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**FEDERAL
PREMIUM®**
AMMUNITION



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The Federal Experience Defined

To be a hunter is to experience the outdoor world in an entirely different way. We see the early morning sun in autumn as not only the dawning of a beautiful new day, but the peak time to encounter that trophy you've been dreaming about all year. In fact, we see every morning as a new opportunity to live your passion for the shooting sports.

No company understands the outdoor experience better than the one that brought meaning to the term "Premium." Federal Premium® Ammunition is proud to offer another year of exciting change in the often stagnant world of traditional shells and cartridges.

The first caliber to bear our name, the .338 Federal, has found wide acceptance in the industry and in the gun safes of many hunters seeking the perfect combination of impact diameter, reasonable recoil, and downrange accuracy and energy. But we're not satisfied with just sitting back enjoying our success. This year we will introduce our new Black Cloud™ line of ammunition for the demanding waterfowl hunter. Black Cloud is an entirely new kind of load that provides a significant performance enhancement over standard steel loads, but at a steel price.

We'll also be adding the Barnes® Expander™ Tipped shotgun slug to further push the envelope of slug performance out of rifled barrels. This shell is capable of delivering shot groups of less than 4 inches at 200-yards. This product offers incredible performance by any standard. You'll also find a host of line extensions that meet our goal of providing you the finest selection of quality ammunition in the world.

Be sure to experience Federal Premium beyond the pages of this catalog as we launch our new television show in the fall of 2007. See The Federal Experience™ on the Versus network and come with us into the wilds where we're truly alive.

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

Mark W. DeYoung
President, Federal Premium Ammunition





New Product Highlights

FEDERAL PREMIUM® AMMUNITION is a company with 85-years of history and proven excellence in technologically-advanced and high-quality ammunition manufacture. The past few years have brought you the Shotshell Revolution, more bullet innovation from our partner companies Nosler®, Barnes® and Sierra® and our very own efficient, make sense cartridge—the .338 Federal. Those of you who have taken our products into the field have no doubt been sold on the obvious product advantages our new items have shown on paper and game. If not, we hope to win you over soon. Maybe this year's new product lineup will be just the ticket to turn you into a believer.



NEW PRODUCT TECHNOLOGY FOR 2007

It's time to unveil another round of new product excitement from the world leader in ammunition technology. Our focus this year is on improving the steel shot experience for waterfowl hunters, extending the range of rifled shotgun barrel users and filling the gaps in-between to offer you the most ammunition choices around. From soft-shooting to hardcore-hitters, Federal Premium® is proud to provide you with an option no matter what your shooting style.

TAKING SABOT SLUGS TO THE NEXT YARD MARKER

Federal's Barnes® Expander™ sabot slug has long been noted as the most accurate slug available for rifled slug barrel hunters. With groups of 2-inches at 100-yards commonplace, it's no wonder. The secret is in the wad—it opens perfectly to release the all-copper Expander immediately upon muzzle exit. This means the wad doesn't interfere with the flight path of the slug and releases clean. Look for the four perfect petals next time you shoot on the range. This same design excellence is being used in the new Expander Tipped slug. It's new from Barnes and loaded exclusively by Federal Premium®. The secret to this one lies not just in the wad, but all the way to the tip. See this catalog's shotgun spread on page 32-33 for more details.

You'll also find more rifle loads with Nosler® AccuBond™ offerings in .308 Win. and .30-06, a new 32-grain Ballistic Tip™ in .204 Ruger® and 140-grain 7mm and .280 Barnes® Triple-Shock™ additions. Waterfowl hunters will notice the highest density shot in the industry with Ultra-Shok® HEAVYWEIGHT®. Handgunners will enjoy a .460 S&W 275-grain Barnes Expander™ offering and Sporting Clays enthusiasts will find another new load in Gold Medal®.

THERE'S A STORM BREWING ON THE HORIZON.
DUCK AND GOOSE HUNTING WILL NEVER BE THE SAME

BLACKCLOUD
FS STEEL

See pages 36-37 for more information.

DROP DUCKS LIKE RAIN™





Find your perfect rifle load.

It's hard to believe, but Federal® offers more than 170 options in our Premium® rifle line. It's what makes us the most complete ammunition company in the business and provides you with a choice no matter what your pursuit. But how do you know which is right for you? We've spent the past few years refining our selection process—both for you and us. The result is culminated in an updated rifle selector guide and even an interactive in-store kiosk. See this page for more detail on the specific bullets we offer and use our selector chart on page 7 to find the right bullet for your pursuit.



Find out what Federal Premium recommends for your next hunt using the new Rifle Ammunition Authority—initially found at Cabela's stores nationwide.



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.



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.



Nosler® Accubond™

Nosler AccuBond combines the terminal performance of a bonded bullet with the accuracy and retained energy of a Ballistic Tip.



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.



Woodleigh® Weldcore® Soft Point & 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.



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 Silvēx® core and a poly-tip to provide devastating performance at both short and extended distances.



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®. Cape-Shok®, the ultimate ammunition line for the world's most difficult and dangerous game also offers the 100% non-toxic TSX-Bullet.



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.

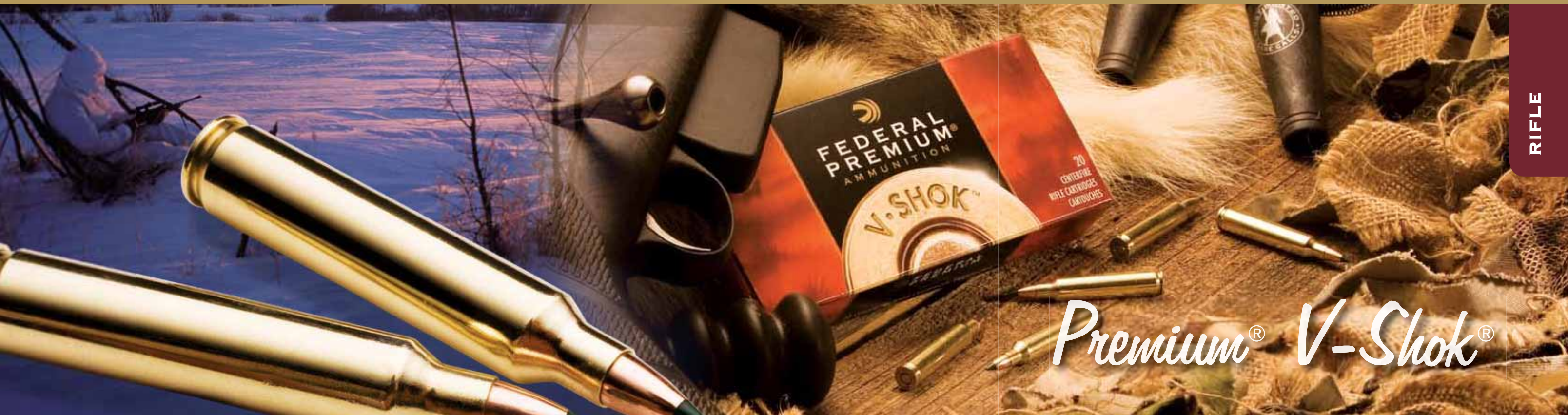


Sierra® GameKing®

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.

BULLET TYPE	Prairie Dog	Woodchuck	Fox	Coyote	Marmot	Cougar	Antelope	Whitetail Deer	Mule Deer	Sable	Gazelle	Big Horn	Black Bear	Caribou	Elk	Buffalo	Lion	Brown Bear	Polar Bear	Cape Buffalo	Elephant
WOODLEIGH WELDCORE SP																●	●	●	●	●	
WOODLEIGH SOLID																				●	●
TROPHY BONDED SLEDGEHAMMER																				●	●
TROPHY BONDED BEAR CLAW							●	●	●	●	●	●	●	●	●	●	●	●	●	●	
NOSLER PARTITION							●	●	●	●	●	●	●	●	●	●	●	●	●		
SIERRA GAMEKING	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
BARNES MRX-BULLET							●	●	●	●	●	●	●	●	●	●					
BARNES TRIPLE SHOCK-X							●	●	●	●	●	●	●	●	●	●	●	●	●	●	
NOSLER ACCUBOND							●	●	●	●	●	●	●	●	●	●		●	●		
NOSLER BALLISTIC TIP	●	●	●	●	●		●	●	●												
RECOMMENDED CALIBERS	.222 - .22-250					.243 - .300 Win. Mag.					.7mm Mag. - .338					.375 - .470			.416 - .470		

This chart is intended to provide a general guideline for the types of bullets and calibers that can be used in certain hunting applications. Additional research should be done by the user to determine the optimum caliber/bullet type for specific big game applications.



Premium® V-Shok®

Keeping up with the Rugers.

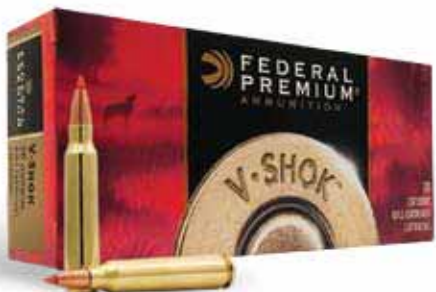
No doubt if you're a serious varmint hunter you know all about the .204 Ruger and its wide acceptance in the community. It's a hot cartridge that rounds out an already impressive Premium® varmint offering with two explosive bullet options. So what makes a good varmint offering great? One, it needs to be available in a number of different firearms with a variety of loads; two, it needs to move out fast for flat trajectory and high energy on target. Top it off with a thin-jacketed bullet and you've got a winner. Throw a polymer tip on top of that and you'll make your moving targets jump that much higher. The .204 Ruger offers light bullets (32-39 grain in Federal loads) barreling out at nearly 4,000 feet-per-second muzzle velocity for some dynamic acrobatics on the prairie. You asked for it, Federal answered.

YOU KNOW WHAT THE "V" STANDS FOR

Varmints—the word alone gets you revved-up for action on the prairie. There is no better way to test your marksmanship than by using a small caliber rifle in high winds to take out small, moving targets. It's the best practice on the way to becoming an impressive rifle shooter and happens to be a whole lot of fun. You won't find more interactive targets to challenge your skills and test your nerves. V-Shok™ is designed for high-quality and outstanding accuracy. Whether



you target prairie dogs, woodchucks or coyotes, Federal Premium® offers a load for you. From the hot new .204 Ruger to the time-tested .22-250 and more, we understand your passion and offer the most explosive bullets to help you save the day. You'll find polymer-tipped options in the Nosler® Ballistic Tip® and Sierra® BlitzKing®, hollow-points in the Speer® TNT®, Sierra Varminter™ and MatchKing™. Accurate and destructive, get yours today.



NOSLER® BALLISTIC TIP®		
LOAD NO.	CALIBER	GRAINS
<i>New</i> P204B	204 Ruger	32
P222C	222 Rem. (5.56x43mm)	40
P223P	223 Rem. (5.56x45mm)	40
P223F	223 Rem. (5.56x45mm)	55
P22250H	22-250 Rem.	40
P22250F	22-250 Rem.	55
P220B	220 Swift	40
P243H	243 Win. (6.16x51mm)	55
P243F	243 Win. (6.16x51mm)	70
P2506G	25-06 Rem.	85

SIERRA BLITZKING®		
LOAD NO.	CALIBER	GRAINS
P204A	204 Ruger	39

SIERRA GAMEKING® BOAT-TAIL HP		
LOAD NO.	CALIBER	GRAINS
P223E	223 Rem. (5.56x45mm)	55
P22250B	22-250 Rem.	55
P220V	220 Swift	52

SPEER® HOT-COR® SOFT POINT		
LOAD NO.	CALIBER	GRAINS
P22B	22 Hornet	45

SPEER® TNT®		
LOAD NO.	CALIBER	GRAINS
P22A	22 Hornet	33



RIFLE

Who's chambering in .338 Federal?

It's been a full year since news of the .338 Federal® hit the wire and many people have taken notice—from industry experts to die-hard hunters. Preliminary testing of the first centerfire rifle cartridge to bear the Federal name has proven what many have known for years—a .338 diameter bullet in a short action, .308 case is one effective hunting cartridge. This is especially true when you consider the top-quality case, primer, powder and reputation of Federal Premium®, not to mention the world's best available bullets. Here's a list as of press time—we hope to see it grow.

- Kimber®: 84M Classic**
- Ruger®: All Weather® M77®**
- Ruger®: Target Grey® Frontier**
- Ruger: Number 1A**
- Sako®: 85**
- Steyr®: Mannlicher Prohunter**
- Tikka: T3**
- Thompson Center®: Pro Hunter™**
- Countless Custom offerings**

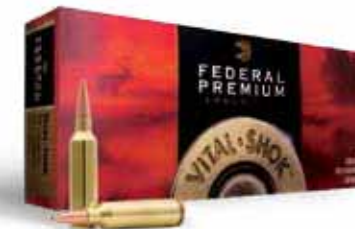
SUCCESS TAKES MANY PATHS, BUT NO SHORTCUTS

There is nothing like the deep satisfaction of a challenge overcome. Whether it's tracking a trophy bull across miles of high country, or producing ammunition that will drop him with a single, satisfying shot. Understanding that feeling is what makes Federal Premium® Vital-Shok® different from standard ammunition. We answer the call for utmost performance with the most advanced, most innovative ammunition available: every cartridge the result of unmatched technical expertise, superlative components and—most important—constant im-



provement. No other manufacturer adheres so strictly to world-class standards across the board. Then so thoroughly develops and tests, challenges and refines every performance detail of every component. No brand so painstakingly matches primers and powders, casings and bullets to so wide an array of shooting situations. The result is the broadest high-performance centerfire ammunition line on the planet, ammunition that improves with each passing season. You've loaded the best there is.

Premium® Vital-Shok®



NOSLER® ACCUBOND®		
LOAD NO.	CALIBER	GRAINS
P2506A1	25-06 Rem.	110
P270A1	270 Win.	140
P270WSMA1	270 Win. Short Magnum	140
P270WBA2	270 Weatherby Magnum	140
P708A2	7mm-08 Rem.	140
P280A2	280 Rem.	140
P280A1	280 Rem.	160
P7RA2	7mm Rem. Magnum	140
P7RA1	7mm Rem. Magnum	160
P7WSMA1	7mm Win. Short Magnum	160
P7WBA1	7mm Weatherby Magnum	160
P7STWA1	7mm STW	160
P308A1	308 Win. (7.62x51mm)	165
P3006A2	30-06 Spring. (7.62x63mm)	150
P3006A1	30-06 Spring. (7.62x63mm)	180
P300WA1	300 Win. Magnum	180
P300WSMA1	300 Win. Short Magnum	180
P338FA1	338 Federal	180
P338A3	338 Win. Magnum	180
P338A1	338 Win. Magnum	225
P338RUMA1	338 Rem. Ultra Magnum	225
P375A1	375 H&H Magnum	260

New
New

NOSLER® BALLISTIC TIP®		
LOAD NO.	CALIBER	GRAINS
P243J	243 Win. (6.16x51mm)	95
P2506D	25-06 Rem.	100
P260B	260 Rem.	120
P270F	270 Win.	130
P270WSMB	270 Win. Short Magnum	130
P708B	7mm-08 Rem.	140
P280D	280 Rem.	140
P7RH	7mm Rem. Magnum	150
P7WSMB	7mm Win. Short Magnum	140
P308F	308 Win. (7.62x51mm)	150
P3006P	30-06 Spring. (7.62x63mm)	150
P3006Q	30-06 Spring. (7.62x63mm)	165
P300WSMD	300 Win. Short Magnum	150

SIERRA GAMEKING BOAT-TAIL SP		
LOAD NO.	CALIBER	GRAINS
P243D	243 Win. (6.16x51mm)	85
P243C	243 Win. (6.16x51mm)	100
P2506C	25-06 Rem.	117
P260A	260 Rem.	140
P270D	270 Win.	130
P270C	270 Win.	150
P7RD	7mm Rem. Magnum	150
P7RE	7mm Rem. Magnum	165
P308C	308 Win. (7.62x51mm)	165
P3006G	30-06 Spring. (7.62x63mm)	150
P3006D	30-06 Spring. (7.62x63mm)	165
P730A	7-30 Waters	120

See additional Vital-Shok offerings on pages 12-13.



Premium® Vital-Shok®

Protect your passion.



The Rocky Mountain Elk Foundation (RMEF) is a glowing example of how best to organize efforts in support of game and habitat. RMEF has been in existence for 22 years and has surpassed the 4 million-mark for cumulative acres conserved and enhanced for the continent's million-animal elk herd. The organization manages 4,357 conservation and education projects across 48 states and eight provinces. This fine group employs a five-tier process to support its overall mission of enhancing habitat for elk and other species in its range: 1) Land Protection, 2) Habitat Stewardship, 3) Elk Restoration, 4) Conservation Education and 5) Endowment. These have made RMEF a success and Federal Premium is proud to offer an on-box royalty program through our High Energy and .338 Win. Mag. load offerings. Join us in support—www.rmef.org.

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. Find our long list of .270 and .300 WSM offerings—unique ideas made better by the top-quality bullets Federal Premium® has made mainstream. We understand the obsessive nature of hunting and that there is no



excuse for not having the best ammunition available. That's why we match primer, powder and the highest-quality factory case in the industry with the best bullets around. We've rivaled the best handloaders over the years and invite you to try out one of these high-quality medium and large game loads. The "Vital" in Vital-Shok stands not only for the result of impact on your target, but also to the vital importance of the having top quality ammunition. Enjoy the hunt, scrutinize your shot and treasure the memories.

BARNES® TRIPLE SHOCK X-BULLET

LOAD NO.	CALIBER	GRAINS
P243K	243 Win. (6.16x51mm)	85
P2506H	25-06 Rem.	100
P270L	270 Win.	130
P270WSMD	270 Win. Short Magnum	130
P708C	7mm-08 Rem.	140
P280E	280 Rem.	140
P7RM	7mm Rem. Magnum	140
P7RN	7mm Rem. Magnum	160
P7WSMD	7mm Win. Short Magnum	160
P308V	308 Win. (7.62x51mm)	150
P308H	308 Win. (7.62x51mm)	165
P3006AF	30-06 Spring. (7.62x63mm)	165
P3006AE	30-06 Spring. (7.62x63mm)	180
P300HB	300 H&H Magnum	180
P300WR	300 Win. Magnum	165
P300WP	300 Win. Magnum	180
P300WSMG	300 Win. Short Magnum	165
P300WSMF	300 Win. Short Magnum	180
P300WBE	300 Weatherby Magnum	180
P300RUMD	300 Rem. Ultra Magnum	180
P338FC	338 Federal	185
P338K	338 Win. Magnum	225

New
New
New

BARNES® MRX®

LOAD NO.	CALIBER	GRAINS
P308W	308 Win. (7.62x51mm)	180
P3006AH	30-06 Spring. (7.62x63mm)	180
P300WX	300 Win. Magnum	180
P300WSMJ	300 Win. Short Magnum	180

NOSLER® PARTITION

LOAD NO.	CALIBER	GRAINS
P223Q	223 Rem. (5.56x45mm)	60
P22250G	22-250 Rem.	60
P243E	243 Win. (6.16x51mm)	100
P6C	6mm Rem.	100
P257B	257 Roberts	120
P2506E	25-06 Rem.	115
P270P	270 Win.	130
P270E	270 Win.	150
P270WSMP	270 Win. Short Magnum	130
P270WSMC	270 Win. Short Magnum	150
P7C	7mm Mauser (7x57mm Mauser)	140
P708A	7mm-08 Rem.	140
P280A	280 Rem.	150
P7RG	7mm Rem. Magnum	140
P7RF	7mm Rem. Magnum	160
P7WSMC	7mm Win. Short Magnum	160
P3030D	30-30 Win.	170
P308S	308 Win. (7.62x51mm)	150
P308E	308 Win. (7.62x51mm)	180
P308G	308 Win. (7.62x51mm)	180
P3006AD	30-06 Spring. (7.62x63mm)	165
P3006F	30-06 Spring. (7.62x63mm)	180
P3006R	30-06 Spring. (7.62x63mm)	180
P300HA	300 H&H Magnum	180
P300WK	300 Win. Magnum	165
P300WD2	300 Win. Magnum	180
P300WSME	300 Win. Short Magnum	165
P300WSMB	300 Win. Short Magnum	180
P300WBA	300 Weatherby Magnum	180
P300RUMC	300 Rem. Ultra Magnum	200
P338FB	338 Federal	210
P338A2	338 Win. Magnum	210
P338B2	338 Win. Magnum	250
P338RUMA	338 Rem. Ultra Magnum	210

TROPHY BONDED® BEAR CLAW®

LOAD NO.	CALIBER	GRAINS
P270T1	270 Win.	140
P270T3	270 Win.	140
P270WSMT1	270 Win. Short Magnum	140
P270WBT1	270 Weatherby Magnum	140
P7RT2	7mm Rem. Magnum	160
P7RT1	7mm Rem. Magnum	175
P7WBT1	7mm Weatherby Magnum	160
P308T1	308 Win. (7.62x51mm)	165
P3006T1	30-06 Spring. (7.62x63mm)	165
P3006T2	30-06 Spring. (7.62x63mm)	180
P300WT2	300 Win. Magnum	180
P300WT1	300 Win. Magnum	200
P300WSMT1	300 Win. Short Magnum	180
P300WBT1	300 Weatherby Magnum	180
P300RUMT1	300 Rem. Ultra Magnum	180
P338T1	338 Win. Magnum	225
P375T4	375 H&H Magnum	250





Premium® Cape-Shok®

Not just for safari hunters.



Don't let the name fool you—Safari Club International (SCI) is not just for those who travel the world in search of dangerous game. SCI funds and manages worldwide programs dedicated to wildlife conservation, outdoor education and humanitarian services. Their efforts are focused on three continents: Asia, Africa and North America. Sure, initiatives like the Zambezi Lion Research project in Africa benefit safari hunters and the overall health of an animal not in North America, but those like the Sierra Nevada Bighorn Sheep Projects hit close to home. They demonstrate the truly international charter of SCI. Join today and help us contribute to another star organization—www.safariclub.org.

THIS IS THE PLACE TO COMPROMISE

Cape-Shok® ammunition from Federal Premium® is a prime example of how the best ammunition components come together to provide the perfect throne for the world's most revered projectiles. The heralded Trophy Bonded® Bear Claw and Sledgehammer® soft and solids are complimented by top-notch Barnes®, Nosler® and Woodleigh® bullet options. You're the type who will not compromise your once-in-a-lifetime shot at one of



the big five—why take chances with any other ammunition brand. Shot to shot, lot to lot you won't find a better option for everything from kudu to cape buffalo. Find your load in most popular calibers beginning with .375 H&H through .458 Lott and the big man on the block—the .470 Nitro Express. Best of all, every box bearing the SCI logo will give funds back to this important organization.

BARNES® TRIPLE SHOCK X-BULLET		
LOAD NO.	CALIBER	GRAINS
P375H	375 H&H Magnum	300
P416D	416 Rigby	400
P416RB	416 Rem. Magnum	400
P458D	458 Win. Magnum	500

NOSLER® PARTITON		
LOAD NO.	CALIBER	GRAINS
P375F	375 H&H Magnum	300

WOODLEIGH® WELDCORE SOFT POINT		
LOAD NO.	CALIBER	GRAINS
P470A	470 Nitro Express	500

WOODLEIGH® SOLID		
LOAD NO.	CALIBER	GRAINS
P470B	470 Nitro Express	500

TROPHY BONDED® BEAR CLAW®		
LOAD NO.	CALIBER	GRAINS
P375T1	375 H&H Magnum	300
P375T3	375 H&H Magnum	300
P416T1	416 Rigby	400
P416RT1	416 Rem. Magnum	400
P458T1	458 Win. Magnum	400
P458T2	458 Win. Magnum	500
P458LT1	458 Lott	500
P470T1	470 Nitro Express	500

TROPHY BONDED® SLEDGEHAMMER® SOLID		
LOAD NO.	CALIBER	GRAINS
P375T2	375 H&H Magnum	300
P416T2	416 Rigby	400
P416RT2	416 Rem. Magnum	400
P458T3	458 Win. Magnum	500
P458LT2	458 Lott	500
P470T2	470 Nitro Express	500





Match Competition Beginnings:

The Palma Trophy match started in 1876 and consists of competing teams of 16 shooters from the US, England and Canada shooting every 3 to 4 years at a different host's range. The course of fire consists of the following shots:

- 15 at 800 yards (unlimited sighters, 20 minutes)
- 15 at 900 yards (2 sighters, 20 minutes)
- 15 at 1000 yards (2 sighters, 20 minutes)

This competition is just one of the key matches that has provided the groundwork for multiple centerfire rifle matches—including high power rifle competitions that showcase the steel-nerve of some of the world's best shooters. Find out more about competitive shooting at the NRA's website—www.nrahq.org.

STRAP ON YOUR LEATHERS; GO FOR THE GOLD

The majority of these pages are dedicated to the strong emotions associated with hunting and the experience you feel when facing off with your quarry. We're proud to set this section apart and dedicate some copy to the competitive shooter. There's no stronger emotion than what you feel during an intense competition. Everything from your pre-match jitters to the controlled breathing you've practiced in your leathers. You've trained long and hard for the moment of your match.



Make sure you don't trust anything less than the most consistent factory ammunition in the business. Our Gold Medal® loads raise the expectation of factory loads and bring more to the competition firing line than any other manufacturer. 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. And it's just the edge you need to take home some hardware.



Extreme accuracy is the only way to describe the performance of Federal Premium Gold Medal 308 Match. The target shows 10 shots fired at 200 yards.

SIERRA® MATCHKING™ BOAT-TAIL HP		
LOAD NO.	CALIBER	GRAINS
GM223M	223 Rem. (5.56x45mm)	69
GM223M3	223 Rem. (5.56x45mm)	77
GM308M	308 Win. (7.62x51mm)	168
GM308M2	308 Win. (7.62x51mm)	175
GM3006M	30-06 Spring. (7.62x63mm)	168
GM300WM	300 Win. Magnum	190





PREMIUM® RIFLE BALLISTICS

			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					HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT 0 YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.										TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.	
	USAGE				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.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			
FEDERAL PREMIUM® V-SHOK®																																						
	1	P22A		22 Hornet	33	2.14	Speer TNT	200	3100	2010	1220	910	760	650		705	295	110	60	45	30	4.2	21.2	55.4	102	160	-0.1	◆	-8.1	-40.0	2.0	4.0	◆	-27.9	-93.6	-212.5	24	P22A
	1	P22B		22 Hornet	45	2.92	Speer Hot-Cor SP	200	2690	2100	1590	1210	1000	890		725	440	255	145	100	80	2.6	11.9	30.5	59.3	95.9	0.0	◆	-6.6	-27.5	1.7	3.3	◆	-17.6	-59.5	-134.2	24	P22B
	1	P204B		204 Ruger	32	2.07	Nosler Ballistic Tip	200	4030	3470	2970	2520	2120	1760		1155	855	625	450	320	220	1.0	4.4	10.6	20.4	34.6	-0.4	◆	-1.4	-6.8	-0.1	0.7	◆	-4.7	-14.9	-33.1	24	P204B
	1	P204A		204 Ruger	39	2.53	Sierra BlitzKing	205	3750	3360	3010	2680	2380	2090		1220	980	785	625	490	380	0.8	3.3	7.8	14.6	24.3	-0.4	◆	-1.6	-7.0	0.0	0.8	◆	-4.7	-14.1	-29.9	24	P204A
	1	P222C		222 Rem. (5.56x43mm)	40	2.59	Nosler Ballistic Tip	205	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
	1	P223P		223 Rem. (5.56x45mm)	40	2.59	Nosler Ballistic Tip	205	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
	1	P223E		223 Rem. (5.56x45mm)	55	3.56	Sierra GameKing BTHP	205	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
	1	P223F		223 Rem. (5.56x45mm)	55	3.56	Nosler Ballistic Tip	205	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
	1	P22250H		22-250 Rem.	40	2.59	Nosler Ballistic Tip	210	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
	1	P22250B		22-250 Rem.	55	3.56	Sierra GameKing BTHP	210	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
	1	P22250F		22-250 Rem.	55	3.56	Nosler Ballistic Tip	210	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
	1	P220B		220 Swift	40	2.59	Nosler Ballistic Tip	210	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
	1	P220V		220 Swift	52	3.37	Sierra MatchKing BTHP	210	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
	1	P243H		243 Win. (6.16x51mm)	55	3.56	Nosler Ballistic Tip	210	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
	1	P243F		243 Win. (6.16x51mm)	70	4.54	Nosler Ballistic Tip	210	3450	3110	2800	2510	2240	1980		1850	1505	1220	980	780	610	0.8	3.4	8.0	15	24.8	-0.3	◆	-2.1	-8.6	0.2	1.0	◆	-5.5	-16.5	-34.6	24	P243F
	1	P2506G		25-06 Rem.	85	5.51	Nosler Ballistic Tip	210	3550	3230	2930	2640	2380	2130		2380	1965	1615	1320	1070	855	0.7	3.0	7.2	13.3	22	-0.4	◆	-1.8	-7.8	0.1	0.9	◆	-5.0	-15.0	-31.2	24	P2506G
FEDERAL PREMIUM® VITAL-SHOK®																																						
	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	-0.2	◆	-3.2	-12.7	0.5	1.6	◆	-8.0	-24.8	-54.4	24	P223Q
	2	P22250G		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	-0.3	◆	-2.3	-9.6	0.2	1.1	◆	-6.2	-19.3	-42.4	24	P22250G
	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	-0.3	◆	-2.7	-10.3	0.4	1.3	◆	-6.3	-19.0	-39.2	24	P243K
	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	-0.3	◆	-2.4	-9.5	0.3	1.2	◆	-5.9	-17.9	-37.2	24	P243D
	2	P243J		243 Win. (6.16x51mm)	95	6.16	Nosler Ballistic Tip	210	3025	2770	2540	2310	2100	1890		1930	1625	1355	1125	925	755	0.8	3.2	7.6	14.2	23.0	-0.2	◆	-3.0	-11.5	0.5	1.5	◆	-6.9	-20.4	-41.6	24	P243J
	2	P243E		243 Win. (6.16x51mm)	100	6.48	Nosler Partition*	210	2850	2610	2390	2170	1970	1780		1805	1515	1265	1045	860	700	0.9	3.4	8.2	15.2	24.8	-0.2	◆	-3.6	-13.4	0.7	1.8	◆	-8.0	-23.3	-47.6	24	P243E
	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	-0.2	◆	-3.1	-11.7	0.6	1.6	◆	-7.0	-20.4	-41.3	24	P243C
	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	-0.3	◆	-2.8	-10.7	0.4	1.4	◆	-6.5	-19.2	-39.2	24	P6C
	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	-0.1	◆	-3.8	-14.2	0.8	1.9	◆	-8.				



PREMIUM® RIFLE BALLISTICS

		USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	MUZZLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						MUZZLE	ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)					WIND DRIFT IN INCHES 10 MPH CROSSWIND					HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT 0 YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.										TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.
					GRAINS	GRAMS				100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.			100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.		
FEDERAL PREMIUM® VITAL-SHOK®																																						
✓		2	P7RA2	7mm Rem. Magnum	140	9.07	Nosler AccuBond	215	3110	2910	2720	2530	2360	2190		3005	2630	2295	1995	1725	1485	0.5	2.4	5.5	10.1	16.5	-0.3	◆	-2.6	-10.0	0.4	1.3	◆	-6.0	-17.4	-35.2	24	P7RA2
		2	P7RG	7mm Rem. Magnum	140	9.07	Nosler Partition	215	3150	2920	2710	2500	2310	2120		3085	2655	2280	1950	1655	1400	0.6	2.6	6.1	11.3	18.5	-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-6.0	-17.6	-35.8	24	P7RG
		2	P7RM	7mm Rem. Magnum	140	9.07	Barnes Triple Shock X-Bullet	215	3120	2870	2640	2420	2210	2010		3025	2565	2165	1815	1515	1250	0.7	3.0	6.9	12.9	21.0	-0.3	◆	-2.7	-10.4	0.4	1.4	◆	-6.3	-18.7	-38.1	24	P7RM
		2	P7RH	7mm Rem. Magnum	150	9.72	Nosler Ballistic Tip	215	3025	2830	2650	2470	2300	2130		3045	2670	2335	2030	1760	1515	0.6	2.4	5.6	10.3	16.8	-0.2	◆	-2.9	-10.7	0.5	1.4	◆	-6.4	-18.4	-37.2	24	P7RH
		3	P7RD	7mm Rem. Magnum	150	9.72	Sierra GameKing BTSP	215	3110	2890	2680	2470	2280	2090		3220	2775	2385	2035	1730	1460	0.6	2.7	6.2	11.5	18.7	-0.3	◆	-2.7	-10.2	0.4	1.4	◆	-6.2	-18.1	-36.7	24	P7RD
◇		3	P7RF	7mm Rem. Magnum	160	10.37	Nosler Partition	215	2950	2750	2560	2380	2210	2040		3090	2690	2335	2015	1730	1480	0.6	2.7	6.0	11.3	18.2	-0.2	◆	-3.1	-11.5	0.6	1.6	◆	-6.8	-19.8	-40.0	24	P7RF
		3	P7RN	7mm Rem. Magnum	160	10.37	Barnes Triple Shock X-Bullet	215	2940	2760	2580	2410	2240	2090		3070	2695	2360	2060	1785	1545	0.6	2.5	5.6	10.5	17.0	-0.2	◆	-3.1	-11.4	0.6	1.6	◆	-6.7	-19.5	-39.3	24	P7RN
		3	P7RT2	7mm Rem. Magnum	160	10.37	Trophy Bonded Bear Claw	215	2900	2640	2400	2170	1950	1750		2990	2480	2045	1670	1350	1085	0.9	3.6	8.6	16.0	26.5	-0.2	◆	-3.5	-13.1	0.7	1.7	◆	-7.9	-23.0	-47.5	24	P7RT2
		3	P7RA1	7mm Rem. Magnum	160	10.37	Nosler AccuBond	215	2900	2730	2560	2390	2240	2090		2990	2635	2320	2035	1775	1545	0.6	2.4	5.5	10.2	16.5	-0.2	◆	-3.2	-11.7	0.6	1.6	◆	-6.9	-19.9	-39.9	24	P7RA1
		3	P7RE	7mm Rem. Magnum	165	10.69	Sierra GameKing BTSP	215	2950	2750	2550	2360	2180	2010		3190	2760	2380	2045	1745	1480	0.7	2.7	6.3	11.8	19.0	-0.2	◆	-3.1	-11.6	0.6	1.6	◆	-6.9	-20.1	-40.5	24	P7RE
◇		3	P7RT1	7mm Rem. Magnum	175	11.34	Trophy Bonded Bear Claw	215	2900	2670	2460	2250	2050	1870		3270	2775	2345	1965	1640	1355	0.8	3.2	7.4	13.8	22.4	-0.2	◆	-3.4	-12.5	0.7	1.7	◆	-7.5	-21.9	-44.3	24	P7RT1
◇		2	P7WSMB	7mm Win. Short Magnum	140	9.07	Nosler Ballistic Tip	215	3310	3100	2900	2700	2520	2340		3405	2985	2610	2270	1975	1705	0.6	2.2	5.2	9.4	15.2	-0.3	◆	-2.1	-8.4	0.2	1.1	◆	-5.2	-15.2	-30.6	24	P7WSMB
		3	P7WSMC	7mm Win. Short Magnum	160	10.37	Nosler Partition	215	3160	2950	2750	2560	2380	2210		3545	3095	2690	2335	2015	1730	0.6	2.4	5.6	10.2	16.6	-0.3	◆	-2.5	-9.6	0.3	1.3	◆	-5.9	-16.9	-34.3	24	P7WSMC
		3	P7WSMD	7mm Win. Short Magnum	160	10.37	Barnes Triple Shock X-Bullet	215	2990	2800	2620	2450	2290	2130		3175	2790	2445	2135	1855	1605	0.5	2.4	5.5	10.2	16.5	-0.2	◆	-3.0	-10.9	0.5	1.5	◆	-6.5	-18.8	-37.8	24	P7WSMD
		3	P7WSMA1	7mm Win. Short Magnum	160	10.37	Nosler AccuBond	215	3120	2940	2760	2590	2430	2270		3460	3060	2705	2380	2090	1825	0.5	2.1	5.0	9.1	14.7	-0.3	◆	-2.5	-9.7	0.4	1.3	◆	-5.9	-16.8	-33.8	24	P7WSMA1
	◇		3	P7WBA1	7mm Weatherby Magnum	160	10.37	Nosler AccuBond	215	3100	2920	2740	2570	2410	2250		3415	3020	2670	2350	2060	1800	0.5	2.2	5.0	9.1	14.8	-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-5.9	-17.1	-34.3	24
◇		3	P7WBT1	7mm Weatherby Magnum	160	10.37	Trophy Bonded Bear Claw	215	2990	2730	2480	2240	2020	1810		3175	2640	2185	1790	1455	1170	0.8	3.5	8.2	15.3	25.1	-0.2	◆	-3.2	-12.0	0.6	1.6	◆	-7.3	-21.4	-44.1	24	P7WBT1
		3	P7STWA1	7mm STW	160	10.37	Nosler AccuBond	215	3100	2920	2740	2570	2410	2250		3415	3020	2670	2350	2060	1800	0.5	2.2	5.0	9.1	14.8	-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-5.9	-17.1	-34.3	24	P7STWA1
		2	P3030D	30-30 Win.	170	11.02	Nosler Partition	210	2200	1890	1620	1380	1190	1060		1825	1355	990	720	535	425	1.8	8.1	19.4	36.7	59.9	0.3	◆	-8.4	-30.0	2.4	4.2	◆	-17.4	-53.5	-114.4	24	P3030D
◇		2	P308F	308 Win. (7.62x51mm)	150	9.72	Nosler Ballistic Tip	210	2820	2610	2410	2220	2040	1860		2650	2270	1935	1640	1380	1155	0.8	3.0	7.2	13.3	21.5	-0.2	◆	-3.6	-13.2	0.7	1.8	◆	-7.8	-22.7	-45.8	24	P308F
		2	P308S	308 Win. (7.62x51mm)	150	9.72	Nosler Partition	210	2840	2600	2380	2170	1970	1780		2685	2260	1885	1565	1285	1050	0.9	3.4	8.2	15.1	24.7	-0.2	◆	-3.6	-13.4	0.7	1.8	◆	-8.0	-23.4	-47.8	24	P308S
		2	P308V	308 Win. (7.62x51mm)	150	9.72	Barnes Triple Shock X-Bullet	210	2820	2570	2340	2120	1910	1720		2650	2205	1825	1495	1215	980	0.9	3.6	8.7	16.0	26.6	-0.2	◆	-3.7	-13.9	0.8	1.9	◆	-8.3	-24.2	-49.9	24	P308V
		2	P308T1	308 Win. (7.62x51mm)	165	10.69	Trophy Bonded Bear Claw	210	2700	2450	2210	1980	1770	1580		2670	2190	1785	1440	1145	910	1.0	4.2	9.9	18.5	30.7	-0.1	◆	-4.4	-15.9	1.0	2.2	◆	-9.3	-27.5	-57.1	24	P308T1
		3	P308H	308 Win. (7.62x51mm)	165	10.69	Barnes Triple Shock X-Bullet	210	2650	2420	2200	1990	1800	1620		2575	2145	1775	1455	1185	960	0.9	3.9	9.2	17.0	28.3	-0.1	◆	-4.5	-16.2	1.0	2.2	◆	-9.5	-27.5	-56.8	24	P308H
✓		2	P308A1	308 Win. (7.62x51mm)	165	10.69	Nosler AccuBond	210	2730	2540	2360	2190	2020	1860		2730	2365	2040	1755	1495	1270	0.7	2.9	6.8	12.6	20.3	-0.1	◆	-3.9	-14.1	0.8	1.9	◆	-8.3	-23.7	-47.5	24	P308A1



PREMIUM® RIFLE BALLISTICS

	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	MUZZLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					MUZZLE	ENERGY IN FOOT-POUNDS (TO NEAREST 5 FOOT-POUNDS)				WIND DRIFT IN INCHES 10 MPH CROSSWIND					HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT 0 YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.					TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.								
				GRAINS	GRAMS				100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.		100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	50 YDS.	AVERAGE RANGE	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	LONG RANGE	200 YDS.	300 YDS.	400 YDS.	500 YDS.		
FEDERAL PREMIUM® VITAL-SHOK®																																						
◇	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	-0.3	◆	-2.4	-9.4	0.3	1.2	◆	-5.7	-16.6	-33.5	24	P300WBA	
◇	3	P300WBE	300 Weatherby Magnum	180	11.66	Barnes Triple Shock X-Bullet	215	3110	2900	2690	2500	2310	2130		3865	3350	2895	2485	2130	1810	0.6	2.6	6.0	10.9	17.9	-0.3	◆	-2.7	-10.2	0.4	1.3	◆	-6.1	-17.8	-36.2	24	P300WBE	
◇	3	P300WBT1	300 Weatherby Magnum	180	11.66	Trophy Bonded Bear Claw	215	3040	2780	2540	2310	2090	1880		3695	3090	2570	2125	1740	1410	0.8	3.3	7.7	14.5	23.6	-0.2	◆	-3.0	-11.4	0.5	1.5	◆	-6.9	-20.4	-41.7	24	P300WBT1	
◇	3	P300RUMD	300 Rem. Ultra Magnum	180	11.66	Barnes Triple Shock X-Bullet	216	3150	2930	2730	2530	2340	2160		3965	3440	2970	2555	2190	1865	0.6	2.5	5.8	10.7	17.6	-0.3	◆	-2.6	-9.8	0.4	1.3	◆	-6.0	-17.3	-35.1	24	P300RUMD	
◇	3	P300RUMT1	300 Rem. Ultra Magnum	180	11.66	Trophy Bonded Bear Claw*	216	3200	2930	2680	2440	2210	2000		4090	3435	2870	2380	1960	1595	0.7	3.1	7.2	13.5	22.2	-0.3	◆	-2.6	-10.0	0.4	1.3	◆	-6.1	-18.1	-37.3	24	P300RUMT1	
◇	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	-0.3	◆	-2.8	-10.4	0.4	1.4	◆	-6.2	-18.0	-36.4	24	P300RUMC	
	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	-0.2	◆	-3.7	-13.7	0.8	1.8	◆	-8.2	-23.9	-49.3	24	P338FA1	
	3	P338FC	338 Federal	185	11.99	Barnes Triple Shock X-Bullet	210	2750	2500	2260	2030	1820	1810		3105	2660	2265	1920	1615	1350	0.8	3.1	7.4	13.8	22.3	-0.1	◆	-3.8	-14.1	0.8	1.9	◆	-8.3	-24.1	-48.5	24	P338FC	
	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	-0.1	◆	-4.5	-16.2	1.1	2.3	◆	-9.4	-27.3	-56.3	24	P338FB	
	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	-0.3	◆	-2.8	-10.6	0.4	1.4	◆	-6.4	-19.1	-39.2	24	P338A3	
	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	-0.2	◆	-3.6	-13.4	0.7	1.8	◆	-8.0	-23.3	-47.5	24	P338A2	
	3	P338K	338 Win. Magnum	225	14.58	Barnes Triple Shock X-Bullet	215	2800	2570	2340	2130	1930	1740		3915	3290	2740	2270	1865	1520	0.9	3.5	8.4	15.4	25.4	-0.1	◆	-3.8	-14	0.8	1.9	◆	-8.3	-24.1	-49.5	24	P338K	
◇	3	P338T1	338 Win. Magnum	225	14.58	Trophy Bonded Bear Claw	215	2730	2490	2260	2050	1840	1660		3725	3100	2560	2095	1700	1370	0.9	3.8	9.0	16.7	27.8	-0.1	◆	-4.1	-15.1	0.9	2.1	◆	-8.9	-25.9	-53.7	24	P338T1	
	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	-0.2	◆	-3.5	-12.7	0.7	1.8	◆	-7.4	-21.4	-42.6	24	P338A1	
	3	P338B2	338 Win. Magnum	250	16.20	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	-0.1	◆	-4.2	-15.0	1.0	2.1	◆	-8.8	-25.1	-50.5	24	P338B2	
◇	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	-0.2	◆	-3.0	-11.2	0.5	1.5	◆	-6.7	-19.9	-40.4	24	P338RUMA	
◇	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	-0.2	◆	-2.8	-10.5	0.5	1.4	◆	-6.2	-17.9	-36.0	24	P338RUMA1	
◇	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	4.4	10.2	19.4	32.1	-0.1	◆	-4.5	-16.4	1.1	2.3	◆	-9.6	-28.6	-59.4	24	P375T4	
◇	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	-0.1	◆	-4.0	-14.5	0.9	2.0	◆	-8.5	-24.5	-48.9	24	P375A1	
FEDERAL PREMIUM® CAPE-SHOK®																																						
◇	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	0.0	◆	-5.1	-17.7	1.3	2.5	◆	-10.2	-30.1	-61.6	24	P375F	
◇	4	P375H	375 H&H Magnum	300	19.44	Barnes Triple Shock X-Bullet	215	2470	2240	2010	1800	1610	1760		4065	3575	3135	2740	2380	2065	0.6	2.9	6.7	12.0	19.7	0.0	◆	-5.0	-17.4	1.3	2.5	◆	-9.8	-27.9	-56.1	24	P375H	
◇	4	P375T1	375 H&H Magnum	300	19.44	Trophy Bonded Bear Claw	215	2400	2160	1930	1720	1530	1360		3835	3105	2485	1975	1555	1230	1.3	5.0	12.1	22.6	37.3	0.1	◆	-5.9	-21.3	1.6	3.0	◆	-12.4	-36.6	-75.9	24	P375T1	
◇	4	P375T2	375 H&H Magnum	300	19.44	Trophy Bonded Sledgehammer Solid	215	2440	2120	1820	1550	1320	1150		3965	2980	2195	1595	1165	875	1.7	6.9	16.9	32.2	53.6	◆	-0.2	-6.7	-23.9	0.1	◆	-6.3	-23.4	-55.1	-107.3	24	P375T2	
HE	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	4.5	10.5	20.1	33.1	0.0	◆	-4.9	-17.4	1.2	2.4	◆	-10.1	-30.4	-62.9	24	P375T3	
◇	4	P416D	416 Rigby	400	25.92	Barnes Triple Shock X-Bullet	216	2400	2190	1990	1800	1630	1460		5115	4255	3515	2875	2345	1905	1.1	4.4	10.2	19.3	31.4	◆	-0.2	-6.1	-20.8	0.1	◆	-5.8	-20.3	-45.9	-84.3	24	P416D	
◇	4	P416T1	416 Rigby	400	25.92	Trophy Bonded Bear Claw	216	2300	2080	1880	1690	1520	1360		4700	3860	3140	2540	2045	1645	1.2	4.8	11.6	21.6	35.4	◆	-0.3	-7.1	-23.9	0.2	◆	-6.4	-23.0	-51.5	-95.4	24	P416T1	
◇	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	◆	-0.3	-7.1	-25.0	0.1	◆	-6.6	-24.2	-56.3	-108.3	24	P416T2	
◇	4	P416RB	416 Rem. Magnum	400	25.92	Barnes Triple Shock X-Bullet	216	2370	2160	1960	1770	1600	1440		4990	4145	3415	2795	2280	1850	1.1	4.4	10.4	19.7	32.0	◆	-0.2	-6.4	-21.6	0.1	◆	-5.9						




FEDERAL® & AMERICAN EAGLE® RIFLE BALLISTICS

	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	MUZZLE	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					HEIGHT OF BULLET TRAJECTORY IN INCHES ABOVE OR BELOW LINE OF SIGHT IF ZEROED AT 100 YARDS, SIGHTS 1.5 INCHES ABOVE BORE LINE.										TEST BARREL LENGTH INCHES	FEDERAL LOAD NO.				
				GRAINS	GRAMS				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.	50 YDS.	AVERAGE RANGE				50 YDS.	100 YDS.	LONG RANGE							
	1	222A	222 Rem. (5.56x43mm)	50	3.24	Soft Point	205	3140	2710	2320	1960	1640	1370		1095	815	595	425	300	205	1.3	5.5	13.5	26.3	44.7	-0.2	◆	-3.3	-13.1	0.6	1.6	◆	-8.2	-25.7	-56.5	24	222A			
	1	223A	223 Rem. (5.56x45mm)	55	3.56	Soft Point	205	3240	2800	2400	2040	1710	1420		1280	955	705	505	355	245	1.2	5.3	12.9	25.0	42.6	-0.3	◆	-3.0	-12.0	0.5	1.5	◆	-7.6	-23.8	-52.3	24	223A			
	1	223B	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	-0.3	◆	-2.7	-10.9	0.4	1.4	◆	-6.8	-20.6	-44.2	24	223B			
		223L	223 Rem. (5.56x45mm)	64	4.15	Soft Point	205	3090	2720	2380	2060	1770	1510		1355	1050	800	600	445	325	1.1	4.8	11.6	22.2	37.4	-0.2	◆	-3.2	-12.7	0.6	1.6	◆	-7.9	-23.9	-51.5	24	223L			
	1	22250A	22-250 Rem.	55	3.56	Soft Point	210	3680	3190	2760	2360	2000	1670		1655	1245	930	680	490	340	1.1	4.5	10.8	20.9	35.4	-0.4	◆	-1.9	-8.4	0.1	1.0	◆	-5.6	-17.5	-38.4	24	22250A			
	1	243AS	243 Win. (6.16x51mm)	80	5.18	Speer Hot-Cor SP	210	3350	3070	2810	2560	2330	2100		1995	1675	1400	1165	960	785	0.7	2.9	6.9	12.7	20.9	-0.3	◆	-2.2	-8.8	0.2	1.1	◆	-5.5	-16.3	-33.7	24	243AS			
	2	243B	243 Win. (6.16x51mm)	100	6.48	Soft Point	210	2960	2700	2450	2210	1990	1780		1945	1615	1330	1085	880	705	0.9	3.6	8.4	15.8	25.9	-0.2	◆	-3.3	-12.4	0.6	1.6	◆	-7.5	-22.1	-45.4	24	243B			
	2	6AS	6mm Rem.	80	5.18	Soft Point	210	3470	3180	2910	2660	2420	2190		2140	1800	1505	1255	1040	855	0.7	2.8	6.6	12.1	19.9	-0.4	◆	-1.9	-8.0	0.1	1.0	◆	-5.1	-15.1	-31.1	24	6AS			
	2	6B	6mm Rem.	100	6.48	Soft Point	210	3100	2830	2570	2330	2100	1880		2135	1775	1470	1205	980	785	0.8	3.4	7.9	14.8	24.1	-0.3	◆	-2.9	-11.0	0.5	1.4	◆	-6.7	-19.9	-40.7	24	6B			
	2	2506BS	25-06 Rem.	117	7.58	Speer Hot-Cor SP	210	2990	2730	2480	2250	2030	1820		2320	1935	1600	1315	1070	860	0.8	3.5	8.1	15.2	24.9	-0.2	◆	-3.2	-12.0	0.6	1.6	◆	-7.2	-21.4	-43.9	24	2506BS			
	2	6555B	6.5x55 Swedish	140	9.07	Soft Point	210	2650	2450	2260	2080	1900	1740		2185	1865	1585	1340	1120	935	0.7	3.3	7.8	14.3	23.6	-0.1	◆	-4.3	-15.5	1.0	2.2	◆	-9.0	-25.9	-52.8	24	6555B			
	2	270A	270 Win.	130	8.42	Soft Point	210	3060	2800	2560	2330	2110	1900		2705	2265	1890	1565	1285	1045	0.8	3.2	7.6	14.2	23.1	-0.2	◆	-3.0	-11.2	0.5	1.5	◆	-6.7	-20.0	-40.9	24	270A			
	2	270B	270 Win.	150	9.72	Soft Point RN	210	2850	2500	2180	1890	1620	1390		2705	2090	1590	1185	875	640	1.2	5.3	12.7	24.6	41.2	-0.1	◆	-4.1	-15.4	0.9	2.0	◆	-9.3	-28.8	-61.5	24	270B			
	2	270WSME	270 Win. Short Magnum	130	8.42	Soft Point	215	3250	2980	2720	2480	2250	2030		3050	2560	2140	1775	1460	1195	0.7	3.0	7.1	13.2	21.7	-0.3	◆	-2.4	-9.6	0.3	1.2	◆	-5.9	-17.5	-36.0	24	270WSME			
	2	7B	7mm Mauser (7x57mm Mauser)	140	9.07	Speer Hot-Cor SP	210	2660	2450	2260	2070	1890	1720		2200	1870	1585	1330	1110	920	0.8	3.4	8.0	14.7	24.3	-0.1	◆	-4.3	-15.5	1.0	2.1	◆	-9.0	-25.9	-53.1	24	7B			
	2	7A	7mm Mauser (7x57mm Mauser)	175	11.34	Soft Point RN	210	2440	2140	1860	1600	1380	1200		2315	1775	1335	995	740	560	1.5	6.3	15.5	29.3	48.8	0.1	◆	-6.1	-22.6	1.6	3.0	◆	-13.4	-40.4	-86.2	24	7A			
	2	708CS	7mm-08 Rem.	150	9.72	Speer Hot-Cor SP	210	2650	2440	2240	2040	1860	1690		2340	1980	1665	1390	1150	950	0.8	3.5	8.3	15.3	25.4	-0.1	◆	-4.4	-15.7	1.0	2.2	◆	-9.2	-26.5	-54.4	24	708CS			
	2	280B	280 Rem.	150	9.72	Soft Point	210	2890	2670	2460	2250	2060	1880		2780	2370	2010	1690	1415	1175	0.8	3.1	7.3	13.6	22.0	-0.2	◆	-3.4	-12.6	0.7	1.7	◆	-7.5	-21.9	-44.2	24	280B			
	2	7RA	7mm Rem. Magnum	150	9.72	Soft Point	215	3110	2840	2590	2350	2120	1910		3220	2685	2230	1835	1495	1210	0.8	3.3	7.7	14.5	23.6	-0.3	◆	-2.8	-10.8	0.4	1.4	◆	-6.6	-19.6	-40.1	24	7RA			
	3	7RB	7mm Rem. Magnum	175	11.34	Soft Point	215	2860	2650	2440	2250	2060	1880		3180	2720	2315	1960	1650	1375	0.8	3.0	7.2	13.3	21.4	-0.2	◆	-3.5	-12.8	0.7	1.7	◆	-7.6	-22.1	-44.6	24	7RB			
	2	7WSME	7mm Win. Short Magnum	150	9.72	Soft Point	215	3100	2830	2580	2340	2110	1900		3200	2670	2215	1820	1485	1200	0.8	3.3	7.7	14.5	23.7	-0.3	◆	-2.9	-10.9	0.5	1.4	◆	-6.6	-19.7	-40.4	24	7WSME			
	1	30CA	30 Carbine	110	7.13	Soft Point RN	205	1990	1560	1230	1030	920	840		965	595	370	260	205	170	3.5	15.1	35.8	63.7	97.4	0.7	◆	-13.0	-49.1	3.9	6.5	◆	-29.7	-90.9	-190.2	18	30CA			
	2	76239B	7.62x39mm Soviet	123	7.97	Soft Point	210	2350	2060	1780	1540	1330	1160		1510	1155	870	645	480	370	1.6	6.7	16.2	30.7	50.8	0.2	◆	-6.7	-24.6	1.8	3.4	◆	-14.5	-43.9	-93.3	20	76239B			
		3030C	30-30 Win.	125	8.10	Hollow Point	210	2570	2080	1660	1310	1080	950		1835	1205	760	475	325	250	2.3	10.2	25.6	49.9	81.6	0.1	◆	-6.7	-26.4	1.7	3.3	◆	-16.4	-53.7	-120.6	24	3030C			
	2	3030A	30-30 Win.	150	9.72	Soft Point FN	210	2390	2020	1690	1400	1180	1040		1900	1360	945	650	465	360	2.0	8.6	20.8	40	65.9	0.1	◆	-7.2	-26.7	1.9	3.6	◆	-15.9	-50.1	-109.8	24	3030A			
	2	3030B	30-30 Win.	170	11.02	Soft Point RN	210	2200	1890	1620	1380	1190	1060		1825	1355	990	720	535	425	1.8	8.1	19.4	36.7	59.9	0.3	◆	-8.4	-30.0	2.4	4.2	◆	-17.4	-53.5	-114.4	24	3030B			



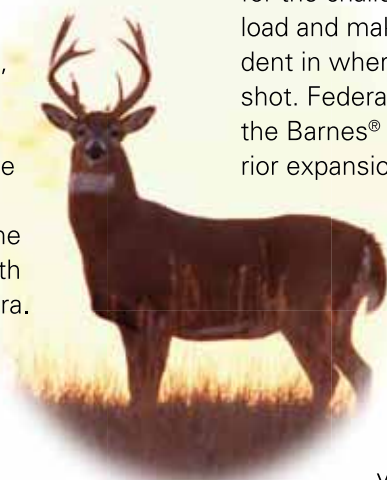
Premium® Vital-Shok®

We are the NRA.

 **NRA** One of the great freedoms we enjoy in America is the right to bear arms. Without it we would most certainly lose our close ties to the outdoors and the thrill we feel when entering our favorite blind or walking our honey-hole trail. The Second Amendment is constantly coming under attack and we need to take action to keep it alive and well. Federal Premium has a long history of strong support for the NRA and its dedicated membership. In fact, not long ago the company extended a year's membership to any employee interested in joining. It was widely accepted and embraced here at the plant and just one example of how Federal supports those groups that keep our sport strong. Join the NRA today www.nra.org.

MEET THE CHALLENGE

Taking down big game is never an easy task, especially when you elect to take your handgun out there to do the trick. Sure, you've got a great trail with outstanding signs of an active trophy; you may have even caught the monster on tape with your new trail camera. It doesn't matter. If you don't make the shot, you're going home empty-handed. And no shot is tougher than with a short-barreled firearm like a magnum revolver. Less length



means more room for error. But you've been practicing. You're up for the challenge. Select the right load and make sure you're confident in where it will hit—shot after shot. Federal Premium® now offers the Barnes® Expander™ for superior expansion, maximum energy transfer on target and ideal performance on deer. And as always, find the proven CastCore®. This hard-cast bullet retains all its weight and shape to give you the bone-crushing performance you need when taking down medium to large game.



Castcore

Barnes Expander

CASTCORE		
LOAD NO.	CALIBER	GRAINS
P357J	357 Magnum	180
P41B	41 Rem. Magnum	250
P44E	44 Rem. Magnum	300

BARNES® EXPANDER®		
LOAD NO.	CALIBER	GRAINS
P357XB1	357 Magnum	140
P41XB1	41 Rem. Magnum	180
P44XB1	44 Rem. Magnum	225
P454XB1	454 Casull	250
New P460XB1	460 S&W	275
P480XB1	480 Ruger	275
P500XB1	500 S&W	275



THE ULTIMATE PROTECTION

The performance advantage is clear when you look at a Hydra-Shok® bullet—the post on the inside of the hollow-point cavity shows without a doubt why this bullet expands so well and creates a uniform upset for the ultimate energy on target. And when lives are at stake, law enforcement professionals and home defense proponents trust nothing less certain than the capability of Hydra-Shok.



Hydra-Shok JHP



EFMJ®		
LOAD NO.	CALIBER	GRAINS
PD9CSP2 H	9mm Luger (9x19mm Parabellum)	105
PD40CSP2 H	40 S&W	135
PD45CSP2 H	45 Auto	165

HYDRA-SHOK® JHP		
LOAD NO.	CALIBER	GRAINS
P32HS1	32 Auto (7.65mm Browning)	65
PD380HS1 H	380 Auto (9x17mm Short)	90
P9HS1	9mm Luger (9x19mm Parabellum)	124
PD9HS5 H	9mm Luger (9x19mm Parabellum)	135
P9HS2	9mm Luger (9x19mm Parabellum)	147
PD38HS3 H	38 Special	110
P38HS1	38 Special +P	129
PD357HS2 H	357 Magnum	130
P357HS1	357 Magnum	158
PD40HS4 H	40 S&W	135
P40HS2	40 S&W	155
P40HS3	40 S&W	165
P40HS1	40 S&W	180
P10HS1	10mm Auto	180
P44HS1	44 Rem. Magnum	240
PD45G1 H	45 G.A.P.	185
P45GHS1	45 G.A.P.	230
PD45HS3 H	45 Auto	165
P45HS1	45 Auto	230

JHP		
LOAD NO.	CALIBER	GRAINS
P357S1	357 Sig	125

When a hollow-point doesn't fit the bill, look at our Expanding Full Metal Jacket, unmatched in non-hollow point technology. The EFMJ provides higher energy, more reliable expansion, lower risk of collateral damage and reduced recoil—vitally important features for a personal defense round. Its rubber core and skived copper jacket are the heart of a unique construction that expands consistently based solely on impact—not hydraulics—meaning confidence in any situation.



Expanding Full Metal Jacket

PREMIUM® HANDGUN BALLISTICS

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.		
FEDERAL PREMIUM® VITAL-SHOK®																							
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	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	16.20		Barnes Expander	150	1530	1420	1330	1240	1170	1300	1125	975	850	755	◆	-0.2	-1.6	-4.4	5.7-V	P454XB1
2	P460XB1	460 S&W	275	17.82		Barnes Expander	210	1800	1720	1640	1570	1500	1980	1810	1650	1505	1370	◆	0.2	-0.5	-2.0	8.4-V	P460XB1
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
FEDERAL PREMIUM® PERSONAL DEFENSE®																							
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 (9x17mm Short) (LR)	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	PD380HS1 H
6	PD9CSP2 H	9mm Luger (9x19mm Parabellum) (LR)	105	6.80		EFMJ	200	1230	1140	1070	1010	970	355	305	265	240	220	◆	-0.8	-3.4	-8.2	4	PD9CSP2 H
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) (LR)	135	8.75		Hydra-Shok JHP	200	1060	1030	1000	970	950	335	315	300	280	270	◆	-1.2	-4.5	-10.2	4	PD9HS5 H
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 (LR)	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	PD38HS3 H
6	P38HS1	38 Special +P	129	8.36		Hydra-Shok JHP	100	950	930	900	880	870	260	245	235	225	215	◆	-1.6	-5.9	-13	4-V	P38HS1
6	PD357HS2 H	357 Magnum (LR)	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	PD357HS2 H
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 (LR)	135	8.75		EFMJ	100	1200	1110	1040	990	940	430	370	325	290	265	◆	-0.9	-3.7	-8.8	4	PD40CSP2 H
6	PD40HS4 H	40 S&W (LR)	135	8.75		Hydra-Shok JHP	100	1200	1120	1050	1000	960	430	375	330	300	275	◆	-0.8	-3.7	-8.6	4	PD40HS4 H
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. (LR)	185	11.99		Hydra-Shok JHP	200	1090	1050	1010	970	950	490	450	415	390	365	◆	-1.1	-4.3	-9.8	5	PD45G1 H
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 (LR)	165	10.69		Hydra-Shok JHP	150	1060	1010	980	940	910	410	375	350	325	305	◆	-1.2	-4.7	-10.6	5	PD45HS3 H
6	PD45CSP2 H	45 Auto (LR)	165	10.69		EFMJ	150	1140	1080	1030	990	950	475	425	390	360	335	◆	-1.0	-4.0	-9.2	5	PD45CSP2 H
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
FEDERAL PREMIUM® GOLD MEDAL®																							
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

FOR THE TRUE COMPETITOR

For the real competition shooter, there is no better choice than Federal Premium® Gold Medal® Match ammunition. Our Lead Wadcutter, Full Metal Jacket and Full Metal Jacket Semi-Wadcutter Match bullets are unequaled in match-grade performance. Choose from our .38 Special and two .45 Auto pistol loads to seal your victory.



FMJ MATCH		
LOAD NO.	CALIBER	GRAINS
GM45A	45 Auto	230

FMJ-SWC MATCH		
LOAD NO.	CALIBER	GRAINS
GM45B	45 Auto	185

LEAD WADCUTTER MATCH		
LOAD NO.	CALIBER	GRAINS
GM38A	38 Special	148

Abbreviation Key: EFMJ = Expanding Full Metal Jacket, JHP = Jacketed Hollow Point
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 29.52 inches; altitude at sea level). Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights and ammunition. * = Molycoat = Molybdenum Disulfide Dry Film Lubricant



FEDERAL® POWER-SHOK®

For the cost-conscious handgun hunter, several hot calibers are available in our performance-driven Jacketed Hollow Point loads. Keep the cost down and retain solid performance with Power-Shok®.



FEDERAL® PERSONAL DEFENSE®

Federal Personal Defense loads offer a quality option for those who carry or keep a firearm close at home. Find them in popular boot-gun calibers like .32 H&R Magnum and two .357 Magnum offerings. There are also 9mm, .40 S&W and .45 Auto loads to meet the needs of autoloader users. Keep your confidence with our Jacketed Hollow Point (JHP).



FEDERAL® CHAMPION®

Time at the range goes fast. If you love to shoot, our Champion® loads are the answer. We offer a good selection of great bullets for target practice. Spend a few hours at the range to sharpen your skills—or just have fun.



AMERICAN EAGLE®

Hitting the range this weekend? Federal's American Eagle handgun loads are the perfect choice for quality target rounds that great ballistics and reliable feeding. You'll find these loads more than suitable for honing your skills and an affordable option for the target board.

New



FEDERAL® & AMERICAN EAGLE® HANDGUN BALLISTICS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN			BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 5 FOOT-POUNDS)					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.		
FEDERAL® POWER-SHOK®																							
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
FEDERAL® PERSONAL DEFENSE® 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
FEDERAL® PERSONAL DEFENSE® AUTOMATIC PISTOL																							
6	C9BP	9mm Luger (9x19mm 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
FEDERAL® CHAMPION®																							
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	C32LA
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	C32LB
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	C32HRA
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	C44SA
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
AMERICAN EAGLE® HANDGUN																							
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	4.60		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		FMJ 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 +P	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	8.10		Full Metal Jacket	200	1350	1270	1190	1130	1080	505	445	395	355	325	◆	-0.5	-2.4	-6.1	4	AE357S2
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	AE40R2	40 S&W	155	10.04		Full Metal Jacket	100	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	100	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	100	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4	AE40R1
5	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	AE44A	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	AE44A
5	AE44B	44 Rem. Magnum	240	15.55		Jacketed Soft Point	150	1440	1360	1280	1220	1160	1105	985	875	785	715	◆	-0.3	-1.9	-4.9	4-V	AE44B
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	14.90		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	14.90		Full Metal Jacket	150	890	870	860	840	820	405	390	375	360	345	◆	-2.0	-6.9	-15.0	5	AE45A
AMERICAN EAGLE® IRT HANDGUN																							
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

Abbreviation Key: HP = Hollow Point, JHP = Jacketed Hollow Point, TMF = Toxic Metal Free, TMJ = Total Metal Jacket, IRT = Indoor Range Training
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. * = Molycoat = Molybdenum Disulfide Dry Film Lubricant



SHOTSHELL

Why the tip?

Polymer tipped bullets are all the rage these days. But do they actually provide some ballistic advantages? The answer is—yes—there are many advantages to using a product that features a polymer tip. Here's a quick list of the real benefits you get when you choose a tipped product, and why we're continually adding these products to our lineup.

Tipped for Performance

- A tip increases a bullet's ballistic coefficient, making it sleeker and more aerodynamic
- Longer range performance is enhanced because the tip forces expansion on impact, creating consistent upsets across a spectrum of ranges
- Overall accuracy is also better with many tipped products—due to better flight and less wind resistance
- Bullet deformation is no longer a risk in the magazine, due to the durable construction of polymer tips

Federal Premium® offers these tipped products: Nosler® AccuBond™ and Ballistic Tip®, Sierra® BlitzKing and Barnes® MRX™ and new shotgun Tipped Expander™.

THE BEST A SHOTGUN CAN DO

We take slug load development very seriously. Our ¾-ounce Barnes® Expander™ Sabot Slug doesn't leave the factory until it shoots 2-inch groups at 100 yards out of a 12-gauge rifled test barrel. Now that's accurate. And with 150% greater expansion than conventional sabot slugs, Expander is top-tier—

by anyone's standards. New for this year, the Barnes Expander gets a tip, making it a legitimate 200-yard performer and bringing tip technology to the shotgun slug. Premium® slugs are also available in a standard sabot slug, and for the smoothbore hunter, new TruBall® revolutionizes accuracy out of your typical shotgun.



Barnes® Expander™ Tipped Sabot Slug

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.

New New

SLUG BALLISTICS

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	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.	
FEDERAL PREMIUM® VITAL-SHOK® BARNES® EXPANDER™ SABOT SLUGS (FULLY RIFLED SLUG BARREL)																										
2	P151 XS	12	3	76	Barnes Sabot		1	438	1530	1460	1390	1330	1270	1220	2275	2070	1885	1725	1575	1450	1.3	2	1.6	⬮	-2.9	30
2	P152 XS	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	P150 XS	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	P209 XS	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
2	P208 XS	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
FEDERAL PREMIUM® VITAL-SHOK® BARNES® EXPANDER™ TIPPED SABOT SLUGS (FULLY RIFLED SLUG BARREL)																										
2	P152 XT1	12	2¾	70	Barnes Tipped Sabot		¾	325	1900	1820	1750	1670	1600	1535	2630	2580	2530	2480	2430	2385	0.3	1.0	0.9	⬮	-1.7	30
2	P209 XT1	20	3	76	Barnes Tipped Sabot		⅝	275	1900	1810	1730	1640	1560	1490	2190	1990	1810	1640	1485	1345	0.7	1.2	1.0	⬮	-1.9	30
FEDERAL PREMIUM® VITAL-SHOK® TRUBALL™ RIFLED SLUGS (SMOOTHBORE BARREL)																										
2	PB127 LRS*	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	PB127 RS	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	PB203 RS	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; *LR = Low Recoil

Premium® Vital-Shok® Slugs

New BARNES® EXPANDER® TIPPED SABOT SLUG

- High velocity (1900 fps)
- Controlled expansion
- Flatter trajectory than hollow-point counterpart
- Tip aids in consistent expansion at all ranges
- Capable of 2 inch groups or better at 100 yards and 4 inch groups or better at 200 yards
- Increased downrange energy
- Available in 12 and 20 gauge loads



20 gauge shown

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.



Premium® Vital-Shok® Buckshot

Shotgunning for deer.

Shotgun hunting is gaining in popularity across the country—mostly in the slug category. Federal Premium® is proud to offer the best options for both smoothbore and rifled barrel shotgun hunters. We've even upped the ante on buckshot performance using our FLITECONTROL® wad technology. Why a shotgun? It used to be that hunters would only use a shotgun for deer hunting due to regulation by states. But advancements in barrel construction and sabot slugs like the Barnes® Expander™ have tightened groups on shotguns and now offer rifle-like accuracy at 100 yards and beyond. This kind of performance has changed the way many people think of the shotgun—and has influenced many to take one to the field as their firearm of choice. Smoothbore shooters are now able to see much better accuracy from “pumpkin ball” slugs by using the outstanding technology behind TruBall®.

BUCKSHOT HUNTING WILL NEVER LOOK BACK

By now, turkey hunters are well aware of the advantage provided by the FLITECONTROL® wad system. And in case there are any hunters unaware, FLITECONTROL provides the tightest turkey patterns available for devastating performance on target (see pages 42-43 of this catalog for more). This unique and revolutionary product is now available for buckshot hunters. FLITECONTROL works by rotating traditional wad design 180-degrees. Conventional wads open from the front and peel away from the shot, making patterns open faster and wider. This amazing wad opens

from the rear, holding shot tight for up to 19-feet out the muzzle. This gives you more downrange velocity and patterns almost twice as tight as conventional buckshot loads. Federal Premium ballisticians and engineers have spent countless hours testing this new wad design and each and every load has its own unique composition to maximize pattern density and optimize the new FLITECONTROL technology. If you hunt with the time-tested, short-range powerhouse of buckshot, you have to try the next generation technology. Yes, this Vital-Shok® product will change buckshot hunting forever.



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 SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT SIZES
FEDERAL PREMIUM® VITAL-SHOK® BUCKSHOT					
P108	10	3½	89	1100	18 Pellets - 00 Buck
P135	12	3½	89	1100	18 Pellets - 00 Buck
P158	12	3	76	1210	15 Pellets - 00 Buck
P158	12	3	76	1210	41 Pellets - 4 Buck
P158	12	3	76	1225	10 Pellets - 000 Buck
P154	12	2¾	70	1325	9 Pellets - 00 Buck
P156	12	2¾	70	1250	34 Pellets - 4 Buck
P156	12	2¾	70	1290	12 Pellets - 00 Buck
P258	20	3	76	1175	18 Pellets - 2 Buck
P256	20	2¾	70	1175	20 Pellets - 3 Buck
FEDERAL PREMIUM® VITAL-SHOK® BUCKSHOT WITH FLITECONTROL WAD					
PFC157	12	3	76	1325	12 Pellets - 00 Buck
PFC154	12	2¾	70	1325	9 Pellets - 00 Buck
PFC154*	12	2¾	70	1145	9 Pellets - 00LR Buck

*LR = Low Recoil

BUCKSHOT SIZES

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



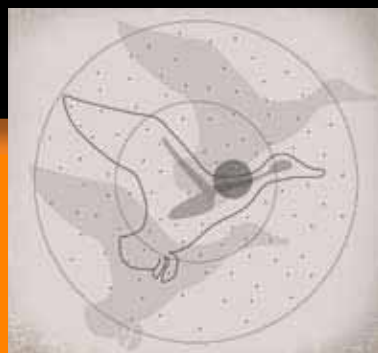
FLITESTOPPER STEEL PELLET

WATERFOWL HUNTING GOES CUTTING EDGE.

BLACKCLOUDTM

FS STEEL

DROP DUCKS LIKE RAINTM



Uniform Black Cloud system puts lethal pellets on birds even outside pattern center (30" target, 40-yards, 12-ga, 3", 1-1/4-oz, #2)

THE STORM HAS ARRIVED

New Black CloudTM FS Steel from Federal Premium[®] brings a whole new dimension to waterfowl hunting and leaves traditional steel loads in the dust. The ominous FLITESTOPPERTM steel pellet is staged with standard steel shot for

the ultimate pattern and energy transfer on target. The proven FLITECONTROL[®] wad extends the range of typical steel shot, retaining downrange velocity and putting the maximum amount of shot on passing ducks and geese.

AMAZING NEW SHOT CONSTRUCTION FEATURES A CUTTING EDGE THAT DEVASTATES WATERFOWL ON IMPACT. FS STEEL CREATES A MASSIVE WOUND CAVITY VISIBLE IN BALLISTIC GELATIN. GET CUTTING POWER WITH NO LOSS OF PENETRATION.



STANDARD STEEL SHOT



BLACK CLOUD WITH FLITESTOPPER STEEL SHOT



A UNIQUE WAD THAT TURNS TRADITIONAL WAD DESIGN 180-DEGREES FOR ENHANCED PERFORMANCE IN FLIGHT

FS Steel (40%)

Standard Steel (60%)

BLACK CLOUD FS STEEL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
BLACK CLOUD							
New PWB134	12	3½	89	1500	1½	42.52	BBB, BB, 2
New PWB142	12	3	76	1450	1¼	35.44	BBB, BB, 2





Keep pushing back.



It's happening now. Everywhere ducks breed, rest or feed. Acres of wetlands are being decimated in favor of housing developments. Last year, Ducks Unlimited® asked us all to push back: Grasslands for Tomorrow is the most ambitious conservation initiative ever undertaken by DU. With 200 million acres spanning the borders of the United States and Canada, the Prairie Pothole Region forms the core of what was formerly the largest expanse of grassland in the world.

Grassland easements are being purchased now and offer the most cost-effective way to secure the last remaining Prairie Pothole Region habitat in North America. Faced with this changing landscape, we must preserve our natural resources. Federal Premium® will donate a portion of the sale from every box of Ultra-Shok® High Density® and steel waterfowl loads to this cause. Join us today: 800-45-DUCKS or www.ducks.org.

A STEEL LOAD LEGACY

Rising dark and early has never been more exciting. The feeling you get working your way to the blind, flashlight in hand, is unmatched in the real world. This is your escape—your time to get dive-bombed by winged foe and to challenge them in mid-flight with a shot from your favorite gun. We understand this emotion, it's why we've improved our steel shot



vastly since it was introduced over 30 years ago. When it comes to steel shot, speed kills. That's why our High Velocity loads move out of the muzzle at 1550 feet per second and we offer the fastest heavy loads on the market—Ultra-Shok® Heavy High Velocity raises the conventional steel bar. Take them along and take your birds out of the sky.

CHOKE GUIDE

WATERFOWL SIZE	GAUGE	DISTANCE (YDS)	CHOKE	STEEL SHOT SIZES	HIGH DENSITY SHOT SIZES	HEAVYWEIGHT SHOTSIZES
LARGE DUCKS (Mallard, Pintail, Black)	10, 12, 16, 20	20-30	IC/M	1, 2, 3, 4	2+, 4+	4, 6
	10, 12, 16, 20	30+	IC/M/F	BB, 1, 2, 3	2+, 4+	4, 6
MEDIUM DUCKS (Wood Duck, Scaup, Widgeon)	12, 16, 20	20-30	IC/M	2, 3, 4, 6	N/A	6
	12, 16, 20	30+	IC/M/F	1, 2, 3, 4	N/A	6
SMALL DUCK (Teal, Bufflehead)	12, 16, 20	20-30	IC/M/F	3, 4, 6	N/A	6
	12, 16, 20	30+	IC/M/F	3, 4	N/A	6
LARGE GEESE (Giant, Western Canada)	10, 12	20-30	IC/M	T, BBB, BB	BB+, 2+	2
	10, 12	30+	IC/M	T, BBB, BB	BB+, 2+	2
MEDIUM GEESE (Snow, Lesser Canada)	10, 12	20-30	IC/M	BBB, BB, 1	BB+, 2+	2, 4
	10, 12	30+	IC/M	BBB, BB, 1	BB+, 2+	2

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

Premium® Ultra-Shok® Waterfowl



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM® ULTRA-SHOK® HEAVY HIGH VELOCITY							
PW107	10	3½	89	1450	1½	42.53	T, BBB, BB, 1, 2
PW134	12	3½	89	1500	1½	42.53	T, BBB, BB, 1, 2, 3, 4
PW142	12	3	76	1450	1¼	35.44	BBB, BB, 1, 2, 3, 4
PW145	12	2¾	70	1375	1¼	35.44	BBB, BB, 2, 3, 4
FEDERAL PREMIUM® ULTRA-SHOK® HIGH VELOCITY							
PW133	12	3½	89	1550	1½	38.98	T, BBB, BB, 2, 4
PW143	12	3	76	1550	1½	31.90	T, BBB, BB, 2, 3, 4
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

AVERAGE PELLET COUNT — STEEL SHOT

Shot Size	3/4 (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

Weight of Shot in Ounces (Grams)

SHOT SIZE REFERENCE CHART

PELLET	T	BBB	BB	1	2	3	4	5	6	7	7 1/2	8	8 1/2	9
DIAMETER INCHES	.20	.19	.18	.16	.15	.14	.13	.12	.11	.10	.095	.09	.085	.08
DIAMETER 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





SHOTSHELL

Premium® Ultra-Shok® Waterfowl

Density Defined.

We're all playing the density game—trying to outdo the other with a higher number. So what exactly are we measuring when defining shot density? The official measurement is grams per cubic centimeter or g/cc for short. Simply put, it measures how dense the metal is based on its size and sectional density. So, it is true that higher is better in the density game. So here's a guide for how to compare—that happens to bode well for Federal Premium®.

Shot type densities

- **Steel:** 8 g/cc
- **Tungsten-Iron (High Density®):** 10 g/cc
- **Tungsten-based HEAVYWEIGHT:** 15 g/cc

NON-TOXIC DOMINANCE

When steel shot just won't cut it for you, look to Federal Premium® to extend your shooting capability and hit harder than ever before. We're proud to offer Ultra-Shok® High Density®—the perfect combination of density, hardness and velocity. With velocities almost equivalent to steel, energy is high and leads are similar—making



this product the most devastating waterfowl shot on the market. Of course, if you want even more density and higher pellet counts, look to our new Ultra-Shok HEAVYWEIGHT™ loads. This product offers the highest density shot available anywhere—15 g/cc that makes it more than twice the density of steel. You get the energy of a steel #3 in HEAVYWEIGHT #6 with 55 more pellets—enough said.



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



Advantage® Max-4 HD™

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	PELLET DENSITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM® ULTRA-SHOK® HIGH DENSITY								
PHD106	10	3½	89	1450	10	1⅝	46.07	BB+, 2+
PHD195	12	3½	89	1450	10	1⅝	46.07	BB+, 2+, 4+
PHD197	12	3	76	1450	10	1⅝	38.98	BB+, 2+, 4+
PHD297	20	3	76	1350	10	1	28.35	2+, 4+
FEDERAL PREMIUM® ULTRA-SHOK® HIGH DENSITY SUB-SONIC								
MHD181	12	2¾	70	850	10	1⅝	38.98	BB+
FEDERAL PREMIUM® ULTRA-SHOK® HEAVYWEIGHT™								
PHW133	12	3½	89	1450	15	1⅝	38.98	2, 4, 6
PHW142	12	3	76	1450	15	1¼	35.44	2, 4, 6

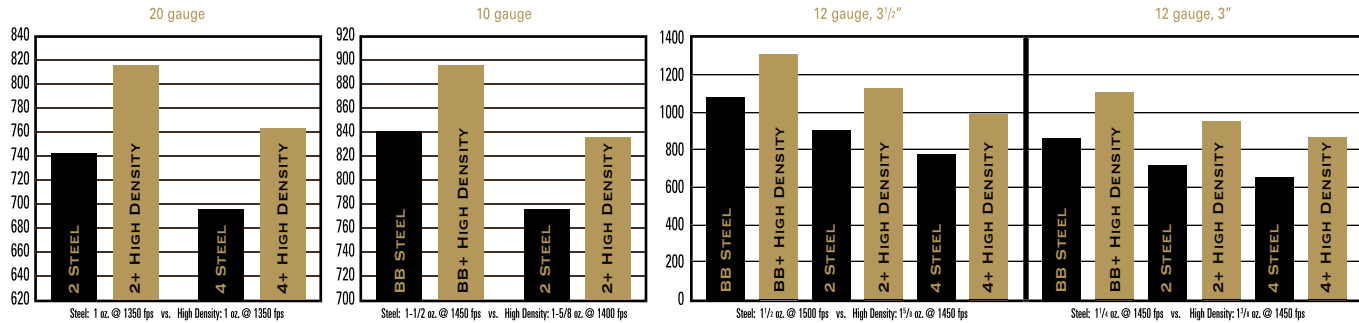
HIGH DENSITY PLUS SHOT AVERAGE PELLET COUNT COMPARISON

		Shot Size								
Weight	1 oz.	BB	BB+	% MORE	2	2+	% MORE	4	4+	% MORE
	1-3/8 oz.	78	85	N/A	97	108	10%	150	169	11%
	1-5/8 oz.	92	100	9%	435	149	10%	207	233	11%
				8%	159	176	10%	243	275	11%

High Density Precision Tuned "Plus" shot sizes ensure up to 11% more pellets than conventional loads.



PAYLOAD ENERGY (FT-LBS) @ 40 YARDS





Premium® Mag-Shok® Turkey



Hear the call, join the cause.

Since 1973 the NAWTF has worked alongside state agencies and its corporate partners to increase the turkey population in North America from 1.3 million to more than 7 million birds. Now more than 540,000 members strong, the NAWTF is continuing to help turkey populations expand, is improving habitat for all wildlife and providing opportunity to countless new outdoor enthusiasts. Every box of Federal Premium® NAWTF Mag-Shok® turkey loads that you buy puts money into this important organization. www.nawtf.org

Did you know?

There are six subspecies of turkey in the world:

- Eastern: 5 million
- Osceola (Florida): 100,000
- Rio Grande: More than 1 million
- Merriam's: 350,000
- Gould's: 800
- Ocellated

EXPERIENCE THE TIGHTEST PATTERNS IMAGINABLE

Chasing gobblers is not for the weak-kneed or the unprepared. At the moment of truth, success or failure depends on your shooting skills, and your shot pattern. In turkey hunting, tighter is better; that's why we've added the astonishing FLITECONTROL® wad to our Mag-Shok® turkey loads. FLITECONTROL opens at the rear—completely opposite from conventional wad design—and



creates an air-brake that pulls the wad off the shot string. This means pellets are released at precisely the right moment for maximum pellets on target. Mag-Shok comes in two shot types—copper-plated lead and the densest shot in the industry, HEAVYWEIGHT™, available even in a bone-crushing swarm of #7 shot that equals the energy of a #5 lead pellet at 40-yards. Don't let that tom take one step.

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE OUNCES	WEIGHT GRAMS	SHOT SIZES
FEDERAL PREMIUM® MAG-SHOK® LEAD WITH FLITECONTROL® WAD								
PFC135	12	3½	89	1150	Max.	2¼	63.78	4, 5, 6
PFC159	12	3	76	1150	4	2	56.70	4, 5, 6
FEDERAL PREMIUM® MAG-SHOK® LEAD WITH FLITECONTROL® WAD HIGH VELOCITY								
PFC139	12	3½	89	1300	Mag.	2	56.7	4, 5, 6
PFC157	12	3	76	1300	Mag.	1¾	49.61	4, 5, 6
PFC156	12	2¾	70	1315	4	1½	42.52	4, 5, 6
FEDERAL PREMIUM® MAG-SHOK® HIGH VELOCITY LEAD								
GST101	10	3½	89	1300	Mag.	2	56.71	4, 5, 6
GST258	20	3	76	1185	3	1½/16	37.20	4, 5, 6
FEDERAL PREMIUM® MAG-SHOK® HEAVYWEIGHT WITH FLITECONTROL® WAD								
PHT191	12	3½	89	1300	-	1⅞	53.16	5, 6, 7
PHT193	12	3	76	1300	-	1⅞	46.07	5, 6, 7



Realtree Hardwoods® HD™

INNOVATIVE TECHNOLOGY DELIVERS UP TO 30% TIGHTER PATTERN.



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
1⅞ oz., #6 lead shot,
1300 fps, 40 yards
13 critical hits, 138 total hits



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.
(photo taken 19 feet from muzzle)



FLITECONTROL® Load
1¼ oz., #6 lead shot,
1300 fps, 40 yards
22 critical hits, 156 total hits



HEAVYWEIGHT® Load
1⅞ oz., #7 heavyweight shot,
1300 fps, 40 yards
29 critical hits, 203 total hits
Target shot with 12 ga. Rem.
1187 super full choke

HEAVYWEIGHT® DOWNRANGE PELLET 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

*#7 HEAVYWEIGHT equals the energy of #5 lead at 40 yards; HEAVYWEIGHT is not recommended for ported or wad stopper type chokes. Use only in barrels approved for steel shot.

HEAVYWEIGHT® AVERAGE PELLET 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)



www.federalpremium.com



Premium® Wing-Shok® Upland

STEEPED IN TRADITION, LOADED WITH TECHNOLOGY

*Keep bird hunting alive,
Forever.*

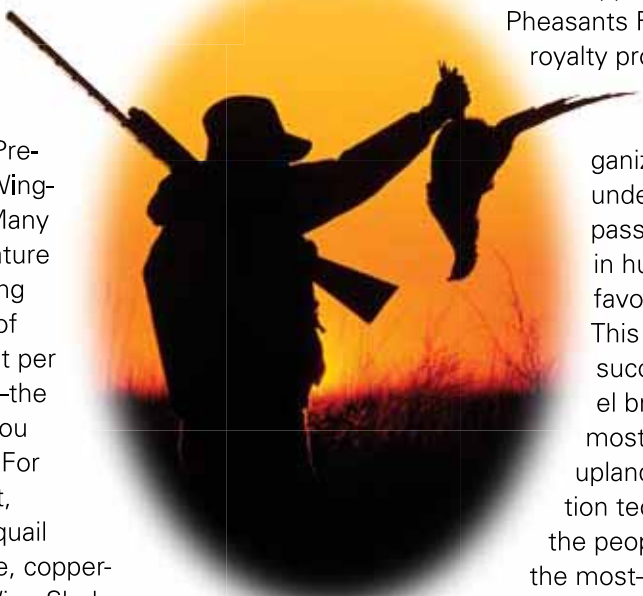


Bobwhite population losses over the past 25 years range from 60 to 90 percent across the country. The reason for the quail population plunge is simple—massive loss of habitat suitable for quail. The loss has been due to intensified farming and forestry practices, succession of grassland ecosystems to forests, overwhelming presence of exotic grasses like fescue that choke out wildlife, and urban sprawl. Quail Forever was formed in August of 2005 to address these quail habitat losses and the subsequent quail population decline. In the organization's first year of existence, 71 chapters have formed in 23 different states. Join us today www.quailforever.org.

You can feel the tradition in every breeze, every cackle and every retrieve. Shooting has become as instinctive as your dog pointing birds. Your shot-shell of choice is Federal Premium® Wing-Shok®. Many loads feature a blistering velocity of 1500 feet per second—the fastest you can buy. For pheasant, grouse, quail and more, copper-plated Wing-Shok ensures every upland bird hunt is nothing short of the ultimate experience. Choose PF or QF logo boxes and you're helping

to support important grassroots habitat initiatives.

In fact, just last year we produced the 10-millionth round of Wing-Shok in support of the Pheasants Forever royalty program. PF is a grassroots organization that understands the passion involved in hunting our favorite birds. This unique and successful model brings the most effective upland conservation techniques to the people who care the most—and keeps them there. Local efforts show local results. And local habitat means an increase in birds across the country and tradition further solidified.



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE OUNCES	WEIGHT GRAMS	SHOT SIZES
FEDERAL PREMIUM® WING-SHOK® 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	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
FEDERAL PREMIUM® WING-SHOK® HIGH VELOCITY								
P129	12	3	76	1350	Max.	1⅞	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
FEDERAL PREMIUM® WING-SHOK® HI-BRASS								
P283	28	2¾	70	1295	2¼	¾	21.26	6, 7.5, 8
FEDERAL PREMIUM® WING-SHOK® FLYER LOADS								
P153*	12	2¾	70	1330	3¾	1¼	35.44	7.5
FEDERAL PREMIUM® WING-SHOK® PHEASANTS FOREVER HV								
PF154	12	2¾	70	1500	Max.	1¼	35.44	4, 5, 6, 7.5
PF204	20	2¾	70	1350	Max.	1	28.35	4, 5, 6, 7.5
FEDERAL PREMIUM® WING-SHOK® QUAIL FOREVER								
PQF152	12	2¾	70	1200	3	1⅞	31.90	7.5, 8
PQF251	20	2¾	70	1165	2½	1	28.35	8



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.

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





Premium® Gold Medal® Target

Tom Knapp shoots Federal Premium.

With extraordinary skill and a shooting style that emulates the legendary Herb Parsons, Tom Knapp has been captivating public audiences since 1987. Knapp, who recently signed exclusive contracts with Federal Premium® and Champion® Traps & Targets, is the current holder of two world records, and recently bested his own record set in 1993. Knapp launched 10 Champion Clay Targets into the air without assistance and smoked each one with an individual shot from his Benelli®. This feat broke his own world record of 9, and further demonstrated Knapp's mastery of exhibition shooting. A video of this performance can be found online at www.federalpremium.com. Find him at www.tomknapp.net.

THE BEST WON'T SETTLE FOR LESS

Serious target shooters everywhere know how important it is to shoot the best available ammunition. There's an intensity that comes with shotgun competition that is unlike any other match. Anyone who's been to The Grand American knows—it's not about who makes the fewest mistakes, it's about who makes NO mistakes. Every pull of the trigger can make or break a competition. That's why shooters choose Federal Premium® Gold Medal® when the top prize is on the line. Consistent and uniform patterns, along with extra-hard shot and the hot 209A primer,

have made this product a must-have on the target shooting circuit. Available in handicap, extra-lite, and our famous paper hull cartridge, you're sure to find your winning combination. And if Sporting Clays is your game, you're joining a legion of shooters that is as passionate as you can get about shooting. Sporting Clays is the ultimate preparation tool for hunting and a great sport in and of itself. Check out our latest additions—several hot FITASC-qualified loads including a 12-gauge, 1-ounce load at 1290 feet per second.



Tom Knapp



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM® GOLD MEDAL® 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	¾	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
FEDERAL PREMIUM® GOLD MEDAL® HANDICAP PLASTIC HV								
T178	12	2¾	70	1235	HDGP	1½	31.90	7.5, 8
FEDERAL PREMIUM® GOLD MEDAL® INTERNATIONAL PLASTIC								
N110	12	2¾	70	1325	¾	¾	24.01	7.5, 8.5
FEDERAL PREMIUM® GOLD MEDAL® EXTRA-LITE PLASTIC - LOW RECOIL								
T114	12	2¾	70	1100	2½	1½	31.90	7.5, 8
FEDERAL PREMIUM® GOLD MEDAL® 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
FEDERAL PREMIUM® GOLD MEDAL® HANDICAP PAPER HV								
T171	12	2¾	70	1235	HDGP	1½	31.90	7.5, 8
FEDERAL PREMIUM® GOLD MEDAL® INTERNATIONAL PAPER								
N119	12	2¾	70	1325	¾	¾	24.01	7.5
FEDERAL PREMIUM® GOLD MEDAL® EXTRA-LITE PAPER - LOW RECOIL								
T172	12	2¾	70	1100	2½	1½	31.90	7.5, 8
FEDERAL PREMIUM® GOLD MEDAL® SPORTING CLAYS PLASTIC								
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
SC178	12	2¾	70	1290	¾	1	28.35	7.5, 8, 8.5
SC179	12	2¾	70	1300	¾	1½	31.89	7.5, 8

New



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.

FEDERAL® SLUG BALLISTICS

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.	
FEDERAL® POWER-SHOK® SABOT SLUGS (FULLY RIFLED SLUG BARREL OR RIFLED CHOKE TUBE)																									
2	F127 SS	12	2¾	70	Sabot Hollow Point	1	438	1450	1350	1260	1190	1120	1070	2040	1775	1545	1365	1220	1105	1.6	2.5	2.0	◆	-3.7	30
FEDERAL® POWER-SHOK® RIFLED SLUGS (SMOOTHBORE BARREL)																									
2	F103 RS	10	3½	89	Hollow Point	1¼	766	1280	1170	1090	1020	970	930	2785	2325	2000	1770	1600	1465	0.5	◆	-2.4	-6.8	-13.6	32
2	F131 RS	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	-9.1	30
2	F127 RS	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	-8.9	30
2	F130 RS	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	-10.0	30
2	F164 RS	16	2¾	70	Hollow Point	⅝	350	1600	1380	1210	1080	1000	930	1990	1490	1135	910	770	675	0.3	◆	-1.8	-5.4	-11.2	28
2	F203 RS	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	-10.0	26
2	F412 RS	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	-9.3	26

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 down-range patterns and better stopping power with Power-Shok® Buckshot.

BUCKSHOT SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	INCHES	MM	MUZZLE VELOCITY	SHOT SIZES
FEDERAL® POWER-SHOK® BUCKSHOT					
F131	12	3	76	1210	15 Pellets - 00 Buck
F131	12	3	76	1210	41 Pellets - 4 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
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
FEDERAL® POWER-SHOK® BUCKSHOT - LOW RECOIL					
H132	12	2¾	70	1140	9 Pellets - 00 Buck

GAME-SHOK®
UPLAND

Choose Game-Shok to keep you effective in the field and heavy in the pocket book. Magnum and Hi-Brass loads provide superior performance on your favorite small game. Also available from Federal are field trial loads for training purposes.



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® GAME-SHOK® UPLAND GAME - HI-BRASS LOADS								
H126	12	2¾	70	1330	3¼	1¼	35.44	4, 5, 6, 7, 5
H163	16	2¾	70	1295	3¼	1⅞	31.90	4, 6, 7, 5
H204	20	2¾	70	1220	2¾	1	28.35	4, 5, 6, 7, 5
H413	410	3	76	1135	0	⅝	19.51	4, 5, 6, 7, 5
H412	410	2½	64	1200	0	½	14.18	6, 7, 5
FEDERAL® GAME-SHOK® UPLAND GAME - HEAVY FIELD LOADS								
H123	12	2¾	70	1255	3¼	1½	31.90	4, 6, 7, 5, 8
H125	12	2¾	70	1220	3¼	1¼	35.44	4, 5, 6, 7, 5, 8
H202	20	2¾	70	1165	2½	1	28.35	6, 7, 5, 8
FEDERAL® GAME-SHOK® UPLAND GAME - GAME LOADS								
H121	12	2¾	70	1290	3¼	1	28.35	6, 7, 5, 8
H160	16	2¾	70	1165	2½	1	28.35	6, 7, 5, 8
H200	20	2¾	70	1210	2½	⅞	23.39	6, 7, 5, 8
FEDERAL® GAME-SHOK® - FIELD TRIAL TRAINING LOADS								
FP12	12	2¾	70	-	-	-	-	N/A

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.

TOP GUN® TARGET

For the volume shooter who needs consistent performance at a reasonable price, there's our Top Gun target load. Long a staple of the target shooting community, you're sure to break clay after clay with its superior performance and reliability.



STRUT-SHOK® TURKEY

Turkey hunting is a pursuit of passion. Make sure you have the right load for the job. Strut-Shok is designed for the hunter who needs a hard-hitting load that's lighter on the pocketbook.



SPEED-SHOK® WATERFOWL

This load is built for performance with uniformly round pellets for tighter patterns. It also features high quality components and dense plastic wads with gas-sealing for maximum performance and efficiency. High output primers ensure dependability even in cold and wet conditions.



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® TOP GUN® TARGET LOADS								
TG121	12	2¾	70	1180	2¾	1	28.34	7, 5, 8
TG122	12	2¾	70	1250	3	1	28.35	7, 5
TG12	12	2¾	70	1200	3	1⅞	31.90	7, 5, 8
TGL12	12	2¾	70	1145	2¾	1⅞	31.90	7, 5, 8, 9
TG20	20	2¾	70	1210	2½	⅞	23.39	8, 9
FEDERAL® TOP GUN® TARGET - STEEL LOADS								
TG251	20	2¾	70	1210	-	⅞	21.26	7
TG147	12	2¾	70	1145	-	1⅞	31.90	7
FEDERAL® TOP GUN® TARGET - SUBSONIC LOADS								
TGM123	12	2¾	70	900	1⅞	1⅞	31.89	7, 5

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® STRUT-SHOK™ - TURKEY LOADS								
FT139	12	3½	89	1300	Mag.	2	56.70	4, 5, 6
FT158	12	3	76	1210	4	1⅞	53.16	4, 5, 6

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® SPEED-SHOK® WATERFOWL - STEEL LOADS								
WF133	12	3½	89	1550	-	1⅞	38.98	BB, 2, 3
WF143	12	3	76	1550	-	1⅞	31.90	BB, 2, 3, 4
WF140	12	3	76	1400	-	1¼	35.44	BB, 2, 3, 4
WF146	12	2¾	70	1375	-	1	28.35	6, 7
WF147	12	2¾	70	1375	-	1⅞	31.90	BB, 2, 3, 4, 6
WF207	20	3	76	1300	-	⅞	24.81	2, 4
WF208	20	2¾	70	1425	-	¾	21.26	7





Premium® V-Shok® & Gold Medal®

Ultra-Match Flashback.

Did you know—Federal® Gold Medal® UltraMatch loads once won two American shooters a gold and silver medal in the Olympics? Launi Meili and Bob Foth won gold and silver respectively in the 1992 Olympic games held in Barcelona, Spain. In doing so, they set two Olympic records and won the first set of medals for an American-made round since the Rome games in 1960.

We may no longer make this load, but the spirit of the moment still lives in every person here at the plant and every round of high-quality Gold Medal rimfire ammunition we produce. Relive the moment, enjoy the present with our improved Gold Medal load at 1200 feet per second. You may be having Olympic flashbacks yourself.

BUILDING A NEW TRADITION OF RIMFIRE EXCELLENCE

Rimfire shooters range from competitive x-ring thumpers to varmint pursuers. No matter what your pursuit, our Premium® offerings have you covered. Our 17 HMR and 22 Win Mag loads provide explosive disruption with the likes of the V-Max tipped bullet and Speer® TNT® JHP. If you spend your spring days



lying prone on the prairie, you'll want to give them a try. If you prefer a range setting, check out our latest rimfire offering—it may not put you in the medal race at the Olympics, but at an optimum velocity of 1200 feet per second, you're sure to take home some hardware in autoloading competitions.



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 (10 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.					
			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.
FEDERAL PREMIUM® V-SHOK®																						
1	P770	17 HMR	17	1.10	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
1	P771	17 HMR	17	1.10	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
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
FEDERAL PREMIUM® GOLD MEDAL®																						
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
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

Abbreviation Key: HP = Hollow Point, JHP = Jacketed Hollow Point 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.



FEDERAL® & 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 (10 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.					
			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.
FEDERAL® CHAMPION™ TARGET																						
5	745	22 Long Rifle	36	2.33	Copper Plated HP	1260	1100	1000	930	125	95	80	70	1.5	5.7	12.2	0	-5.6	-19.7	2.8	0	-11.4
5	AM22	22 Long Rifle	40	2.59	Solid	1200	1080	990	930	130	105	85	75	1.3	4.9	10.6	0	-6.0	-20.8	3.0	0	-11.8
5	510	22 Long Rifle	40	2.59	Solid	1240	1100	1010	940	135	110	90	80	1.4	5.1	10.9	0	-5.6	-19.7	2.8	0	-11.2
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	0	-2.1	-9.2	1.0	0	-6.1
FEDERAL® GAME-SHOK®																						
1	716	22 Long Rifle	25	1.62	No. 12 Lead Shot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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	0	-4.6	-16.9	2.3	0	-10.1
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	0	-5.5	-19.5	2.8	0	-11.2
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	0	-5.6	-19.7	2.8	0	-11.2
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	0	-5.6	-19.7	2.8	0	-11.2
1	757	22 Win. Magnum	50	3.24	JHP	1530	1350	1200	1090	260	200	160	130	1.2	4.7	10.7	0	-3.3	-12.7	1.6	0	-7.7
AMERICAN EAGLE® RIMFIRE																						
5	AE22	22 Long Rifle	38	2.46	Copper Plated HP	1260	1110	1010	940	135	105	85	75	1.5	5.5	11.7	0	-5.5	-19.5	2.8	0	-11.2
5	AE5022	22 Long Rifle	40	2.59	Solid	1240	1100	1010	940	135	110	90	80	1.4	5.1	10.9	0	-5.6	-19.7	2.8	0	-11.2

Abbreviation Key: HP = Hollow Point, JHP = Jacketed Hollow Point
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, gun, sights and ammunition.



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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.

PRIMER SPECIFICATIONS

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



WAD SPECIFICATIONS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
FEDERAL® CHAMPION WADS			
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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For each category of ammunition, there is a specific name that denotes it from the rest—as well as an icon and game guide that clearly show for which game each ammunition is best suited. For the upland bird hunter, there’s the devastating performance of Wing-Shok®. Turkey hunters will seek out Mag-Shok®. Waterfowl hunters will take Ultra-Shok® with them to the blind for speed and consistency. Deer hunters will find Vital-Shok® to be the most complete line of premium ammunition with the best bullets available. Varmint hunters will choose V-Shok® for the outstanding terminal performance and explosive disruption its bullet choices provide. And for safari or dangerous game hunters, Cape-Shok® is the only choice.

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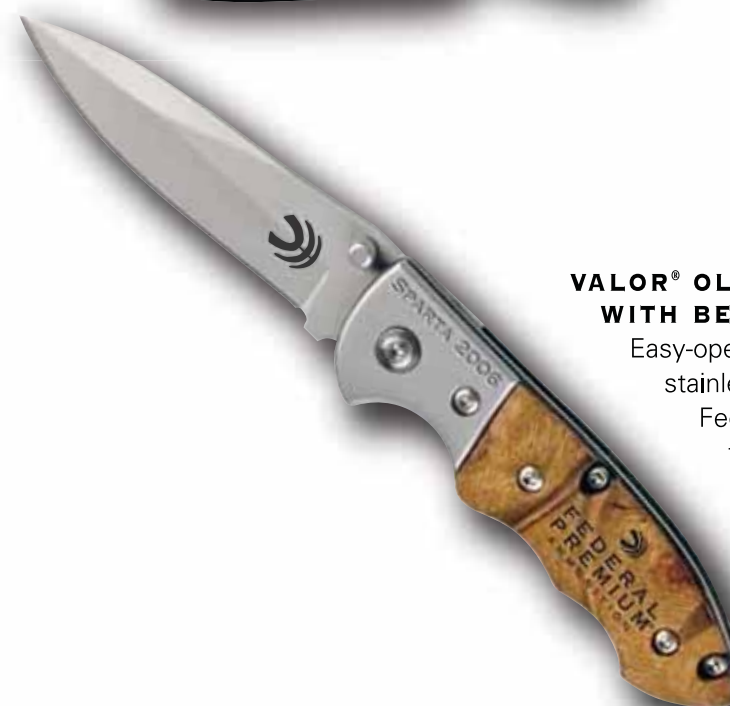
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