that make our Gold Medal cartridges the choice of match shooters everywhere.



MEDIUM GAME AND VARMINT: SHOTSHELL



NEW FLITECONTROL WAD AT 10 FEET FROM MUZZLE



**PFC157 00 WITH FULL CHOKE
12/12 HITS AT 30 YARDS
12" TARGET SHOT WITH REM. 870**

BUCKSHOT HUNTING WILL NEVER LOOK BACK

The amazing FLITECONTROL™ wad system chokes shot into a lethally tight pattern — eliminating the need for aftermarket chokes. This unique and revolutionary product is now available for buckshot hunters. With patterns almost twice as tight as conventional buckshot loads, this Vital•Shok® product will change buckshot hunting for good.

BUCKSHOT SIZES

	NO.000	NO.00	NO.0	NO.1	NO.2	NO.3	NO.4
PELLET DIAMETER							
INCHES	.36	.33	.32	.30	.27	.25	.24
MM	9.14	8.38	8.13	7.62	6.86	6.35	6.10

VITAL•SHOK® | BUCKSHOT SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT SIZES
		INCHES	MM		
P108	10	3 1/2	89	1100	27 Pellets - 1 Buck
P108	10	3 1/2	89	1100	18 Pellets - 00 Buck
P135	12	3 1/2	89	1100	27 Pellets - 1 Buck
P135	12	3 1/2	89	1100	18 Pellets - 00 Buck
P158	12	3	76	1225	10 Pellets - 000 Buck
P158	12	3	76	1210	15 Pellets - 00 Buck
P158	12	3	76	1210	41 Pellets - 4 Buck
NEW PFC157**	12	3	76	1325	12 Pellets - 00 Buck
NEW PFC154**	12	2 3/4	70	1325	9 Pellets - 00 Buck
NEW PFC154 LR**	12	2 3/4	70	1145	9 Pellets - 00 Buck
P154	12	2 3/4	70	1325	9 Pellets - 00 Buck
P156	12	2 3/4	70	1290	12 Pellets - 00 Buck
P156	12	2 3/4	70	1250	34 Pellets - 4 Buck
P258	20	3	76	1175	18 Pellets - 2 Buck
P256	20	2 3/4	70	1175	20 Pellets - 3 Buck

NEW
NEW
NEW

** Featuring FLITECONTROL™ WAD

Low Recoil = Low Recoil

EXPERIENCE SUPERIOR ACCURACY WITH VITAL•SHOK® SLUGS

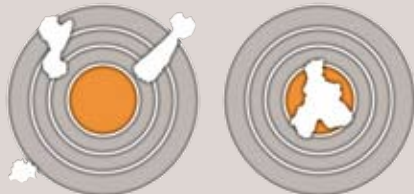
Vital•Shok® TruBall™ Rifled Slug is the most accurate slug ever made for smooth-bore shotguns. The unique slug-centering TruBall locks the slug and wad in place, to punch out as tight as 2-inch groups at 50 yards with up to 75% improvement

TRUBALL DELIVERS A DEADLY IMPROVEMENT IN ACCURACY



CONVENTIONAL SLUG
4.5 INCH SPREAD

VITAL•SHOK TRUBALL SLUG
1.4 INCH SPREAD



FIVE ROUND GROUP. FOUR-INCH TARGETS WERE SHOT WITH A REMINGTON 870 CYLINDER BORE AT 50 YARDS. RESULTS MAY VARY.

in group size consistency over standard rifled slugs. And for rifled bore accuracy and expansion capabilities, Federal's Barnes® Expander™ takes the prize. Available in both 20 and 12-gauge offerings, the Expander is now available in a 20-gauge, 2-3/4-inch, 5/8-ounce offering to meet the needs of rifled-bore slug hunters—no matter what your gun is chambered for. Also check out Hydra-Shok® Sabot Hollow Point slugs for the ultimate in downrange energy and terminal performance.



SABOT SLUG



VITAL•SHOK® TRUBALL™ SLUG



BARNES® EXPANDER™ SABOT SLUG

VITAL•SHOK® SLUG SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE	SLUG WEIGHT		VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST FOOT-POUND)						HEIGHT OF SLUG TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT 100 YARDS. SIGHTS .5 INCHES ABOVE BORE LINE.						TEST BARREL LENGTH INCHES
			INCHES	MM		OUNCES	GRAINS	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.		
PREMIUM® BARNES® EXPANDER™ SABOT SLUGS (Fully Rifled Slug Barrel)																										
2	P151XS	12	3	76	Barnes Sabot	1	438	1530	1460	1390	1330	1270	1220	2275	2070	1885	1725	1575	1450	1.3	2.0	1.6	◆	-2.9	30	
2	P152XS	12	2¾	70	Barnes Sabot	¾	325	1900	1810	1720	1640	1560	1480	2630	2385	2165	1960	1775	1605	0.7	1.2	1.0	◆	-1.9	30	
2	P150XS	12	2¾	70	Barnes Sabot	1	438	1450	1380	1320	1260	1210	1160	2040	1860	1695	1550	1425	1315	1.4	2.2	1.8	◆	-3.3	30	
2	P209XS	20	3	76	Barnes Sabot	⅝	275	1900	1800	1710	1620	1530	1450	2190	1970	1770	1590	1420	1270	0.7	1.2	1.0	◆	-1.9	30	
NEW	2	P208XS	20	2¾	70	Barnes Sabot	⅝	275	1600	1510	1430	1360	1290	1220	1555	1390	1245	1115	1005	910	1.2	1.9	1.5	◆	-2.8	30
PREMIUM® SABOT SLUGS (Fully Rifled Slug Barrel or Rifled Choke Tube)																										
2	P151SS	12	3	76	Hydra-Shok Sabot HP	1	438	1550	1440	1340	1260	1180	1120	2335	2020	1755	1530	1350	1210	1.4	2.2	1.8	◆	-3.3	30	
2	P154SS	12	2¾	70	Hydra-Shok Sabot HP	1	438	1450	1350	1260	1190	1120	1070	2040	1775	1545	1365	1220	1105	1.6	2.5	2.0	◆	-3.7	30	
2	P207SS	20	3	76	Hydra-Shok Sabot HP	⅝	275	1450	1330	1220	1140	1070	1020	1275	1075	910	785	695	625	1.7	2.7	2.2	◆	-4.0	30	
PREMIUM® TRUBALL™ RIFLED SLUGS (Smoothbore Barrel)																										
2	PB127LRS	12	2¾	70	TRUBALL Rifled Slug	1	438	1300	1150	1040	970	910	860	1640	1275	1055	910	805	720	0.6	◆	-2.6	-7.4	—	30	
2	PB127RS	12	2¾	70	TRUBALL Rifled Slug	1	438	1600	1370	1180	1050	970	910	2485	1810	1355	1080	915	800	0.3	◆	-1.9	-5.7	—	30	
2	PB203RS	20	2¾	70	TRUBALL Rifled Slug	¾	325	1600	1390	1220	1100	1010	950	1865	1410	1090	875	745	650	0.3	◆	-1.8	-5.3	—	30	

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense HP = Hollow Point

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

Low Recoil = Low Recoil



FEDERAL
PREMIUM[®]
AMMUNITION

**BY THE TIME YOU READ THIS,
IRREPLACEABLE ACRES
OF WETLANDS WILL BE GONE.**

SHOOT FEDERAL PREMIUM® ULTRA•SHOK® AND HELP SAVE THE MOST IMPORTANT DUCK HABITAT IN NORTH AMERICA

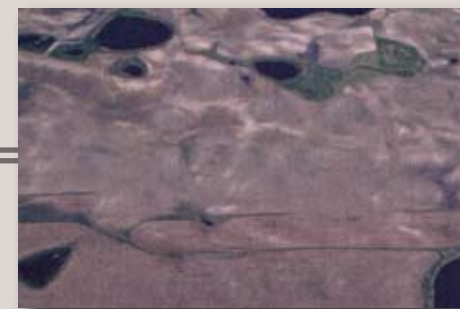
Federal Premium® has partnered with Ducks Unlimited and its members to drive sales of Ultra•Shok® and raise funds for the restoration of habitat in the Missouri Coteau area of the Prairie Pothole Region (PPR) of Saskatchewan and North and South Dakota. This is an area of uniquely high

grassland and wetland density that can support breeding ducks to produce for not only the Central and Mississippi Flyway but also the entire United States. *Grasslands For Tomorrow* is DU's initiative to secure 2 million acres of critical habitat in the U.S. portion of the Coteau.

Part of the proceeds from every box of Ultra•Shok helps this important initiative restore and protect the vital duck production habitat of the Prairie Pothole Region, the American duck factory that feeds all the flyways across America and provides up to 75% of the North American duck population.

THE PRAIRIE POTHOLE REGION IS DISAPPEARING FAST.

Protecting 2,000,000 Acres
Grasslands for Tomorrow is the most ambitious conservation initiative ever undertaken by DU. Spanning the U.S. and Canadian border, the PPR forms the core of what was formerly the largest expanse of grassland in the world. An impressive array of bird species is dependent on the productive and highly diverse nature of the prairie. Up to 75% of the Ducks of North America are hatched in this area.



(Visual dramatization) More than 100,000 acres of wetlands are lost every year. The coming decade threatens more than ever before.

YOU CAN MAKE A DIFFERENCE WITH EVERY SHOT YOU MAKE.

Join the Cause
 Federal Premium® will donate an annual licensing fee plus a portion of incremental Ultra•Shok® sales to the *Grasslands for Tomorrow Project* to help jump start a new wave of conservation conscientiousness. We must act now. For more information or to volunteer call 800-45-DUCKS or visit www.ducks.org.



WATERFOWL: SHOTSHELL

NON-TOXIC SHOT GETS BETTER AND BETTER

Federal Premium® continues to lead the charge. Last year we introduced Ultra•Shok® High Density™ for waterfowl. Precision Tuned™ High Density is 20% softer than steel, with much higher density. That means less wind drift, greater down-range energy and deeper penetration. It's the hardest

hitting non-toxic waterfowl load with outstanding velocity and target impact. It's also more affordable than most tungsten-based shot types. Now available in BB+, 2+ and 4+ shot sizes and featuring 20, 12 and 10-gauge load offerings.



High Density™ softer-than-steel shot means you can shoot heavier payloads at higher velocities, using any shotgun barrel that is approved for steel.

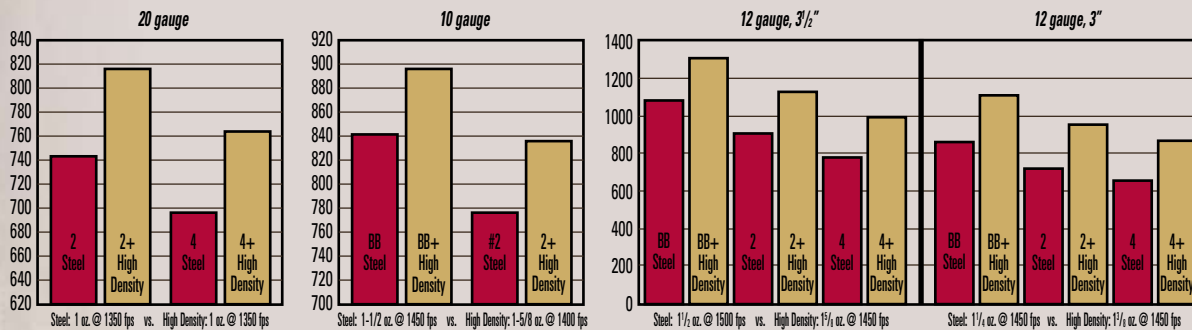


AVERAGE PELLET COUNT COMPARISON

WEIGHT IN OZ.	SHOT SIZE								
	BB	BB+	% More	2	2+	% More	4	4+	% More
1	N/A	N/A	N/A	97	108	10%	150	169	11%
1-3/8	78	85	9%	435	149	10%	207	233	11%
1-5/8	92	100	8%	159	176	10%	243	275	11%

Precision Tuned “Plus” shot sizes ensure up to 11% more pellets than conventional loads.

PAYLOAD ENERGY (ft-lbs) @ 40 Yards



ULTRA•SHOK® HIGH DENSITY™ | SHOTSHELL SPECIFICATIONS

	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT CHARGE WEIGHT		SHOT SIZES
			INCHES	MM		OUNCES	GRAMS	
NEW	PHD106	10	3 1/2	89	1450	1 5/8	46.07	BB+, 2+
NEW	PHD195	12	3 1/2	89	1450	1 5/8	46.07	BB+, 2+, 4+
NEW	PHD197	12	3	76	1450	1 3/8	38.98	BB+, 2+, 4+
NEW	PHD297	20	3	76	1350	1	28.35	2+, 4+
Metro Load (Sub-Sonic)								
NEW	MWT181	12	3	76	850	1 1/8	31.90	BB+



Low Recoil

IT CAN'T GET ANY BETTER THAN THIS, THEN IT DOES.

Federal® introduced steel over 30 years ago, and has been making it better and faster ever since. Our High Velocity loads are faster and harder-hitting than ever. Our Heavy High Velocity is packed with larger shot payloads for the ultimate in downrange pellet energy and more pellets on target. It all means shorter leads, longer range, more ducks and a richer experience.



ULTRA•SHOK® | **HEAVY HIGH VELOCITY** | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM		OUNCES	GRAMS	
PW107	10	3½	89	1450	1½	42.53	T, BBB, BB, 1, 2, 3
PW134	12	3½	89	1500	1½	42.53	T, BBB, BB, 1, 2, 3, 4
PW142	12	3	76	1450	1¼	35.44	T, BBB, BB, 1, 2, 3, 4, 6
PW145	12	2¾	70	1375	1¼	35.44	T, BBB, BB, 2, 3, 4

ULTRA•SHOK® | **HIGH VELOCITY** | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM		OUNCES	GRAMS	
PW133	12	3½	89	1550	1¾	38.98	T, BBB, BB, 2, 4
PW143	12	3	76	1550	1⅞	31.90	T, BBB, BB, 2, 3, 4, 6
PW168	16	2¾	70	1350	15/16	26.59	2, 4
PW209	20	3	76	1350	1	28.35	1, 2, 3, 4
PW208	20	2¾	70	1450	¾	21.26	4, 6

SHOT SIZES LEAD AND STEEL	Pellet Diameter	T	BBB	BB	1	2	3	4	5	6	7	7½	8	8½	9
	Inches	.20	.19	.18	.16	.15	.14	.13	.12	.11	.10	.095	.09	.085	.08
	mm	5.08	4.83	4.57	4.06	3.81	3.56	3.30	3.05	2.79	2.54	2.41	2.29	2.16	2.03

AVERAGE PELLET COUNT — STEEL SHOT
Weight of Shot in Ounces (Grams)

Shot Size	¾ (21.25)	15/16 (26.58)	1 (28.35)	1-1/8 (31.89)	1-1/4 (35.44)	1-3/8 (39.98)	1-1/2 (42.52)	1-9/16 (44.30)	1-5/8 (46.06)
7	316	395	422	475	527	580	633	659	685
6	236	295	315	354	394	433	472	492	512
5	182	228	243	273	304	334	364	380	395
4	144	180	192	216	240	264	288	300	312
3	118	143	158	178	197	217	237	247	257
2	94	117	125	141	156	172	187	195	203
1	77	97	103	116	129	142	154	161	167
BB	54	67	72	81	90	99	108	112	117
BBB	46	58	62	70	77	85	93	97	101
T	39	49	52	58	65	71	78	81	84

	GAUGE	DISTANCE (YDS)	CHOKE	STEEL SHOT SIZES	HIGH DENSITY SHOT SIZES
	10, 12, 16, 20	20-30	IC/M	1, 2, 3, 4	2+, 4+
	10, 12, 16, 20	30+	IC/M/F	BB, 1, 2, 3	2+, 4+
	12, 16, 20	20-30	IC/M	2, 3, 4, 6	N/A
	12, 16, 20	30+	IC/M/F	1, 2, 3, 4	N/A
	12, 16, 20	20-30	IC/M/F	3, 4, 6	N/A
	12, 16, 20	30+	IC/M/F	3, 4	N/A
	10, 12	20-30	IC/M	T, BBB, BB	BB+, 2+
	10, 12	30+	IC/M	T, BBB, BB	BB+, 2+
	10, 12	20-30	IC/M	BBB, BB, 1	BB+, 2+
	10, 12	30+	IC/M	BBB, BB, 1	BB+, 2+

Federal recommends patterning your gun to determine the optimum choke.
F = Full Choke M = Modified Choke IC = Improved Cylinder

FLITECONTROL™

YOU'VE NEVER SEEN ANYTHING LIKE THIS. NEITHER HAS THAT BIG TOM.

Chasing gobblers isn't for the weak-kneed or the unprepared. At the moment of truth, success or failure depends on your shooting skills and your shotshell pattern. All



the more reason to chamber the best—Premium® Mag•Shok® or Premium Mag•Shok products featuring the FLITECONTROL™ wad. New for 2006, a 12 gauge, 2-3/4" Mag•Shok with the FLITECONTROL wad.

INNOVATIVE TECHNOLOGY DELIVERS A MORE EFFECTIVE PATTERN.



WIDE SPREAD, FEWER KILLS

Conventional wads peel from the front, allowing pellets to scatter widely. This means fewer pellets on target, less impact power, and fewer downed birds.



Conventional Turkey Load
1 7/8 oz., #6 lead shot,
1300 fps, 40 yards
13 critical hits, 138 total hits



FLITECONTROL Load
1 3/4 oz., #6 lead shot,
1300 fps, 40 yards
22 critical hits, 156 total hits

Targets shot with 12 ga. Rem. 1187 super full choke



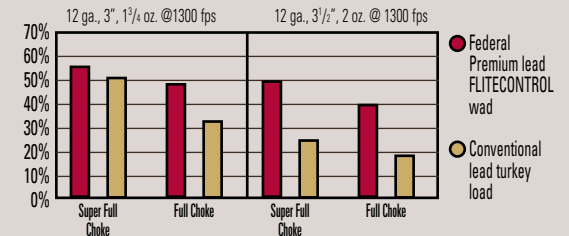
PHOTO TAKEN 19 FEET FROM MUZZLE

UP TO 30% TIGHTER.

FLITECONTROL™ wad opens at the rear, creating an air brake that pulls the wad off the shot string. The pellets are released at the optimum moment for accuracy and power.



PERCENTAGE OF HITS IN 15" CIRCLE AT 40 YARDS



MAG•SHOK® LEAD WITH FLITECONTROL™ WAD | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
PFC135	12	3 1/2	89	1150	Max.	2 1/4	63.78	4, 5, 6
PFC159	12	3	76	1150	4	2	56.70	4, 5, 6
HIGH VELOCITY								
PFC139	12	3 1/2	89	1300	Mag.	2	56.70	4, 5, 6
PFC157	12	3	76	1300	Max.	1 3/4	49.61	4, 5, 6
NEW PFC156	12	2 3/4	70	1315	4	1 1/2	42.52	4, 5, 6

MAG•SHOK® HIGH VELOCITY LEAD | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
GST101	10	3 1/2	89	1300	Mag.	2	56.71	4, 5, 6
GST258	20	3	76	1185	3	1 5/16	37.20	4, 5, 6



LOOK FOR THIS LOGO ON THE BOX INDICATING A PORTION OF PROCEEDS GO TO SUPPORT THE NWF



THIS YEAR, HIT YOUR TOM LIKE A HEAVYWEIGHT

It takes more than luck to bag your bird. It takes skill, patience and exactly the right shotshell.

Developed specifically for turkey hunters is Mag•Shok® HEAVYWEIGHT™ featuring FLITECONTROL™. The highest density non-toxic shot ever to come out of a turkey



gun, HEAVYWEIGHT is 35% more dense than lead for tighter patterns and powerful penetration. The round, uniform shot is now available in #7 for a devastating swarm of pellets. At 40 yards, #7 HEAVYWEIGHT equals the payload energy of #5 lead*.



HEAVYWEIGHT™ Load
 1 7/8 oz., #7 HEAVYWEIGHT shot, 1300 fps, 40 yards
29 critical hits, 203 total hits
 Target shot with 12 ga. Rem. 1187 super full choke

AVERAGE PELLETT COUNT

HEAVYWEIGHT		
Shot Size	1-5/8 (46.07)	1-7/8 (53.16)
5	206	231
6	270	312
7	353	408

Weight of shot in ounces (grams)

MAG•SHOK® HEAVYWEIGHT | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM		OUNCES	GRAMS	
NEW PHT191	12	3 1/2	89	1300	1 7/8	53.16	5, 6, 7
NEW PHT193	12	3	76	1300	1 5/8	46.07	5, 6, 7

DOWNRANGE PELLETT ENERGY IN FOOT-POUNDS

Yards	LEAD (1-3/4 oz. at 1300 fps)			HEAVYWEIGHT (1-5/8 oz. at 1300 fps)			OTHER (1-1/2 oz. at 1300 fps)	
	#4	#5	#6	#5	#6	#7	#5	#6
30	1260	1194	1122	1353	1290	1197	1180	1116
40	970	906*	837	1070	1005	914*	922	858
50	758	698	634	857	792	709	730	669

HEAVYWEIGHT is not recommended for ported or wad stopper type chokes. Use only in barrels approved for steel shot.



WING•SHOK® | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
MAGNUM**								
P109	10	3½	89	1210	4½	2¼	63.79	BB
P158	12	3	76	1210	4	1⅞	53.16	BB, 2, 4, 6
P156	12	2¾	70	1315	4	1½	42.53	BB, 4, 6
P165	16	2¾	70	1260	3¼	1¼	35.44	4, 6
P258	20	3	76	1300	3½	1¼	35.44	4, 5, 6
P256	20	2¾	70	1175	2¾	1⅞	31.90	4, 6
HIGH VELOCITY								
P129	12	3	76	1350	Max.	1⅝	46.07	4, 5, 6
P128	12	2¾	70	1500	Max.	1⅞	31.90	4, 6, 7.5
P138	12	2¾	70	1500	Max.	1⅞	38.98	4, 5, 6
HI-BRASS								
P283	28	2¾	70	1295	2¼	¾	21.26	6, 7.5, 8
FLYER LOADS								
P153*	12	2¾	70	1330	3¾	1¼	35.44	7.5, 8

* Increased Velocity ** Magnum loads feature buffered shot.

In addition to being the fastest load available, Federal Premium® Wing•Shok™ loads feature extra-hard copper-plated shot for tighter patterns, less feather draw and maximum penetration.

BIRDS ARE SMARTER AND FASTER. ARE YOU?

You can feel the tradition in every breeze, every cackle and every retrieve. Shooting has become as instinctive as your dog flushing birds. Your shotshell of choice: Federal Premium® Wing•Shok®. Now many loads feature higher velocities—up to 1500 fps, the fastest you can buy. For pheasant, grouse, quail and more, copper-plated Wing•Shok ensures every upland bird hunt is nothing short of an ultimate experience. Purchase special edition Pheasants Forever® loads and you'll be helping to support Pheasants Forever, one of upland hunting's greatest success stories. Join Federal Premium in helping to protect our sport.



WING•SHOK® | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
PHEASANTS FOREVER HIGH VELOCITY								
PF154	12	2¾	70	1500	Max.	1¼	35.44	4, 5, 6, 7.5
PF204	20	2¾	70	1350	Max.	1⅞	31.90	4, 5, 6, 7.5
QUAIL FOREVER								
NEW PQF152	12	2¾	70	1200	3	1⅞	31.90	7.5, 8
NEW PQF251	20	2¾	70	1150	2½	1	28.35	8



PROCEEDS HELP SUPPORT PHEASANTS FOREVER, PROMOTING BIRD HABITAT AND HUNTING



ENSURING THE ULTIMATE UPLAND EXPERIENCE FOR TOMORROW

At Federal, we pride ourselves on supporting the conservation and education groups that keep our beloved hobby a viable tradition. That's why we're supporting the new Quail Forever® conservation initiative led by Pheasants Forever®, by introducing Wing•Shok® quail loads. These new Premium small game bird loads are the perfect combination of shot charge and lower velocity for accuracy and optimum performance on quail. Most important, a portion of

the proceeds from the purchase of every box featuring the Quail Forever logo will be donated directly to this new organization. With both 12 and 20-gauge options, these new loads will be available in optimal loads for these fast-flying birds. Look for the Quail Forever logo on the box and keep habitat around for years to come.



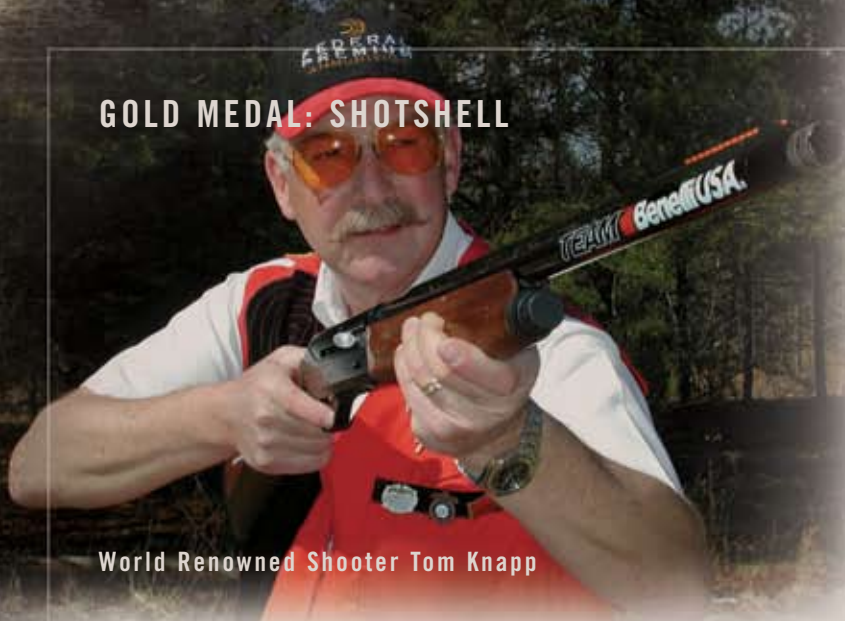
AVERAGE PELLET COUNT — LEAD SHOT
Weight of Shot in Ounces (Grams) (3% ANTIMONY)

Shot Size	1/2 (14.17)	11/16 (19.49)	3/4 (21.25)	7/8 (24.80)	1 (28.35)	1-1/8 (31.89)	1-1/4 (35.44)	1-5/16 (37.21)	1-3/8 (38.98)	1-1/2 (42.52)	1-5/8 (46.06)	1-7/8 (53.15)	2 (56.70)	2-1/4 (63.78)
9	292	402	439	512	585	658	731	767	804	877	951	1097	1170	1316
8-1/2	249	342	373	435	497	559	621	652	683	745	808	932	994	1118
8	205	282	307	359	410	461	512	538	564	615	666	769	820	922
7-1/2	175	241	262	306	350	394	437	459	481	525	569	656	700	787
6	112	155	169	197	225	253	281	295	309	337	366	422	450	506
5	85	117	127	149	170	191	212	223	234	255	276	319	340	382
4	67	93	101	118	135	152	169	177	186	202	219	253	270	304
2	43	60	65	76	87	98	109	114	120	130	141	163	174	196
BB	25	34	37	44	50	56	62	65	69	75	81	94	100	112



PROCEEDS HELP SUPPORT QUAIL FOREVER, PROMOTING BIRD HABITAT AND HUNTING

GOLD MEDAL: SHOTSHELL



World Renowned Shooter Tom Knapp



THE BEST FUEL FOR YOUR COMPETITIVE FIRE

Consistent and uniform patterns, extra-hard shot and the hot 209A primer have made Premium® Gold Medal® the favorite load on target shooting circuits. We know your reputation is on the line. That's why we put everything we have into strengthening the Federal Premium® Gold Medal line and its

winning reputation. New for 2006 are additions to our Gold Medal Sporting Clay loads including a 1-oz., FITASC-qualified offering at 1240 fps. We continue to round out our line to meet your competition needs. So you can think less about what you're shooting, and more about what you're hitting.

GOLD MEDAL® PLASTIC | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
PLASTIC								
T113	12	2¾	70	1180	2¾	1	28.35	7.5, 8, 8.5, 9
T115	12	2¾	70	1145	2¾	1½	31.90	7.5, 8, 9
T116	12	2¾	70	1200	3	1½	31.90	7.5, 8, 9
T206	20	2¾	70	1200	2½	7⁄8	24.81	8, 9
T280	28	2¾	70	1230	2	¾	21.26	8.5, 9
T412	410	2½	64	1230	Max.	½	14.18	8.5, 9
HANDICAP PLASTIC HIGH VELOCITY								
T178	12	2¾	70	1235	HDCP	1½	31.90	7.5, 8
INTERNATIONAL PLASTIC								
N110	12	2¾	70	1325	¾	—	24.00	7.5*, 8.5
EXTRA-LITE PLASTIC (LOW RECOIL)								
T114	12	2¾	70	1100	Extra-Lite	1½	31.90	7.5, 8
SPORTING CLAYS								
SC176	12	2¾	70	1350	¾	1	28.35	7.5, 8, 8.5
SC177	12	2¾	70	1240	3	1	28.35	7.5, 8, 8.5
SC179	12	2¾	70	1300	¾	1½	31.89	7.5, 8

GOLD MEDAL® PAPER | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
PAPER								
T175	12	2¾	70	1180	2¾	1	28.35	8, 8.5
T117	12	2¾	70	1145	2¾	1½	31.90	7.5, 8, 9
T118	12	2¾	70	1200	3	1½	31.90	7.5, 8, 9
HANDICAP PAPER HIGH VELOCITY								
T171	12	2¾	70	1235	HDCP	1½	31.90	7.5, 8
INTERNATIONAL PAPER								
N119	12	2¾	70	1325	¾	7⁄8	24.01	7.5*
EXTRA-LITE PAPER (LOW RECOIL)								
T172	12	2¾	70	1100	Extra-Lite	1½	31.90	7.5, 8

* Copper-Plated Shot



Photo courtesy of Winterhawk Outfitters

A FULL LINE OF QUALITY AMMUNITION

Our Premium® ammunition is the best you can buy. For our value minded customer, we offer a full line of competitively priced, quality ammunition for hunting, target shooting, plinking and

more. When volume shooting is your game, look to these pages for our lower-cost alternatives and a few unique calibers and gauge options you won't find in the first section of this catalog.

From Power-Shok® to American Eagle®, you'll find your favorite caliber and even a few bulk packs to satisfy your shooting needs.



SMALL, MEDIUM & LARGE GAME: CENTERFIRE RIFLE

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.2	⊕	-3.3	-13.1	0.6	1.6	⊕	-8.2	-25.7	-56.5	24	222A	
-0.2	⊕	-3.4	-13.1	0.6	1.7	⊕	-8.1	-24.5	-52.3	24	222B	
-0.3	⊕	-3.0	-12.0	0.5	1.5	⊕	-7.6	-23.8	-52.3	24	223A	
-0.3	⊕	-2.7	-10.9	0.4	1.4	⊕	-6.8	-20.6	-44.2	24	223B	
-0.2	⊕	-3.2	-12.7	0.6	1.6	⊕	-7.9	-23.9	-51.5	24	223L	
-0.4	⊕	-1.9	-8.4	0.1	1.0	⊕	-5.6	-17.5	-38.4	24	22250A	
-0.3	⊕	-2.2	-8.8	0.2	1.1	⊕	-5.5	-16.3	-33.7	24	243AS	
-0.2	⊕	-3.3	-12.4	0.6	1.6	⊕	-7.5	-22.1	-45.4	24	243B	
-0.4	⊕	-1.9	-8.0	0.1	1.0	⊕	-5.1	-15.1	-31.1	24	6AS	
-0.3	⊕	-2.9	-11.0	0.5	1.4	⊕	-6.7	-19.9	-40.7	24	6B	
-0.2	⊕	-3.2	-12.0	0.6	1.6	⊕	-7.2	-21.4	-43.9	24	2506BS	
-0.1	⊕	-4.6	-16.2	1.1	2.3	⊕	-9.4	-27.0	-55.2	24	6555B	
-0.2	⊕	-3.0	-11.2	0.5	1.5	⊕	-6.7	-20.0	-40.9	24	270A	
0.2	⊕	-7.1	-24.9	—	—	—	—	—	—	24	270LR1	
-0.1	⊕	-4.1	-15.4	0.9	2.0	⊕	-9.3	-28.8	-61.5	24	270B	
-0.3	⊕	-2.4	-9.6	0.3	1.2	⊕	-5.9	-17.5	-36.0	24	270WSME	
-0.1	⊕	-4.3	-15.5	1.0	2.1	⊕	-9.0	-25.9	-53.1	24	7B	
0.1	⊕	-6.1	-22.6	1.6	3.0	⊕	-13.4	-40.4	-86.2	24	7A	
-0.1	⊕	-4.4	-15.7	1.0	2.2	⊕	-9.2	-26.5	-54.4	24	708CS	
-0.2	⊕	-3.2	-11.9	0.6	1.6	⊕	-7.1	-21.0	-43.0	24	280CS	
-0.2	⊕	-3.4	-12.6	0.7	1.7	⊕	-7.5	-21.9	-44.2	24	280B	
-0.3	⊕	-2.8	-10.8	0.4	1.4	⊕	-6.6	-19.6	-40.1	24	7RA	
-0.2	⊕	-3.2	-11.8	0.6	1.6	⊕	-7.0	-20.6	-41.6	24	7RJS	
-0.2	⊕	-3.5	-12.8	0.7	1.7	⊕	-7.6	-22.1	-44.6	24	7RB	
-0.3	⊕	-2.6	-10.0	0.4	1.3	⊕	-6.2	-18.3	-37.7	24	7WSME	
0.7	⊕	-13.0	-49.1	3.9	6.5	⊕	-29.7	-90.9	-190.2	18	30CA	
0.2	⊕	-7.2	-25.9	2.0	3.6	⊕	-15.1	-46.0	-97.8	20	76239B	
0.1	⊕	-6.7	-26.4	1.7	3.3	⊕	-16.4	-53.7	-120.6	24	3030C	
0.1	⊕	-7.2	-26.7	1.9	3.6	⊕	-15.9	-50.1	-109.8	24	3030A	
0.3	⊕	-8.4	-30.0	2.4	4.2	⊕	-17.4	-53.5	-114.4	24	3030B	
-0.1	⊕	-4.8	-17.5	1.2	2.4	⊕	-10.2	-31.1	-64.8	24	300A	
0.1	⊕	-6.1	-21.6	1.6	3.0	⊕	-12.5	-36.5	-74.4	24	300B	
-0.1	⊕	-3.9	-14.7	0.8	2.0	⊕	-8.8	-26.3	-55.2	24	308A	
0.5	⊕	-10.0	-35.5	3.0	5.0	⊕	—	—	—	24	308LR1	
-0.1	⊕	-4.6	-16.6	1.1	2.3	⊕	-9.6	-28.2	-58.1	24	308B	



Low Recoil™ LESS RECOIL : MORE FUN

Trends in guns and ammunition ebb and flow—just like any other consumer market. But several things have been constant in the past few years: people like to shoot, are carrying lighter weight rifles and don't always enjoy magnum recoil from high velocity loads. For this reason, and to provide an avenue for new shooters to join our great sport, Federal created Power-Shok® Low Recoil™. Offered in .270, .308 and

.30-06, Low Recoil cuts recoil nearly in half, making your favorite rifle more versatile and a better training tool for your young ones. A unique bullet moving at a slower velocity retains almost 100% of its weight and puts all its energy into its target with controlled expansion. The switch from high velocity to Low Recoil is easy—and gives you two rifles in one. Discover your love for shooting all over again.

NOTE: Be sure to verify point of impact.

POWER•SHOK® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES 10 MPH CROSSWIND				
			GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.
2	3006CS	30-06 Spring. (7.62x63mm)	125	8.10	Soft Point	210	3140	2780	2450	2140	1850	1590	2735	2145	1660	1265	950	705	1.0	4.5	10.8	20.4	34.6
2	3006A	30-06 Spring. (7.62x63mm)	150	9.72	Soft Point	210	2910	2620	2340	2080	1840	1620	2820	2280	1825	1440	1125	875	1.0	4.2	10.0	18.7	31.4
2	3006TS	30-06 Spring. (7.62x63mm)	165	10.69	Soft Point	210	2800	2570	2350	2140	1950	1760	2870	2420	2025	1680	1385	1135	0.9	3.4	8.2	15.1	24.8
2	3006LR1	30-06 Spring. (7.62x63mm)	170	11.02	Soft Point	210	2000	1740	1510	—	—	—	1510	1145	860	—	—	—	1.9	8.1	—	—	—
2	3006B	30-06 Spring. (7.62x63mm)	180	11.66	Soft Point	210	2700	2470	2250	2050	1850	1670	2915	2440	2025	1670	1365	1110	0.9	3.7	8.8	16.2	27.0
2	3006HS	30-06 Spring. (7.62x63mm)	220	14.26	Speer Hot-Cor SP	210	2410	2130	1870	1630	1420	1240	2835	2215	1705	1300	985	755	1.5	5.9	14.5	27.2	45.1
2	300WGS	300 Win. Magnum	150	9.72	Speer Hot-Cor SP	215	3280	3020	2780	2550	2330	2120	3585	3040	2570	2160	1800	1490	0.7	2.8	6.6	12.1	19.9
3	300WBS	300 Win. Magnum	180	11.66	Speer Hot-Cor SP	215	2960	2750	2540	2350	2160	1980	3500	3015	2580	2200	1865	1570	0.7	2.9	6.6	12.3	20.0
3	300WSMAG	300 Win. Short Magnum	180	11.66	Soft Point	215	2970	2730	2500	2280	2070	1870	3525	2970	2490	2070	1705	1395	0.8	3.3	7.6	14.2	23.1
3	300WSMC	300 Win. Short Magnum	180	11.66	Soft Point	215	2970	2730	2500	2280	2070	1870	3525	2970	2490	2070	1705	1395	0.8	3.3	7.6	14.2	23.1
2	303B	303 British	150	9.72	Soft Point	210	2690	2440	2210	1990	1780	1590	2410	1985	1625	1315	1055	840	0.9	4.1	9.7	18.0	30.0
2	303AS	303 British	180	11.66	Speer Hot-Cor SP	210	2460	2210	1970	1740	1540	1360	2420	1945	1545	1215	950	740	1.2	5.1	12.2	23.0	37.9
2	32A	32 Win. Special	170	11.02	Soft Point FN	210	2250	1920	1630	1380	1180	1050	1910	1395	1000	715	525	415	1.8	8.4	20.1	38.3	62.5
2	8A	8mm Mauser (8x57mm JS Mauser)	170	11.02	Soft Point	210	2360	2130	1910	1710	1520	1360	2100	1710	1380	1105	875	700	1.3	4.9	11.9	22.2	36.6
3	338ES	338 Win. Magnum	225	14.58	Speer Hot-Cor SP	215	2780	2570	2360	2170	1980	1800	3860	3290	2785	2345	1960	1625	0.8	3.2	7.6	14.1	22.9
2	C357G	357 Magnum	180	11.66	Hollow Point	100	1550	1280	1100	980	900	840	960	655	480	385	325	285	3.5	14.2	31.2	53.4	79.9
2	35A	35 Rem.	200	12.96	Soft Point RN	210	2080	1700	1370	1140	1000	910	1920	1280	840	575	445	370	2.8	12.0	29.1	53.5	83.6
3	375A	375 H&H Magnum	270	17.50	Soft Point	215	2690	2420	2160	1920	1700	1500	4340	3505	2805	2215	1735	1350	1.0	4.6	10.7	20.4	33.9
3	375B	375 H&H Magnum	300	19.44	Soft Point	215	2530	2270	2020	1790	1580	1390	4265	3425	2720	2135	1665	1295	1.2	5.0	11.8	22.5	37.1
2	C44A	44 Rem. Magnum	240	15.55	Hollow Point	150	1760	1390	1120	980	890	810	1650	1025	670	510	415	350	3.9	16.5	37.1	64.0	96.4
2	4570AS	45-70 Government	300	19.44	Speer Hot-Cor SP	210	1880	1640	1420	1240	1110	1020	2355	1790	1350	1030	820	690	2.2	8.6	20.3	37.3	59.0



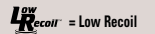
AMERICAN EAGLE® | CENTERFIRE RIFLE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)						WIND DRIFT IN INCHES 10 MPH CROSSWIND				
			GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.
5	AE223G	223 Rem. (5.56x45mm)	50	3.24	Jacketed Hollow Point	205	3400	2910	2460	2060	1700	1390	1285	935	675	470	320	215	1.3	5.5	13.4	26.1	44.9
5	AEBP223G*	223 Rem. (5.56x45mm)	50	3.24	Jacketed Hollow Point	205	3400	2910	2460	2060	1700	1390	1285	935	675	470	320	215	1.3	5.5	13.4	26.1	44.9
5	AE223	223 Rem. (5.56x45mm)	55	3.56	Full Metal Jacket Boat-Tail	205	3240	2870	2540	2220	1930	1670	1280	1010	785	605	455	340	1.0	4.3	10.2	19.4	32.7
5	AE223N	223 Rem. (5.56x45mm)	62	4.02	Full Metal Jacket Boat-Tail	205	3020	2710	2430	2160	1900	1670	1255	1015	810	640	500	385	1.0	4.0	9.7	18.1	30.4
5	AE30CB	30 Carbine	110	7.13	Full Metal Jacket	205	1990	1560	1230	1030	920	840	965	595	370	260	205	170	3.5	15.1	35.8	63.7	97.4
5	A76239A	7.62x39mm Soviet	124	8.04	Full Metal Jacket	210	2300	2030	1780	1560	1360	1200	1455	1135	875	665	510	395	1.5	6.2	15.1	28.5	47.0
5	AE308D	308 Win. (7.62x51mm)	150	9.72	Full Metal Jacket Boat-Tail	210	2820	2600	2390	2180	1990	1810	2650	2245	1895	1585	1320	1090	0.8	3.3	7.8	14.4	23.3
5	AE3006N	30-06 Spring. (7.62x63mm)	150	9.72	Full Metal Jacket Boat-Tail	210	2910	2680	2470	2260	2060	1880	2820	2395	2025	1700	1420	1175	0.8	3.2	7.4	13.7	22.2

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense SP = Soft Point FN = Flat Nose

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

* 200 Round Bulk Pack



SMALL, MEDIUM, LARGE GAME AND TARGET: CENTERFIRE RIFLE

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.3	⊕	-3.0	-11.9	0.5	1.5	⊕	-7.4	-22.3	-48.0	24	3006CS	
-0.2	⊕	-3.6	-13.6	0.7	1.8	⊕	-8.2	-24.4	-51.3	24	3006A	
-0.1	⊕	-3.7	-13.9	0.8	1.9	⊕	-8.3	-23.9	-49.0	24	3006TS	
0.5	⊕	-10.0	-35.5	3.0	5.0	⊕	—	—	—	24	3006LR1	
-0.1	⊕	-4.2	-15.3	1.0	2.1	⊕	-9.0	-26.2	-54.0	24	3006B	
0.1	⊕	-6.1	-22.5	1.6	3.1	⊕	-13.3	-39.6	-83.7	24	3006HS	
-0.3	⊕	-2.3	-9.2	0.3	1.2	⊕	-5.7	-16.7	-34.3	24	300WGS	
-0.2	⊕	-3.1	-11.6	0.6	1.6	⊕	-6.9	-20.3	-41.0	24	300WBS	
-0.2	⊕	-3.2	-12.0	0.6	1.6	⊕	-7.2	-21.1	-43.0	24	300WSMAG	
-0.2	⊕	-3.2	-12.0	0.6	1.6	⊕	-7.2	-21.1	-43.0	24	300WSMC	
-0.1	⊕	-4.4	-15.9	1.0	2.2	⊕	-9.3	-27.4	-56.9	24	303B	
0.1	⊕	-5.7	-20.4	1.5	2.8	⊕	-11.9	-35.3	-73.6	24	303AS	
0.2	⊕	-8.1	-29.3	2.3	4.0	⊕	-17.2	-53.1	-114.4	24	32A	
0.1	⊕	-6.1	-22.0	1.6	3.1	⊕	-12.8	-37.4	-77.3	24	8A	
-0.1	⊕	-3.8	-13.9	0.8	1.9	⊕	-8.2	-23.8	-48.1	24	338ES	
1.5	⊕	-19.7	-68.1	6.4	9.9	⊕	-38.5	-111.9	-225.7	18	C357G	
0.5	⊕	-10.7	-40.2	3.2	5.4	⊕	-24.1	-75.1	-159.2	24	35A	
-0.1	⊕	-4.5	-16.4	1.0	2.3	⊕	-9.6	-28.9	-60.3	24	375A	
0.0	⊕	-5.3	-19.1	1.3	2.6	⊕	-11.1	-33.5	-69.5	24	375B	
1.0	⊕	-16.8	-60.9	5.2	8.4	⊕	-35.6	-106.0	-217.7	20	C44A	
0.7	⊕	-11.4	-40.3	3.5	5.7	⊕	-23.1	-68.8	-142.5	24	4570AS	



REMEMBER THE OLD TIMES.

Although Federal Premium® continues to expand its advanced line of Premium centerfire ammunition, we don't forget the "classics". We understand it's nice to take consistent, reliable ammunition into the field, use it on a successful hunt, and still have enough money to drive

your trophy back and show your buddies. All classic rifle options are exclusively available under the Power-Shok® name. With Jacketed Soft Point and Speer® Hot-Cor® bullets, take advantage of this complete line of ammunition sure to have an option perfect for you.

HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.											TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
AVERAGE RANGE				LONG RANGE								
50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
-0.3	⊕	-2.7	-11.1	0.4	1.3	⊕	-7.1	-22.7	-50.7	24	AE223G	
-0.3	⊕	-2.7	-11.1	0.4	1.3	⊕	-7.1	-22.7	-50.7	24	AEBP223G	
-0.3	⊕	-2.7	-10.9	0.4	1.4	⊕	-6.8	-20.6	-44.2	24	AE223	
-0.2	⊕	-3.2	-12.4	0.6	1.6	⊕	-7.6	-22.6	-47.6	24	AE223N	
0.7	⊕	-13.0	-49.1	3.9	6.5	⊕	-29.7	-90.9	-190.2	18	AE30CB	
0.2	⊕	-6.9	-25.0	1.9	3.5	⊕	-14.6	-43.6	-91.8	20	A76239A	
-0.2	⊕	-3.6	-13.5	0.8	1.8	⊕	-8.0	-23.3	-47.2	24	AE308D	
-0.2	⊕	-3.3	-12.4	0.6	1.7	⊕	-7.4	-21.7	-43.8	24	AE3006N	



Hitting the range this weekend? Take along several boxes of your favorite American Eagle load. You'll find our American Eagle Centerfire Rifle

choices very suitable for precision and an affordable option for the target board.

MEDIUM GAME, TARGET AND PERSONAL DEFENSE: CENTERFIRE HANDGUN



POWER•SHOK® | HANDGUN HUNTING SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
			GRAINS	GRAMS			MUZZLE	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.		
2	C357G	357 Magnum	180	11.66	JHP	100	1080	1050	1020	1000	970	465	440	415	395	380	◆	-1.1	-4.2	-9.6	4-V	C357G
2	C41A	41 Rem. Magnum	210	13.61	JHP	150	1230	1170	1120	1080	1040	705	640	585	545	505	◆	-0.7	-3.1	-7.3	4-V	C41A
2	C44B	44 Rem. Magnum	180	11.66	JHP	150	1490	1370	1260	1170	1100	885	750	640	550	485	◆	-0.3	-1.9	-5.1	4-V	C44B
2	C44A	44 Rem. Magnum	240	15.55	JHP	150	1440	1360	1280	1220	1160	1105	985	875	785	715	◆	-0.3	-1.9	-4.9	4-V	C44A

PERSONAL DEFENSE® | HANDGUN SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
			GRAINS	GRAMS			MUZZLE	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.		
REVOLVER																						
6	C32HRB	32 H&R Magnum	85	5.51	JHP	100	1120	1070	1020	990	950	235	215	195	185	170	◆	-1.0	-4.1	-9.4	5	C32HRB
6	C357B	357 Magnum	125	8.10	JHP	100	1440	1340	1240	1160	1100	575	495	425	375	335	◆	-0.3	-2.1	-5.4	4-V	C357B
6	C357E	357 Magnum	158	10.24	JHP	100	1240	1190	1140	1100	1060	540	495	455	425	395	◆	-0.6	-3.0	-7.1	4-V	C357E
AUTOMATIC PISTOL																						
6	C9BP	9mm Luger (5x19mm Parabellum)	115	7.45	JHP	200	1180	1110	1050	1000	960	355	310	280	255	235	◆	-0.9	-3.7	-8.7	4	C9BP
6	C40SWA	40 S&W	180	11.66	JHP	100	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4	C40SWA
6	C45C	45 Auto	185	11.99	JHP	150	950	920	900	880	860	370	350	330	315	300	◆	-1.7	-6.0	-13.1	5	C45C
6	C45D	45 Auto	230	14.90	JHP	150	850	830	820	800	790	370	355	345	330	320	◆	-2.2	-7.7	-16.4	5	C45D

CHAMPION™ | HANDGUN TARGET

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
			GRAINS	GRAMS			MUZZLE	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.		
5	C32LA	32 S&W Long	98	6.35	Lead Wadcutter	100	780	720	670	620	570	130	115	95	80	70	◆	-3.3	-11.5	-25.4	5.3	C357G
5	C32LB	32 S&W Long	98	6.35	Lead Round Nose	100	780	760	750	730	720	130	125	120	115	115	◆	-2.9	-9.6	-20.4	5.3	C41A
5	C32HRA	32 H&R Magnum	95	6.16	Lead Semi-Wadcutter	100	1020	970	930	890	860	220	200	180	170	155	◆	-1.4	-5.3	-12.0	5	C44B
5	C44SA	44 Special	200	12.96	Semi-Wadcutter HP	150	870	850	830	810	790	335	320	305	290	275	◆	-2.1	-7.4	-16.0	4-V	C44A
5	C45LCA	45 Colt	225	14.58	Semi-Wadcutter HP	150	830	810	790	780	760	345	330	315	300	290	◆	-2.4	-8.2	-17.7	4-V	C45LCA

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense JHP = Jacketed Hollow Point HP = Hollow Point

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.



AMERICAN EAGLE® | INDOOR RANGE TRAINING HANDGUN SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
			GRAINS	GRAMS			MUZZLE	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.		
5	AE9N1	9mm Luger (9x19mm Parabellum)	124	8.04	TMJ	205TMF	1120	1070	1030	990	960	345	315	290	270	255	◆	-1.0	-4.0	-9.3	4	AE9N1
5	AE9N2	9mm Luger (9x19mm Parabellum)	147	9.53	TMJ	205TMF	1000	980	950	930	910	325	310	295	285	275	◆	-1.4	-5.2	-11.5	4	AE9N2
5	AE40N1	40 S&W	180	11.66	TMJ	205TMF	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4	AE40N1
5	AE45N1	45 Auto	230	14.90	TMJ	205TMF	850	830	820	800	790	370	355	345	330	320	◆	-2.2	-7.7	-16.4	5	AE45N1

AMERICAN EAGLE® | HANDGUN SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					TRAJECTORY SIGHTS .9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
			GRAINS	GRAMS			MUZZLE	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.		
REVOLVER																						
5	AE38K	38 Special	130	8.42	Full Metal Jacket	100	810	790	780	760	750	190	180	175	170	160	◆	-2.5	-8.7	-18.6	4-V	AE38K
5	AE38B	38 Special	158	10.24	Lead Round Nose	100	770	760	750	730	720	210	200	195	190	185	◆	-2.9	-9.8	-20.7	4-V	AE38B
5	AE357A	357 Magnum	158	10.24	Jacketed Soft Point	100	1240	1190	1140	1100	1060	540	495	455	425	395	◆	-0.6	-3.0	-7.1	4-V	AE357A
5	AE44A	44 Rem. Magnum	240	15.55	Jacketed Hollow Point	150	1440	1360	1280	1220	1160	1105	985	875	785	715	◆	-0.3	-1.9	-4.9	4-V	AE44A
AUTOMATIC PISTOL																						
5	AE25AP	25 Auto (6.35mm Browning)	50	3.24	Full Metal Jacket	200	760	740	720	700	680	65	60	55	55	50	◆	-3.1	-10.4	-22.1	2	AE25AP
5	AE32AP	32 Auto (7.65mm Browning)	71	4.6	Full Metal Jacket	100	900	870	850	820	800	130	120	115	105	100	◆	-2.0	-7.0	-15.2	4	AE32AP
5	AE380AP	380 Auto (9x17mm Short)	95	6.16	Full Metal Jacket	100	980	940	900	870	840	205	185	170	160	145	◆	-1.6	-5.8	-13.0	3.75	AE380AP
5	AE9MK	9mm Makarov (9x18mm Makarov)	95	6.16	Full Metal Jacket	100	1000	960	920	890	860	210	195	180	165	155	◆	-1.5	-5.5	-12.3	3.75	AE9MK
5	AE9DP	9mm Luger (9x19mm Parabellum)	115	7.45	Full Metal Jacket	200	1180	1110	1050	1000	960	355	310	280	255	235	◆	-0.9	-3.7	-8.7	4	AE9DP
5	AE9AP	9mm Luger (9x19mm Parabellum)	124	8.04	Full Metal Jacket	200	1150	1100	1050	1010	980	365	330	305	280	265	◆	-0.9	-3.8	-8.8	4	AE9AP
5	AE9FP	9mm Luger (9x19mm Parabellum)	147	9.53	Full Metal Jacket Flat Point	200	1000	980	950	930	910	325	310	295	285	275	◆	-1.4	-5.2	-11.5	4	AE9FP
5	AE38S1	38 Super	130	8.42	Full Metal Jacket	200	1200	1140	1100	1050	1020	415	375	345	320	300	◆	-0.8	-3.3	-7.9	5	AE38S1
5	AE357S2	357 Sig	125	8.1	Full Metal Jacket	200	1350	1270	1190	1130	1080	505	445	395	355	325	◆	-0.5	-2.4	-6.1	4	AE357S2
5	AE40R2	40 S&W	155	10.04	Full Metal Jacket	200	1160	1100	1040	1000	960	465	415	375	345	320	◆	-0.9	-3.8	-8.9	4	AE40R2
5	AE40R3	40 S&W	165	10.69	Full Metal Jacket	200	1130	1080	1040	1000	970	470	425	390	365	340	◆	-1.0	-4.0	-9.1	4	AE40R3
5	AE40R1	40 S&W	180	11.66	Full Metal Jacket	200	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4	AE40R1
6	AE10A	10mm Auto	180	11.66	Full Metal Jacket	150	1030	1000	970	950	920	425	400	375	355	340	◆	-1.3	-4.9	-10.9	5	AE10A
5	AE45GA	45 G.A.P.	185	11.99	Full Metal Jacket	200	1090	1050	1010	970	950	490	450	415	390	365	◆	-1.1	-4.3	-9.8	5	AE45GA
5	AE45GB	45 G.A.P.	230	14.9	Full Metal Jacket	200	880	860	850	830	820	395	380	365	355	340	◆	-2.0	-7.1	-15.3	5	AE45GB
5	AE45A	45 Auto	230	14.9	Full Metal Jacket	150	890	870	860	840	820	405	390	375	360	345	◆	-2.0	-6.9	-15.0	5	AE45A

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense TMJ = Total Metal Jacket TMF = Toxic Metal Free

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.



VARMINT AND TARGET: RIMFIRE



GAME•SHOK® | RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)				ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES TO MPH CROSSWIND			HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROES AT @ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.						FEDERAL LOAD NO.			
			GRAINS	GRAMS		MUZZLE	50 YDS.	100 YDS.	150 YDS.	MUZZLE	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	AVERAGE RANGE			LONG RANGE						
1	716	22 Long Rifle	25	1.62	No. 12 Lead Shot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	716
1	724	22 Long Rifle	31	2.01	Copper Plated HP	1430	1200	1050	950	140	100	75	60	1.8	7.1	15.1	◆	-4.6	-16.9	2.3	◆	-10.1				724
1	712	22 Long Rifle	38	2.46	Copper Plated HP	1260	1110	1010	940	135	105	85	75	1.5	5.5	11.7	◆	-5.5	-19.5	2.8	◆	-11.2				712
1	710	22 Long Rifle	40	2.59	Copper Plated Solid	1240	1100	1010	940	135	110	90	80	1.4	5.1	10.9	◆	-5.6	-19.7	2.8	◆	-11.2				710
1	810	22 Long Rifle	40	2.59	Copper Plated Solid	1240	1100	1010	940	135	110	90	80	1.4	5.1	10.9	◆	-5.6	-19.7	2.8	◆	-11.2				810
1	757	22 Win. Magnum	50	3.24	Jacketed Hollow Point	1530	1350	1200	1090	260	200	160	130	1.2	4.7	10.7	◆	-3.3	-12.7	1.6	◆	-7.7				757

CHAMPION™ | RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)				ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES TO MPH CROSSWIND			HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROES AT @ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.						FEDERAL LOAD NO.			
			GRAINS	GRAMS		MUZZLE	50 YDS.	100 YDS.	150 YDS.	MUZZLE	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	AVERAGE RANGE			LONG RANGE						
5	745*	22 Long Rifle	36	2.33	Copper Plated Hollow Point	1260	1100	1000	930	125	95	80	70	1.5	5.7	12.2	◆	-5.6	-19.7	2.8	◆	-11.4				745
5	AM22**	22 Long Rifle AutoMatch	40	2.59	Solid	1200	1080	990	930	130	105	85	75	1.3	4.9	10.6	◆	-6.0	-20.8	3.0	◆	-11.8				AM22
5	510	22 Long Rifle	40	2.59	Solid	1240	1100	1010	940	135	110	90	80	1.4	5.1	10.9	◆	-5.6	-19.7	2.8	◆	-11.2				510
5	737	22 Win. Magnum	40	2.59	Full Metal Jacket	1880	1570	1310	1120	315	220	155	110	1.4	5.8	13.6	◆	-2.1	-9.2	1.0	◆	-6.1				737

* 525 Round Bulk Pack

** 325 Round Bulk Pack

AMERICAN EAGLE® | RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)				ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES TO MPH CROSSWIND			HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROES AT @ YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.						FEDERAL LOAD NO.			
			GRAINS	GRAMS		MUZZLE	50 YDS.	100 YDS.	150 YDS.	MUZZLE	50 YDS.	100 YDS.	150 YDS.	50 YDS.	100 YDS.	150 YDS.	AVERAGE RANGE			LONG RANGE						
5	AE22	22 Long Rifle	38	2.46	Copper Plated Hollow Point	1280	1120	1020	950	140	105	90	75	1.5	5.6	11.9	◆	-5.4	-19.0	2.7	◆	-10.9				AE22
5	AE5022	22 Long Rifle	40	2.59	Solid	1260	1120	1020	950	140	110	90	80	1.4	5.2	11.1	◆	-5.4	-19.2	2.7	◆	-11.0				AE5022

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

POWER•SHOK® | SLUG SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE	SLUG WEIGHT		VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						ENERGY IN FOOT-POUNDS (TO NEAREST FOOT-POUND)						HEIGHT OF SLUG TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT ⊕ YARDS, SIGHTS .5 INCHES ABOVE BORE LINE.						TEST BARREL LENGTH INCHES
			INCHES	MM		OUNCES	GRAINS	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.		
SABOT SLUGS (Fully Rifled Slug Barrel or Rifled Choke Tube)																										
2	F127SS	12	2¾	70	Sabot Hollow Point	1	438	1450	1350	1260	1190	1120	1070	2040	1775	1545	1365	1220	1105	1.6	2.5	2	⊕	-3.7	30	
RIFLED SLUGS (Smoothbore Barrel)																										
2	F103RS	10	3½	89	Hollow Point	1¾	766	1280	1170	1090	1020	970	930	2785	2325	2000	1770	1600	1465	0.5	⊕	-2.4	-6.8	—	32	
2	F131RS	12	3	76	Hollow Point	1¼	547	1600	1460	1330	1220	1130	1060	3110	2570	2140	1800	1545	1360	0.3	⊕	-1.5	-4.5	—	30	
2	F127RS	12	2¾	70	Hollow Point	1	438	1610	1470	1340	1230	1140	1070	2520	2090	1745	1470	1260	1110	0.3	⊕	-1.5	-4.4	—	30	
2	F130RS	12	2¾	70	Hollow Point	1¼	547	1520	1390	1270	1170	1090	1030	2805	2330	1950	1660	1445	1290	0.3	⊕	-1.7	-4.9	—	30	
2	F164RS	16	2¾	70	Hollow Point	⅔	350	1600	1200	990	870	790	720	1990	1120	760	590	480	400	0.5	⊕	-2.6	-8	—	28	
2	F207RS	20	3	76	Hollow Point	¾	328	1680	1500	1350	1210	1110	1040	2055	1645	1320	1070	900	780	0.2	⊕	-1.4	-4.3	—	26	
2	F203RS	20	2¾	70	Hollow Point	¾	328	1600	1430	1280	1160	1070	1000	1865	1480	1190	975	830	730	0.3	⊕	-1.6	-4.8	—	26	
2	F412RS	410	2½	64	Hollow Point	¼	109	1775	1540	1340	1180	1060	980	760	575	430	335	270	235	0.2	⊕	-1.4	-4.4	—	26	

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense

These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal 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.

POWER•SHOK® | BUCKSHOT SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT SIZES
		INCHES	MM		
F131	12	3	76	1210	15 Pellets - 00 Buck
F131	12	3	76	1210	41 Pellets - 4 Buck
F127	12	2¾	70	1250	16 Pellets - 1 Buck
F127	12	2¾	70	1325	9 Pellets - 00 Buck
F127	12	2¾	70	1325	8 Pellets - 000 Buck
F127	12	2¾	70	1325	27 Pellets - 4 Buck
F130	12	2¾	70	1250	34 Pellets - 4 Buck
F130	12	2¾	70	1290	12 Pellets - 00 Buck
H132	12	2¾	70	1140	9 Pellets - 00 Buck
F164	16	2¾	70	1225	12 Pellets - 1 Buck
F207	20	3	76	1200	18 Pellets - 2 Buck
F203	20	2¾	70	1200	20 Pellets - 3 Buck

LR = Low Recoil

POWER•SHOK® SLUGS

Power•Shok® is an outstanding slug choice. Available in a standard 1-ounce sabot and a variety of rifled slug weights, you'll be thrilled with the power these slugs bring to the target. The Power•Shok slug line provides you with the widest variety of gauges and a very palatable price.



POWER•SHOK® BUCKSHOT

Many hunters use buckshot to bring home the venison—and with the dramatic power of our available loads, it's no wonder. Each load features a Triple Plus® wad system that gives you better shot alignment and a granulated plastic buffer to keep shot pellets uniform in shape. You get tight downrange patterns and better shopping power with Power•Shok Buckshot.

GAME•SHOK®
UPLAND LOADS | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
MAGNUM LEAD								
F129	12	3	76	1280	4	1 ⁵ / ₈	46.07	2, 4, 6
F130	12	2 ³ / ₄	70	1260	3 ³ / ₄	1 ¹ / ₂	42.53	4, 5, 6
F207	20	3	76	1185	3	1 ¹ / ₄	35.44	4, 6, 7.5
F205	20	2 ³ / ₄	70	1175	2 ³ / ₄	1 ¹ / ₈	31.90	4, 6
HI-BRASS LEAD								
H126	12	2 ³ / ₄	70	1330	3 ³ / ₄	1 ¹ / ₄	35.44	4, 5, 6, 7.5
H163	16	2 ³ / ₄	70	1295	3 ¹ / ₄	1 ¹ / ₈	31.90	4, 6, 7.5
H204	20	2 ³ / ₄	70	1220	2 ³ / ₄	1	28.35	4, 5, 6, 7.5
H413	410	3	76	1135	Max.	1 ¹ / ₁₆	19.51	4, 5, 6, 7.5, 8
H412	410	2 ¹ / ₂	64	1200	Max.	1 ¹ / ₂	14.18	6, 7.5
HEAVY FIELD LOAD								
H123	12	2 ³ / ₄	70	1255	3 ¹ / ₄	1 ¹ / ₈	31.90	4, 6, 7.5, 8
H125	12	2 ³ / ₄	70	1220	3 ¹ / ₄	1 ¹ / ₄	35.44	4, 5, 6, 7.5, 8
H202	20	2 ³ / ₄	70	1165	2 ¹ / ₂	1	28.35	6, 7.5, 8
GAME LOAD								
H121	12	2 ³ / ₄	70	1290	3 ¹ / ₄	1	28.35	6, 7.5, 8
H160	16	2 ³ / ₄	70	1165	2 ¹ / ₂	1	28.35	6, 7.5, 8
H200	20	2 ³ / ₄	70	1210	2 ¹ / ₂	7 ⁷ / ₈	23.39	6, 7.5, 8
METRO LOAD								
M123	12	2 ³ / ₄	70	900	1 ⁵ / ₈	1 ¹ / ₈	31.90	7.5
FIELD TRIAL TRAINING LOAD								
FP12	12	2 ³ / ₄	70	—	—	—	—	—

LR = Low Recoil

TOP GUN®
TARGET LOADS | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
TARGET LOADS								
TG12	12	2 ³ / ₄	70	1200	3	1 ¹ / ₈	31.90	7.5, 8
TGL12	12	2 ³ / ₄	70	1145	2 ³ / ₄	1 ¹ / ₈	31.90	7.5, 8, 9
TG121	12	2 ³ / ₄	70	1180	2 ³ / ₄	1	28.34	7.5, 8
TG20	20	2 ³ / ₄	70	1210	2 ¹ / ₂	7 ⁷ / ₈	23.39	8, 9
STEEL TARGET LOADS								
TG147	12	2 ³ / ₄	70	1145	—	1 ¹ / ₈	31.90	7



STRUT•SHOK™
TURKEY LOADS | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	DRAM EQUIV.	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM			OUNCES	GRAMS	
FT139	12	3 ¹ / ₂	89	1300	Mag.	2	56.70	4, 5, 6
FT158	12	3	76	1210	4	1 ¹ / ₈	53.16	4, 5, 6

SPEED•SHOK®
WATERFOWL LOADS | SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		MUZZLE VELOCITY	SHOT CHARGE WEIGHT		SHOT SIZES
		INCHES	MM		OUNCES	GRAMS	
WF133	12	3 ¹ / ₂	89	1550	1 ³ / ₈	38.98	BB, 2, 3
WF143	12	3	76	1550	1 ¹ / ₈	31.90	BB, 2, 3, 4
WF140	12	3	76	1400	1 ¹ / ₄	35.44	BB, 2, 3, 4
WF146	12	2 ³ / ₄	70	1375	1	28.35	6, 7
WF147	12	2 ³ / ₄	70	1375	1 ¹ / ₈	31.90	BB, 2, 3, 4, 6
WF207	20	3	76	1300	7 ⁷ / ₈	24.81	2, 4
WF208	20	2 ³ / ₄	70	1425	3 ³ / ₄	21.26	7

CHAMPION™ | CENTERFIRE PRIMERS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
100	Small Pistol	Std. velocity pistol and revolver	.175
150	Large Pistol	Std. and magnum pistol and revolver	.210
155	Large Magnum Pistol	Magnum revolver	.210
200	Small Magnum Pistol	High velocity and magnum pistol and revolver	.175
205	Small Rifle	Small rifle	.175
210	Large Rifle	Large rifle	.210
215	Large Magnum Rifle	Magnum rifle	.210

CHAMPION™ | SHOTSHELL PRIMERS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
209A	Shotshell	10, 12, 20, 28 and .410 gauge	.243

CHAMPION™ | WADS

FEDERAL LOAD NO.	TYPE	USE
12S0	12 Gauge	7/8 and 1 oz. loads in Gold Medal target shells
12S3	12 Gauge	1-1/8 oz. loads in Gold Medal target and hunting shells
12S4	12 Gauge	1-1/4 oz. loads in Gold Medal target and hunting shells
20S1	20 Gauge	7/8 and 1 oz. in all loads
28S1	28 Gauge	3/4 oz. loads
410SC	.410 Gauge	1/2 oz. loads (shot cup only)

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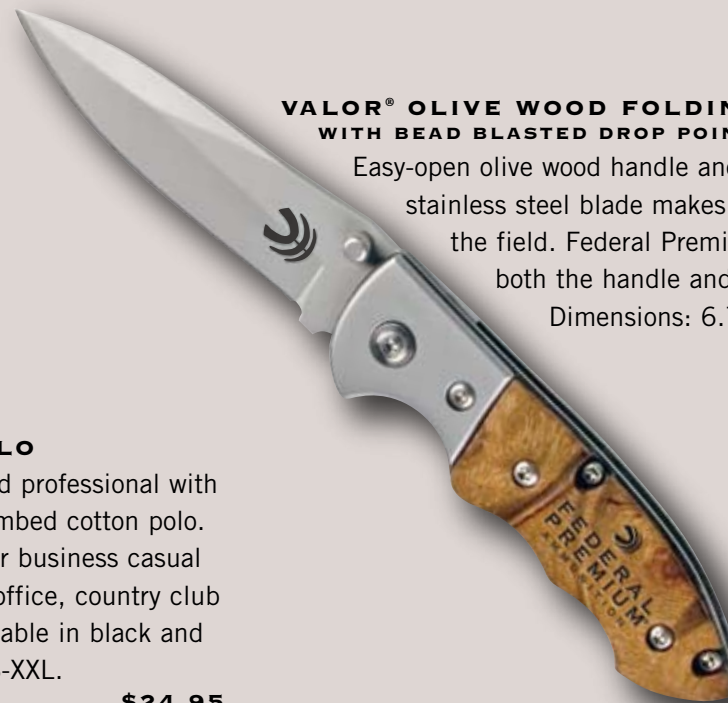
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