

2009 AMMUNITION CATALOG



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PREMIUM[®]**
AMMUNITION



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Showing the Way. Real leaders are hard to come by. They understand the risks of being in the lead, and yet relish the challenge. They create new paths and new visions that both inspire and motivate. They also repeatedly deliver on their commitments and perform at a level above their peers.

Federal Premium® remains dedicated to leading. We are focused not only on the ammunition marketplace, but the entire outdoor industry. Far beyond marketing campaigns and new product introductions, Federal Premium strives to innovate. This means not just coming up with product line extensions, and “me too” products, but creating products that give our customers a true advantage.

We’re constantly looking for new materials, advanced manufacturing processes, innovative performance solutions, and capabilities that differentiate us from everyone else. Our recent introductions of TNT® Green™, Trophy Tip, Black Cloud®, Fusion® and the FLITECONTROL® wad are just a few of the new solutions we have brought to the shooting sports marketplace. These are products that enhance performance, leverage new technologies and meet the ever changing needs of today’s shooters. They are also just a hint at what we have in-store for the future.



As always, we’ll continue to be generous in our support of the shooting sports and wildlife conservation. There’s never been a better time to focus on conserving our natural resources, preserving our heritage and protecting our rights

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

Mark W. DeYoung
President,
Federal Premium Ammunition



EVERY SHOT COUNTS®



PREMIUM[®] TV



GRATEFUL NATION™

Freedom is coveted most by those who know its price. Join actor and former Army Ranger Tim Abell as he introduces viewers to some of America's finest—soldiers who have been wounded in combat but whose love of hunting has helped them overcome the physical and emotional scars of war. Along the way, you will come to know the sacrifice of these soldiers as they share their experiences in distant lands while at the same time returning to a favorite hunting setting—the kind of place that sustained them from foxholes to hospital wards. These are American stories that you will never forget—especially when you witness the outpouring of support from a truly grateful nation.

ESPN2

Go to federalpremium.com for air times and show descriptions.



DANGEROUS GAME™

Federal Premium[®] is proud to sponsor this VERSUS series featuring the most exciting dangerous game footage available. Dangerous Game highlights the drama and personalities of the hunters who dedicate their lives to the pursuit of some of the most fearsome animals on the planet. Not only does the series focus on heart-pounding hunts, but it also showcases the key role hunters play in conserving the species and the environments where the animals live.

VERSUS  **COUNTRY**

DIFFERENTIATING WITH INNOVATION

At Federal Premium®, we bring you new products that outperform the rest. Our innovations aren't small changes to existing products, or gimmicks we can put our name on. They're loads and calibers that give you a clear advantage. That's because outside of the workplace, we're hunters and shooters just like you. Staying on the leading edge of ammunition technology takes the skill and knowledge to create products that perform at the highest level—and above all make sense. Our 2009 lineup does just that.

Trophy Bonded® Tip. Last year we introduced this new bullet that combined several technologies to emerge as the clear-cut winner for big game hunters. Improved ballistic coefficients led to better accuracy, exterior skiving meant perfect expansion every time and a proven platform still gave you great weight retention. This year, we expand this line to fill in the loads you need. **See page 10 for details.**



V-Shok® Coyote Shotshell. For the first time, we introduce a 12 gauge shotgun load made especially for coyotes. This offering combines the ultra-dense HEAVYWEIGHT® shot and FLITECONTROL® wad for unbelievable performance. Effective shotgunning range for varmints just got longer. This year, put it to the ultimate test in the field. **See page 36 for details.**

Personal Defense® .410 Handgun Shotshells. The Judge from Taurus® has become a very popular handgun for personal defense. Because most personal protection scenarios usually play out in close proximity, a shotshell load makes perfect sense. New this year, we introduce two offerings designed for this specialized platform. Our .410 000 buck and #4 lead shot options give you great patterns and excellent penetration. **See page 27 for details.**

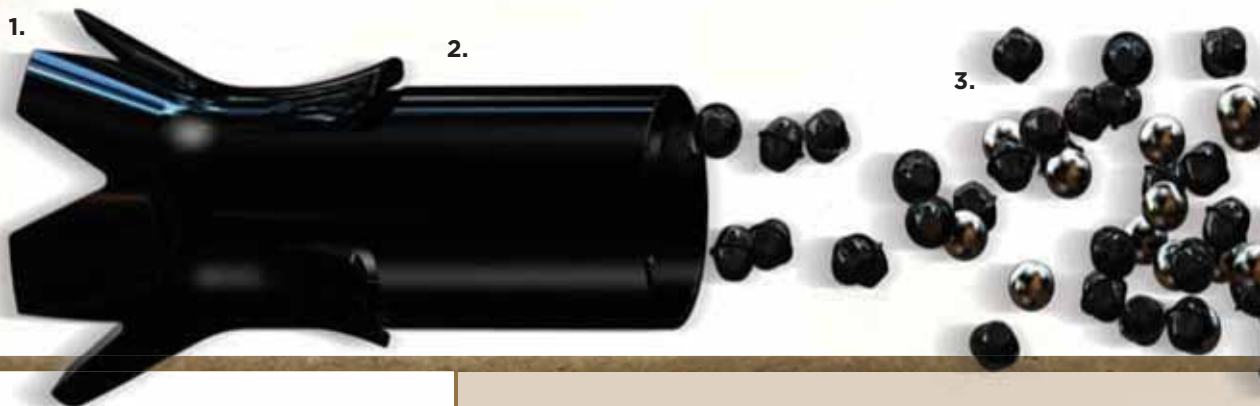


We've also honed in on some key needs of shooters with affordable **American Eagle®** target loads for M1A and M1 Garand shooters (**page 16**). The return of **UltraMatch®** 22 LR load (**page 52**) and several line extensions, including a new **Barnes® Tipped Triple-Shock® X-Bullet™** offering (**page 11**), are just a few of the new products we offer in 2009.



THE DIFFERENCE MAKER

One thing is for certain; industry-changing innovations like the FLITECONTROL® wad don't come along everyday. The impact this has had on shotshell technology as a whole is unprecedented. Before its introduction, hunters had never seen such devastatingly consistent patterns. The performance alone spoke for itself. And the best part is you don't need some crazy choke, or far-fetched product to get great results. All you need is standard factory chokes and your favorite scattergun. The FLITECONTROL wad revolutionized everything from buckshot to waterfowl loads. This year, 10 and 20 gauge turkey, duck and goose hunters get in the mix. With several new loads available in both the Black Cloud® and Mag-Shok™ lines, Toms and teal alike should take note. Coyotes aren't safe either, as this technology has been incorporated to create an all-new shotgun load for varmints that gives unprecedented performance in the field.



WATERFOWL BLACK CLOUD® FS STEEL™

The FLITECONTROL® Wad was first optimized for waterfowl loads in 2007. It brings Black Cloud® performance to levels never before possible from steel loads. This year, 10 and 20 gauge waterfowlers can get in on this exciting product. **See page 38 for details.**



Black Cloud with FLITESTOPPER steel shot



TURKEY MAG-SHOK®

These loads were among the first to feature the FLITECONTROL® wad. This delivery system brings a whole new meaning to devastating turkey loads. Lead and HEAVYWEIGHT® options in 10, 12 and 20 gauge are now available.

See page 44 for details.



PHT193F 7 with modified choke at 40 yards. Target shot with Rem. 870.

THE BREAKDOWN

- 1. Petals:** Open in the rear to create an air brake. This separates the wad and shot at the perfect time and leads to consistent, dense patterns.
- 2. Windows:** Open on side of wad to allow air in and help stimulate the payload for separation from the wad.
- 3. Payload:** FLITECONTROL wad is combined with several unique shot types to get better performance on target.



DEER VITAL-SHOK®

The introduction of the FLITECONTROL® wad to buckshot loads brings tight patterns never seen before. These loads put the most pellets on target every time. No exceptions.

See page 37 for details.



PFC157 00 with full choke
12/12 Hits at 30 Yards.
12" target shot with Rem. 870.

NEW FOR 2009—MORE GAUGES



10 Gauge

12 Gauge

20 Gauge



COYOTE V-SHOK®

The latest in a long line of quarry to be targeted by the FLITECONTROL® is the coyote. The rear-braking wad and HEAVYWEIGHT® shot combine for unbelievably dense patterns, extending the effective shotgunning range for varmints dramatically.

See page 36 for details.



PHC120 BB with full choke at 40 Yards.
Target shot with Rem. 1100.



PREMIUM BULLET SELECTOR GUIDE



Trophy Bonded® Tip

Built on the heralded Trophy Bonded® Bear Claw® platform for excellent weight retention and penetration. Tipped for improved ballistic coefficient and better accuracy.



Barnes® Tipped Triple-Shock® X-Bullet™

Features Delrin tip for flatter trajectories and deeper penetration. Designed for hyper-velocities and to reduce pressure and barrel fouling. All-copper construction means high weight retention with great accuracy.



Trophy Bonded® Bear Claw®

For over 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.



Barnes® MRX-Bullet™

Combines an all-copper bullet from its predecessor, the Triple-Shock® X-Bullet™, with a tungsten-based Silvēx® core and a poly-tip to provide devastating performance at both short and extended distances.



Trophy Bonded® Sledgehammer® Solid

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.



Barnes® Triple-Shock® X-Bullet™

Extremely accurate, and 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 Triple-Shock® X-Bullet™.



Nosler® AccuBond®

Combines the terminal performance of a bonded bullet with the accuracy and retained energy of a Ballistic Tip®.



Barnes® Banded Solid

These bullets stop dangerous game in their tracks. The copper/zinc alloy construction prevents these tough bullets from disintegrating or deflecting on heavy bone.



Nosler® Partition®

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®

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 makes it a must have for long-range hunters.



Nosler® Ballistic Tip®

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

Hunters across the world have come to trust this bullet for its accuracy, consistent expansion and tremendous impact. Get up to 85% weight retention.



Speer® TNT® Green™

Lead-free bullet designed for explosive performance. Great accuracy and total disruption make it an ideal varmint round.



Woodleigh® Weldcore® Solid

Safari hunters choose these bullets for their superb stopping-power. These solids perform on even the toughest, most dangerous game.

BULLET SELECTOR GUIDE

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 Penetration: Deep Expansion: High Weight Retention: High Range: Medium																•	•	•	•	•	
Woodleigh Solid Penetration: Maximum Expansion: None Weight Retention: Maximum Range: Medium																				•	•
Trophy Bonded Sledgehammer Penetration: Maximum Expansion: None Weight Retention: Maximum Range: Medium																				•	•
Trophy Bonded Tip Penetration: Deep Expansion: High/Controlled Weight Retention: Maximum Range: Long						•	•	•	•	•	•	•	•	•	•						
Trophy Bonded Bear Claw Penetration: Deep Expansion: High/Controlled Weight Retention: Maximum Range: Long						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Nosler Partition Penetration: Deep Expansion: High/Controlled Weight Retention: High Range: Long						•	•	•	•	•	•	•	•	•	•	•	•	•	•		
Barnes Tipped Triple-Shock X-Bullet Penetration: Deep Expansion: Moderate Weight Retention: Maximum Range: Long						•	•	•	•	•	•	•	•								
Barnes MRX-Bullet Penetration: Deep Expansion: Moderate Weight Retention: High Range: Long						•	•	•	•	•	•	•	•	•	•	•					
Barnes Triple-Shock-X Bullet Penetration: Deep Expansion: Moderate Weight Retention: Maximum Range: Long						•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Barnes Banded Solid Penetration: Maximum Expansion: None Weight Retention: Maximum Range: Medium																				•	•
Nosler AccuBond Penetration: Deep Expansion: High Weight Retention: High Range: Long						•	•	•	•	•	•	•	•	•	•	•		•	•		
Sierra GameKing Penetration: Moderate Expansion: Moderate Weight Retention: Moderate Range: Extra Long	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•						
Speer TNT Green Penetration: Low Expansion: Rapid Weight Retention: Low Range: Long	•	•	•	•	•																
Nosler Ballistic Tip Penetration: Low/Moderate Expansion: Rapid Weight Retention: Low/Moderate Range: Long	•	•	•	•	•		•	•	•												
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[®]



LEAD-FREE FOR VARMINTS.

Our lead-free Speer[®] TNT[®] Green product has established itself as one of the top loads for varmints. Its compressed-powder metal core and lightly-skived jacket gives it what predator and varmint hunters covet most: explosive expansion. Sure this product is lead-free, but what really matters is the performance. If there's one thing varmint hunters don't tolerate, it's poor results in the field. Long shots are a must, and when the time comes to squeeze the trigger, you won't accept a bullet you have to second guess. The terminal performance and accuracy of the TNT Green is second to none. It's great for hide hunters too, because it completely fragments on impact, and virtually eliminates the chance for an exit hole. Find your favorite load today, and be sure to check back soon to see how we've expanded this exciting line.

THE WIND MAY HOWL, BUT YOUR SHOT IS TRUE

Varmint hunters are a unique breed. If you've sat concealed and perfectly still for hours, you know what it takes. Coyotes and other varmints aren't easy targets. Perfect plans are foiled with the slightest misstep. But chance encounters with these wily foes can also result in success. Most of the time, there's no room for error. We load every predator option with this in mind. Our V-Shok[™] line offers several wind-defying options that boast impressive ballistic coefficients and superior terminal performance on everything from coyotes to prairie dogs. This year we've added a 22-250 Rem. 55-gr BlitzKing[®] to keep our varminters happy. No matter what you're after, we've got a load for you.



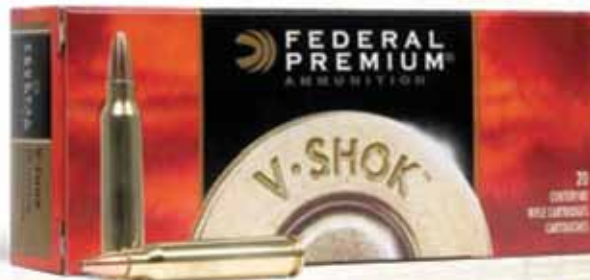
NOSLER® BALLISTIC TIP®		
LOAD NO.	CALIBER	GRAINS
P204B	204 Ruger	32
P222C	222 Rem. (5.56x43mm)	40
P223P	223 Rem.	40
P223F	223 Rem.	55
P220B	220 Swift	40
P243H	243 Win. (6.16x51mm)	55
P243F	243 Win. (6.16x51mm)	70
P2506G	25-06 Rem.	85

SIERRA® BLITZKING®		
LOAD NO.	CALIBER	GRAINS
P204A	204 Ruger	39
NEW P22250C	22-250 Rem.	55

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

SPEER® TNT® GREEN™		
LOAD NO.	CALIBER	GRAINS
P222D	222 Rem (5.56x43mm)	43
P223R	223 Rem	43
P22250D	22-250 Rem	43

JACKETED SOFT POINT		
LOAD NO.	CALIBER	GRAINS
P22B	22 Hornet	45





CONSTANTLY IMPROVING: TROPHY BONDED[®] TIP

Last year's introduction of the Trophy Bonded[®] Tip was a huge breakthrough for big game hunters. This bullet combines superb accuracy, advanced design and great weight retention. The result is unparalleled success in the field. While the proven Trophy Bonded[®] Bear Claw[®] provides the platform, the new features drive performance levels to new heights. Drastic improvements in ballistic coefficients make for better accuracy, and advancements like exterior-skiving ensure consistent, reliable expansion from this bonded bullet. This flashy bullet caught the eye of countless big game hunters last year, and we're willing to bet not too many of their chambers see anything else again this fall. Look for Trophy Tip to be available in two new calibers and 11 new offerings overall.



SEE THE ENTIRE PICTURE OF SUCCESS

Your time in the field is priceless, regardless of the outcome. As a big game hunter, you're constantly learning and always adapting in hopes of putting it all together. And when you do, the reward is great. But getting there is almost as fun. There's no better feeling than dropping your trophy. For that reason, we make sure you have the best loads to chamber in your rifle. Remember, we succeed when you do. Last year saw some drastic improvements to our Vital-Shok[™] line with the addition of the Trophy Bonded[®] Tip and the Barnes[®] Tipped Triple-Shock[®] X-bullet[™]. One took a proven platform and improved it. The other used the concept of a light bullet traveling at hyper speeds. Keep an eye out for extensions of each line this year. And of course this line wouldn't be complete without our other Premium[®] bullet offerings from proven companies like Nosler[®] and Sierra[®].

TROPHY BONDED[®] TIP

Nickel-plated case and bullet for easy extraction and corrosion protection

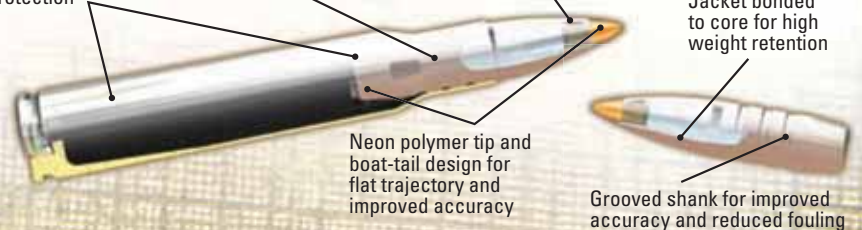
Solid shank for bone crushing penetration

Exterior skiving for optimum expansion

Jacket bonded to core for high weight retention

Neon polymer tip and boat-tail design for flat trajectory and improved accuracy

Grooved shank for improved accuracy and reduced fouling





TROPHY BONDED® TIP

	LOAD NO.	CALIBER	GRAINS
	P270TT1	270 Win.	130
NEW	HE P270TT4	270 Win.	130
NEW	P270TT2	270 Win.	150
NEW	P270WSMTT2	270 Win. Short Magnum	150
	P270WSMTT1	270 Win. Short Magnum	130
	P270WBTT1	270 Weatherby Magnum	130
NEW	P708TT2	7mm-08 Rem.	140
NEW	P280TT2	280 Rem.	140
	P280TT1	280 Rem.	160
	P7RTT1	7mm Rem. Magnum	160
	P7WSMTT1	7mm Win. Short Magnum	160
	P7WBTT1	7mm Weatherby Magnum	160
NEW	HE P308TT4	308 Win.	165
	P308TT2	308 Win.	165
	P308TT1	308 Win.	180
	P3006TT2	30-06 Spring (7.62x63mm)	165
	P3006TT1	30-06 Spring (7.62x63mm)	180
NEW	HE P3006TT4	30-06 Spring (7.62x63mm)	180
	P300HTT1	300 H&H Magnum	180
NEW	P300WTT2	300 Win. Magnum	165
	P300WTT1	300 Win. Magnum	180
NEW	P300WSMTT2	300 Win. Short Magnum	165
	P300WSMTT1	300 Win. Short Magnum	180
	P300WBTT1	300 Weatherby Magnum	180
NEW	HE P300RUMTT1	300 RUM	180
NEW	P338FTT2	338 Federal	200

HE = High Energy


BARNES® TIPPED TRIPLE-SHOCK® X-BULLET™

	LOAD NO.	CALIBER	GRAINS
	HV P270Q	270 Win.	110
	HV P270WSMF	270 Win. Short Magnum	110
NEW	HV P7RP	7mm Rem. Magnum	110
	HV P300WL	300 Win. Magnum	130
	HV P300WSMK	300 Win. Short Magnum	130

HV = Hyper-Velocity

NOSLER® ACCUBOND®

	LOAD NO.	CALIBER	GRAINS
	P270A1	270 Win.	140
	P270WSMA1	270 Win. Short Magnum	140
	P7RA2	7mm Rem. Magnum	140
	P7RA1	7mm Rem. Magnum	160
	P7STWA1	7mm STW	160
	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

 = A portion of the proceeds from the sale of this product is donated to RMEF



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

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
	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
	P730A	7-30 Waters	120
	P308C	308 Win. (7.62x51mm)	165
	P3006G	30-06 Spring. (7.62x63mm)	150
	P3006D	30-06 Spring. (7.62x63mm)	165

SIERRA® GAMEKING® BOAT-TAIL HP

	LOAD NO.	CALIBER	GRAINS
	P243D	243 Win. (6.16x51mm)	85



PREMIUM[®] VITAL-SHOK[™]



THERE'S NO EXCUSE FOR SECOND BEST

The Federal Premium[®] Vital-Shok[™] line has proven itself to big game hunters of all types in all conditions. We take pride in having many Premium[®] options ready for you to chamber no matter where your hunt might take you. We're definitely proud of the reputation we've established but that doesn't mean the innovation will cease. We're constantly looking for ways to improve our products and/or extend our lines. This year is a perfect example. We've loaded Barnes Triple-Shock X-bullet for years, but you'll notice a few new calibers are now available in this all-copper offering. Included in these extensions is even a 30-30 option. Sure there has been a lot of cartridge development and caliber introductions over the years, but the 30-30 remains one of the most popular calibers and deserves the best bullets available. Our constant dedication to improving our line results in viable new products because regardless of caliber, there is no substitute for Premium performance.


A SHINING STAR FOR CONSERVATION

Like many great ideas and organizations, the Rocky Mountain Elk Foundation (RMEF) had some very humble beginnings. The thriving organization was started by four hunters after a weekend of hunting. They started working out of the back of a trailer, and by the end of the first year they had recruited almost 2,500 members. After 25 years, they are now responsible for conserving over 5.4 million acres for the continent's million animal elk herd. Because of their continued dedication and success, Federal Premium[®] is proud to support them with an on-box royalty program. Join one of the 550 chapters and 155,000 members as they strive to carry out the mission statement of this great steward of conservation: Ensure the future of elk, other wildlife and their habitat. www.rmef.org.





BARNES® TRIPLE-SHOCK® X-BULLET™


	LOAD NO.	CALIBER	GRAINS
NEW	P223S	223 Rem.	55
	P243K	243 Win. (6.16x51mm)	85
NEW	P6D	6mm Rem.	85
	P2506H	25-06 Rem.	100
NEW	P260C	260 Rem.	120
	P270L	270 Win.	130
	P270WSMD	270 Win. Short Magnum	130
NEW	P270WBC	270 Weatherby 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
NEW	P3030G	30-30 Win.	150
	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

BARNES® MRX-BULLET™

	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

TROPHY BONDED® BEAR CLAW®

	LOAD NO.	CALIBER	GRAINS
	P7RT1	7mm Rem. Magnum	175
	P300WT1	300 Win. Magnum	200
	P338T1	338 Win. Magnum	225
	P35WT1	35 Whelen	225
	P375T4	375 H&H Magnum	250

 = A portion of the proceeds from the sale of this product is donated to RMEF



NOSLER® PARTITION®

	LOAD NO.	CALIBER	GRAINS
	P223Q	223 Rem.	60
	P22250G	22-250 Rem.	60
	P243E	243 Win. (6.16x51mm)	100
	P6C	6mm Rem.	100
	P257B	257 Roberts +P	120
	P2506E	25-06 Rem.	115
	P270P	270 Win.	130
	P270E	270 Win.	150
	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
	P3030D	30-30 Win.	170
	P308S	308 Win. (7.62x51mm)	150
	P308E	308 Win. (7.62x51mm)	180
	P3006AD	30-06 Spring. (7.62x63mm)	165
	P3006F	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



PREMIUM[®] CAPE•SHOK[®]



THERE IS NO SECOND CHANCE IN ONCE IN A LIFETIME

Anytime you have one of these large caliber rifles in your hands, the stakes are high. One shot is all you get. Not taking full advantage of that opportunity might mean missing out on a trophy, or worse. We load our Cape-Shok™ ammunition for situations just like this. The best components come together to form the finest factory loaded ammunition on the planet. We might build it here in the states, but there's no limit to where it can take you. The .370 Sako Magnum we introduced last year has proven itself in the world of large and dangerous game hunting. Some of the most experienced hunters in the world took it abroad and have sung the highest praises. The full line of soft points and solids up to 470 Nitro Express is also available. New for this year we've added the proven Barnes® Triple-Shock® X-Bullet™ to 458 Lott, and developed a Barnes Banded Solid for the 370 Sako Magnum.

MORE THAN JUST SAFARI



A portion of the proceeds from the sale of this product is donated to SCI.

Safari Club International (SCI) protects the freedom to hunt and the SCI Foundation funds worldwide projects in wildlife conservation, outdoor education and humanitarian services. Despite the name, this membership group isn't just for hunters who travel the world hunting large and dangerous game. While they do a lot of work on other continents, SCI and SCIF are extremely effective advocates for hunting and conservation in North America. Please help support this great organization that helps all hunters by joining today at www.safariclub.org.


SCI
FIRST FOR HUNTERS™



TROPHY BONDED® BEAR CLAW®



LOAD NO.	CALIBER	GRAINS
P375T1	375 H&H Magnum	300
HE 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

HE = High Energy

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



Look for new Cape-Shok™ packaging mid-year 2009.

NOSLER® PARTITON®

LOAD NO.	CALIBER	GRAINS
P370B	370 Sako Magnum	286
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

BARNES® SOLID

LOAD NO.	CALIBER	GRAINS
NEW P370A	370 Sako Magnum	286

BARNES® TRIPLE-SHOCK® X-BULLET™

LOAD NO.	CALIBER	GRAINS
P370C	370 Sako Magnum	286
P375H	375 H&H Magnum	300
P416D	416 Rigby	400
P416RB	416 Rem. Magnum	400
P458D	458 Win. Magnum	500
NEW P458LA	458 Lott	500



= A portion of the proceeds from the sale of this product is donated to RMEF





PREMIUM® GOLD MEDAL®



SETTING THE STANDARD HIGH

Our Gold Medal® centerfire offerings stand alone not only in our line, but among the competition. The majority of our Premium® loads are dedicated to hunters and their quest for game in the field. Gold Medal has a completely different objective, and the name says it all. We manufacture these loads for the highest level of competition. We know there's no substitute for the feeling you get as you look down range and level those sights. As you control your breathing and gently break the trigger, we want all your practice to result in perfection. That's why Gold Medal loads are held to such stringent standards. Nothing is overlooked. The legendary Sierra® MatchKing® Boat-Tail bullet and our proprietary delivery system raise the bar for factory ammunition. It's the most accurate load available, and just the advantage you're looking for.

AFFORDABLE EXCELLENCE

The M1A and M1 Garand are storied rifles that remain very popular and have a huge following. You know that it is important to feed these rifles the right ammunition. A lot of the hunting ammunition today isn't suitable for these special rifles. This year Federal® introduces two affordable, reliable American Eagle® options. These special loads feature staked primers to reduce the risk of firearm malfunction including slamfires. The M1 Garand load features a 150 grain FMJ bullet and a carefully selected propellant producing pressures that match the gas system design. The M1A load features a 168 grain Open Tip Match (OTM) bullet which gives you match-grade accuracy. **See page 24 for ballistic information.**





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.	69
GM223M3	223 Rem.	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


	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						
				GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
FEDERAL PREMIUM® V-SHOK®														
		1	P22B	22 Hornet	45	2.92	Jacketed Soft Point	200	2690	2100	1590	1210	1000	890
		1	P204B	204 Ruger	32	2.07	Nosler Ballistic Tip	205	4030	3470	2970	2520	2120	1760
		1	P204A	204 Ruger	39	2.53	Sierra BlitzKing	205	3750	3360	3010	2680	2380	2090
		1	P222C	222 Rem. (5.56x43mm)	40	2.59	Nosler Ballistic Tip	205	3450	2990	2570	2190	1840	1530
		1	P222D	222 Rem. (5.56x43mm)	43	2.79	Speer TNT Green	205	3400	2750	2180	1680	1290	1050
		1	P223P	223 Rem.	40	2.59	Nosler Ballistic Tip	205	3700	3210	2770	2370	2010	1680
		1	P223R	223 Rem.	43	2.79	Speer TNT Green	205	3600	2920	2330	1810	1390	1100
		1	P223E	223 Rem.	55	3.56	Sierra GameKing BTHP	205	3240	2850	2490	2150	1850	1570
		1	P223F	223 Rem.	55	3.56	Nosler Ballistic Tip	205	3240	2870	2530	2210	1920	1650
		1	P22250D	22-250 Rem.	43	2.79	Speer TNT Green	210	4000	3250	2620	2070	1590	1220
NEW		1	P22250C	22-250 Rem.	55	3.56	Sierra BlitzKing	210	3625	3230	2860	2530	2210	1930
		1	P22250B	22-250 Rem.	55	3.56	Sierra GameKing BTHP	210	3650	3220	2830	2470	2140	1830
		1	P220B	220 Swift	40	2.59	Nosler Ballistic Tip	210	4250	3690	3200	2770	2370	2000
		1	P220V	220 Swift	52	3.37	Sierra MatchKing BTHP	210	3830	3330	2890	2490	2120	1780
		1	P243H	243 Win. (6.16x51mm)	55	3.56	Nosler Ballistic Tip	210	3850	3440	3060	2720	2400	2110
		1	P243F	243 Win. (6.16x51mm)	70	4.54	Nosler Ballistic Tip	210	3450	3110	2800	2510	2240	1980
		1	P2506G	25-06 Rem.	85	5.51	Nosler Ballistic Tip	210	3550	3230	2930	2640	2380	2130
FEDERAL PREMIUM® VITAL-SHOK®														
NEW		2	P223S	223 Rem.	55	3.56	Barnes Triple-Shock X-Bullet	205	3200	2750	2350	1980	1650	1360
		2	P223Q	223 Rem.	60	3.89	Nosler Partition	205	3160	2740	2350	2000	1680	1400
		2	P22250G	22-250 Rem.	60	3.89	Nosler Partition	210	3500	3040	2630	2250	1910	1600
		2	P243D	243 Win. (6.16x51mm)	85	5.51	Sierra GameKing BTHP	210	3300	2980	2680	2410	2140	1900
		2	P243K	243 Win. (6.16x51mm)	85	5.51	Barnes Triple-Shock X-Bullet	210	3200	2900	2630	2370	2120	1890
		2	P243J	243 Win. (6.16x51mm)	95	6.16	Nosler Ballistic Tip	210	3025	2770	2540	2310	2100	1890
		2	P243E	243 Win. (6.16x51mm)	100	6.48	Nosler Partition*	210	2850	2610	2390	2170	1970	1780
		2	P243C	243 Win. (6.16x51mm)	100	6.48	Sierra GameKing BTSP	210	2960	2740	2530	2330	2150	1960
NEW		2	P6D	6mm Rem.	85	5.51	Barnes Triple Shock X-Bullet	210	3350	3040	2760	2490	2240	2000
		2	P6C	6mm Rem.	100	6.48	Nosler Partition	210	3100	2850	2610	2380	2170	1970
		2	P257B	257 Roberts +P	120	7.78	Nosler Partition	210	2800	2570	2350	2140	1940	1760
		2	P2506H	25-06 Rem.	100	6.48	Barnes Triple-Shock X-Bullet	210	3210	2970	2750	2540	2330	2140
		2	P2506D	25-06 Rem.	100	6.48	Nosler Ballistic Tip	210	3220	2970	2730	2500	2290	2080
		2	P2506E	25-06 Rem.	115	7.45	Nosler Partition	210	3030	2790	2550	2330	2120	1930
		2	P2506C	25-06 Rem.	117	7.58	Sierra GameKing BTSP	210	3030	2800	2580	2370	2170	1980
NEW		2	P260C	260 Rem.	120	7.78	Barnes Triple-Shock X-Bullet	210	2930	2690	2450	2240	2030	1830
		2	P260B	260 Rem.	120	7.78	Nosler Ballistic Tip	210	2950	2730	2510	2310	2110	1930
		2	P260A	260 Rem.	140	9.07	Sierra GameKing BTSP	210	2700	2490	2280	2090	1910	1730
HV		2	P270Q	270 Win.	110	7.13	Barnes Tipped Triple-Shock X-Bullet	210	3400	3130	2870	2620	2390	2180
◇		2	P270TT1	270 Win.	130	8.42	Trophy Bonded Tip	210	3060	2840	2630	2430	2240	2060
		2	P270D	270 Win.	130	8.42	Sierra GameKing BTSP	210	3060	2840	2630	2430	2240	2060
		2	P270F	270 Win.	130	8.42	Nosler Ballistic Tip	210	3060	2840	2630	2420	2230	2050
		2	P270L	270 Win.	130	8.42	Barnes Triple-Shock X-Bullet	210	3060	2840	2630	2420	2230	2040
		2	P270P	270 Win.	130	8.42	Nosler Partition	210	3060	2830	2610	2400	2200	2010
NEW	HE, ◇	2	P270TT4	270 Win.	130	8.42	Trophy Bonded Tip	210	3200	2970	2760	2560	2360	2170
		2	P270A1	270 Win.	140	9.07	Nosler AccuBond	210	2950	2760	2580	2400	2240	2080
NEW	◇	2	P270TT2	270 Win.	150	9.72	Trophy Bonded Tip	210	2830	2640	2450	2270	2100	1940
		2	P270C	270 Win.	150	9.72	Sierra GameKing BTSP	210	2830	2640	2460	2280	2110	1950
		2	P270E	270 Win.	150	9.72	Nosler Partition	210	2830	2630	2450	2270	2090	1930
HV		2	P270WSMF	270 Win. Short Magnum	110	7.13	Barnes Tipped Triple-Shock X-Bullet	215	3500	3220	2960	2710	2470	2250
◇		2	P270WSMTT1	270 Win. Short Magnum	130	8.42	Trophy Bonded Tip	215	3280	3050	2830	2620	2430	2240
		2	P270WSMB	270 Win. Short Magnum	130	8.42	Nosler Ballistic Tip	215	3300	3070	2840	2630	2430	2240
		2	P270WSMD	270 Win. Short Magnum	130	8.42	Barnes Triple-Shock X-Bullet	215	3280	3050	2820	2610	2410	2220
		2	P270WSMA1	270 Win. Short Magnum	140	9.07	Nosler AccuBond	215	3200	3000	2810	2620	2450	2280
NEW	◇	3	P270WSMTT2	270 Win. Short Magnum	150	9.72	Trophy Bonded Tip	215	3100	2890	2700	2510	2330	2150
		2	P270WSMC	270 Win. Short Magnum	150	9.72	Nosler Partition	215	3100	2890	2690	2500	2320	2150
◇		2	P270WBTT1	270 Weatherby Magnum	130	8.42	Trophy Bonded Tip	215	3200	2970	2760	2560	2360	2170
NEW	◇	2	P270WBC	270 Weatherby Magnum	130	8.42	Barnes Triple-Shock X-Bullet	215	3200	2970	2750	2540	2340	2150
		2	P730A	7-30 Waters	120	7.78	Sierra GameKing BTSP-FN	210	2700	2300	1930	1600	1330	1130
		2	P7C	7mm Mauser (7x57mm Mauser)	140	9.07	Nosler Partition	210	2660	2460	2260	2080	1900	1740
NEW	◇	2	P708TT2	7mm-08 Rem.	140	9.07	Trophy Bonded Tip	210	2800	2590	2390	2200	2010	1840
		2	P708A	7mm-08 Rem.	140	9.07	Nosler Partition	210	2800	2590	2390	2200	2020	1850
		2	P708B	7mm-08 Rem.	140	9.07	Nosler Ballistic Tip	210	2800	2610	2430	2260	2090	1940
		2	P708C	7mm-08 Rem.	140	9.07	Barnes Triple-Shock X-Bullet	210	2820	2590	2370	2160	1960	1780

Abbreviation Key: BTHP = Boat-Tail Hollow Point, BTSP = Boat-Tail Soft Point, FN = Flat Nose, HE = High Energy (Not for use in semi-automatic rifles), HV = Hyper-Velocity, ◇ = Nickel Plated Cases,  = A portion of the proceeds from the sale of this product is donated to RMEF, *Molycoat = Molybdenum Disulfide Dry Film Lubricant



PREMIUM RIFLE BALLISTICS

NEW ▶	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	MUZZLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					
				GRAINS	GRAMS				100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
			FEDERAL PREMIUM® VITAL•SHOK®											
NEW ▶	◇	2	P280TT2	280 Rem.	140	9.07	Trophy Bonded Tip	210	2950	2730	2520	2330	2140	1960
		2	P280D	280 Rem.	140	9.07	Nosler Ballistic Tip	210	2990	2790	2610	2430	2260	2090
		2	P280E	280 Rem.	140	9.07	Barnes Triple-Shock X-Bullet	210	2960	2720	2500	2280	2080	1880
		2	P280A	280 Rem.	150	9.72	Nosler Partition	210	2890	2690	2490	2310	2130	1960
	◇	2	P280TT1	280 Rem.	160	10.37	Trophy Bonded Tip	210	2800	2630	2460	2290	2140	1990
NEW ▶		2	P7RP	7mm Rem. Magnum	110	7.13	Barnes Tipped Triple-Shock X-Bullet	215	3500	3200	2920	2650	2400	2170
		2	P7RA2	7mm Rem. Magnum	140	9.07	Nosler AccuBond	215	3110	2910	2720	2530	2360	2190
		2	P7RG	7mm Rem. Magnum	140	9.07	Nosler Partition	215	3150	2920	2710	2500	2310	2120
		2	P7RM	7mm Rem. Magnum	140	9.07	Barnes Triple-Shock X-Bullet	215	3120	2870	2640	2420	2210	2010
		2	P7RH	7mm Rem. Magnum	150	9.72	Nosler Ballistic Tip	215	3025	2830	2650	2470	2300	2130
		3	P7RD	7mm Rem. Magnum	150	9.72	Sierra GameKing BTSP	215	3110	2890	2680	2470	2280	2090
		3	P7RA1	7mm Rem. Magnum	160	10.37	Nosler AccuBond	215	2900	2730	2560	2390	2240	2090
		3	P7RN	7mm Rem. Magnum	160	10.37	Barnes Triple-Shock X-Bullet	215	2940	2760	2580	2410	2240	2090
	◇	3	P7RTT1	7mm Rem. Magnum	160	10.37	Trophy Bonded Tip	215	2900	2720	2550	2380	2220	2070
		3	P7RF	7mm Rem. Magnum	160	10.37	Nosler Partition	215	2950	2750	2560	2380	2210	2040
		3	P7RE	7mm Rem. Magnum	165	10.69	Sierra GameKing BTSP	215	2950	2750	2550	2360	2180	2010
	◇	3	P7RT1	7mm Rem. Magnum	175	11.34	Trophy Bonded Bear Claw	215	2750	2530	2320	2120	1930	1750
		2	P7WSMB	7mm Win. Short Magnum	140	9.07	Nosler Ballistic Tip	215	3310	3100	2900	2700	2520	2340
		3	P7WSMD	7mm Win. Short Magnum	160	10.37	Barnes Triple-Shock X-Bullet	215	2990	2800	2620	2450	2290	2130
	◇	3	P7WSMTT1	7mm Win. Short Magnum	160	10.37	Trophy Bonded Tip	215	3000	2820	2640	2470	2310	2150
	◇	3	P7WBTT1	7mm Weatherby Magnum	160	10.37	Trophy Bonded Tip	215	3100	2910	2730	2560	2390	2240
		3	P7STWA1	7mm STW	160	10.37	Nosler AccuBond	215	3100	2920	2740	2570	2410	2250
NEW ▶		2	P3030G	30-30 Win.	150	9.72	Barnes Triple-Shock X-Bullet	210	2220	1800	1450	1180	1020	920
		2	P3030D	30-30 Win.	170	11.02	Nosler Partition	210	2200	1890	1620	1380	1190	1060
		2	P308F	308 Win. (7.62x51mm)	150	9.72	Nosler Ballistic Tip	210	2820	2610	2410	2220	2040	1860
		2	P308S	308 Win. (7.62x51mm)	150	9.72	Nosler Partition	210	2840	2600	2380	2170	1970	1780
		2	P308V	308 Win. (7.62x51mm)	150	9.72	Barnes Triple-Shock X-Bullet	210	2820	2570	2340	2120	1910	1720
		3	P308H	308 Win. (7.62x51mm)	165	10.69	Barnes Triple-Shock X-Bullet	210	2650	2420	2200	1990	1800	1620
NEW ▶	HE, ◇	3	P308TT4	308 Win. (7.62x51mm)	165	10.69	Trophy Bonded Tip	210	2880	2680	2480	2290	2110	1940
	◇	2	P308TT2	308 Win. (7.62x51mm)	165	10.69	Trophy Bonded Tip	210	2700	2500	2310	2130	1960	1800
		2	P308C	308 Win. (7.62x51mm)	165	10.69	Sierra GameKing BTSP	210	2700	2480	2270	2070	1880	1710
		3	P308E	308 Win. (7.62x51mm)	180	11.66	Nosler Partition	210	2570	2390	2210	2050	1890	1730
	◇	2	P308TT1	308 Win. (7.62x51mm)	180	11.66	Trophy Bonded Tip	210	2620	2450	2280	2120	1960	1810
		3	P308W	308 Win. (7.62x51mm)	180	11.66	Barnes MRX-Bullet	210	2600	2440	2290	2140	2000	1860
		2	P3006G	30-06 Spring. (7.62x63mm)	150	9.72	Sierra GameKing BTSP	210	2910	2670	2440	2220	2010	1810
		2	P3006P	30-06 Spring. (7.62x63mm)	150	9.72	Nosler Ballistic Tip	210	2910	2700	2490	2300	2110	1930
		2	P3006Q	30-06 Spring. (7.62x63mm)	165	10.69	Nosler Ballistic Tip	210	2800	2610	2430	2250	2080	1920
	◇	2	P3006TT2	30-06 Spring. (7.62x63mm)	165	10.69	Trophy Bonded Tip	210	2800	2600	2410	2220	2040	1880
		2	P3006AD	30-06 Spring. (7.62x63mm)	165	10.69	Nosler Partition	210	2830	2610	2400	2190	2000	1820
		2	P3006AF	30-06 Spring. (7.62x63mm)	165	10.69	Barnes Triple-Shock X-Bullet	210	2800	2560	2340	2120	1920	1730
		2	P3006D	30-06 Spring. (7.62x63mm)	165	10.69	Sierra GameKing BTSP	210	2800	2580	2360	2160	1970	1780
		3	P3006F	30-06 Spring. (7.62x63mm)	180	11.66	Nosler Partition	210	2700	2510	2330	2160	2000	1840
		3	P3006AH	30-06 Spring. (7.62x63mm)	180	11.66	Barnes MRX-Bullet	210	2700	2540	2380	2230	2090	1950
		3	P3006AE	30-06 Spring. (7.62x63mm)	180	11.66	Barnes Triple-Shock X-Bullet	210	2700	2500	2320	2140	1970	1800
		3	P3006A1	30-06 Spring. (7.62x63mm)	180	11.66	Nosler AccuBond	210	2700	2520	2360	2190	2040	1890
NEW ▶	HE, ◇	3	P3006TT4	30-06 Spring. (7.62x63mm)	180	11.66	Trophy Bonded Tip	210	2880	2700	2520	2350	2180	2020
	◇	2	P3006TT1	30-06 Spring. (7.62x63mm)	180	11.66	Trophy Bonded Tip	210	2700	2520	2350	2190	2030	1880
	◇	3	P300HA	300 H&H Magnum	180	11.66	Nosler Partition	215	2880	2620	2380	2150	1930	1730
	◇	3	P300HB	300 H&H Magnum	180	11.66	Barnes Triple-Shock X-Bullet	215	2880	2680	2480	2290	2120	1950
	◇	3	P300HTT1	300 H&H Magnum	180	11.66	Trophy Bonded Tip	215	2880	2700	2520	2350	2180	2020
	HV	2	P300WL	300 Win. Magnum	130	8.42	Barnes Tipped Triple-Shock X-Bullet	215	3500	3200	2930	2670	2420	2190
NEW ▶	◇	3	P300WTT2	300 Win. Magnum	165	10.69	Trophy Bonded Tip	215	3050	2840	2630	2440	2250	2080
		2	P300WR	300 Win. Magnum	165	10.69	Barnes Triple-Shock X-Bullet	215	3050	2800	2560	2340	2120	1920
		2	P300WK	300 Win. Magnum	165	10.69	Nosler Partition	215	3050	2820	2590	2380	2180	1990
	◇	3	P300WTT1	300 Win. Magnum	180	11.66	Trophy Bonded Tip	215	2960	2770	2590	2420	2250	2090
		3	P300WX	300 Win. Magnum	180	11.66	Barnes MRX-Bullet	215	2960	2790	2620	2470	2310	2160
		3	P300WP	300 Win. Magnum	180	11.66	Barnes Triple-Shock X-Bullet	215	2960	2750	2550	2360	2180	2010
	◇	3	P300WD2	300 Win. Magnum	180	11.66	Nosler Partition	215	2960	2700	2460	2220	2010	1800
		3	P300WA1	300 Win. Magnum	180	11.66	Nosler AccuBond	215	2960	2770	2600	2420	2260	2100
	◇	3	P300WT1	300 Win. Magnum	200	12.96	Trophy Bonded Bear Claw	215	2700	2480	2260	2060	1870	1690

Abbreviation Key: BTSP = Boat-Tail Soft Point, HE = High Energy (Not for use in semi-automatic rifles), HV = Hyper-Velocity, ◇ = Nickel Plated Cases,  = A portion of the proceeds from the sale of this product is donated to RMEF.

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.
MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	AVERAGE RANGE					LONG RANGE						
											50 YDS.	100 YDS.	200 YDS.	300 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.		
2705	2320	1980	1680	1420	1190	0.7	2.9	6.8	12.7	20.5	-0.2	◆	-3.2	-11.8	0.6	1.6	◆	-7.0	-20.6	-41.5	24	P280TT2
2780	2425	2115	1830	1580	1355	0.6	2.5	5.8	10.7	17.5	-0.2	◆	-3.0	-11.0	0.5	1.5	◆	-6.5	-19.1	-38.5	24	P280D
2725	2305	1935	1620	1340	1105	0.8	3.2	7.5	13.9	22.6	-0.2	◆	-3.2	-12.0	0.6	1.6	◆	-7.2	-21.1	-42.8	24	P280E
2780	2405	2070	1775	1510	1280	0.7	2.9	6.5	12.2	19.6	-0.2	◆	-3.3	-12.2	0.6	1.7	◆	-7.2	-21.1	-42.4	24	P280A
2785	2450	2145	1870	1625	1405	0.7	2.6	5.9	11.0	17.8	-0.2	◆	-3.5	-12.8	0.7	1.8	◆	-7.5	-21.8	-43.6	24	P280TT1
2990	2500	2075	1720	1410	1145	0.7	2.9	6.8	12.6	20.7	-0.4	◆	-1.9	-7.9	0.1	0.9	◆	-5.1	-15.0	-31.2	24	P7RP
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
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
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
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
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
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
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
2990	2630	2310	2015	1755	1525	0.6	2.5	5.6	10.4	16.9	-0.2	◆	-3.2	-11.7	0.6	1.6	◆	-6.9	-20.0	-40.2	24	P7RTT1
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
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
2940	2485	2090	1745	1450	1195	0.8	3.4	8.1	14.8	24.4	-0.1	◆	-3.9	-14.4	0.9	2.0	◆	-8.5	-24.6	-50.2	24	P7RT1
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
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
3195	2820	2480	2170	1895	1645	0.6	2.4	5.4	9.9	16.0	-0.2	◆	-2.9	-10.8	0.5	1.5	◆	-6.4	-18.5	-37.2	24	P7WSMTT1
3415	3015	2655	2330	2035	1775	0.5	2.2	5.2	9.4	15.2	-0.3	◆	-2.6	-9.9	0.4	1.3	◆	-6.0	-17.2	-34.6	24	P7WBTT1
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
1640	1085	695	460	345	280	2.6	11.5	28.4	53.2	84.2	0.3	◆	-9.4	-35.8	2.7	4.7	◆	-21.7	-68.6	-147.8	24	P3030G
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
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
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
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
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
3040	2620	2250	1920	1635	1375	0.7	2.9	6.7	12.5	20.1	-0.2	◆	-3.4	-12.4	0.7	1.7	◆	-7.3	-21.4	-43.0	24	P308TT4
2670	2295	1960	1665	1410	1180	0.7	3.1	7.4	13.6	22.1	-0.1	◆	-4.1	-14.7	0.9	2.0	◆	-8.6	-24.7	-49.9	24	P308TT2
2670	2255	1890	1575	1300	1070	0.8	3.5	8.3	15.3	25.4	-0.1	◆	-4.2	-15.1	0.9	2.1	◆	-8.9	-25.6	-52.7	24	P308C
2640	2280	1955	1670	1420	1200	0.7	3.2	7.5	13.6	22.5	-0.1	◆	-4.7	-16.4	1.1	2.3	◆	-9.4	-26.9	-54.7	24	P308E
2745	2390	2070	1790	1535	1315	0.6	2.9	6.9	12.5	20.3	-0.1	◆	-4.3	-15.4	1.0	2.2	◆	-8.9	-25.5	-51.1	24	P308TT1
2700	2385	2095	1835	1600	1390	0.6	2.6	6.2	11.3	18.2	-0.1	◆	-4.3	-15.4	1.0	2.2	◆	-8.9	-25.2	-50.0	24	P308W
2820	2370	1975	1635	1345	1095	0.9	3.4	8.0	14.9	24.3	-0.2	◆	-3.4	-12.7	0.7	1.7	◆	-7.6	-22.3	-45.5	24	P3006G
2820	2420	2070	1755	1485	1245	0.7	3.0	6.9	12.8	20.6	-0.2	◆	-3.3	-12.2	0.6	1.6	◆	-7.2	-21.1	-42.6	24	P3006P
2870	2495	2155	1855	1585	1350	0.7	2.8	6.6	12.2	19.6	-0.2	◆	-3.6	-13.1	0.7	1.8	◆	-7.8	-22.4	-44.9	24	P3006Q
2870	2475	2120	1805	1530	1290	0.8	2.9	7.0	12.9	20.9	-0.2	◆	-3.6	-13.3	0.8	1.8	◆	-7.9	-22.8	-45.8	24	P3006TT2
2935	2490	2100	1760	1465	1210	0.8	3.2	7.7	14.2	23.1	-0.2	◆	-3.6	-13.3	0.7	1.8	◆	-7.9	-23.0	-46.8	24	P3006AD
2870	2405	2000	1650	1350	1095	0.9	3.6	8.5	15.6	25.9	-0.1	◆	-3.8	-14.0	0.8	1.9	◆	-8.4	-24.2	-49.9	24	P3006AF
2870	2430	2045	1710	1415	1165	0.8	3.3	7.9	14.6	23.9	-0.1	◆	-3.7	-13.8	0.8	1.9	◆	-8.2	-23.7	-48.3	24	P3006D
2915	2525	2175	1865	1590	1350	0.7	2.9	7.0	12.9	20.7	-0.1	◆	-4.0	-14.5	0.9	2.0	◆	-8.5	-24.4	-48.7	24	P3006F
2915	2575	2270	1990	1740	1515	0.6	2.4	5.9	10.8	17.3	-0.1	◆	-3.9	-13.9	0.8	1.9	◆	-8.1	-23.3	-46.1	24	P3006AH
2915	2505	2145	1825	1545	1295	0.7	3.1	7.3	13.5	21.9	-0.1	◆	-4.0	-14.7	0.9	2.0	◆	-8.6	-24.7	-49.7	24	P3006AE
2915	2545	2215	1920	1660	1425	0.7	2.7	6.5	11.9	19.0	-0.1	◆	-3.9	-14.2	0.9	2.0	◆	-8.3	-23.8	-47.4	24	P3006A1
3315	2900	2530	2200	1900	1635	0.7	2.6	5.9	11.0	17.8	-0.2	◆	-3.3	-12.0	0.6	1.6	◆	-7.1	-20.6	-41.4	24	P3006TT4
2915	2540	2210	1910	1645	1410	0.7	2.7	6.6	12.0	19.4	-0.1	◆	-3.9	-14.3	0.9	2.0	◆	-8.4	-23.9	-47.7	24	P3006TT1
3315	2750	2260	1845	1490	1190	0.9	3.7	8.8	16.3	27.0	-0.2	◆	-3.5	-13.3	0.7	1.8	◆	-8.0	-23.4	-48.5	24	P300HA
3315	2860	2460	2105	1790	1510	0.7	2.9	6.6	12.4	19.9	-0.2	◆	-3.4	-12.3	0.7	1.7	◆	-7.3	-21.3	-42.9	24	P300HB
3315	2900	2530	2200	1900	1635	0.7	2.6	5.9	11.0	17.8	-0.2	◆	-3.3	-12.0	0.6	1.6	◆	-7.1	-20.6	-41.4	24	P300HTT1
3535	2965	2475	2055	1690	1385	0.7	2.8	6.7	12.3	20.2	-0.4	◆	-1.9	-7.9	0.1	0.9	◆	-5.0	-14.9	-30.8	24	P300WL
3410	2950	2540	2180	1860	1575	0.6	2.7	6.1	11.4	18.5	-0.2	◆	-2.9	-10.7	0.5	1.4	◆	-6.4	-18.7	-37.9	24	P300WTT2
3410	2870	2400	1995	1650	1345	0.7	3.2	7.4	13.9	22.6	-0.2	◆	-3.0	-11.2	0.5	1.5	◆	-6.7	-20.0	-40.8	24	P300WR
3410	2905	2465	2080	1740	1450	0.7	3.0	6.8	12.8	20.8	-0.2	◆	-2.9	-10.9	0.5	1.5	◆	-6.6	-19.4	-39.5	24	P300WK
3500	3070	2680	2335	2025	1745	0.6	2.5	5.7	10.5	17.1	-0.2	◆	-3.1	-11.2	0.5	1.5	◆	-6.6	-19.3	-38.9	24	P300WTT1
3500	3110	2750	2430	2135	1870	0.5	2.3	5.1	9.4	15.3	-0.2	◆	-3.0	-11.0	0.5	1.5	◆	-6.5	-18.7	-37.6	24	P300WX
3500	3025	2605	2235	1905	1610	0.7	2.8	6.3	11.8	19.2	-0.2	◆	-3.1	-11.5	0.6	1.6	◆	-6.8	-20.0	-40.4	24	P300WP
3500	2915	2410	1980	1605	1295	0.9	3.5	8.3	15.4	25.3	-0.2	◆	-3.3	-12.3	0.6	1.6	◆	-7.4	-21.9	-45.0	24	P300WD2
3500	3075	2690	2350	2040	1765	0.6	2.5	5.6	10.4	16.8	-0.2	◆	-3.0	-11.2	0.5	1.5	◆	-6.6	-19.2	-38.7	24	P300WA1
3235	2720	2275	1885	1550	1265	0.9	3.6	8.5	15.7	26.1	-0.1	◆	-4.2	-15.2	0.9	2.1	◆	-8.9	-25.9	-53.3	24	P300WT1

Usage Key: 1 = Varmints, predators, small game 2 = Medium



PREMIUM RIFLE BALLISTICS

	USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		BULLET STYLE	FACTORY PRIMER NO.	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)						
				GRAINS	GRAMS			MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
FEDERAL PREMIUM® VITAL-SHOK®														
		2	P300WSMK	300 Win. Short Magnum	130	8.42	Barnes Tipped Triple-Shock	215	3500	3200	2930	2670	2420	2190
		2	P300WSMD	300 Win. Short Magnum	150	9.72	Nosler Ballistic Tip	215	3250	3020	2800	2590	2390	2200
NEW ▶	◇	3	P300WSMTT2	300 Win. Short Magnum	165	10.69	Trophy Bonded Tip	215	3130	2910	2710	2510	2320	2140
		2	P300WSME	300 Win. Short Magnum	165	10.69	Nosler Partition	215	3120	2880	2660	2450	2240	2050
		2	P300WSMG	300 Win. Short Magnum	165	10.69	Barnes Triple-Shock X-Bullet	215	3130	2870	2630	2400	2190	1980
	◇	3	P300WSMJ	300 Win. Short Magnum	180	11.66	Barnes MRX-Bullet	215	2980	2810	2640	2480	2330	2180
	◇	3	P300WSMTT1	300 Win. Short Magnum	180	11.66	Trophy Bonded Tip	215	2960	2770	2590	2420	2250	2090
		3	P300WSMF	300 Win. Short Magnum	180	11.66	Barnes Triple-Shock X-Bullet	215	2980	2770	2570	2380	2200	2030
		3	P300WSMA1	300 Win. Short Magnum	180	11.66	Nosler AccuBond	215	2960	2770	2600	2420	2260	2100
		3	P300WSMB	300 Win. Short Magnum	180	11.66	Nosler Partition	215	2980	2780	2590	2410	2230	2060
	◇	3	P300WBA	300 Weatherby Magnum	180	11.66	Nosler Partition	215	3080	2880	2680	2490	2320	2140
	◇	3	P300WBE	300 Weatherby Magnum	180	11.66	Barnes Triple-Shock X-Bullet	215	3110	2900	2690	2500	2310	2130
	◇	3	P300WBTT1	300 Weatherby Magnum	180	11.66	Trophy Bonded Tip	215	3100	2910	2720	2540	2370	2200
	◇	3	P300RUMD	300 Rem. Ultra Magnum	180	11.66	Barnes Triple-Shock X-Bullet	216	3150	2930	2730	2530	2340	2160
NEW ▶	◇	3	P300RUMTT1	300 Rem. Ultra Magnum	180	11.66	Trophy Bonded Tip	216	3200	3000	2810	2630	2450	2280
	◇	3	P300RUMC	300 Rem. Ultra Magnum	200	12.96	Nosler Partition	216	3070	2870	2680	2490	2320	2150
		3	P338FA1	338 Federal	180	11.66	Nosler AccuBond	210	2830	2590	2350	2130	1930	1730
		3	P338FC	338 Federal	185	11.99	Barnes Triple-Shock X-Bullet	210	2750	2500	2260	2030	1820	1620
NEW ▶	◇	3	P338FTT2	338 Federal	200	12.96	Trophy Bonded Tip	210	2630	2430	2240	2060	1890	1730
		3	P338FB	338 Federal	210	13.61	Nosler Partition	210	2630	2410	2200	2010	1820	1650
		3	P338A3	338 Win. Magnum	180	11.66	Nosler AccuBond	215	3120	2860	2610	2380	2160	1950
		3	P338A2	338 Win. Magnum	210	13.61	Nosler Partition	215	2830	2600	2380	2180	1980	1790
		3	P338K	338 Win. Magnum	225	14.58	Barnes Triple-Shock X-Bullet	215	2800	2570	2340	2130	1930	1740
		3	P338T1	338 Win. Magnum	225	14.58	Trophy Bonded Bear Claw	215	2730	2490	2260	2050	1840	1660
		3	P338A1	338 Win. Magnum	225	14.58	Nosler AccuBond	215	2800	2630	2480	2320	2170	2030
		3	P338B2	338 Win. Magnum	250	16.20	Nosler Partition	215	2660	2470	2300	2120	1960	1800
	◇	3	P338RUMA	338 Rem. Ultra Magnum	210	13.61	Nosler Partition	216	3050	2810	2580	2370	2160	1970
	◇	3	P338RUMA1	338 Rem. Ultra Magnum	225	14.58	Nosler AccuBond	216	3020	2850	2680	2520	2360	2210
	◇	3	P35WT1	35 Whelen	225	14.58	Trophy Bonded Bear Claw	210	2600	2350	2120	1900	1690	1500
	◇	3	P375T4	375 H&H Magnum	250	16.20	Trophy Bonded Bear Claw	215	2670	2410	2170	1940	1730	1530
	◇	3	P375A1	375 H&H Magnum	260	16.85	Nosler AccuBond	215	2700	2510	2330	2160	1990	1830
FEDERAL PREMIUM® CAPE-SHOK®														
	◇	4	P370B	370 Sako Magnum	286	18.53	Nosler Partition	210	2550	2370	2200	2040	1880	1730
	◇	4	P370C	370 Sako Magnum	286	18.53	Barnes Triple-Shock X-Bullet	210	2550	2370	2190	2020	1860	1710
NEW ▶	◇	4	P370A	370 Sako Magnum	286	18.53	Barnes Banded Solid	210	2550	2220	1920	1650	1410	1210
	◇	4	P375F	375 H&H Magnum	300	19.44	Nosler Partition	215	2530	2320	2110	1920	1740	1570
	◇	4	P375H	375 H&H Magnum	300	19.44	Barnes Triple-Shock X-Bullet	215	2470	2240	2010	1800	1610	1440
	◇	4	P375T1	375 H&H Magnum	300	19.44	Trophy Bonded Bear Claw	215	2400	2160	1930	1720	1530	1360
	◇	4	P375T2	375 H&H Magnum	300	19.44	Trophy Bonded Sledgehammer Solid	215	2440	2120	1820	1550	1320	1150
	HE, ◇	4	P375T3	375 H&H Magnum	300	19.44	Trophy Bonded Bear Claw	215	2600	2350	2110	1890	1680	1490
	◇	4	P416D	416 Rigby	400	25.92	Barnes Triple-Shock X-Bullet	216	2400	2190	1990	1800	1630	1460
	◇	4	P416T1	416 Rigby	400	25.92	Trophy Bonded Bear Claw	216	2300	2080	1880	1690	1520	1360
	◇	4	P416T2	416 Rigby	400	25.92	Trophy Bonded Sledgehammer Solid	216	2370	2070	1800	1550	1340	1170
	◇	4	P416RB	416 Rem. Magnum	400	25.92	Barnes Triple-Shock X-Bullet	216	2370	2160	1960	1770	1600	1440
	◇	4	P416RT1	416 Rem. Magnum	400	25.92	Trophy Bonded Bear Claw	216	2400	2180	1970	1770	1590	1430
	◇	4	P416RT2	416 Rem. Magnum	400	25.92	Trophy Bonded Sledgehammer Solid	216	2400	2100	1820	1570	1360	1190
	◇	4	P458T1	458 Win. Magnum	400	25.92	Trophy Bonded Bear Claw	215	2250	2030	1810	1620	1440	1290
	◇	4	P458T2	458 Win. Magnum	500	32.40	Trophy Bonded Bear Claw	215	2090	1820	1580	1370	1200	1080
	◇	4	P458T3	458 Win. Magnum	500	32.40	Trophy Bonded Sledgehammer Solid	215	1950	1730	1530	1350	1210	1100
	◇	4	P458D	458 Win. Magnum	500	32.40	Barnes Triple-Shock X-Bullet	215	2050	1870	1700	1540	1390	1270
	◇	4	P458LT1	458 Lott	500	32.40	Trophy Bonded Bear Claw	216	2300	2020	1760	1520	1320	1160
	◇	4	P458LT2	458 Lott	500	32.40	Trophy Bonded Sledgehammer Solid	216	2300	2060	1830	1620	1430	1270
NEW ▶	◇	4	P458LA	458 Lott	500	32.40	Barnes Triple-Shock X-Bullet	216	2280	2090	1900	1730	1560	1420
	◇	4	P470A	470 Nitro Express	500	32.40	Woodleigh Weldcore SP	216	2150	1890	1660	1450	1270	1130
	◇	4	P470B	470 Nitro Express	500	32.40	Woodleigh Solid	216	2150	1890	1660	1450	1270	1130
	◇	4	P470T1	470 Nitro Express	500	32.40	Trophy Bonded Bear Claw	216	2150	1890	1660	1450	1270	1130
	◇	4	P470T2	470 Nitro Express	500	32.40	Trophy Bonded Sledgehammer Solid	216	2150	1880	1630	1410	1230	1090
FEDERAL PREMIUM® GOLD MEDAL®														
		5	GM223M	223 Rem.	69	4.47	Sierra MatchKing BTHP	GM205M	2950	2640	2350	2080	1830	1600
		5	GM223M3	223 Rem.	77	4.99	Sierra MatchKing BTHP	GM205M	2720	2480	2260	2040	1840	1650
		5	GM308M	308 Win. (7.62x51mm)	168	10.89	Sierra MatchKing BTHP	GM210M	2650	2460	2280	2100	1940	1780
		5	GM308M2	308 Win. (7.62x51mm)	175	11.34	Sierra MatchKing BTHP	GM210M	2600	2430	2260	2100	1950	1800
		5	GM3006M	30-06 Spring. (7.62x63mm)	168	10.89	Sierra MatchKing BTHP	GM210M	2700	2510	2320	2150	1980	1820
		5	GM300WM	300 Win. Magnum	190	12.31	Sierra MatchKing BTHP	GM215M	2900	2730	2560	2400	2240	2090

Abbreviation Key: BTHP = Boat Tail Hollow Point, HE = High Energy (Not for use in semi-automatic rifles), HV = Hyper-Velocity, ◇ = Nickel Plated Cases, SP = Soft Point.

= A portion of the proceeds from the sale of this product is donated to RMEF. = A portion of the proceeds from the sale of this product is donated to SCI. *Molycoat = Molybdenum Disulfide Dry Film Lubricant



FEDERAL® POWER-SHOK® AND 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)					
			GRAINS	GRAMS				100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	
FEDERAL® POWER-SHOK®													
	1	222A	222 Rem. (5.56x43mm)	50	3.24	Soft Point	205	3140	2710	2320	1960	1640	1370
	1	223A	223 Rem.	55	3.56	Soft Point	205	3240	2800	2400	2040	1710	1420
	1	223B	223 Rem.	55	3.56	Full Metal Jacket Boat-Tail	205	3240	2870	2540	2220	1930	1670
		223L	223 Rem.	64	4.15	Soft Point	205	3050	2680	2340	2030	1740	1490
	1	22250A	22-250 Rem.	55	3.56	Soft Point	210	3650	3170	2730	2340	1980	1660
	2	243AS	243 Win. (6.16x51mm)	80	5.18	Soft Point	210	3330	3050	2790	2540	2310	2090
	2	243B	243 Win. (6.16x51mm)	100	6.48	Soft Point	210	2960	2700	2450	2210	1990	1780
	2	6AS	6mm Rem.	80	5.18	Soft Point	210	3400	3120	2850	2600	2360	2140
	2	6B	6mm Rem.	100	6.48	Soft Point	210	3100	2830	2570	2330	2100	1880
	2	2506BS	25-06 Rem.	117	7.58	Speer Hot-Cor SP	210	3030	2770	2520	2280	2060	1850
	2	6555B	6.5x55 Swedish	140	9.07	Soft Point*	210	2650	2450	2260	2080	1900	1740
	2	270A	270 Win.	130	8.42	Soft Point	210	3060	2800	2560	2330	2110	1900
	2	270B	270 Win.	150	9.72	Soft Point RN	210	2830	2490	2170	1870	1610	1370
	2	270WSME	270 Win. Short Magnum	130	8.42	Soft Point	215	3250	2980	2720	2480	2250	2030
	2	7B	7mm Mauser (7x57mm Mauser)	140	9.07	Speer Hot-Cor SP	210	2660	2450	2260	2070	1890	1720
	2	7A	7mm Mauser (7x57mm Mauser)	175	11.34	Soft Point RN	210	2390	2090	1810	1560	1350	1180
	2	708CS	7mm-08 Rem.	150	9.72	Speer Hot-Cor SP	210	2650	2440	2240	2040	1860	1690
	2	280B	280 Rem.	150	9.72	Soft Point	210	2890	2670	2460	2250	2060	1880
	2	7RA	7mm Rem. Magnum	150	9.72	Soft Point	215	3110	2840	2590	2350	2120	1910
	3	7RB	7mm Rem. Magnum	175	11.34	Soft Point	215	2860	2650	2440	2250	2060	1880
	2	7WSME	7mm Win. Short Magnum	150	9.72	Soft Point	215	3100	2830	2580	2340	2110	1900
	1	30CA	30 Carbine	110	7.13	Soft Point RN	205	1990	1560	1230	1030	920	840
	2	76239B	7.62x39mm Soviet	123	7.97	Soft Point	210	2350	2060	1780	1540	1330	1160
		3030C	30-30 Win.	125	8.10	Hollow Point	210	2570	2080	1660	1310	1080	950
	2	3030A	30-30 Win.	150	9.72	Soft Point FN	210	2390	2020	1690	1400	1180	1040
	2	3030B	30-30 Win.	170	11.02	Soft Point RN	210	2200	1890	1620	1380	1190	1060
	2	300A	300 Savage	150	9.72	Soft Point	210	2630	2350	2090	1850	1630	1430
	2	300B	300 Savage	180	11.66	Soft Point	210	2350	2140	1930	1750	1570	1410
	2	308A	308 Win. (7.62x51mm)	150	9.72	Soft Point	210	2820	2530	2260	2010	1770	1560
	2	308B	308 Win. (7.62x51mm)	180	11.66	Soft Point	210	2570	2350	2130	1930	1740	1570
		3006CS	30-06 Spring. (7.62x63mm)	125	8.10	Soft Point	210	3140	2780	2450	2140	1850	1590
	2	3006A	30-06 Spring. (7.62x63mm)	150	9.72	Soft Point	210	2910	2620	2340	2080	1840	1620
	2	3006B	30-06 Spring. (7.62x63mm)	180	11.66	Soft Point	210	2700	2470	2250	2050	1850	1670
	2	3006HS	30-06 Spring. (7.62x63mm)	220	14.26	Speer Hot-Cor SP	210	2400	2120	1860	1620	1410	1240
	2	300WGS	300 Win. Magnum	150	9.72	Speer Hot-Cor SP	215	3150	2900	2660	2440	2220	2020
	3	300WBS	300 Win. Magnum	180	11.66	Speer Hot-Cor SP	215	2960	2750	2540	2350	2160	1980
	3	300WSMC	300 Win. Short Magnum	180	11.66	Soft Point	215	2980	2740	2500	2280	2080	1880
NEW	2	338FJ	338 Federal	200	12.96	Speer Uni-Cor Soft Point	210	2700	2480	2280	2080	1900	1720
	2	303B	303 British	150	9.72	Soft Point	210	2690	2440	2210	1990	1780	1590
	2	303AS	303 British	180	11.66	Speer Hot-Cor SP	210	2460	2210	1970	1740	1540	1360
	2	32A	32 Win. Special	170	11.02	Soft Point FN	210	2250	1920	1630	1380	1180	1050
	2	8A	8mm Mauser (8x57mm JS Mauser)	170	11.02	Soft Point	210	2250	2030	1810	1620	1440	1290
	2	C357G	357 Magnum	180	11.66	Hollow Point	100	1550	1280	1100	980	900	840
	2	35A	35 Rem.	200	12.96	Soft Point RN	210	2080	1700	1370	1140	1000	910
	3	375A	375 H&H Magnum	270	17.50	Soft Point	215	2690	2420	2160	1920	1700	1500
	3	375B	375 H&H Magnum	300	19.44	Soft Point	215	2530	2270	2020	1790	1580	1390
	2	C44A	44 Rem. Magnum	240	15.55	Hollow Point	150	1760	1390	1120	980	890	810
	2	4570AS	45-70 Government	300	19.44	Speer Hot-Cor HP	210	1850	1610	1400	1230	1100	1010
AMERICAN EAGLE®													
	5	AE223G	223 Rem.	50	3.24	Jacketed Hollow Point	205	3325	2840	2400	2010	1650	1360
	5	AEBP223G**	223 Rem.	50	3.24	Jacketed Hollow Point	205	3325	2840	2400	2010	1650	1360
	5	AE223	223 Rem.	55	3.56	Full Metal Jacket Boat-Tail	205	3240	2870	2540	2220	1930	1670
	5	AE223N	223 Rem.	62	4.02	Full Metal Jacket Boat-Tail	205	3020	2710	2430	2160	1900	1670
	5	AE30CB	30 Carbine	110	7.13	Full Metal Jacket	205	1990	1560	1230	1030	920	840
	5	A76239A	7.62x39mm Soviet	124	8.04	Full Metal Jacket	210	2350	2080	1820	1600	1390	1220
NEW	5	A76251M1A	7.62x51mm	168	10.89	Open Tip Match	210	2650	2460	2280	2100	1930	1770
	5	AE308D	308 Win. (7.62x51mm)	150	9.72	Full Metal Jacket Boat-Tail	210	2820	2600	2390	2180	1990	1810
	5	AE3006N	30-06 Spring. (7.62x63mm)	150	9.72	Full Metal Jacket Boat-Tail	210	2910	2680	2470	2260	2060	1880
NEW	5	AE3006M1	30-06 Spring. (7.62x63mm)	150	9.72	Full Metal Jacket	210	2740	2520	2310	2120	1930	1750

Abbreviation Key: FN = Flat Nose, HP = Hollow Point, **200 Round Bulk Pack RN = Round Nose, SP = Soft Point

RIFLE



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.		
MUZZLE	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	AVERAGE RANGE					LONG RANGE								
											50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.	50 YDS.	100 YDS.	200 YDS.	300 YDS.	400 YDS.	500 YDS.		
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		
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		
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		
1320	1020	780	585	430	315	1.2	4.9	11.8	22.6	38.2	-0.2	◆	-3.3	-13.1	0.6	1.7	◆	-8.1	-24.7	-53.2	24	223L		
1625	1225	915	670	480	335	1.1	4.6	10.9	21.1	35.8	-0.4	◆	-2.0	-8.6	0.1	1.0	◆	-5.7	-17.8	-39.2	24	22250A		
1970	1655	1380	1150	945	775	0.7	3.0	6.9	12.8	21.1	-0.3	◆	-2.2	-9.0	0.2	1.1	◆	-5.6	-16.6	-34.2	24	243AS		
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		
2055	1725	1445	1200	995	815	0.7	2.9	6.8	12.5	20.5	-0.3	◆	-2.1	-8.5	0.2	1.0	◆	-5.4	-15.8	-32.6	24	6AS		
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		
2385	1990	1650	1355	1105	890	0.8	3.4	8.0	14.9	24.4	-0.2	◆	-3.1	-11.6	0.5	1.5	◆	-7.0	-20.8	-42.5	24	2506BS		
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		
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		
2665	2055	1565	1165	860	630	1.3	5.4	12.8	24.9	41.7	-0.1	◆	-4.2	-15.7	0.9	2.1	◆	-9.4	-29.2	-62.6	24	270B		
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		
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		
2220	1695	1275	950	705	540	1.6	6.5	16.0	30.2	50.2	0.1	◆	-6.5	-23.7	1.7	3.2	◆	-14.1	-42.4	-90.4	24	7A		
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		
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		
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		
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		
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		
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		
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		
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		
1900	1360	945	650	465	360	2.0	8.6	20.8	40.0	65.9	0.1	◆	-7.2	-26.7	1.9	3.6	◆	-15.9	-50.1	-109.8	24	3030A		
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		
2305	1845	1460	1140	885	680	1.1	4.9	11.5	22.1	36.4	-0.1	◆	-4.8	-17.5	1.2	2.4	◆	-10.2	-31.1	-64.8	24	300A		
2205	1825	1495	1215	985	795	1.2	4.5	10.9	20.5	33.3	0.1	◆	-6.1	-21.6	1.6	3.0	◆	-12.5	-36.5	-74.4	24	300B		
2650	2135	1700	1340	1045	805	1.1	4.4	10.4	19.7	32.9	-0.1	◆	-3.9	-14.7	0.8	2.0	◆	-8.8	-26.3	-55.2	24	308A		
2640	2195	1815	1485	1210	980	0.9	4.1	9.4	17.8	29.4	0.0	◆	-4.9	-17.3	1.2	2.4	◆	-10.0	-29.5	-60.7	24	308B		
2735	2145	1660	1265	950	705	1.0	4.5	10.8	20.4	34.6	-0.3	◆	-3.0	-11.9	0.5	1.5	◆	-7.4	-22.3	-48.0	24	3006CS		
2820	2280	1825	1440	1125	875	1.0	4.2	10.0	18.7	31.4	-0.2	◆	-3.6	-13.6	0.7	1.8	◆	-8.2	-24.4	-51.3	24	3006A		
2915	2440	2025	1670	1365	1110	0.9	3.7	8.8	16.2	27.0	-0.1	◆	-4.2	-15.3	1.0	2.1	◆	-9.0	-26.2	-54.0	24	3006B		
2815	2195	1690	1285	975	750	1.5	5.9	14.6	27.3	45.4	0.1	◆	-6.2	-22.7	1.7	3.1	◆	-13.5	-40.0	-84.5	24	3006HS		
3305	2800	2360	1975	1645	1355	0.7	3.0	6.9	12.9	21.1	-0.3	◆	-2.7	-10.2	0.4	1.3	◆	-6.2	-18.3	-37.5	24	300WGS		
3500	3015	2580	2200	1865	1570	0.7	2.9	6.6	12.3	20.0	-0.2	◆	-3.1	-11.6	0.6	1.6	◆	-6.9	-20.3	-41.0	24	300WBS		
3550	2990	2505	2085	1720	1410	0.8	3.2	7.6	14.2	23.0	-0.2	◆	-3.2	-11.9	0.6	1.6	◆	-7.1	-21.0	-42.7	24	300WSMC		
3235	2740	2305	1925	1595	1315	0.8	3.4	8.2	15.0	24.9	-0.1	◆	-4.1	-15.0	0.9	2.1	◆	-8.8	-25.5	-52.2	24	338FJ		
2410	1985	1625	1315	1055	840	0.9	4.1	9.7	18.0	30.0	-0.1	◆	-4.4	-15.9	1.0	2.2	◆	-9.3	-27.4	-56.9	24	303B		
2420	1945	1545	1215	950	740	1.2	5.1	12.2	23.0	37.9	0.1	◆	-5.7	-20.4	1.5	2.8	◆	-11.9	-35.3	-73.6	24	303AS		
1910	1395	1000	715	525	415	1.8	8.4	20.1	38.3	62.5	0.2	◆	-8.1	-29.3	2.3	4.0	◆	-17.2	-53.1	-114.4	24	32A		
1910	1550	1240	990	785	630	1.3	5.3	12.8	23.7	39.1	0.2	◆	-6.9	-24.8	1.9	3.5	◆	-14.3	-41.6	-86.1	24	8A		
960	655	480	385	325	285	3.5	14.2	31.2	53.4	79.9	1.5	◆	-19.7	-68.1	6.4	9.9	◆	-38.5	-111.9	-225.7	18	C357G		
1920	1280	840	575	445	370	2.8	12.0	29.1	53.5	83.6	0.5	◆	-10.7	-40.2	3.2	5.4	◆	-24.1	-75.1	-159.2	24	35A		
4340	3505	2805	2215	1735	1350	1.0	4.6	10.7	20.4	33.9	-0.1	◆	-4.5	-16.4	1.0	2.3	◆	-9.6	-28.9	-60.3	24	375A		
4265	3425	2720	2135	1665	1295	1.2	5.0	11.8	22.5	37.1	0.0	◆	-5.3	-19.1	1.3	2.6	◆	-11.1	-33.5	-69.5	24	375B		
1650	1025	670	510	415	350	3.9	16.5	37.1	64.0	96.4	1.0	◆	-16.8	-60.9	5.2	8.4	◆	-35.6	-106.0	-217.7	20	C44A		
2280	1730	1305	1000	800	680	2.3	8.8	20.7	37.8	59.5	0.7	◆	-11.9	-41.7	3.7	5.9	◆	-23.9	-71.0	-146.8	24	4570AS		
1225	895	640	445	305	205	1.3	5.6	13.8	27.1	46.5	-0.3	◆	-2.8	-11.8	0.4	1.4	◆	-7.5	-24.0	-53.7	24	AE223G		
1225	895	640	445	305	205	1.3	5.6	13.8	27.1	46.5	-0.3	◆	-2.8	-11.8	0.4	1.4	◆	-7.5	-24.0	-53.7	24	AEBP223G		
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	AE223		
1255	1015	810	640	500	385	1.0	4.0	9.7	18.1	30.4	-0.2	◆	-3.2	-12.4	0.6	1.6	◆	-7.6	-22.6	-47.6	24	AE223N		
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	AE30CB		
1520	1190	915	700	535	410	1.5	6.0	14.7	27.6	45.7	0.1	◆	-6.5	-23.8	1.8	3.3	◆	-14.0	-41.5	-87.5	20	A76239A		
2620	2255	1930	1645	1395	1175	0.7	3.1	7.4	13.5	22.1	-0.1	◆	-4.3	-15.3	1.0	2.1	◆	-8.9	-25.5	-51.6	24	A76251M1A		
2650	2245	1895	1585	1320	1090	0.8	3.3	7.8	14.4	23.3	-0.2	◆	-3.6	-13.5	0.8	1.8	◆	-8.0	-23.3	-47.2	24	AE308D		
2820	2395	2025	1700	1420	1175	0.8	3.2	7.4	13.7	22.2	-0.2	◆	-3.3	-12.4	0.6	1.7	◆	-7.4	-21.7	-43.8	24	AE3006N		
2500	2120	1785	1490	1240	1020	0.8	3.4	8.0	14.7	24.3	-0.1	◆	-4.0	-14.5	0.9	2.0	◆	-8.6	-24.7	-50.5	24	AE3006M1		

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.



PREMIUM® PERSONAL DEFENSE®



UNFALTERING PERFORMANCE

Personal defense situations aren't planned. They come on without warning and are decided in a matter of seconds. You need ammunition that will perform every time. This year we introduce .410 shotshells designed especially for the Judge that make perfect sense for personal defense. In addition, momentum for the .327 Federal Magnum we introduced last year remains strong. Built on the .32 platform, it gives shooters .357 Magnum like ballistics without the recoil. Also due to popular demand, NyClad® is back. This proven bullet provides reliable accuracy and increased stopping power.



Target and gelatin shot with PD412JGE 000 load, .410 gauge 2½" 000 Buck, 4 pellets in the Taurus Judge at 5 yards.

PREMIUM® .410 HANDGUN LOAD SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT SIZES	TEST BARREL LENGTH INCHES
FEDERAL PREMIUM® .410 HANDGUN LOAD						
NEW▶ PD412JGE 000	410	2½	64	1200	4 pellets-000 Buck	3
NEW▶ PD412JGE 4	410	2½	64	1200	7/16 oz.-4	3

Muzzle velocities measured from the Judge handgun.



HANDGUN SHOTSHELLS FOR PERSONAL DEFENSE

The distances at which most personal defense scenarios are played out are extremely close. Therefore, shotshell loads for handguns make real sense. Our new .410 2-1/2" loads were developed especially for the Judge from Taurus. They pattern well and give you excellent penetration. Available in both 000 buck and a #4 option.





PREMIUM® HANDGUN 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)					TRAJECTORY SIGHTS, INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES
		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® PERSONAL DEFENSE®																				
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
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
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
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
NEW P38MA	38 Special	125	8.10	Nyclad HP	100	830	780	730	680	640	190	165	145	130	115	◆	-2.7	-9.5	-21.1	2-V
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	-13.0	4-V
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
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
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
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
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
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
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
P45HS1	45 Auto	230	14.90	Hydra-Shok JHP	150	900	880	870	850	830	415	395	380	365	355	◆	-1.9	-6.7	-14.6	5
FEDERAL PREMIUM® PERSONAL DEFENSE® LOW RECOIL																				
PD327HS1 H	327 Federal Magnum	85	5.51	Hydra-Shok JHP	205	1400	1310	1220	1150	1090	370	320	280	250	225	◆	-0.4	-2.2	-5.7	4-V
PD380HS1 H	380 Auto (9x17mm Short)	90	5.83	Hydra-Shok JHP	100	1000	950	910	880	850	200	180	165	155	145	◆	-1.5	-5.6	-12.5	3.75
PD9CSP2 H	9mm Luger (9x19mm Parabellum)	105	6.80	EFMJ	200	1230	1140	1070	1010	970	355	305	265	240	220	◆	-0.8	-3.4	-8.2	4
PD9HS5 H	9mm Luger (9x19mm Parabellum)	135	8.75	Hydra-Shok JHP	200	1060	1030	1000	970	950	335	315	300	280	270	◆	-1.2	-4.5	-10.2	4
PD38HS3 H	38 Special	110	7.13	Hydra-Shok JHP	100	980	940	910	880	860	235	215	205	190	180	◆	-1.5	-5.7	-12.6	4-V
PD357HS2 H	357 Magnum	130	8.42	Hydra-Shok JHP	100	1410	1330	1260	1190	1140	575	510	455	410	375	◆	-0.3	-2.0	-5.2	4-V
PD40CSP2 H	40 S&W	135	8.75	EFMJ	100	1200	1110	1040	990	940	430	370	325	290	265	◆	-0.9	-3.7	-8.8	4
PD40HS4 H	40 S&W	135	8.75	Hydra-Shok JHP	100	1200	1120	1050	1000	960	430	375	330	300	275	◆	-0.8	-3.7	-8.6	4
PD45G1 H	45 G.A.P.	185	11.99	Hydra-Shok JHP	200	1090	1050	1010	970	950	490	450	415	390	365	◆	-1.1	-4.3	-9.8	5
PD45HS3 H	45 Auto	165	10.69	Hydra-Shok JHP	150	1060	1010	980	940	910	410	375	350	325	305	◆	-1.2	-4.7	-10.6	5
PD45CSP2 H	45 Auto	165	10.69	EFMJ	150	1140	1080	1030	990	950	475	425	390	360	335	◆	-1.0	-4.0	-9.2	5

Abbreviation Key: EFMJ = Expanding Full Metal Jacket, JHP = Jacketed Hollow Point
 These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal behavior of each load at standard conditions (59°F temperature; barometric pressure of 29.53 inches; altitude at sea level). Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights and ammunition.



PREMIUM[®] VITAL•SHOK[®]



SHORT-BARRELED FIREARMS FOR BIG GAME

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[®] offers the all copper Barnes[®] Expander[®] for superior expansion, maximum energy transfer on target and ideal performance on deer. Another option is always 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.

WE ARE THE 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. The NRA's most recent push urges gun owners to "Insure Your Gun Rights", and we couldn't agree more. There's never been a better time to join. Federal supports those groups that keep our sport strong. Join the NRA today at www.nra.org.





CastCore®



Barnes® Expander®

PREMIUM® HANDGUN 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)					TRAJECTORY SIGHTS 9 INCHES ABOVE BORE LINE				TEST BARREL LENGTH INCHES
		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®																				
P357XB1	357 Magnum	140	9.07	Barnes Expander	100	1400	1330	1260	1200	1140	610	545	490	445	405	◆	-0.3	-2.0	-5.3	6-V
P357J	357 Magnum	180	11.66	CastCore	100	1130	1090	1060	1030	1000	510	475	450	425	400	◆	-0.9	-3.8	-8.7	6-V
P41XB1	41 Rem. Magnum	180	11.66	Barnes Expander	150	1340	1260	1190	1130	1080	720	635	570	515	470	◆	-0.5	-2.5	-6.1	6-V
P41B	41 Rem. Magnum	250	16.20	CastCore	150	1160	1120	1090	1050	1030	745	695	655	615	585	◆	-0.8	-3.5	-8.1	6-V
P44XB1	44 Rem. Magnum	225	14.58	Barnes Expander	150	1280	1210	1150	1100	1050	820	730	660	600	555	◆	-0.6	-2.8	-6.9	6-V
P44E	44 Rem. Magnum	300	19.44	CastCore	150	1160	1120	1090	1050	1030	895	835	785	740	700	◆	-0.8	-3.5	-8.1	6-V
P454XB1	454 Casull	250	16.20	Barnes Expander	205	1530	1420	1330	1240	1170	1300	1125	975	850	755	◆	-0.2	-1.6	-4.4	5.7-V
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
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
P500XB1	500 S&W	275	17.82	Barnes Expander	210	1660	1540	1440	1340	1250	1680	1455	1255	1090	950	◆	0.0	-1.1	-3.4	8.4-V

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. Expander is a registered trademark of Barnes® Bullets, Inc.



PREMIUM® GOLD MEDAL®



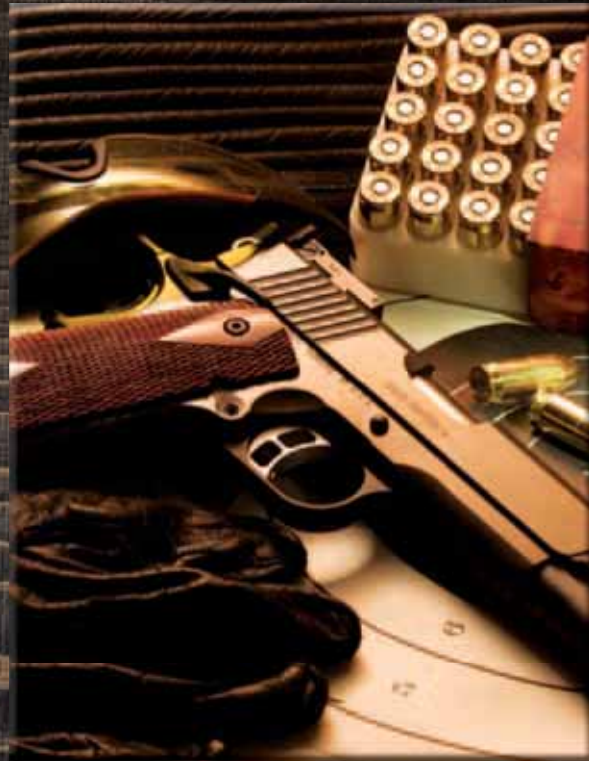
GOLD MEDAL® FOR THE TRUE COMPETITOR.

For the real competition shooter, there is no better choice than Federal Premium® Gold Medal® Match ammunition. We combine top-of-the-line Gold Medal primers and our heralded brass for unmatched performance. Practice is one thing, but when competition time comes around, there's no room for error. You want a load that will perform when you need it most. Impeccable shot placement, as well as superb ammunition performance, leads to the winner's circle. Our Lead Wadcutter, Full Metal Jacket and Full Metal Jacket Semi-Wadcutter Match bullets are unequalled in match-grade performance. Choose from our .38 Special and two .45 Auto pistol loads to seal your victory.

COMPETITIVE SHOOTING PROGRAMS.

Whether you're toeing the line next to your shooting partner at the range, or at one of today's most prestigious handgun events, a little competition is a good thing. And no matter what's at stake, Gold Medal® was created for competition. For those looking to become more involved, the NRA's Competitive Shooting Division offers a wide range of activities in all types of shooting, for everyone from the novice to the world-class competitor. The NRA sanctions over 10,000 shooting tournaments and sponsors over 50 national championships each year. To learn more, log on to www.nra.org.





Gold Medal Match Pistol's award-winning accuracy—
5 shots at 25 yards

PREMIUM® HANDGUN 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)					TRAJECTORY			TEST BARREL LENGTH INCHES	
		GRAINS	GRAMS			MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	MUZZLE	25 YDS.	50 YDS.	75 YDS.	100 YDS.	SIGHTS	9 INCHES ABOVE BORE LINE	25 YDS.		50 YDS.
FEDERAL PREMIUM® GOLD MEDAL®																				
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
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
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

Abbreviation Key: FMJ = Full Metal Jacket, SWC= Semi-Wadcutter

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® AND AMERICAN EAGLE® HANDGUN BALLISTICS

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®

These are 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 feature 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. We even have the .327 Federal Magnum available in American



Eagle®. Get to know this exciting caliber by getting more shots at the range for your money. Look for new packaging in 2009.

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN	
			GRAINS	GRAMS
FEDERAL® POWER•SHOK®				
2	C357G	357 Magnum	180	11.66
2	C41A	41 Rem. Magnum	210	13.61
2	C44B	44 Rem. Magnum	180	11.66
2	C44A	44 Rem. Magnum	240	15.55
FEDERAL® PERSONAL DEFENSE® REVOLVER				
6	C32HRB	32 H&R Magnum	85	5.51
6	C357B	357 Magnum	125	8.10
6	C357E	357 Magnum	158	10.24
FEDERAL® PERSONAL DEFENSE® AUTOMATIC PISTOL				
6	C9BP	9mm Luger (9x19mm Parabellum)	115	7.45
6	C40SWA	40 S&W	180	11.66
6	C45C	45 Auto	185	11.99
6	C45D	45 Auto	230	14.90
FEDERAL® CHAMPION™				
5	C32LA	32 S&W Long	98	6.35
5	C32LB	32 S&W Long	98	6.35
5	C32HRA	32 H&R Magnum	95	6.16
5	C44SA	44 Special	200	12.96
5	C45LCA	45 Colt	225	14.58
AMERICAN EAGLE®				
5	AE25AP	25 Auto (6.35mm Browning)	50	3.24
5	AE32AP	32 Auto (7.65mm Browning)	71	4.60
5	AE327	327 Federal Magnum	100	6.48
5	AE380AP	380 Auto (9x17mm Short)	95	6.16
5	AE9MK	9mm Makarov (9x18mm Makarov)	95	6.16
5	AE9DP	9mm Luger (9x19mm Parabellum)	115	7.45
5	AE9AP	9mm Luger (9x19mm Parabellum)	124	8.04
5	AE9FP	9mm Luger (9x19mm Parabellum)	147	9.53
5	AE38S1	38 Super +P (HV)	130	8.42
5	AE357S2	357 Sig	125	8.10
5	AE38K	38 Special	130	8.42
5	AE38B	38 Special	158	10.24
5	AE357A	357 Magnum	158	10.24
5	AE40R2	40 S&W	155	10.04
5	AE40R3	40 S&W	165	10.69
5	AE40R1	40 S&W	180	11.66
5	AE10A	10mm Auto	180	11.66
5	AE44A	44 Rem. Magnum	240	15.55
5	AE44B	44 Rem. Magnum	240	15.55
5	AE45GA	45 G.A.P.	185	11.99
5	AE45GB	45 G.A.P.	230	14.90
5	AE45A	45 Auto	230	14.90
AMERICAN EAGLE® IRT				
5	AE9N1	9mm Luger (9x19mm Parabellum)	124	8.04
5	AE9N2	9mm Luger (9x19mm Parabellum)	147	9.53
5	AE40N1	40 S&W	180	11.66
5	AE45N1	45 Auto	230	14.90

Abbreviation Key: FMJ = Full Metal Jacket, JHP = Jacketed Hollow Point, TMF = Toxic Metal Free, TMJ = Totally Encapsulated Bullet

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
		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.	
JHP	100	1080	1050	1020	1000	970	465	440	415	395	380	◆	-1.1	-4.2	-9.6	4-V
JHP	150	1230	1170	1120	1080	1040	705	640	585	545	505	◆	-0.7	-3.1	-7.3	4-V
JHP	150	1460	1340	1240	1160	1090	850	720	615	535	470	◆	-0.3	-2.0	-5.4	4-V
JHP	150	1230	1170	1120	1070	1040	805	730	665	615	570	◆	-0.7	-3.1	-7.4	4-V
JHP	100	1120	1070	1020	990	950	235	215	195	185	170	◆	-1.0	-4.1	-9.4	5
JHP	100	1440	1340	1240	1160	1100	575	495	425	375	335	◆	-0.3	-2.1	-5.4	4-V
JHP	100	1240	1190	1140	1100	1060	540	495	455	425	395	◆	-0.6	-3.0	-7.1	4-V
JHP	200	1180	1110	1050	1000	960	355	310	280	255	235	◆	-0.9	-3.7	-8.7	4
JHP	100	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4
JHP	150	950	920	900	880	860	370	350	330	315	300	◆	-1.7	-6.0	-13.1	5
JHP	150	850	830	820	800	790	370	355	345	330	320	◆	-2.2	-7.7	-16.4	5
Lead Wadcutter	100	780	720	670	620	570	130	115	95	80	70	◆	-3.3	-11.5	-25.4	5.3
Lead Round Nose	100	780	760	750	730	720	130	125	120	115	115	◆	-2.9	-9.6	-20.4	5.3
Lead Semi-Wadcutter	100	1020	970	930	890	860	220	200	180	170	155	◆	-1.4	-5.3	-12.0	5
Semi-Wadcutter HP	150	870	850	830	810	790	335	320	305	290	275	◆	-2.1	-7.4	-16.0	4-V
Semi-Wadcutter HP	150	830	810	790	780	760	345	330	315	300	290	◆	-2.4	-8.2	-17.7	4-V
Full Metal Jacket	200	760	740	720	700	680	65	60	55	55	50	◆	-3.1	-10.4	-22.1	2
Full Metal Jacket	100	900	870	850	820	800	130	120	115	105	100	◆	-2.0	-7.0	-15.2	4
Soft Point	205	1500	1410	1320	1250	1180	500	440	390	345	310	◆	-0.2	-1.6	-4.5	4-V
Full Metal Jacket	100	980	940	900	870	840	205	185	170	160	145	◆	-1.6	-5.8	-13.0	3.75
Full Metal Jacket	100	1000	960	920	890	860	210	195	180	165	155	◆	-1.5	-5.5	-12.3	3.75
Full Metal Jacket	200	1180	1110	1050	1000	960	355	310	280	255	235	◆	-0.9	-3.7	-8.7	4
Full Metal Jacket	200	1150	1100	1050	1010	980	365	330	305	280	265	◆	-0.9	-3.8	-8.8	4
FMJ Flat Point	200	1000	980	950	930	910	325	310	295	285	275	◆	-1.4	-5.2	-11.5	4
Full Metal Jacket	200	1200	1140	1100	1050	1020	415	375	345	320	300	◆	-0.8	-3.3	-7.9	5
Full Metal Jacket	200	1350	1270	1190	1130	1080	505	445	395	355	325	◆	-0.5	-2.4	-6.1	4
Full Metal Jacket	100	810	790	780	760	750	190	180	175	170	160	◆	-2.5	-8.7	-18.6	4-V
Lead Round Nose	100	770	760	750	730	720	210	200	195	190	185	◆	-2.9	-9.8	-20.7	4-V
Jacketed Soft Point	100	1240	1190	1140	1100	1060	540	495	455	425	395	◆	-0.6	-3.0	-7.1	4-V
Full Metal Jacket	100	1160	1100	1040	1000	960	465	415	375	345	320	◆	-0.9	-3.8	-8.9	4
Full Metal Jacket	100	1130	1080	1040	1000	970	470	425	390	365	340	◆	-1.0	-4.0	-9.1	4
Full Metal Jacket	100	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4
Full Metal Jacket	150	1030	1000	970	950	920	425	400	375	355	340	◆	-1.3	-4.9	-10.9	5
JHP	150	1230	1170	1120	1070	1040	805	730	665	615	570	◆	-0.7	-3.1	-7.4	4-V
Jacketed Soft Point	150	1270	1200	1150	1100	1060	860	770	700	640	595	◆	-0.6	-2.9	-6.9	4-V
Full Metal Jacket	200	1090	1050	1010	970	950	490	450	415	390	365	◆	-1.1	-4.3	-9.8	5
Full Metal Jacket	200	880	860	850	830	820	395	380	365	355	340	◆	-2.0	-7.1	-15.3	5
Full Metal Jacket	150	890	870	860	840	820	405	390	375	360	345	◆	-2.0	-6.9	-15.0	5
TMJ	205TMF	1120	1070	1030	990	960	345	315	290	270	255	◆	-1.0	-4.0	-9.3	4
TMJ	205TMF	1000	980	950	930	910	325	310	295	285	275	◆	-1.4	-5.2	-11.5	4
TMJ	205TMF	1000	970	950	920	900	400	375	360	340	325	◆	-1.4	-5.3	-11.6	4
TMJ	205TMF	850	830	820	800	790	370	355	345	330	320	◆	-2.2	-7.7	-16.4	5

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.



PREMIUM® VITAL·SHOK® SLUGS



CONTINUING THE REVOLUTION

A few years back, Federal Premium® brought shotgunners the Shotshell Revolution®. This was headlined by several products that made noteworthy improvements. Two major introductions that distinguished the Shotshell Revolution included the FLITECONTROL® wad and the TruBall® slug. Both of these products featured unique delivery systems never before seen in the shotshell arena and instantly improved turkey and deer loads, respectively. Since then, we've seen numerous new offerings spawn from the advancements made. Innovations such as Black Cloud® and the Barnes® Tipped Expander are just a few examples of how the Shotshell Revolution has continued. Before the Shotshell Revolution, improvements across the industry were minimal, and few and far between.



GETTING THE MOST FROM YOUR SHOTGUN

Slug hunters used to give up quite a bit of accuracy and effective range to their rifle counterparts. Today barrel and slug technology has closed that gap. We take slug load development very seriously, and have introduced some tremendous new products over the last few years. The Barnes® Tipped Expander® has proven a legitimate 200-yard performer and gets 150% expansion. We still have the Barnes Expander Sabot Slug, as well as the TruBall® Rifled Slug. This slug remains unmatched in smoothbore accuracy.

PREMIUM® SLUG BALLISTICS

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE
			INCHES	MM	
FEDERAL PREMIUM® VITAL·SHOK® BARNES® EXPANDER™ SABOT SLUGS					
2	P151 XS	12	3	76	Barnes Sabot
2	P152 XS	12	2¾	70	Barnes Sabot
2	P150 XS	12	2¾	70	Barnes Sabot
2	P209 XS	20	3	76	Barnes Sabot
2	P208 XS	20	2¾	70	Barnes Sabot
FEDERAL PREMIUM® VITAL·SHOK® BARNES® EXPANDER™ TIPPED SABOT SLUGS					
2	P151 XT1	12	3	76	Barnes Tipped Sabot
2	P152 XT1	12	2¾	70	Barnes Tipped Sabot
2	P209 XT1	20	3	76	Barnes Tipped Sabot
FEDERAL PREMIUM® VITAL·SHOK® TRUBALL™ RIFLED SLUGS					
2	PB127 LRS*	12	2¾	70	TruBall Rifled Slug
2	PB127 RS	12	2¾	70	TruBall Rifled Slug
2	PB203 RS	20	2¾	70	TruBall Rifled Slug

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



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



NOTE: For optimum slug performance, we recommend matching the chamber length to the slug length. For example, use a 3 inch slug in a 3 inch chamber.

TRUBALL® DELIVERS A DEADLY IMPROVEMENT IN SMOOTHBORE ACCURACY



Federal Premium® TruBall® is capable of taking the 5-shot 4.5" spread of conventional smoothbore slugs and shrinking it to 1.4" at 50 yards.
4" test targets were shot with a Remington 870 cylinder bore. Results may vary.

	SLUG WEIGHT		MUZZLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					MUZZLE	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
	OUNCES	GRAINS		25 YDS.	50 YDS.	100 YDS.	150 YDS.	200 YDS.		25 YDS.	50 YDS.	100 YDS.	150 YDS.	200 YDS.	25 YDS.	50 YDS.	100 YDS.	150 YDS.	200 YDS.	
(Fully Rifled Slug Barrel)																				
1	438	1530	1460	1390	1270	1170	--	2275	2070	1885	1575	1340	--	1.3	2.0	◆	-7.3	--	30	
¾	328	1900	1790	1690	1490	1320	--	2630	2335	2070	1620	1275	--	0.7	1.3	◆	-5.2	--	30	
1	438	1450	1380	1320	1210	1120	--	2040	1860	1695	1425	1220	--	1.4	2.2	◆	-8.2	--	30	
5/8	275	1900	1800	1710	1530	1370	--	2190	1970	1770	1420	1140	--	0.7	1.2	◆	-5.0	--	30	
5/8	275	1600	1510	1430	1290	--	--	1555	1390	1245	1005	--	--	1.2	1.9	◆	-7.1	--	30	
(Fully Rifled Slug Barrel)																				
¾	325	1900	1820	1750	1600	1470	1340	2630	2415	2215	1865	1560	1315	-1.4	2.7	3.0	◆	-7.2	30	
¾	325	1900	1820	1750	1600	1470	1340	2630	2415	2215	1865	1560	1315	-1.4	2.7	3.0	◆	-7.2	30	
5/8	275	1900	1810	1730	1560	1420	1290	2190	1990	1810	1485	1220	1005	-1.5	2.8	3.2	◆	-7.6	30	
(Smoothbore Barrel)																				
1	438	1300	1150	1040	910	--	--	1640	1275	1055	805	--	--	0.6	◆	-7.4	--	--	30	
1	438	1600	1370	1180	970	--	--	2485	1810	1355	915	--	--	0.3	◆	-5.7	--	--	30	
¾	325	1600	1390	1220	1010	--	--	1865	1410	1090	745	--	--	0.3	◆	-5.3	--	--	30	

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. Expander is a registered trademark of Barnes® Bullets, Inc.



PREMIUM[®] VITAL·SHOK[®] BUCKSHOT AND V·SHOK[®] COYOTE LOAD



SHOTGUNNING FOR COYOTES

Say the word coyote, and almost anyone can picture these wily predators. With a few exceptions, they are sought after everywhere in the United States. From the far northeast to the dry and hot southwest, coyotes walk the hills and fields. In some areas of the U.S., long shots are not only possible, but the only option. Other spots mean 30 yard shots are the most you'll get. If you hunt coyotes in the thick cover, or like to call them in close, this new load is for you. The 12 gauge 3" option is loaded with a 1-1/2 oz payload of HEAVYWEIGHT[®] BB that no coyote in their right mind wants a part of. This super-dense non-toxic shot moves along at 1350 feet per second, plenty fast to catch up to those cautious predators.



EVEN MORE VERSATILITY

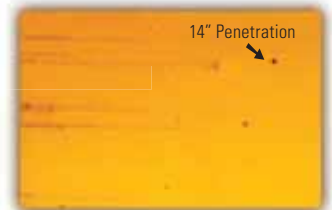
New for this year, we introduce our Federal Premium[®] V-Shok[®] Coyote loads. The FLITECONTROL[®] wad combined with HEAVYWEIGHT[®] shot provides the platform for this devastating load. This marks the first time we have a shotgun load designed especially for predators. Both the new coyote load and the existing lead buckshot lines now feature the unique rear-braking wad. This versatile component has turned shotshell technology 180 degrees. As the target and gel block show, patterns and penetration are devastating.



Photo taken 12 feet from muzzle.



PHC120 BB with full choke at 40 Yards. Target and gelatin shot with Rem. 1100.



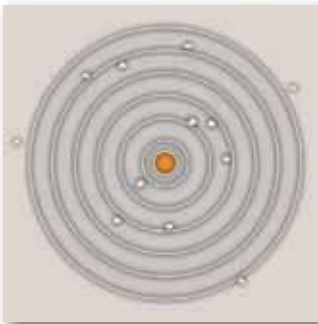
PREMIUM HEAVYWEIGHT COYOTE SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM[®] V·SHOK[®] HEAVYWEIGHT COYOTE WITH FLITECONTROL[®] WAD							
NEW PHC120	12	3	76	1350	1½	42.52	BB



MORE CONTROL FOR YOUR BUCKSHOT

These days, all buckshot is not created equal. The Federal Premium® Vital-Shok Buckshot with the FLITECONTROL® wad stands all alone when it comes to performance. This unique and revolutionary delivery system optimizes patterns and performance.



PFC157 00 with full choke
12/12 Hits at 30 Yards
12" target shot with Rem. 870



FLITECONTROL® wad at
10 feet from muzzle

PREMIUM® BUCKSHOT SPECIFICATIONS

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

NOTE: With FLITECONTROL, best performance achieved with chokes that do not strip wad or reduce muzzle pressure.

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





BLACK CLOUD® FS STEEL™



MORE POWERFUL THAN EVER



When Black Cloud appeared on the horizon, the prospects were good. It showed great performance from the start. But what has transpired over the last two years is incredible. Never have duck and goose hunters seen such bone-crushing performance from a steel product. The Duck Commander and his boys have been there from the beginning, but we're guessing even Phil is impressed with the wild ride this storm has given them. Even more hunters will get caught up in the turbulence this year, as 10 and 20 gauge offerings are now available. The excuses that you've got a big 'ol goose gun, or don't prefer the recoil of the 12 gauge don't fly anymore. And if ducks and geese know what's good for them, they'll stay grounded too. www.blackcloudammo.com

MORE STORMS ON THE HORIZON

Unbelievable. There is just no other way to describe Black Cloud® and what it has done to waterfowl, and waterfowlers everywhere. The energy around this load is in uncharted waters. The industry has never seen anything like it. If you have yet to shoot it all it takes is one shot, and you'll know what all the hype is about. The FLITECONTROL® wad combined with a payload of 40% FS Steel™ and 60% Premium Steel takes steel performance to a whole new level. This year, the storm re-energizes. Even the choke companies are getting in on the action. Several leading companies now offer Black Cloud specific chokes. New for 2009, get your hands on both the 10 and 20-gauge loads that are now available. Again this year, look for the special edition Duck commander #3 loads in black packaging.



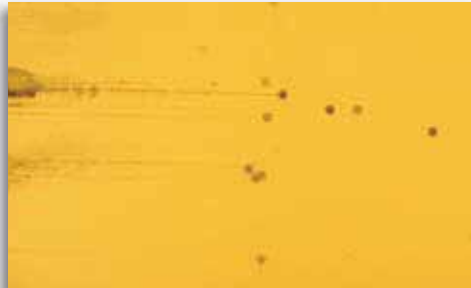


THE BLACK CLOUD® ADVANTAGE



CONSISTENT EDGE TO EDGE PATTERNS

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)



STANDARD STEEL SHOT

Amazing 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.



BLACK CLOUD WITH FLITESTOPPER STEEL SHOT



BLACK CLOUD® FS STEEL™ SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
BLACK CLOUD® FS STEEL™							
NEW ▶ PWB107	10	3½	89	1375	1⅞	46.07	BB, 2
PWB134	12	3½	89	1500	1½	42.52	BBB, BB, 2, 4
PWB142	12	3	76	1450	1¼	35.44	BBB, BB, 2, 3, 4
NEW ▶ PWB146	12	2¾	70	1500	1	28.35	3,4
NEW ▶ PWB209	20	3	76	1350	1	28.35	2,4

NOTE: Best performance achieved with steel chokes that do not strip wad or reduce muzzle pressure.








PREMIUM® ULTRA-SHOK® WATERFOWL STEEL



PRESERVING THE LEGACY

The sound of ducks riding a stiff breeze on a cool crisp morning never gets old. It's the reason we dream about ducks all year. And a reminder to study our species and break out the call in the off-season. And of course it's the reason we listened so intently the first time grandpa described it to us. Now that we know, it's our job to carry it on. When you head out to the blind, make sure you've got the heaviest, fastest steel loads you can get. Our Premium® Heavy High Velocity and High Velocity Ultra-Shok™ loads scream out of the barrel and set the bar for standard steel loads.

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	2, 4	6
	12, 16, 20	30+	IC/M/F	1, 2, 3, 4	2, 4	6
 SMALL DUCKS (Teal, Bufflehead)	12, 16, 20	20-30	IC/M/F	3, 4, 6	2, 4	6
	12, 16, 20	30+	IC/M/F	3, 4	2, 4	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

KEEP THE DREAM ALIVE

There's no greater thrill than calling in a group of ducks or geese in that early morning light. Waterfowling is a favorite pastime, and we need to keep it that way. Ducks Unlimited has been working hard to ensure we do. One of their recent successes has been the *Grasslands for Tomorrow* initiative. Projects like this have helped DU conserve over 12 million acres of vital habitat in their 70-year existence. With Federal Premium, every box of Ultra-Shok™ ammunition you buy gives money directly to DU. Learn more ways to help the fight at www.ducks.org.





SHOTSHELL SPECIFICATIONS



FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM® ULTRA-SHOK® HEAVY HIGH VELOCITY							
PW107	10	3½	89	1450	1½	42.53	T, BBB, BB, 2
PW134	12	3½	89	1500	1½	42.53	T, BBB, BB, 2, 4
PW142	12	3	76	1450	1¼	35.44	T, BBB, BB, 2, 3, 4
PW145	12	2¾	70	1375	1¼	35.44	BB, 2, 3, 4
FEDERAL PREMIUM® ULTRA-SHOK® HIGH VELOCITY							
PW133	12	3½	89	1550	1⅝	38.98	T, BBB, BB, 2, 4
PW143	12	3	76	1550	1⅝	31.90	T, BBB, BB, 2, 3, 4
PW168	16	2¾	70	1350	1⅝	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



The purchase of every box of Ultra-Shok gives money directly to the DU Grasslands for Tomorrow initiative.

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



PREMIUM® ULTRA-SHOK® WATERFOWL HIGH DENSITY® AND HEAVYWEIGHT®



PURE PERFORMANCE. NO QUESTIONS

When you take to the blind, you want the best ammunition money can buy. Lucky for you, the only choice is what non-tox product you prefer. Our Ultra-Shok™ line carries both High Density® and HEAVYWEIGHT® options. High Density represents the perfect combination of density, hardness and velocity. The speeds are equivalent to steel, and the downrange energy is high to make these loads ideal for waterfowl. The consistent shot also sports a band around the edge that increases surface area for improved lethality. When you want the densest shot commercially loaded, go right for the HEAVYWEIGHT®. At 15 g/cc on the density scale, these pellets are twice as dense as steel. You get the energy of a steel #3 in HEAVYWEIGHT #6, but with 55 more pellets. Have we said enough?

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: 7 g/cc • Tungsten-Iron (High Density®): 10 g/cc • Tungsten-based HEAVYWEIGHT: 15 g/cc



SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL PREMIUM® ULTRA-SHOK® HIGH DENSITY®							
PHD106	10	3½	89	1400	1⅝	46.07	BB, 2
PHD195	12	3½	89	1450	1⅝	46.07	BB, 2, 4
PHD197	12	3	76	1450	1⅝	38.98	BB, 2, 4
PHD297	20	3	76	1350	1	28.35	2, 4
FEDERAL PREMIUM® ULTRA-SHOK® HEAVYWEIGHT®							
PHW133	12	3½	89	1450	1⅝	38.98	2, 4, 6
PHW142	12	3	76	1450	1¼	35.44	2, 4, 6

 The purchase of every box of Ultra-Shok gives money directly to the DU Grasslands for Tomorrow initiative.



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)

AVERAGE PELLET COUNT – HEAVYWEIGHT®

Shot Size	1-3/8 (39.98)	1-1/4 (35.44)
2	80	72
4	123	111
6	203	184

Weight of Shot in Ounces (Grams)

AVERAGE PELLET COUNT – HIGH DENSITY®

Shot Size	1 (28.35)	1-3/8 (38.98)	1-5/8 (46.07)
BB	N/A	85	100
2	108	149	176
4	169	233	275

Weight of Shot in Ounces (Grams)



PREMIUM® MAG-SHOK® TURKEY



ANSWERING THE CALL SINCE 1973

For over 35 years, the NWTf has worked alongside state agencies and corporate partners to increase the turkey population in North America. This important organization has amassed more than a half-million members and spent \$279 million on conservation while taking the turkey population from 1.3 million to over 7 million. This increase in population and habitat has provided opportunities for countless sportsmen, and we need to continue our efforts. Every box of Federal Premium NWTf Mag-Shok turkey loads that you buy gives money directly to the NWTf. Learn more at www.nwtf.org.



TIGHT PATTERN ORIGINATOR

We've been in pursuit of ol' Tom for generations. Getting outplayed by a wary gobbler has happened more than once. But so has success. One of the FLITECONTROL® wad's first intended targets was turkeys. This wad opens from the rear—allowing it to be pulled off the shot string. This departs from conventional wad design and leads to the best patterns. Period. This year 10 and 20 gauge options in both lead and HEAVYWEIGHT® will feature the wad. HEAVYWEIGHT® #7 equals the energy of #5 lead at 40 yards. You've got so many effective options, this year it will be Tom's knees that are shaking at the moment of truth.

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	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								
NEW ▶ PFC101	10	3½	89	1300	Mag.	2	56.71	4, 5, 6
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
NEW ▶ PFC258	20	3	76	1185	3	1½ ¹⁶	37.20	4, 5, 6
FEDERAL PREMIUM® MAG-SHOK® HEAVYWEIGHT™ WITH FLITECONTROL® WAD								
NEW ▶ PHT101F*	10	3½	89	1300	-	2	56.70	6, 7
PHT191F*	12	3½	89	1300	-	1 ⁷ / ₈	53.16	5, 6, 7
PHT193F*	12	3	76	1300	-	1 ⁷ / ₈	46.07	5, 6, 7
NEW ▶ PHT258F*	20	3	76	1100	-	1½	42.52	6, 7

*Five Pack

▶ A portion of the proceeds from the sale of this product is donated to the NWTf.



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.



(photo taken 19 feet from muzzle)

THE BREAKDOWN

- 1. **Petals:** Open in the rear to create an air brake. This separates the wad and shot at the perfect time and leads to consistent, dense patterns.
- 2. **Windows:** Open on side of wad to allow air in and help stimulate the payload for separation from the wad.
- 3. **Payload:** FLITECONTROL wad is combined with several unique shot types to get better performance on target.



PHT193F 7 with modified choke at 40 yards. Target shot with Rem. 870.

NOTE: Best performance achieved with chokes that do not strip wad or reduce muzzle pressure.

DOWN RANGE PELLET ENERGY IN FOOT-POUNDS — HEAVYWEIGHT®

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. Use only in barrels approved for steel shot.

AVERAGE PELLET COUNT — HEAVYWEIGHT®

Shot Size	1-1/2 (42.52)	1-5/8 (46.07)	1-7/8 (53.16)	2 (56.70)
5	187	206	231	249
6	223	270	312	330
7	337	353	408	444

Weight of Shot in Ounces (Grams)



PREMIUM® WING·SHOK® UPLAND LEAD AND STEEL



25 YEARS AND COUNTING

After helping Pheasants Forever celebrate their 25th anniversary last year, our partnership continues to grow. Just last year we produced our 15 millionth PF shell. Each box of these special loads that is sold gives money directly to PF. Their unique and successful model has led to one of the greatest success stories in conservation. Another chapter in this story has been the creation of Quail Forever. This organization has made tremendous progress in a few short years. Make sure you're a part of the story, or a big reason it continues. www.pheasantsforever.org. www.quailforever.org



SPEED IS RELATIVE, PERFORMANCE ISN'T

Whether it's the first bird of the season, or the last on a great fall weekend, every time a bird bursts from cover, our heart accelerates. We can't get the gun up fast enough, and at times forget to breathe. That feeling is what keeps us coming back. At Federal Premium, we understand that rush, and load ammunition for the exact moment when you need to draw a bead on one of those speedsters. Our loads are fast, and designed for upland birds. Lead or steel, we've got a Premium® option for you. New this year, we extend our 16 gauge line and add a 12 gauge paper flyer load with pigeon shooters in mind. Next time your dog goes on point, or a bird flushes wildly, remember to breathe and squeeze easy: you've got the best we offer.

AVERAGE PELLET COUNT — LEAD 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)
9	292	402	439	512	585	658	731	767
8-1/2	249	342	373	435	497	559	621	652
8	205	282	307	359	410	461	512	538
7-1/2	175	241	262	306	350	394	437	459
6	112	155	169	197	225	253	281	295
5	85	117	127	149	170	191	212	223
4	67	93	101	118	135	152	169	177
2	43	60	65	76	87	98	109	114
BB	25	34	37	44	50	56	62	65

Weight of Shot in Ounces (Grams) (3% ANTIMONY)



Federal Premium® Wing-Shok™ Lead loads feature extra-hard copper-plated shot for tighter patterns, less feather draw and maximum penetration.

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)
804	877	951	1097	1170	1316
683	745	808	932	994	1118
564	615	666	769	820	922
481	525	569	656	700	787
309	337	366	422	450	506
234	255	276	319	340	382
186	202	219	253	270	304
120	130	141	163	174	196
69	75	81	94	100	112

SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE OUNCES	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® PAPER FLYER LOADS								
NEW P155	12	2¾	70	1400	4	1¼	35.44	7, 5
FEDERAL PREMIUM® WING-SHOK® FLYER LOADS								
P153	12	2¾	70	1330	3¼	1¼	35.44	7, 5, 8
FEDERAL PREMIUM® WING-SHOK® PHEASANTS FOREVER UPLAND STEEL HIGH VELOCITY								
PFS140	12	3	76	1450	-	1¼	35.44	3, 5 Steel
PFS209	20	3	76	1350	-	1	28.35	3, 5 Steel
FEDERAL PREMIUM® WING-SHOK® PHEASANTS FOREVER HIGH VELOCITY								
PF154	12	2¾	70	1500	Max.	1¼	35.44	4, 5, 6, 7, 5
NEW PF163	16	2¾	70	1425	3⅞	1⅞	31.90	4, 5, 6
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

**Magnum loads feature buffered shot



PREMIUM® GOLD MEDAL® TARGET



FOR THE SERIOUS TARGET SHOOTER

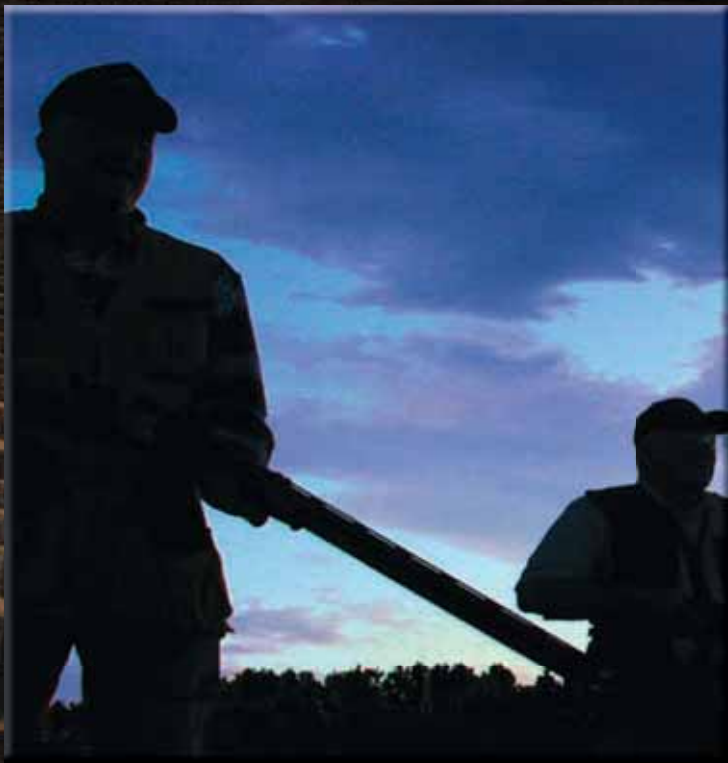
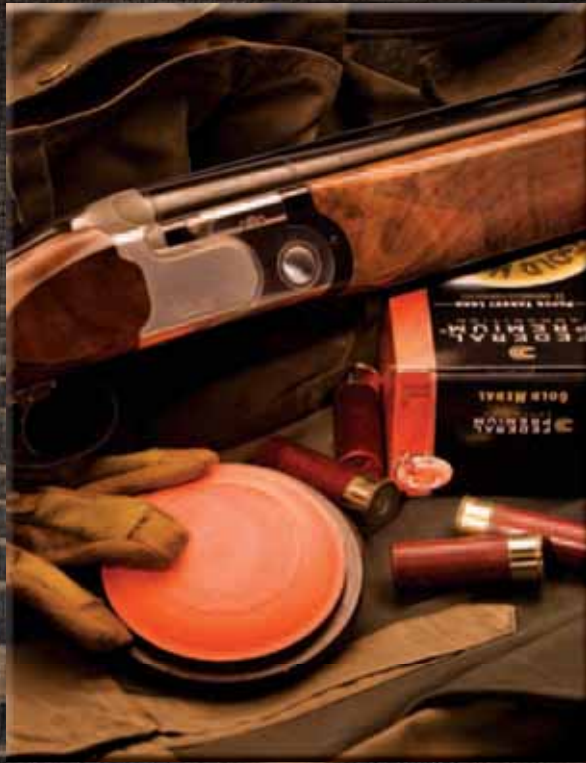
When the trophy is on the line, and you can see the winners circle, you don't want to be shooting second-rate ammunition. At this point, it isn't a matter of who makes the least amount of mistakes, it's who makes the only mistake. The consistent and uniform patterns of Gold Medal® make the difference for great shooters. Extra-hard shot and the hot 209A primer take performance one step further, and make it 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 load. And if Sporting Clays is your game, you're joining a passionate bunch who take pride in their shooting. It's the ultimate preparation tool for hunting and a great sport as well. New this year, we introduce a paper load that is FITASC-qualified.



TOM KNAPP SHOOTS FEDERAL PREMIUM.

Tom Knapp has been captivating public audiences with extraordinary skill and a shooting style that emulates the legendary Herb Parsons since 1987. Knapp is sponsored by Federal Premium®, Champion™ Traps and Targets and Benelli® and his live shows are second to none. His exhibitions are not only an impressive demonstration of shooting skill, but an engaging presentation that thrills audiences all over the world. Knapp has set numerous world records, and continues to dazzle spectators with his showmanship and shotgunning prowess. If you haven't seen him yet, track him down on the road sometime soon. To see his upcoming schedule, or to find out more, go to www.tomknapp.net.





SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	SHELL LENGTH MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	SHOT CHARGE WEIGHT 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	HDCP	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	HDCP	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	2¼	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
FEDERAL PREMIUM® PAPER FITASC LOADS								
NEW TF175	12	2¾	70	1330	¾	1	28.35	7.5





FEDERAL® SLUG, BUCKSHOT AND SHOTSHELL

POWER•SHOK® SLUGS

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



POWER•SHOK® BUCKSHOT

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

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.



FIELD AND RANGE STEEL GAME AND TARGET LOADS

Shooters need an affordable steel option that will work on both clays and birds. These loads will give you the performance you need at a price you like.



FEDERAL® SLUG BALLISTICS

USAGE	FEDERAL LOAD NO.	GAUGE	SHELL LENGTH		SLUG TYPE
			INCHES	MM	
FEDERAL® POWER•SHOK® SABOT SLUGS (Fully Rifled Slug Barrel or Rifled Choke Tube)					
2	F127 SS	12	2¾	70	Sabot Hollow Point
FEDERAL® POWER•SHOK® RIFLED SLUGS (Smoothbore Barrel)					
2	F103 RS	10	3½	89	Hollow Point
2	F131 RS	12	3	76	Hollow Point
2	F127 RS	12	2¾	70	Hollow Point
2	F130 RS	12	2¾	70	Hollow Point
2	F164 RS	16	2¾	70	Hollow Point
2	F203 RS	20	2¾	70	Hollow Point
2	F412 RS	410	2½	64	Hollow Point

FEDERAL® BUCKSHOT SPECIFICATIONS

FEDERAL LOAD NO.	GAUGE	SHELL LENGTH 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	8 Pellets - 00 Buck
F127	12	2¾	70	1325	9 Pellets - 00 Buck
F127	12	2¾	70	1325	27 Pellets - 4 Buck
F130	12	2¾	70	1290	12 Pellets - 00 Buck
F130	12	2¾	70	1250	34 Pellets - 4 Buck
F164	16	2¾	70	1225	12 Pellets - 1 Buck
F207	20	3	76	1100	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

FEDERAL® UPLAND LOAD SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE OUNCES	WEIGHT GRAMS	SHOT SIZES
FEDERAL® GAME•SHOK® UPLAND GAME - HI-BRASS LOADS								
H126	12	2¾	70	1330	3¾	1¼	35.44	4, 5, 6, 7, 5
H163	16	2¾	70	1295	3¼	1½	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	Max	1½/16	19.51	4, 5, 6, 7, 5, 8
H412	410	2½	64	1200	Max	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	¾	23.39	6, 7, 5, 8

FIELD & RANGE STEEL GAME & TARGET LOAD SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE OUNCES	WEIGHT GRAMS	SHOT SIZES
FIELD & RANGE STEEL GAME & TARGET LOADS							
NEW FRS12	12	2¾	70	1375	1	28.35	6, 7
NEW FRS20	20	2¾	70	1425	¾	21.26	6, 7

	SLUG WEIGHT		MUZZLE	VELOCITY IN FEET PER SECOND (TO NEAREST 10 FPS)					MUZZLE	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
	OUNCES	GRAINS		25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.		25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	25 YDS.	50 YDS.	75 YDS.	100 YDS.	125 YDS.	
	1	438	1450	1350	1260	1190	1120	1070	2040	1775	1545	1365	1220	1105	1.6	2.5	2.0	Φ	-3.7	30
	1¼	766	1280	1170	1090	1020	970	930	2785	2325	2000	1770	1600	1465	0.5	Φ	-2.4	-6.8	-13.6	32
	1¼	547	1600	1460	1330	1220	1130	1060	3110	2570	2140	1800	1545	1360	0.3	Φ	-1.5	-4.5	-9.1	30
	1	438	1610	1470	1340	1230	1140	1070	2520	2090	1745	1470	1260	1110	0.3	Φ	-1.5	-4.4	-8.9	30
	1¼	547	1520	1390	1270	1170	1090	1030	2805	2330	1950	1660	1445	1290	0.3	Φ	-1.7	-4.9	-10.0	30
	½	350	1600	1380	1210	1080	1000	930	1990	1490	1135	910	770	675	0.3	Φ	-1.8	-5.4	-11.2	28
	¾	328	1600	1430	1280	1160	1070	1000	1865	1480	1190	975	830	730	0.3	Φ	-1.6	-4.8	-10.0	26
	¼	109	1775	1540	1340	1180	1060	980	760	575	430	335	270	235	0.2	Φ	-1.4	-4.4	-9.3	26

Usage Key: 1 = Varmints, predators, small game 2 = Medium game 3 = Large, heavy game 4 = Dangerous game 5 = Target shooting, training, practice 6 = Self defense
 These trajectory tables were calculated by computer using the best available data for each load. Trajectories are representative of the nominal behavior of each load at standard conditions (59°F temperature; barometric pressure of 29.53 inches; altitude at sea level). Shooters are cautioned that actual trajectories may differ due to variations in altitude, atmospheric conditions, guns, sights and ammunition.

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.



FEDERAL® TARGET LOAD SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	DRAM EQUIV	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® TOP GUN™ TARGET LOADS								
TG121	12	2¾	70	1180	2¼	1	28.34	7.5, 8
TG122	12	2¾	70	1250	3	1	28.35	7.5
TG12	12	2¾	70	1200	3	1½	31.90	7.5, 8
TGL12	12	2¾	70	1145	2¼	1½	31.90	7.5, 8, 9
TG20	20	2¾	70	1210	2½	½	23.39	8, 9
FEDERAL® TOP GUN™ TARGET - SUBSONIC LOADS								
TGM123	12	2¾	70	900	1½	1½	31.89	7.5
FEDERAL® TOP GUN™ TARGET - STEEL LOADS								
TG147	12	2¾	70	1145	-	1½	31.90	7
TG251	20	2¾	70	1210	-	¾	21.26	7

FEDERAL® TURKEY LOAD SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH 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	1½	53.16	4, 5, 6

FEDERAL® WATERFOWL LOAD SHOTSHELL SPECIFICATIONS

FEDERAL LOAD NUMBER	GAUGE	SHELL LENGTH INCHES	MM	MUZZLE VELOCITY	SHOT CHARGE WEIGHT OUNCES	GRAMS	SHOT SIZES
FEDERAL® SPEED•SHOK® WATERFOWL - STEEL LOADS							
WF133	12	3½	89	1550	1½	38.98	BB, 2, 3
WF143	12	3	76	1550	1½	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	1½	31.90	BB, 2, 3, 4, 6
WF207	20	3	76	1300	¾	24.81	2, 4
WF208	20	2¾	70	1425	¾	21.26	6, 7



PREMIUM® V•SHOK® AND GOLD MEDAL®



ULTRAMATCH® REBORN

In 1992 we helped the US bring home Olympic medals with our UltraMatch® product. Launi Meili and Bob Foth won gold and silver respectively, winning the first set of medals for an American-made round since the Rome games in 1960. With this in mind, we bring back this highly regarded name with a tremendous new product. We partnered with the rimfire experts at RWS to get unprecedented accuracy. These new 40-grain solid options are loaded to optimal velocities, with consistency that is unmatched.



5 shots at 100 yards, 0.164" group center to center (extreme spread)
Target shot with UM22 in a Cooper rifle with Weaver® target scope

GOLD MEDAL® GETS NEW MEANING

If you're after the best performance on the range, Gold Medal® is what you need. This year, we introduce two new super-accurate target loads. These loads were developed in conjunction with renowned rimfire manufacturer RWS. They combine the latest bullet and lube technologies, and stringent quality control for unbelievable performance. If you're looking for the most accurate target ammunition offered, you can again look to Federal.



FEDERAL PREMIUM® RIMFIRE SPECIFICATIONS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN		
			GRAINS	GRAMS	
FEDERAL PREMIUM® V•SHOK®					
1	P770	17 HMR	17	1.10	
1	P771	17 HMR	17	1.10	
1	P765	22 Win. Magnum	30	1.94	
FEDERAL PREMIUM® GOLD MEDAL®					
NEW	5	UM22	22 Long Rifle	40	2.59
NEW	5	922A	22 Long Rifle	40	2.59
	5	711B	22 Long Rifle	40	2.59
	5	719	22 Long Rifle	40	2.59

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



V-SHOK® HAS MANY MEANINGS

Like their Gold Medal® counterparts, our V-Shok™ loads are extremely accurate. This accuracy is combined with impressive terminal performance for excellent results in offerings from 17 HMR through 22 Win Magnum.

These options are loaded with Premium® bullets like the V-Max and Speer TNT JHP to give varmint and small game hunters the best ammunition available. For small targets at long distances, there's nothing better.



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 ZEROED AT 100 YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.	
	MUZZLE	50 YDS.	100 YDS.	MUZZLE	50 YDS.	100 YDS.	50 YDS.	100 YDS.	50 YDS.	100 YDS.
Speer TNT JHP	2530	2150	1800	240	175	125	0.9	3.8	◆	-0.4
Hornady V-Max	2530	2190	1880	240	180	135	0.8	3.3	◆	-0.3
Speer TNT HP	2200	1780	1420	320	210	135	1.3	6.0	◆	-1.3
Solid	1080	960	880	105	80	70	1.6	5.9	◆	-7.9
Solid	1080	960	880	105	80	70	1.6	5.9	◆	-7.9
Solid	1080	990	930	105	90	75	1.1	4.2	◆	-7.3
Solid	1200	1080	990	130	105	85	1.3	4.9	◆	-6.0

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® AND AMERICAN EAGLE®



SHOOT MORE. SPEND LESS.

Federal® knows there are times when you just want to head to the range to do some plinking. Times like this don't necessarily require match-grade ammunition, but loads that are reliable, and affordable. Look for Federal Game-Shok™, Champion™ and American Eagle® offerings to meet your needs. These are great high-volume options that will let you have extra money for upcoming competitions and hunts. These loads feature similar ballistics to our Premium® offerings and are useful for several applications. Whether your targets are paper, aluminum or the occasional varmint, Federal has an affordable option for you.

FEDERAL® & AMERICAN EAGLE® RIMFIRE BALLISTICS

USAGE	FEDERAL LOAD NO.	CALIBER	BULLET WEIGHT IN	
			GRAINS	GRAMS
FEDERAL® CHAMPION™				
5	745*	22 Long Rifle	36	2.33
5	AM22**	22 Long Rifle	40	2.59
5	510	22 Long Rifle	40	2.59
5	737	22 Win. Magnum	40	2.59
FEDERAL® GAME-SHOK®				
1	716	22 Long Rifle	25	1.62
1	724	22 Long Rifle	31	2.01
1	712	22 Long Rifle	38	2.46
1	710	22 Long Rifle	40	2.59
1	810	22 Long Rifle	40	2.59
1	757	22 Win. Magnum	50	3.24
AMERICAN EAGLE®				
5	AE22	22 Long Rifle	38	2.46
5	AE5022	22 Long Rifle	40	2.59

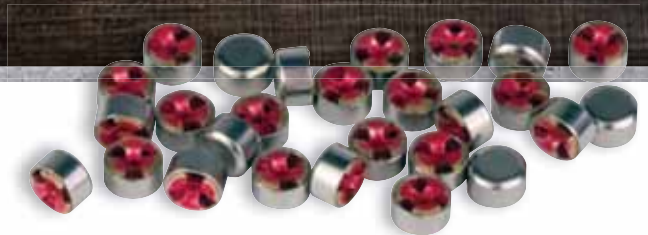
Abbreviation Key: HP = Hollow Point, JHP = Jacketed Hollow Point
*525 Round Bulk Pack, **325 Round Bulk Pack



GOLD MEDAL® AND FEDERAL®

GOLD MEDAL PRIMERS.

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



FEDERAL PREMIUM® PRIMER SPECIFICATIONS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
FEDERAL PREMIUM® GOLD MEDAL® CENTERFIRE PRIMERS			
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

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 ZEROED AT 100 YARDS. SIGHTS 1.5 INCHES ABOVE BORE LINE.	
	MUZZLE	50 YDS.	100 YDS.	MUZZLE	50 YDS.	100 YDS.	50 YDS.	100 YDS.	50 YDS.	100 YDS.
Copper Plated HP	1260	1100	1000	125	95	80	1.5	5.7	⊕	-5.6
Solid	1200	1080	990	130	105	85	1.3	4.9	⊕	-6.0
Solid	1240	1100	1010	135	110	90	1.4	5.1	⊕	-5.6
Full Metal Jacket	1880	1570	1310	315	220	155	1.4	5.8	⊕	-2.1
No. 12 Lead Bird Shot	-	-	-	-	-	-	-	-	-	-
Copper Plated HP	1430	1200	1050	140	100	75	1.8	7.1	⊕	-4.6
Copper Plated HP	1260	1110	1010	135	105	85	1.5	5.5	⊕	-5.5
Copper Plated Solid	1240	1100	1010	135	110	90	1.4	5.1	⊕	-5.6
Copper Plated Solid	1240	1100	1010	135	110	90	1.4	5.1	⊕	-5.6
JHP	1530	1350	1200	260	200	160	1.2	4.7	⊕	-3.3
Copper Plated HP	1260	1110	1010	135	105	85	1.5	5.5	⊕	-5.5
Solid	1240	1100	1010	135	110	90	1.4	5.1	⊕	-5.6

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

PRIMERS AND WADS

FEDERAL® PRIMERS.

When affordability and reliability outweigh the need for pin-point accuracy, Federal's Champion® line of primers and wads are the best option.



These products let you shoot all day, and still have money left over to shoot again the next. They're great

for high volume shooters, as well as those learning how to reload.



FEDERAL® PRIMER SPECIFICATIONS

FEDERAL LOAD NO.	TYPE	USE	NOMINAL DIAMETER
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

FEDERAL® WAD SPECIFICATIONS

FEDERAL LOAD NO.	TYPE	USE
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)



SPORT YOUR SHOCKWAVE

For decades Federal Cartridge has been known to offer hunters and shooters the best ammunition available. Now known as Federal Premium®, the quality of product has only gotten better. Throughout the process, the Shockwave has emerged as a quick way to identify our superior products. We know you bring that Shockwave into the field with you, so you might as well show it off other places as well. Look for your Premium® gear below. We offer everything from hats to branding irons.



A. DUCK COMMANDER BLACK CLOUD® T-SHIRT: The Duckmen swear by Black Cloud, so let the world know you do too. Size: M-XXXL **\$12.00**

B. BLACK CLOUD® LONG SLEEVE T-SHIRT: This long sleeve T sports the Black Cloud® logo, Realtree® camouflage down one sleeve and the rally call for waterfowlers nationwide: Drop Ducks Like Rain™. Size: M-XXL **\$21.95**

C. FEDERAL PREMIUM® POLO: Look sharp and professional with this 100% combed cotton polo. It is perfect for business casual events at the office, country club or range. Size: M-XXXL **\$24.95**

D. COMPUTER BRIEF CASE: This stylish bag will protect your computer from the hazards of travel. Size: 16.5" L x 4.5" W x 11.5" H **\$129.95**

E. REALTREE® CAMOUFLAGE CAP: These 6-panel caps are made of heavy weight brushed twill fabric and feature a Velcro® closure. Size: ONE SIZE FITS ALL **\$12.95**

F. KHAKI CAP: Perfect for the golf course or gun range, this hat works in all settings. Made of heavy weight brushed twill with a Velcro® closure. Size: ONE SIZE FITS ALL **\$9.95**

G. BLACK CLOUD® MESH CAP: Wear this stylish cap that breathes well in warm weather. It's ideal for early season hunts or just wearing around town. Size: ONE SIZE FITS ALL **\$12.95**

H. DISTRESSED HAT: Sport the worn, weathered look with this hat that features the Shockwave and a Velcro closure. Size: ONE SIZE FITS ALL **\$9.95**

I. DOG COLLAR: This 22-inch black leather dog collar comes with solid hardware that will hold up to years of field work. **\$10.95**

J. STAINLESS STEEL TRAVEL TUMBLER: This rugged, dual-wall construction tumbler works for all drinks. Keep beverages hot or cold with this 100% pure 18-8 stainless steel traveler. **\$17.95**

K. TRAILER HITCH COVER: This 4" diameter hitch cover is tough, rugged and made of antique brass. **\$22.00**

L. FEDERAL PREMIUM® BRANDING IRON: Customizes steaks, chops or any other meat on the grill with this new branding iron. Features a wood handle and stainless steel branding plate. **\$14.00**

M. BLACK CLOUD® GAME CARRIER: Carry your limit out of the blind with this heavy-duty game carrier from Black Cloud®. **\$15.00**

N. CERAMIC MUG: Sip your morning coffee with a cup from your favorite ammunition manufacturer. Available in white or black. **\$7.00**



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