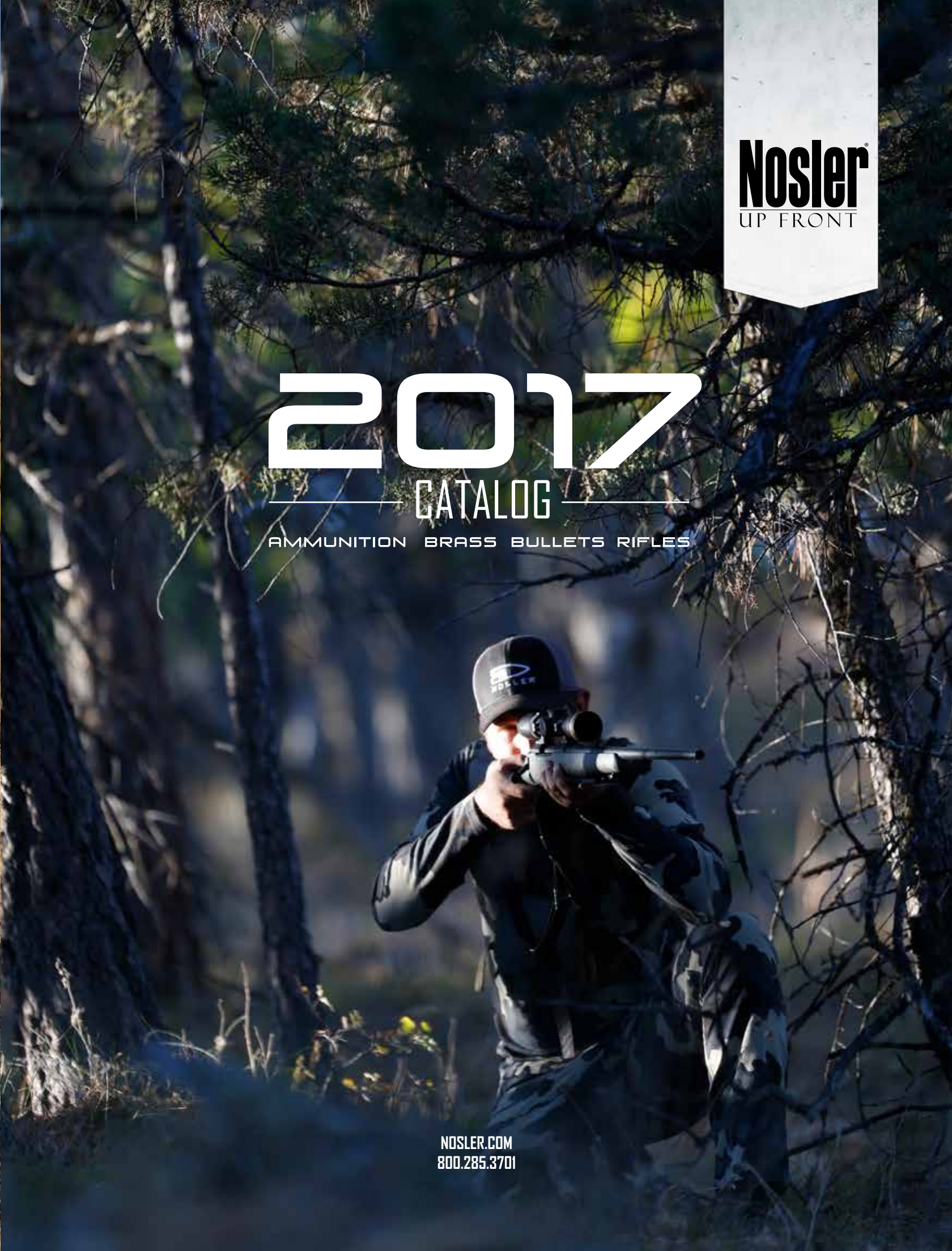


A full-page background image of a hunter in camouflage gear aiming a rifle in a forest. The hunter is wearing a black cap with a logo and is positioned in the lower half of the frame. The forest is dense with trees and branches, creating a natural and somewhat dark setting.

Nosler
UP FRONT

2017

CATALOG

AMMUNITION BRASS BULLETS RIFLES

NOSLER.COM
800.285.3701

2017

PRESIDENT'S MESSAGE

New for 2017

If hunting or shooting is your passion, then these new products may be the most exciting innovations that we have ever offered.

Let's start with the 22 Nosler. This sensational new cartridge develops 22-250 velocities out of a standard AR-15 and, if that isn't exciting enough, the only changes your AR will need are the magazine and the barrel. Look for the barrels, magazines, ammunition and brass to be available soon.

Also, new for 2017 is the powerhouse 33 Nosler. For long range target work or taking down the largest critters in North America, this cartridge does it all. That's why we say "move over Lapua, there's a new 338 in town."

Last on our list of all-new platform products is our line of "RDF" bullets. RDF stands for Reduced Drag Factor which, in plain English, means ultra-high Ballistic Coefficients and superior down-range performance.

Preserving Our Heritage

With the political winds changing in Washington D.C., it's a good time to double-down on our commitment to conservation. Most of us who love the outdoors are, by nature, conservationists, and we accept our role as guardians of the wildlife and the habitat.

Whether it means cleaning up our campsites, turning-in poachers, or voting for candidates who support our principles, we have an obligation to take this role seriously. Above all, we must always practice ethical hunting and the highest level of gun safety.

From Teddy Roosevelt and Gifford Pinchot to Ducks Unlimited and the Rocky Mountain Elk Foundation, we have been given a great gift and, through sound conservation and ethical practices, we can preserve it for generations to come.



Bob Nosler
President/CEO
Nosler, Inc.

Nosler
UP FRONT

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OUR PROMISE

For us, excellence is not negotiable. We'll never sacrifice quality for cost.

We don't cater to every trend and we aren't everything to everyone. We know who we are and being true to yourself allows you to become the best at what you do. For us, that's building the most innovative, most accurate—and most effective—bullets and ammunition in the industry. By a longshot.

Our products lead the pack, because they're built with equal parts ingenuity and integrity, passion and precision, consistency and confidence.

The truth is, we owe it to you. Trophies, victories, lives—there's too much at stake for second thoughts or second chances. You won't settle, and neither will we.



EASY AS 1, 2,
3,350 FPS

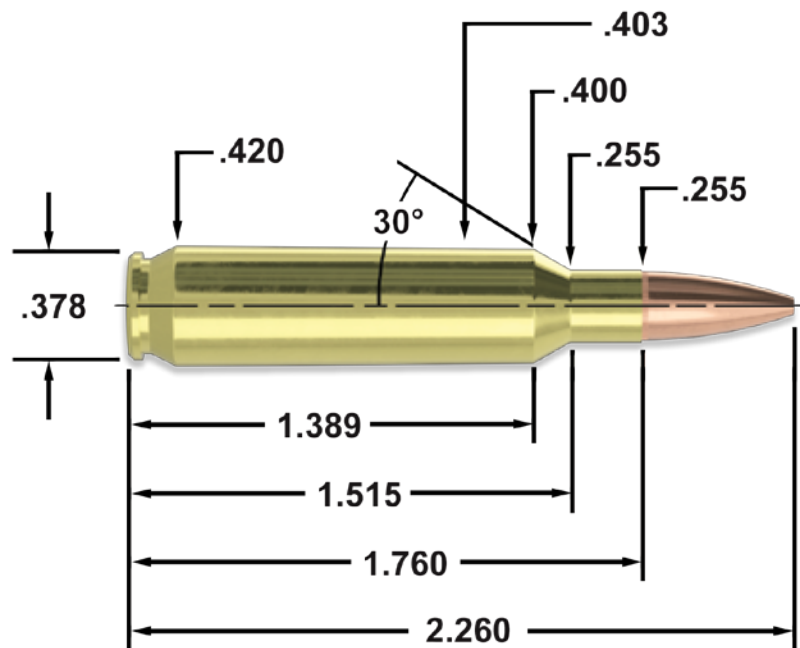
22 Nosler is the newest and most diminutive member of the Nosler cartridge family. While it does not share the same parent cartridge as its predecessors, it does possess the same spirit in fulfilling an important role. The 22 Nosler was born from the idea of creating the most powerful .22 caliber centerfire cartridge that would reliably function in the AR platform. Compared to the 223 Remington/5.56 NATO, the 22 Nosler has 25% more case capacity making it roughly 300 fps faster at the muzzle for maximized performance. How hard is it to retrofit an existing AR-15 chambered in 223 Rem/5.56 NATO into a 22 Nosler? Switch to a 6.8 Remington SPC magazine along with a simple 22 Nosler barrel swap and the transformation is complete.

TWO STEPS TO
TRANSFORM YOUR AR

Swap your upper and change out your mag to turn your standard AR into a 22 Nosler. Delivering 30 percent more energy and 300 more fps than a 223 Rem/5.56 NATO at 500 yards, it's your fastest way to faster.

FLAT OUT. LIGHTS OUT.

Vistit www.22nosler.com for more information about the 22 Nosler



22 NOSLER BULK BRASS OFFERING

22 Nosler (250ct.)

22 NOSLER BRASS OFFERING

22 Nosler (100ct.)

22 NOSLER TROPHY GRADE™ OFFERING

22 Nosler Trophy Grade™ 55gr BTV

22 NOSLER MATCH GRADE™ OFFERING

22 Nosler Match Grade™ 77gr CC

223 Rem vs. 22 Nosler		
Velocity Comparison		
55gr Ballistic Tip 24" Test bbl		
	223 Rem	22 Nosler
Range	Velocity	Velocity
(yd)	(ft/s)	(ft/s)
0	3200	3500
100	2844.6	3119.4
200	2505.4	2758.9
300	2190.6	2425.9
400	1899.4	2116.8
500	1634.8	1831.7

223 Rem vs. 22 Nosler		
Energy Comparison		
55gr Ballistic Tip 24" Test bbl		
	223 Rem	22 Nosler
Range	Energy	Energy
(yd)	(ft•lbs)	(ft•lbs)
0	1260.4	1507.6
100	988.1	1188.1
200	766.4	929.4
300	585.9	718.6
400	440.5	547.1
500	326.3	409.7

223 Rem vs. 22 Nosler		
Trajectory Comparison		
55gr Ballistic Tip 24" Test bbl		
	223 Rem	22 Nosler
Range	Drop	Drop
(yd)	(in)	(in)
0	-1.5	-1.5
100	1.4	1
200	0	0
300	-7	-5.6
400	-21.3	-17.2
500	-45.3	-36.6

223 Rem vs. 22 Nosler		
Velocity Comparison		
77gr Custom Competition 24" Test bbl		
	223 Rem	22 Nosler
Range	Velocity	Velocity
(yd)	(ft/s)	(ft/s)
0	2750	3100
100	2495.5	2824.8
200	2246.9	2557.4
300	2012.6	2305.3
400	1793.7	2067.6
500	1592.5	1844.8

223 Rem vs. 22 Nosler		
Energy Comparison		
77gr Custom Competition 24" Test bbl		
	223 Rem	22 Nosler
Range	Energy	Energy
(yd)	(ft•lbs)	(ft•lbs)
0	1301.3	1653.2
100	1064.5	1364.1
200	863	1118
300	692.4	908.5
400	550	730.8
500	433.5	581.8

223 Rem vs. 22 Nosler		
Trajectory Comparison		
77gr Custom Competition 24" Test bbl		
	223 Rem	22 Nosler
Range	Drop	Drop
(yd)	(in)	(in)
0	-1.5	-1.5
100	2.1	1.4
200	0	0
300	-9	-6.8
400	-26.6	-20.1
500	-55	-41.6



Use of an 18" barrel and standard gas system will result in a loss of approx. 150 fps in an AR platform rifle.



PATRIARCH

Nosler
UP FRONT

The Nosler family of cartridges was born in 2014 with the introduction of the 26 Nosler, followed by the 28 Nosler in 2015, 30 Nosler in 2016 and now we're ready to introduce the patriarch of the family – the 33 Nosler. The 33 shares the same parent case (404 Jeffery) as the rest of the family but fires .338 caliber bullets for the toughest of big game. The 33 Nosler is capable of propelling a 225gr AccuBond at 3025 fps and the brand new 265gr AccuBond Long Range at 2775 fps. That's 275 fps faster than the 338 Win Mag using the same length action and 25 fps faster than the 338 Lapua at the muzzle while burning 18% less powder. The 33 Nosler is SAAMI approved and will be supported with ammunition and components from Nosler beginning Q1 of 2017.

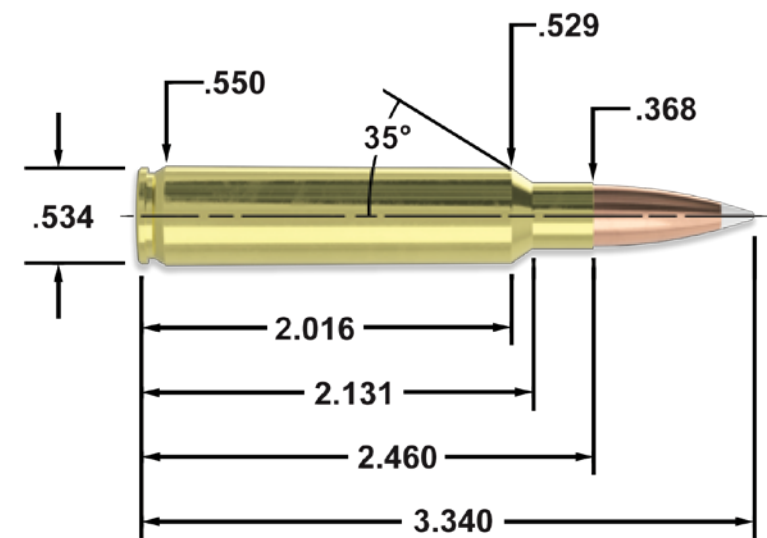
FLAT OUT. LIGHTS OUT.

33 NOSLER TROPHY GRADE™ OFFERINGS

- 33 Nosler 225gr AB
- 33 Nosler 265gr ABLR

33 NOSLER BRASS OFFERING

- 33 Nosler (25ct.)



EVERY POWERFUL FAMILY NEEDS A STRONG FATHER FIGURE.

Meet ours. Introducing 33 Nosler. Fitting a standard length action and firing a 225-grain bullet at 3,025 fps, it has taken its rightful place as the head of the Nosler cartridge family.



338 Win vs. 338 Lapua vs. 33 Nosler			
Velocity Comparison 225gr AccuBond			
	338 Win	338 Lapua	33 Nosler
Range (yd)	Velocity (ft/s)	Velocity (ft/s)	Velocity (ft/s)
0	2750	3000	3025
100	2591	2832	2856
200	2432	2664	2687
300	2279	2503	2525
400	2131	2347	2369
500	1989	2197	2218
600	1853	2053	2072
700	1723	1914	1933
800	1601	1781	1799
900	1486	1655	1672
1000	1381	1537	1553

338 Win vs. 338 Lapua vs. 33 Nosler			
Energy Comparison 225gr AccuBond			
	338 Win	338 Lapua	33 Nosler
Range (yd)	Energy (ft•lbs)	Energy (ft•lbs)	Energy (ft•lbs)
0	3793	4513	4589
100	3353	4005	4074
200	2955	3546	3608
300	2595	3129	3185
400	2269	2752	2803
500	1977	2411	2457
600	1715	2104	2145
700	1483	1829	1866
800	1280	1584	1617
900	1103	1368	1397
1000	952	1179	1204

338 Win vs. 338 Lapua vs. 33 Nosler			
Trajectory Comparison 225gr AccuBond			
	338 Win	338 Lapua	33 Nosler
Range (yd)	Drop (in)	Drop (in)	Drop (in)
0	-1.5	-1.5	-1.5
100	1.8	1.4	1.4
200	0	0	0
300	-7.7	-6.3	-6.2
400	-22.2	-18.2	-17.9
500	-44.2	-36.4	-35.7
600	-75.1	-61.8	-60.7
700	-116.2	-95.5	-93.7
800	-168.9	-138.7	-136.1
900	-235.3	-192.8	-189.2
1000	-317.4	-259.7	-254.8

NOSLER[®]

CARTRIDGES

Nosler[®]
UP FRONT

The 22 Nosler was designed to maximize the performance of the AR-15 platform rifle without necessitating the use of specialized components. Using the same overall length and cartridge head diameter as the 223 Rem/5.56, the 22 Nosler case is a completely new design, not based upon any other SAAMI approved case. With a larger body diameter and 25% greater case capacity, the 22 Nosler is faster, flatter, and hits harder than the 223/5.56.

The 26, 28, 30, and 33 Nosler cartridges were designed to maximize the performance available in a standard length action. Sharing the same 404 Jeffery parent case, these Nosler cartridges are examples of what a modern cartridge should be. Utilizing an extremely efficient case design, the 26, 28, 30, and 33 Nosler cartridges provide performance equal to or in excess of magnum sized cartridges of the same calibers.

All of the Nosler cartridges are extremely versatile, offering hunters and shooters excellent performance both in the field and on the range. While they are all from the same family, each Nosler cartridge offers its own set of advantages and applications. Whatever your preferred caliber, be it 22, 6.5, 7mm, 30, or the mighty 338 we now make a Nosler cartridge just for you.

When paired with suitable optics and bullets, the Nosler cartridges offer the perfect choice for engaging targets at long range. So, if you are looking for something a little more advanced, and a flat-shooting, hard-hitting cartridge sounds right for you, you owe it to yourself to take a look at the Nosler family of cartridges. Flat Out, Lights Out.

22, 26, 28, 30, AND 33 NOSLER TROPHY GRADE™ AMMUNITION OFFERINGS

22 Nosler® Trophy Grade™ Varmint Ammunition – 55gr Ballistic Tip®	3350fps
22 Nosler® Match Grade™ Ammunition – 77gr Custom Competition®	2950fps
26 Nosler® NoslerCustom® Ammunition – 120gr E-Tip®	3450fps
26 Nosler® Trophy Grade™ LR Ammunition – 129gr AccuBond® LR	3400fps
26 Nosler® NoslerCustom® Ammunition – 130gr AccuBond®	3400fps
26 Nosler® Trophy Grade™ Ammunition – 140gr AccuBond®	3300fps
26 Nosler® Match Grade™ Ammunition – 140gr Custom Competition®	3300fps
26 Nosler® Trophy Grade™ LR Ammunition – 142gr AccuBond® LR	3300fps
28 Nosler® E-Tip® Ammunition – 150gr E-Tip®	3250fps
28 Nosler® Trophy Grade™ Ammunition – 160gr AccuBond®	3300fps
28 Nosler® Match Grade™ Ammunition – 168gr Custom Competition®	3075fps
28 Nosler® Trophy Grade™ LR Ammunition – 175gr AccuBond® LR	3125fps
30 Nosler® Trophy Grade™ Ammunition – 180gr AccuBond®	3200fps
30 Nosler® Match Grade™ Ammunition – 190gr Custom Competition®	3050fps
30 Nosler® Trophy Grade™ LR Ammunition – 210gr AccuBond® LR	3000fps
33 Nosler® Trophy Grade™ Ammunition – 225gr AccuBond®	3025fps
33 Nosler® Trophy Grade™ LR Ammunition – 265gr AccuBond® LR	2775fps
33 Nosler® Match Grade™ Ammunition – 300gr Custom Competition®	2550fps



- The new 22 Nosler is a .224 caliber cartridge designed specifically for the AR-15 platform rifle.
- The 26, 28, 30 and 33 Nosler are non-belted, 6.5mm (.264 caliber), 7mm (.284 caliber), .308 and .338 caliber centerfire rifle cartridges.
- The 22 Nosler fires a 55gr. Ballistic Tip® Varmint bullet at 3350fps from an 18" barreled AR-15.
- The 26 Nosler is capable of firing a 129gr AccuBond®-LR bullet at a Muzzle Velocity of 3400 fps while the 28 Nosler launches a 160gr AccuBond® at 3300 fps the 30 Nosler fires a 180gr AccuBond® at 3200 fps and the 33 Nosler fires a 225gr AccuBond® at 3025 fps.
- Designed to function in a standard AR-15 platform rifle with minimal modifications, the conversion from .223/5.56 to 22 Nosler only requires a simple barrel (or upper) swap and the use of a magazine designed for the 6.8 SPC. The 22 Nosler uses the standard .223/5.56 bolt carrier group.
- Designed with a maximum C.O.A.L. of 3.340", the 26, 28, 30, and 33 Nosler cartridges function in a standard (30-06 Springfield) length action for shorter bolt throw and lighter weight than magnum length actions.



NOSLER[®] CARTRIDGES

NOSLER[®] CARTRIDGES

HISTORY

2017: 22 Nosler® introduced
 2017: M48 Long-Range and M48 Western rifles introduced
 2016: Bob and Joan Nosler Receive NRA Corporate Executive of the Year Award
 2016: 33 Nosler® introduced
 2016: RDF Bullets® introduced
 2015: 30 Nosler® introduced
 2015: Reloading Guide #8 was released
 2015: Nosler purchases land and completes construction of additional facility in Redmond, OR.
 2015: Nosler® receives Gun Digest Gear Of The Year Award for "28 Nosler"
 2015: 28 Nosler® introduced
 2015: The 26 Nosler commercial "Flat Out. Lights Out." receives the Golden Moose Award for "Best Commercial" at the Outdoor Channel's 15th Annual Golden Moose Awards in Las Vegas
 2015: Nosler's Trophy Grade Ammunition in 26 Nosler receives the 2015 American Hunter Golden Bullseye Award for "Ammunition of the Year"
 2015: Nosler® adds SSA ammo and brass as a new dedicated product line
 2014: Nosler® receives the 2014 Editor's Choice Award for "Best New Rifle" from Outdoor Life Magazine
 2014: M48 Patriot™ and Heritage™ rifles introduced
 2014: Noveske Signature Ammunition introduced
 2014: BT® Ammo Introduced
 2014: 26 Nosler® cartridge is introduced

2013: AccuBond® Long Range was introduced
 2013: Nosler® Defense Ammunition was introduced
 2013: Nosler® Match Grade™ Handgun Ammunition was introduced
 2012: Reloading Guide #7 was released
 2012: Nosler® Varmageddon™ AR Rifle was introduced
 2012: Nosler® Model 48 Professional Rifle was introduced
 2012: Bob Nosler elected to the NRA Board of Directors
 2011: Nosler gains ISO 9001: 2008 certification
 2011: Nosler Safari™ Ammunition was introduced
 2011: The Varmageddon® bullet and Ammunition were introduced
 2011: The Nosler Trophy Grade™ Rifle receives the 2011 American Rifleman Golden Bullseye Award "Rifle of the Year"
 2010: John A. Nosler (Founder) passes away 10/10/10
 2010: Nosler® & Benjamin® introduce the Ballistic Tip® eXTREME Air Rifle bullet
 2010: Model 48 Sporter wins the Gray's Best Award™ from Gray's Sporting Journal
 2010: Trophy Grade™ Lead Free Varmint Ammunition named Best of the Best by Field and Stream
 2010: Trophy Grade™ Rifle named Best of the Best by Field and Stream
 2010: The Trophy Grade™ Rifle was introduced
 2009: The Ballistic Tip Lead Free™ bullet was introduced
 2009: NoslerCustom® Model 48 Varmint Rifle was released
 2009: Trophy Grade™ Ammunition was introduced
 2009: NoslerCustom® 338 Win Mag -NCR Series 3
 2008: The Nosler Solid™ bullet was introduced

2007: The E-Tip® Lead Free bullet was introduced
 2007: Model 48 Rifles named Best of the Best by Field and Stream
 2007: Reloading Guide #6 was released
 2007: John A. Nosler was awarded the inaugural Golden Bullseye Pioneer Award from the NRA for his innovation and development in bullet design and ballistics worldwide.
 2007: NoslerCustom® 280 Ackley-NCR Series 2
 2005: NoslerCustom® 300 WSM-NCR Series 1
 2005: NoslerCustom® Brass introduced
 2004: NoslerCustom® Handloaded Ammunition introduced
 2004: The NoslerCustom® brand was introduced
 2003: The Custom Competition™ bullet was introduced
 2003: The AccuBond® bullet was introduced
 2002: Reloading Guide #5 was released
 1997: Nosler® & Winchester® formed the Combined Technology® strategic alliance
 1996: Reloading Guide #4 was released
 1990: Nosler® Bullets, Inc. became Nosler®, Inc.
 1989: Reloading Guide #3 was released
 1988: Bob Nosler buys back majority ownership from Leupold & Stevens – company is now 100% family owned.
 1984: The Ballistic Tip® bullet was introduced
 1982: Nosler® Bullets, Inc. moved to its current location
 1981: Reloading Guide #2 was introduced
 1976: Reloading Guide #1 was introduced

1974: Federal Cartridge Company commercially loaded Nosler® bullets for the first time
 1972: The Solid Base® bullet was introduced
 1970: Impact extrusion manufacturing implemented for the Partition® bullet
 1969: The Nosler Partition Bullet Co. became Nosler® Bullets, Inc.
 1965: The Zipedo® bullet was introduced, using impact extrusion to manufacture bullet jackets
 1963: Norma became Nosler's first commercial loader
 1958: The Nosler Partition Bullet Co. moved from Ashland, Oregon to a 6,000 sq. ft. building in Bend, Oregon
 1948: The Nosler Partition Bullet Company was founded in Ashland, Oregon by John A. Nosler
 1947: The first test of the Partition® bullet
 1946: The hunt that inspired John Nosler to create the Partition® bullet

Nosler
UP FRONT

2017 NEW PRODUCTS

22 NOSLER CARTRIDGE



THE MODEL 48 LONG-RANGE



33 NOSLER CARTRIDGE



THE MODEL 48 WESTERN



NOSLER BRASS

22 Nosler
33 Nosler



NOSLER BULK BRASS

204 Ruger
22 Hornet
223 Rem
222 Rem Mag
22 Nosler
300 AAC Blk



RDF BULLETS



TROPHY GRADE AMMUNITION

308 Win 168gr ABLR
30-06 168gr ABLR



MATCH GRADE AMMUNITION

26 Nosler 140gr CC
28 Nosler 168gr CC
30 Nosler 190gr CC
33 Nosler 300gr CC



SSA

7.62x39 123gr Tipped 20ct



VARMAGEDDON AMMUNITION

223 Rem 53gr Tipped 50ct



ABLR

30-168gr
338-265gr



VARMAGEDDON

.310 7.62x39 123gr FB Tipped
22-53gr FB Tipped 100ct
22-53gr FB Tipped 250ct



BALLISTIC TIP

30-220gr RN



BALLISTIC TIP

12 GA 350gr BT Slug
BTA 2 3/4" 5 ct



HISTORY

NEW PRODUCTS

PARTITION®

The Benchmark for Hunting Bullets Since 1948™

The Nosler® Partition® bullet is the cornerstone upon which the entire company was founded on in 1948 and built upon since. It is the bullet that brought hunters from the Dark Ages of thin-jacketed, cup and draw style bullets and into the modern age with a complex jacket design that makes use of two lead cores, separated by a monolithic partition. The front lead core is designed to expand and transfer massive shock

and energy while the partition houses the rear lead core to maximize weight retention. The Nosler® Partition® delivers bone-crushing energy, a massive wound channel, and deep penetration. For over 65 years, the Nosler® Partition® has been the benchmark bullet by which all other modern hunting bullets are compared to. So, the next time you reach for a box of bullets, ask yourself, "Is it as good as a Partition?"



Nosler®
UP FRONT



GAME RECOMMENDATIONS
Any game depending on caliber



OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1800 fps (549 mps) / Maximum: Unlimited

30 CAL
165GR

1800 FPS
98% WR



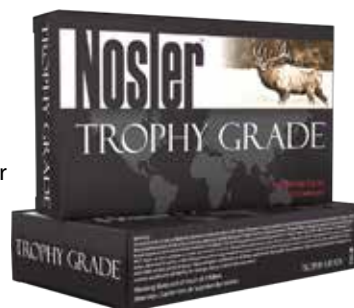
2400 FPS
74% WR



3050 FPS
67% WR



Partition® Bullets Loaded In Nosler
Trophy Grade™ Ammunition



Partition® Bullets Loaded In
Safari ammunition



PARTITION®

11

2017 CATALOG

PARTITION®

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800.285.3701

PARTITION®

The Benchmark for Hunting Bullets Since 1948™

1 Nosler Engineering:

Nosler's special lead-alloy, dual-core provides superior mushrooming characteristics at virtually all impact velocities.

2 Fully Tapered Copper-Alloy Jacket:

Ruptures instantly at the thin jacket mouth, yet the gradual thickening along the bullet's axis controls expansion and curls the jacket uniformly outward at high and low velocities.

3 Nosler's Integral Partition:

Supports the expanded mushroom and retains the rear lead-alloy core. The enclosed rear core retains more than two-thirds of the original bullet weight for deep penetration.

4 Dual-Core Construction:

Every Partition® bullet in the Nosler® line delivers optimum length, weight and ogive design for maximum in-flight and terminal performance.

5 Special Crimp Locks:

Adds strength to resist deformation under the pressure of heavy magnums.



Is it as good as a Partition?

This is a question bullet manufacturers have asked themselves for over 65 years. The Nosler Partition is still the benchmark by which all modern bullets are measured. So, the next time you reach for a box of bullets, ask yourself, "Is it as good as a Partition?"



RMEF

A portion of the proceeds from the sale of select Partition® bullets is donated to the Rocky Mountain Elk Foundation.

Nosler®
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Any game depending on caliber

22 Cal (.224")	60 Gr. Spitzer	SD. 0.171 BC. 0.228 OAL. 0.790" PART#	
		50 Ct. 16316	
Requires a 1-12" Twist			

6mm (.243")	85 Gr. Spitzer	SD. 0.206 BC. 0.315 OAL. 0.950" PART#	
		50 Ct. 16314	

6mm (.243")	95 Gr. Spitzer	SD. 0.230 BC. 0.365 OAL. 1.025" PART#	
		50 Ct. 16315	

6mm (.243")	100 Gr. Spitzer	SD. 0.242 BC. 0.384 OAL. 1.065" PART#	
		50 Ct. 35642	

25 Cal (.257")	100 Gr. Spitzer	SD. 0.216 BC. 0.377 OAL. 1.035" PART#	
		50 Ct. 16317	

25 Cal (.257")	115 Gr. Spitzer	SD. 0.249 BC. 0.389 OAL. 1.145" PART#	
		50 Ct. 16318	

25 Cal (.257")	120 Gr. Spitzer	SD. 0.260 BC. 0.391 OAL. 1.175" PART#	
		50 Ct. 35643	

6.5mm (.264")	100 Gr. Spitzer	SD. 0.205 BC. 0.326 OAL. 0.962" PART#	
		50 Ct. 16319	

6.5mm (.264")	125 Gr. Spitzer	SD. 0.256 BC. 0.449 OAL. 1.170" PART#	
		50 Ct. 16320	

6.5mm (.264")	140 Gr. Spitzer	SD. 0.287 BC. 0.490 OAL. 1.290" PART#	
		50 Ct. 16321	

270 Cal (.277")	130 Gr. Spitzer	SD. 0.242 BC. 0.416 OAL. 1.135" PART#	
		50 Ct. 16322	

270 Cal (.277")	140 Gr. Spitzer	SD. 0.261 BC. 0.432 OAL. 1.190" PART#	
		50 Ct. 35200	

270 Cal (.277")	150 Gr. Spitzer	SD. 0.279 BC. 0.465 OAL. 1.250" PART#	
		50 Ct. 16323	

270 Cal (.277")	160 Gr. Semi Spitzer	SD. 0.298 BC. 0.434 OAL. 1.300" PART#	
		50 Ct. 16324	

7mm (.284")	140 Gr. Spitzer	SD. 0.248 BC. 0.434 OAL. 1.160" PART#	
		50 Ct. 16325	

7mm (.284")	150 Gr. Spitzer	SD. 0.266 BC. 0.456 OAL. 1.220" PART#	
		50 Ct. 16326	

7mm (.284")	160 Gr. Spitzer	SD. 0.283 BC. 0.475 OAL. 1.270" PART#	
		50 Ct. 16327	

7mm (.284")	175 Gr. Spitzer	SD. 0.310 BC. 0.519 OAL. 1.360" PART#	
		50 Ct. 35645	

30 Cal (.308")	150 Gr. Spitzer	SD. 0.226 BC. 0.387 OAL. 1.100" PART#	
		50 Ct. 16329	

30 Cal (.308")	165 Gr. Spitzer	SD. 0.248 BC. 0.410 OAL. 1.175" PART#	
		50 Ct. 16330	

30 Cal (.308")	170 Gr. Round Nose	SD. 0.256 BC. 0.252 OAL. 1.030" PART#	
		50 Ct. 16333	

30 Cal (.308")	180 Gr. Protected Point	SD. 0.271 BC. 0.361 OAL. 1.180" PART#	
		50 Ct. 25396	

30 Cal (.308")	180 Gr. Spitzer	SD. 0.271 BC. 0.474 OAL. 1.260" PART#	
		50 Ct. 16331	

30 Cal (.308")	200 Gr. Spitzer	SD. 0.301 BC. 0.481 OAL. 1.350" PART#	
		50 Ct. 35626	

30 Cal (.308")	220 Gr. Semi Spitzer	SD. 0.331 BC. 0.351 OAL. 1.370" PART#	
		50 Ct. 16332	

8mm (.323")	200 Gr. Spitzer	SD. 0.274 BC. 0.426 OAL. 1.240" PART#	
		50 Ct. 35277	

338 Cal (.338")	210 Gr. Spitzer	SD. 0.263 BC. 0.400 OAL. 1.200" PART#	
		50 Ct. 16337	

338 Cal (.338")	225 Gr. Spitzer	SD. 0.281 BC. 0.454 OAL. 1.300" PART#	
		50 Ct. 16336	

338 Cal (.338")	250 Gr. Spitzer	SD. 0.313 BC. 0.473 OAL. 1.375" PART#	
		50 Ct. 35644	

35 Cal (.358")	225 Gr. Spitzer	SD. 0.251 BC. 0.421 OAL. 1.175" PART#	
		50 Ct. 44800	

35 Cal (.358")	250 Gr. Spitzer	SD. 0.279 BC. 0.446 OAL. 1.270" PART#	
		50 Ct. 44801	

9.3mm (.366")	286 Gr. Spitzer (18.5 gram)	SD. 0.307 BC. 0.482 OAL. 1.375" PART#	
		50 Ct. 44750	

375 Cal (.375")	260 Gr. Spitzer	SD. 0.264 BC. 0.314 OAL. 1.145" PART#	
		50 Ct. 44850	

375 Cal (.375")	300 Gr. Spitzer	SD. 0.305 BC. 0.398 OAL. 1.335" PART#	
		50 Ct. 44845	

416 Cal (.416")	400 Gr. Spitzer	SD. 0.330 BC. 0.390 OAL. 1.485" PART#	
		50 Ct. 45200	

458 Cal (.458")	500 Gr. Protected Point	SD. 0.341 BC. 0.389 OAL. 1.443" PART#	
		25 Ct. 44745	

PARTITION®

PARTITION®

- 1. Unique White Polymer Tip:**
Assures accuracy, smooth chambering and eliminates tip damage during recoil.
- 2. Tapered Copper-Alloy Jacket:**
Lethal penetration and uniform expansion with maximum weight-retention and minimal barrel fouling.
- 3. Lead-Alloy Core:**
Engineered for balanced expansion.
- 4. Proprietary Bonding Process:**
Eliminates all possibility of component separation.
- 5. Boat-Tail Design:**
Boat-tail configuration combines with the streamlined polymer tip for long-range performance and for easier loading.



HIGH PERFORMANCE BONDED CORE BULLETS

Through an exclusive bonding process that eliminates voids in the bullet core, AccuBond® couples Nosler's proven copper-alloy jacket with its special lead-alloy core. The result is a bullet that flies true, penetrates deep and retains its weight, without causing extensive barrel fouling. The unique white polymer tip resists deforming and initiates expansion on impact. Nosler's Solid Base® at the rear of the bullet acts as a platform for large diameter mushrooms.

Nosler
UP FRONT



Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Deer, Bear, Elk, Moose, African Game

6mm (.243")	90 Gr. Spitzer SD. 0.218 BC. 0.376 OAL. 1.110" PART# 50 Ct. 56357
25 Cal (.257")	110 Gr. Spitzer SD. 0.238 BC. 0.418 OAL. 1.195" PART# 50 Ct. 53742
6.5mm (.264")	130 Gr. Spitzer SD. 0.266 BC. 0.488 OAL. 1.320" PART# 50 Ct. 56902
6.5mm (.264")	140 Gr. Spitzer SD. 0.287 BC. 0.509 OAL. 1.368" PART# 50 Ct. 57873
6.8mm (.277")	100 Gr. Spitzer W/Cannelure SD. 0.186 BC. 0.323 OAL. 1.050" PART# 50 Ct. 57845
6.8mm (.277")	110 Gr. Spitzer W/Cannelure SD. 0.205 BC. 0.370 OAL. 1.105" PART# 50 Ct. 54382
270 Cal (.277")	130 Gr. Spitzer SD. 0.242 BC. 0.435 OAL. 1.245" PART# 50 Ct. 54987
270 Cal (.277")	140 Gr. Spitzer SD. 0.261 BC. 0.496 OAL. 1.310" PART# 50 Ct. 54765
7mm (.284")	140 Gr. Spitzer SD. 0.248 BC. 0.485 OAL. 1.290" PART# 50 Ct. 59992
7mm (.284")	160 Gr. Spitzer SD. 0.283 BC. 0.531 OAL. 1.410" PART# 50 Ct. 54932
30 Cal (.308")	125 Gr. Spitzer SD. 0.188 BC. 0.366 OAL. 1.080" PART# 50 Ct. 52165
30 Cal (.308")	150 Gr. Spitzer SD. 0.226 BC. 0.435 OAL. 1.230" PART# 50 Ct. 56719
30 Cal (.308")	165 Gr. Spitzer SD. 0.248 BC. 0.475 OAL. 1.308" PART# 50 Ct. 55602
30 Cal (.308")	180 Gr. Spitzer SD. 0.271 BC. 0.507 OAL. 1.380" PART# 50 Ct. 54825
30 Cal (.308")	200 Gr. Spitzer SD. 0.301 BC. 0.588 OAL. 1.490" PART# 50 Ct. 54618
8mm (.323")	200 Gr. Spitzer SD. 0.274 BC. 0.450 OAL. 1.390" PART# 50 Ct. 54374
338 Cal (.338")	180 Gr. Spitzer SD. 0.225 BC. 0.372 OAL. 1.240" PART# 50 Ct. 57625
338 Cal (.338")	200 Gr. Spitzer SD. 0.250 BC. 0.414 OAL. 1.340" PART# 50 Ct. 56382

338 Cal (.338")	225 Gr. Spitzer SD. 0.281 BC. 0.550 OAL. 1.450" PART# 50 Ct. 54357
338 Cal (.338")	250 Gr. Spitzer SD. 0.313 BC. 0.575 OAL. 1.567" PART# 50 Ct. 57287
338 Cal (.338")	300 Gr. Spitzer SD. 0.375 BC. 0.720 OAL. 1.750" PART# 50 Ct. 54851
35 Cal (.358")	200 Gr. Spitzer (Whelen) SD. 0.223 BC. 0.365 OAL. 1.213" PART# 50 Ct. 54425
35 Cal (.358")	225 Gr. Spitzer (Whelen) SD. 0.251 BC. 0.430 OAL. 1.375" PART# 50 Ct. 50712
9.3mm (.366")	250 Gr. Spitzer W/Cannelure SD. 0.267 BC. 0.494 OAL. 1.395" PART# 50 Ct. 59756
375 Cal (.375")	260 Gr. Spitzer W/Cannelure SD. 0.264 BC. 0.473 OAL. 1.390" PART# 50 Ct. 54413
375 Cal (.375")	300 Gr. Spitzer W/Cannelure SD. 0.305 BC. 0.485 OAL. 1.520" PART# 50 Ct. 53662

OPTIMUM PERFORMANCE VELOCITY:

Minimum: 1800 fps (549 mps)
Maximum: Unlimited

30 CAL 165GR

1800 FPS
90% WR

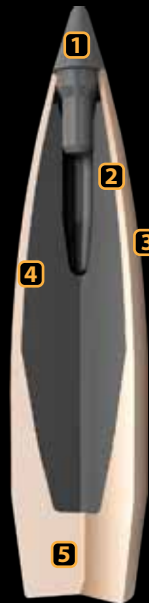
2400 FPS
77% WR

3050 FPS
60% WR





- 1 Unique Gray Polymer Tip:**
Assures accuracy, smooth chambering and eliminates tip damage during recoil.
- 2 Bonded Performance:**
Bonded for maximum weight retention and energy transfer
- 3 Tangent Ogive:**
Promotes smooth feeding and consistent seating depths
- 4 Reliable expansion:**
Reliable expansion across the widest range of velocities of any Nosler hunting bullet
- 5 High-performance boat-tail:**
Enhanced boat-tail for maximized B.C. and increased weight retention



0.730

IS JUST A NUMBER
A BIG ONE

But a high B.C. won't mean a thing until you hold it in your hand. Until you load it into brass. Until you drop your trophy decisively. From up close - at long range - and everywhere in between. It's then that you will believe. This is more than just a number.

THIS ONE HAS WEIGHT BEHIND IT.

TECHNICAL NOTE

*When loading the AccuBond®-LR bullet, Nosler ballisticians have found that loading to the maximum SAAMI cartridge overall length tends to provide best accuracy.

Nosler
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Deer, Bear, Elk, Moose, African Game

6.5mm (.264")	129 Gr. Spitzer	SD. 0.264 BC. 0.561 OAL. 1.350"	PART#
		100 Ct. 58943	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.561	0.285

6.5mm (.264")	142 Gr. Spitzer	SD. 0.291 BC. 0.719 OAL. 1.450"	PART#
		100 Ct. 58922	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.719	0.320

270 Cal (.277")	150 Gr. Spitzer	SD. 0.279 BC. 0.625 OAL. 1.390"	PART#
		100 Ct. 58836	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.625	0.317

7mm (.284")	150 Gr. Spitzer	SD. 0.266 BC. 0.611 OAL. 1.380"	PART#
		100 Ct. 58734	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.611	0.309

7mm (.284")	168 Gr. Spitzer	SD. 0.298 BC. 0.652 OAL. 1.490"	PART#
		100 Ct. 58623	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.652	0.353

7mm (.284")	175 Gr. Spitzer	SD. 0.310 BC. 0.672 OAL. 1.510"	PART#
		100 Ct. 58517	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.672	0.364

30 Cal (.308")	168 Gr. Spitzer	SD. 0.253 BC. 0.598 OAL. 1.390"	PART#
		100 Ct. 58455	NEW
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.598	0.298

30 Cal (.308")	190 Gr. Spitzer	SD. 0.286 BC. 0.640 OAL. 1.460"	PART#
		100 Ct. 58456	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.640	0.325

30 Cal (.308")	210 Gr. Spitzer	SD. 0.316 BC. 0.730 OAL. 1.550"	PART#
		100 Ct. 58317	
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.730	0.366

338 Cal (.338")	265 Gr. Spitzer	SD. 0.331 BC. 0.778 OAL. 1.700"	PART#
		100 Ct. 58454	NEW
G1 Ballistic Coefficient	G7 Ballistic Coefficient	0.778	0.380

OPTIMUM PERFORMANCE
VELOCITY:

Minimum: 1300 fps (396 mps)
Maximum: 3400 fps (1036 mps)



7MM 175GR

The AccuBond® -Long Range (LR) bullet line was developed in response to the escalating demand from long-range hunters who were asking for a hunting bullet that could keep up with today's level of high-grade optics and ultra-high velocity cartridges in order to stretch practical shooting yardages past 1,000 yards; yet still perform on big-game animals. In order to accommodate these extreme parameters, the AccuBond® -LR bullet was designed to have a minimum impact velocity of 1300fps in order to reliably expand or mushroom at those much longer distances, compared to the 1800fps minimum impact velocity of all other Nosler® hunting bullets. Now what about close range performance? Because the lead core is bonded to the copper jacket, the AccuBond®-LR bullet will hold up to extreme velocities. To further assist performance at such a wide range of impact velocities, the copper jacket is tapered, meaning it is thin at the nose, becoming much thicker towards the boat-tail base. The final challenge was to give this bullet the highest Ballistic Coefficient in its class while still stabilizing in a standard twist barrel-which we did.

Due to Nosler's unique manufacturing capabilities, we were able to produce a bonded-core, hunting bullet that has an impact velocity range of 1300-3400fps and the highest Ballistic Coefficient offered in production hunting bullets today.



ACCUBOND® LONG-RANGE

ACCUBOND® LONG-RANGE

BALLISTIC TIP®
HUNTING

- 1 Nosler Ballistic Tip®:**
Streamlined polymer tip, color-coded by caliber, resists deformation in the magazine and initiates expansion upon impact.

2 Fully-Tapered Jacket and Special Lead-Alloy Core:
Allows controlled expansion and optimum weight retention at all practical velocity levels. The heavy jacketed base prevents bullet deformation during firing.

3 Heavy Jacketed Base:
Acts as a platform for large-diameter mushroom.

4 Ballistically Engineered Solid Base®:
Boat tail configuration combines with the streamlined polymer tip for extreme long-range performance and for easier loading.



The more you hunt, the more you start to realize how unpredictable and unforgiving nature can be, which is why we engineered the Ballistic Tip® Hunting bullet to be very predictable and extremely forgiving. Whether you're after whitetails, blacktails, mulies or pronghorns, Ballistic Tip® bullets deliver the kind of accuracy, consistency and down-range punch required for putting down that buck in any situation. The combination of performance and versatility that Nosler® has built into these bullets has resulted in over 30 years of successful hunts for sportsmen across the country – and around the world.

These bullets deliver the accuracy, consistency and down-range punch required for clean kills in all situations. These flat-shooting, wind-defying bullets utilize ballistic-designed boat-tails and polymer tips to increase long-range efficiency and protect against tip damage in the magazine. Unique tapered jacket provides controlled expansion at all practical ranges and velocities.

TIP COLOR BY CALIBER			
6MM	25 CAL	7MM	30 CAL
6.5MM	8MM		
270 CAL	458 CAL		



Nosler®
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Deer, Antelope, Hogs

6mm (.243") 90 Gr. Spitzer (Purple Tip) SD. 0.218 BC. 0.365 OAL. 1.071" PART# 50 Ct. 24090	6.5mm (.264") 140 Gr. Spitzer (Brown Tip) SD. 0.287 BC. 0.509 OAL. 1.350" PART# 50 Ct. 26140	7mm (.284") 150 Gr. Spitzer (Red Tip) SD. 0.266 BC. 0.493 OAL. 1.300" PART# 50 Ct. 28150
6mm (.243") 95 Gr. Spitzer (Purple Tip) SD. 0.230 BC. 0.379 OAL. 1.115" PART# 50 Ct. 24095	270 Cal (.277") 130 Gr. Spitzer (Yellow Tip) SD. 0.242 BC. 0.433 OAL. 1.220" PART# 50 Ct. 27130	30 Cal (.308") 125 Gr. Spitzer (Green Tip) SD. 0.188 BC. 0.366 OAL. 1.060" PART# 50 Ct. 30125
25 Cal (.257") 100 Gr. Spitzer (Blue Tip) SD. 0.216 BC. 0.393 OAL. 1.115" PART# 50 Ct. 25100	270 Cal (.277") 140 Gr. Spitzer (Yellow Tip) SD. 0.261 BC. 0.456 OAL. 1.296" PART# 50 Ct. 27140	30 Cal (.308") 150 Gr. Spitzer (Green Tip) SD. 0.226 BC. 0.435 OAL. 1.280" PART# 50 Ct. 30150
25 Cal (.257") 115 Gr. Spitzer (Blue Tip) SD. 0.249 BC. 0.453 OAL. 1.207" PART# 50 Ct. 25115	270 Cal (.277") 150 Gr. Spitzer (Yellow Tip) SD. 0.279 BC. 0.496 OAL. 1.350" PART# 50 Ct. 27150	30 Cal (.308") 165 Gr. Spitzer (Green Tip) SD. 0.248 BC. 0.475 OAL. 1.290" PART# 50 Ct. 30165
6.5mm (.264") 100 Gr. Spitzer (Brown Tip) SD. 0.205 BC. 0.350 OAL. 1.080" PART# 50 Ct. 26100	7mm (.284") 120 Gr. Spitzer (Red Tip) SD. 0.213 BC. 0.417 OAL. 1.130" PART# 50 Ct. 28120	30 Cal (.308") 168 Gr. Spitzer (Green Tip) SD. 0.253 BC. 0.490 OAL. 1.307" PART# 50 Ct. 30168
6.5mm (.264") 120 Gr. Spitzer (Brown Tip) SD. 0.246 BC. 0.458 OAL. 1.220" PART# 50 Ct. 26120	7mm (.284") 140 Gr. Spitzer (Red Tip) SD. 0.248 BC. 0.485 OAL. 1.255" PART# 50 Ct. 28140	30 Cal (.308") 180 Gr. Spitzer (Green Tip) SD. 0.271 BC. 0.507 OAL. 1.360" PART# 50 Ct. 30180

30 Cal (.308") 220 Gr. Round Nose (Green Tip) SD. 0.331 BC. 0.472 OAL. 1.420" PART# 50 Ct. 30181 NEW	Subsonic 300 Blackout- 220gr. RNBT 1000 FPS 12" PEN 95% WR GEL
8mm (.323") 180 Gr. Spitzer (Gunmetal Tip) SD. 0.246 BC. 0.394 OAL. 1.280" PART# 50 Ct. 32180	OPTIMUM PERFORMANCE VELOCITY: Minimum: 1800 fps (549 mps) / Maximum: 3200 fps (975 mps)
458 Cal (.458") 300 Gr. Spitzer (Orange Tip) SD. 0.204 BC. 0.250 OAL. 0.960" PART# 50 Ct. 31456	1800 FPS 86% WR 2400 FPS 74% WR 3050 FPS 60% WR



BALLISTIC TIP®

BALLISTIC TIP®

1 Polymer Silvertip:

Polymer Silvertip prevents deformation in the magazine.

2 Lubalox® Exterior Coating:

Reduces fouling, pressure and friction between bullet and bore; provides longer barrel life, easier cleaning and enhanced accuracy.

3 Fully Tapered Jacket and Special Lead-Alloy Core:

Allows controlled expansion and optimum weight retention at all practical velocity levels. The heavy jacketed base prevents bullet deformation during firing.

4 Heavy Jacketed Base:

Acts as a platform for large- diameter mushroom.

5 Ballistically Engineered Solid Base®:

Boat-tail configuration combines with the streamlined polymer tip for extreme long-range performance and for easier loading.



HUNTING

- Legendary Ballistic Tip® Performance
- Defining Silver Polymer Tip
- Lubalox® Exterior Coating
- Non-Moly Coating Which Allows More Shots Between Cleaning

30 CAL 168GR

OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1800 fps (549 mps) / Maximum: 3200 fps (975 mps)

1800 FPS 86% WR	2400 FPS 74% WR	3050 FPS 60% WR
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VARMINT

OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1600 fps (488mps)
Maximum: Unlimited

- Ultra-Thin Jacket Mouth
- Heavy Jacket Base
- Lubalox® Exterior Coating
- Non-Moly Coating Which Allows More Shots Between Cleaning
- Exceptional Accuracy

1 Polymer Silvertip:

Polymer Silvertip prevents deformation in the magazine.

2 Ultra-Thin Jacket Mouth:

Assures violent expansion at either end of the velocity scale.

3 Lubalox® Exterior Coating:

Reduces fouling, pressure and friction between bullet and bore; provides longer barrel life, easier cleaning and enhanced accuracy.

4 Varmint Jacket Wall Design:

The uniform, gradual thickening at the bullet's mid-section is designed to keep the Ballistic Tip® Varmint together until impact – at any velocity.



Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

HUNTING

GAME RECOMMENDATIONS
Deer, Antelope, Hogs

6mm (.243")	95 Gr. Spitzer (Silver Tip)	SD. 0.230 BC. 0.379 OAL. 1.115" PART#	50 Ct. 51040

25 Cal (.257")	115 Gr. Spitzer (Silver Tip)	SD. 0.249 BC. 0.453 OAL. 1.205" PART#	50 Ct. 51050

270 Cal (.277")	130 Gr. Spitzer (Silver Tip)	SD. 0.242 BC. 0.433 OAL. 1.215" PART#	50 Ct. 51075

270 Cal (.277")	150 Gr. Spitzer (Silver Tip)	SD. 0.279 BC. 0.496 OAL. 1.350" PART#	50 Ct. 51100

7mm (.284")	140 Gr. Spitzer (Silver Tip)	SD. 0.248 BC. 0.485 OAL. 1.255" PART#	50 Ct. 51105

7mm (.284")	150 Gr. Spitzer (Silver Tip)	SD. 0.266 BC. 0.493 OAL. 1.300" PART#	50 Ct. 51110

30 Cal (.308")	150 Gr. Spitzer (Silver Tip)	SD. 0.226 BC. 0.435 OAL. 1.280" PART#	50 Ct. 51150

30 Cal (.308")	150 Gr. Round Nose (Silver Tip)	SD. 0.226 BC. 0.232 OAL. 1.066" PART#	50 Ct. 51165

30 Cal (.308")	168 Gr. Spitzer (Silver Tip)	SD. 0.253 BC. 0.490 OAL. 1.307" PART#	50 Ct. 51160

30 Cal (.308")	180 Gr. Spitzer (Silver Tip)	SD. 0.271 BC. 0.507 OAL. 1.360" PART#	50 Ct. 51170

338 Cal (.338")	200 Gr. Spitzer (Silver Tip)	SD. 0.250 BC. 0.414 OAL. 1.340" PART#	50 Ct. 51200

45 Cal (.458")	300 Gr. Round Nose (Silver Tip)	SD. 0.204 BC. 0.191 OAL. 0.915" PART#	50 Ct. 51834

Look for CT® Ballistic Silvertip® bullets in Winchester® Supreme® Ammunition

CT®, Combined Technology and Ballistic Silvertip® are joint-registered trademarks of Nosler, Inc. and Olin- Winchester®. Winchester®, Supreme™, and Lubalox® are registered trademarks of Olin-Winchester®.

VARMINT

GAME RECOMMENDATIONS
Varmints

22 Cal (.224")	50 Gr. Spitzer (Silver Tip)	SD. 0.142 BC. 0.238 OAL. 0.795" PART#	100 Ct. 51010

22 Cal (.224")	55 Gr. Spitzer (Silver Tip)	SD. 0.157 BC. 0.267 OAL. 0.810" PART#	100 Ct. 51031

6mm (.243")	55 Gr. Spitzer (Silver Tip)	SD. 0.133 BC. 0.276 OAL. 0.790" PART#	100 Ct. 51030

What is Lubalox®?

Lubalox® is the trade name Winchester uses to describe a black oxide process. It is a very thin oxide bullet coating, often compared to the bluing on a steel firearm.

What are the benefits of Lubalox®?

The primary benefit of Lubalox is reduced barrel fouling. The process creates a surface on the bullet jacket, which increases the number of shots possible between cleanings. Unlike moly-coated bullets, Lubalox-coated bullets leave the barrel residue-free and do not require barrel "seasoning". Additionally, unlike uncoated bullets that tarnish over time, Lubalox protects the surface of the bullet jacket, keeping it looking like new.

Will Lubalox® harm the gun barrel?

Lubalox does not harm the barrel. In fact, testing shows that the coating often reduces barrel fouling.

Lubalox® coating is not a Moly coating.



BALLISTIC TIP®
VARMINT

- 1 Nosler Ballistic Tip®:**
Nestled in the jacket mouth is the streamlined polymer tip, color-coded by caliber.
- 2 Ultra-Thin Jacket Mouth:**
Assures violent expansion at either end of the velocity scale.
- 3 Varmint Jacket Wall Design:**
The uniform, gradual thickening at the bullet's mid-section is designed to keep the Ballistic Tip® Varmint together until impact-at any velocity.
- 4 Ballistically Engineered Solid Base®:**
Boat tail configuration combines with the stream-lined polymer tip for extreme long-range performance and for easier loading.



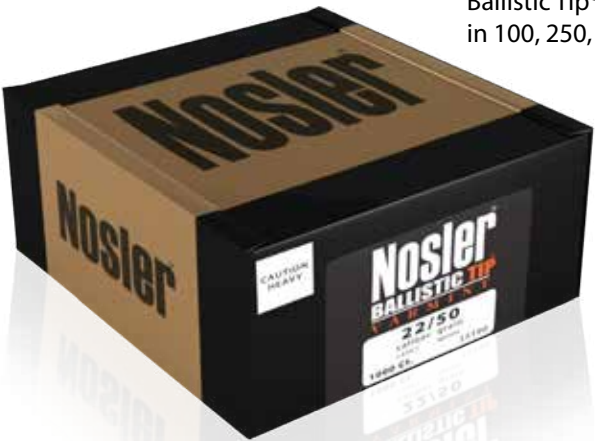
TIP COLOR BY CALIBER

204 CAL
22 CAL
6MM
25 CAL

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Varmint

204 Cal (.204")	32 Gr. Spitzer (Maroon Tip) SD. 0.110 BC. 0.206 OAL. 0.640"	PART# 100 Ct. 35216 250 Ct. 39573
204 Cal (.204")	40 Gr. Spitzer (Maroon Tip) SD. 0.137 BC. 0.239 OAL. 0.730"	PART# 100 Ct. 52111 250 Ct. 39521
22 Cal (.224")	40 Gr. Spitzer (Orange Tip) SD. 0.114 BC. 0.221 OAL. 0.705"	PART# 100 Ct. 39510 250 Ct. 39555 1000 Ct. 62634
22 Cal (.224")	50 Gr. Spitzer (Orange Tip) SD. 0.142 BC. 0.238 OAL. 0.800"	PART# 100 Ct. 39522 250 Ct. 39557 1000 Ct. 15190
22 Cal (.224")	55 Gr. Spitzer (Orange Tip) SD. 0.157 BC. 0.267 OAL. 0.810"	PART# 100 Ct. 39526 250 Ct. 39560 1000 Ct. 11288
22 Cal (.224")	60 Gr. Spitzer (Orange Tip) SD. 0.171 BC. 0.270 OAL. 0.851"	PART# 100 Ct. 34992 250 Ct. 39473
6mm (.243")	55 Gr. Spitzer (Purple Tip) SD. 0.133 BC. 0.276 OAL. 0.787"	PART# 100 Ct. 24055 250 Ct. 39565
6mm (.243")	70 Gr. Spitzer (Purple Tip) SD. 0.169 BC. 0.310 OAL. 0.910"	PART# 100 Ct. 39532 250 Ct. 39570
6mm (.243")	80 Gr. Spitzer (Purple Tip) SD. 0.194 BC. 0.329 OAL. 0.990"	PART# 100 Ct. 24080
25 Cal (.257")	85 Gr. Spitzer (Blue Tip) SD. 0.183 BC. 0.329 OAL. 1.000"	PART# 100 Ct. 43004



Ballistic Tip® Varmint bullets are packaged in 100, 250, and 1000 count boxes.

LONG-RANGE BALLISTICS, STRUCTURAL INTEGRITY AND EXPLOSIVE EXPANSION

Nosler® Ballistic Tip® Varmint bullets thrive on ultra-high velocity loads yet will go the distance with spectacular results all the way down to the lowest practical velocity levels. This is made possible by the proprietary manufacturing process that allows for several key benefits for varmint shooters. First, the BT Varmint has a solid, boat-tail base for increased ballistic coefficient and ease of reloading. Second, it is constructed with thick jacket walls, eliminating the chance of air solubility at extreme velocities. Third, the jacket thins at the nose of the bullet which combined with the polymer tip creates rapid and explosive expansion. Fast or slow, near or far, no matter what rifle /cartridge combination you're shooting or what varmint you're shooting at, Nosler® Ballistic Tip® Varmint delivers match-grade accuracy with all the performance characteristics serious varminters are looking for.

OPTIMUM PERFORMANCE VELOCITY:

Minimum: 1600 fps (488mps)
Maximum: Unlimited

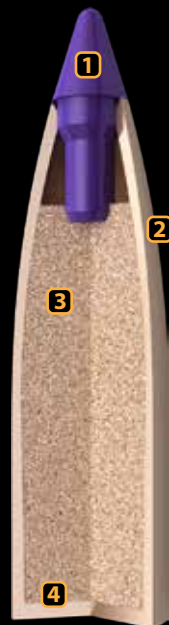


BALLISTIC TIP®

BALLISTIC TIP®



- 1 Unique Metallic- Colored Polymer Tip:**
Nestled in the jacket mouth is the streamlined polymer tip, color-coded by caliber.
- 2 Ultra-Thin Copper Jacket:**
Retains structural integrity at ultra-high velocities yet fragments completely upon impact
- 3 Fragmenting Copper Core:**
Allows rapid and absolute displacement of target
- 4 Flat Base:**
Ballistically engineered for ultra-high velocities and bench rest accuracy



THE WORLD'S MOST ADVANCED VARMINT BULLET



Nosler
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Varmints, Targets

204 Cal (.204")	32 Gr. Spitzer (Metallic Maroon Tip) SD. 0.110 BC. 0.228 OAL. 0.745"	PART# 100 Ct. 45140
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22 Cal (.224")	35 Gr. Spitzer (Metallic Orange Tip) SD. 0.100 BC. 0.201 OAL. 0.730"	PART# 100 Ct. 45150
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22 Cal (.224")	40 Gr. Spitzer (Metallic Orange Tip) SD. 0.114 BC. 0.220 OAL. 0.783"	PART# 100 Ct. 45160
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22 Cal (.224")	50 Gr. Spitzer (Metallic Orange Tip) SD. 0.142 BC. 0.251 OAL. 0.900"	PART# 100 Ct. 45498
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6mm (.243")	55 Gr. Spitzer (Metallic Purple Tip) SD. 0.133 BC. 0.288 OAL. 0.950"	PART# 100 Ct. 45170
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- **Metallic-Colored Polymer Tip**
- **Explosive Expansion**
- **Patented Fragmenting Copper Core™ Technology**
- **Certified For Use In All Non-Lead Zones**

OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1600 fps (488mps) / Maximum: Unlimited



Gel block test illustrates how the Ballistic Tip® Lead Free patented Fragmenting Copper Core™ technology results in complete fragmentation within the first 2 inches of penetration.

LONG-RANGE BALLISTICS, STRUCTURAL INTEGRITY, AND EXPLOSIVE EXPANSION

The Ballistic Tip® Lead-Free™ (BTLF) is everything that varmint and predator hunters expect from a Ballistic Tip®, in a lead-free design. The flat-based, leadless bullet features Nosler's exclusive Fragmenting Copper Core™ Technology which exhibits immediate and rapid expansion, initiated by its metallic-colored polymer tip, at practical varmint shooting velocities of 1600 fps and above.

The BTLF™ can safely be used in all lead-free zones or shooting ranges that require non-magnetic bullets. Users can be confident of the same performance and quality that the Ballistic Tip® has made famous for more than 25 years.



BTLF™ Bullets Loaded In Nosler® Trophy Grade™
Varmint Ammunition



BTLF™

BTLF™

E-TIP[®]

EXPANSION TIP

1 Signature OD Green Polymer Tip:
Nosler's advanced polymer tip initiates expansion while delivering unsurpassed penetration and weight retention.

2 E² Cavity™:
The exclusive Energy Expansion Cavity™ provides a dual-expansion chamber for amazing stopping power and uniform expansion with 95%+ weight retention for superior penetration.

3 Solid Copper-Alloy Construction:
Nosler's one-piece design meets all "lead-free" hunting regulations without sacrificing performance.

4 Boat-Tail Design:
Boat-tail configuration combines with the streamlined polymer tip for extreme long-range performance and for easier loading.



Nosler's E-Tip[®] bullet has quickly become one of the favorite hunting bullets of Nosler[®] employees, and for good reason. With Nosler's exclusive E2 Cavity™ [Energy Expansion Cavity™] that allows for immediate expansion at impact velocities as low as 1800fps, yet maintains 95% weight retention at unlimited impact velocities for maximum penetration. These benefits translate to a hunting bullet with rapid, yet controlled, four-leaf expansion at a wide range of velocities for maximum energy transfer along with the added benefit of high weight retention for deep, destructive wound channels.

"We took our 60+ years of bullet manufacturing experience and the depth of our knowledge into the design of this bullet. Our goal was to make a lead-free projectile that expanded like a lead-core bullet yet maintained nearly 100% weight retention for maximum penetration. The successful result is the Nosler E-Tip[®] bullet."

Bob Nosler, President/CEO Nosler, Inc.



Nosler
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Deer, Bear, Elk, Moose, African Game

22 Cal (.224")	55 Gr. Spitzer SD. 0.157 BC. 0.305 OAL. 0.900"	PART#	7mm (.284")	140 Gr. Spitzer SD. 0.248 BC. 0.489 OAL. 1.350"	PART#	8mm (.323")	180 Gr. Spitzer SD. 0.246 BC. 0.427 OAL. 1.387"	PART#
								
50 Ct. 59624			50 Ct. 59955			50 Ct. 59265		
6mm (.243")	90 Gr. Spitzer SD. 0.218 BC. 0.403 OAL. 1.180"	PART#	7mm (.284")	150 Gr. Spitzer SD. 0.266 BC. 0.498 OAL. 1.425"	PART#	338 Cal (.338")	200 Gr. Spitzer SD. 0.250 BC. 0.425 OAL. 1.427"	PART#
								
50 Ct. 59165			50 Ct. 59426			50 Ct. 59186		
Requires a 1-9" Twist								
25 Cal (.257")	100 Gr. Spitzer SD. 0.216 BC. 0.409 OAL. 1.195"	PART#	30/30 (.308")	150 Gr. Round Nose SD. 0.226 BC. 0.344 OAL. 1.165"	PART#	338 Cal (.338")	225 Gr. Spitzer SD. 0.281 BC. 0.611 OAL. 1.460"	PART#
								
50 Ct. 59456			50 Ct. 59451			50 Ct. 59372		
6.5mm (.264")	120 Gr. Spitzer SD. 0.246 BC. 0.497 OAL. 1.400"	PART#	30 Cal (.308")	150 Gr. Spitzer SD. 0.226 BC. 0.469 OAL. 1.293"	PART#	Uniform Expansion With 95%+ Weight Retention For Superior Penetration • OD Green Polymer Tip • Expansion Tip • E2 Cavity™ • Solid Gilding Metal Construction • Lead-Free • 95% Weight Retention		
								
50 Ct. 59765			50 Ct. 59378					
6.8mm (.277")	85 Gr. Spitzer SD. 0.158 BC. 0.273 OAL. 1.001"	PART#	30 Cal (.308")	168 Gr. Spitzer SD. 0.253 BC. 0.503 OAL. 1.400"	PART#			
								
50 Ct. 59543			50 Ct. 59415					
270 Cal (.277")	130 Gr. Spitzer SD. 0.242 BC. 0.459 OAL. 1.323"	PART#	30 Cal (.308")	180 Gr. Spitzer SD. 0.271 BC. 0.523 OAL. 1.464"	PART#			
								
50 Ct. 59298			50 Ct. 59180					

OPTIMUM PERFORMANCE VELOCITY:

Minimum: 1800 fps (549 mps)
Maximum: Unlimited

30 CAL 168GR

1800 FPS
98% WR



2400 FPS
98% WR



3050 FPS
98% WR



SOLID™

DANGEROUS GAME

1 Flat-Nose Design:

Reduces deflection off of bone and muscle for deep penetration and an impressively straight wound channel.

2 Concentric Design:

Seating groove produces optimal load versatility

3 Solid™ Bullet Construction:

Lead-free alloy delivers lethal penetration.



Nosler®
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

GAME RECOMMENDATIONS
Dangerous Game

9.3mm (.366")	286 Gr. Solid SD. 0.307 BC. 0.350 OAL. 1.410"	PART# 25 Ct. 29825

470 NE (.474")	500 Gr. Solid SD. 0.318 BC. 0.237 OAL. 1.500"	PART# 25 Ct. 28455

375 Cal (.375")	260 Gr. Solid SD. 0.264 BC. 0.254 OAL. 1.244"	PART# 25 Ct. 29755

375 Cal (.375")	300 Gr. Solid SD. 0.305 BC. 0.300 OAL. 1.417"	PART# 25 Ct. 28451

416 Cal (.416")	400 Gr. Solid SD. 0.330 BC. 0.289 OAL. 1.523"	PART# 25 Ct. 23654

458 Cal (.458")	500 Gr. Solid SD. 0.341 BC. 0.246 OAL. 1.530"	PART# 25 Ct. 27452



Solid™ Bullets Are Available Loaded In Safari Ammunition.

ALWAYS HAVE A PH BACK-UP WHEN TAKING DANGEROUS GAME

The Nosler® Solids™ are exactly that – Solid. Nosler® engineers were challenged to design an unrivaled dangerous game bullet that would create the deepest wound channel possible, reliably feed in a bolt action rifle, and share the same point of impact as the Nosler® Partition® of equal caliber and weight. Needless to say, our engineers had their work cut out for them but in true Nosler® fashion, they exceeded expectations.

The first step was to mill Nosler® Solids™ from a homogeneous billet of brass alloy in order to maximize strength, consistency and concentricity. The bullet design starts with a large, flat-nose meplat to minimize deflection off of bone and muscle to punch an impressively long and straight wound channel, even on raking shots. The rebated front section of the bullet was designed to match the chamber pressure of the Nosler® Partition® of equal caliber and weight in order to achieve same point of impact for both bullets at typical hunting ranges and velocities. The precision-cut band allows for tight crimping to ensure each bullet is properly seated and to prevent bullet setback during firing.

Whether being used for initial shots on elephant or follow-up shots on Cape buffalo, Nosler® Solids™ will give you the bone crushing performance needed when your life is on the line.



SOLID™

SOLID™



For those wanting to squeeze the most performance from their competition rifle, Nosler's new RDF (Reduced Drag Factor) match bullet line is the ideal choice.

Nosler's RDF line was designed from the ground up to provide exceptionally high BCs, which create the flattest trajectory and least wind drift possible. The keys to the RDF's outstanding performance are Nosler's meticulously optimized compound ogive and long, drag reducing boattail, which make handloading a snap and create an incredibly sleek form factor. RDF bullets also have the smallest, most consistent meplats of any hollow point match bullet line, so there is no need to point or trim tips.

Highest B.C.'s, smallest meplat, tighter groups – Nosler RDF.



- 1 Very Small Meplat
-No trimming or Pointing required
- 2 Compound ogive is insensitive to seating depth
- 3 High BC for flatter trajectory and reduced wind drift

Nosler
UP FRONT

ULTRA-HIGH BC MATCH BULLETS

Caliber SD = Sectional Density OAL =
Diameter BC = Ballistic Coefficient Overall Length

COMPETITION PROJECTILES

22 Cal (.224")	70 Gr. HPBT SD. 0.199 BC. 0.416 OAL. 0.965" PART#	6.5mm (.264")	140 Gr. HPBT SD. 0.287 BC. 0.658 OAL. 1.420" PART#
	100 Ct. 53066 500 Ct. 53067		100 Ct. 49824 500 Ct. 49825
G1 Ballistic Coefficient 0.416	G7 Ballistic Coefficient 0.211	G1 Ballistic Coefficient 0.658	G7 Ballistic Coefficient 0.330
6mm (.243")	105 Gr. HPBT SD. 0.254 BC. 0.571 OAL. 1.250" PART#	30 Cal (.308")	175 Gr. HPBT SD. 0.264 BC. 0.536 OAL. 1.330" PART#
	100 Ct. 53410 500 Ct. 53411		100 Ct. 53170 500 Ct. 53171
G1 Ballistic Coefficient 0.571	G7 Ballistic Coefficient 0.280	G1 Ballistic Coefficient 0.536	G7 Ballistic Coefficient 0.270



THE POINT

IS THE POINT



RDF BULLETS FEATURE THE SMALLEST MEPLAT
OF ANY NON-TIPPED MATCH BULLET.

Nosler knows what gives competitive shooters an edge, isn't an edge at all. It's a point. And we've worked hard to bring you the smallest one ever—creating the flattest shooting match bullet on the market. Make the switch to RDF and put yourself on the podium.

CUSTOM COMPETITION™

THE NEW MATCH STANDARD

- 1 Hollow Point:**
Provides small meplat for reduced drag and increased aerodynamic efficiency.
- 2 Custom Quality Jacket:**
Engineered to exhibit unmatched accuracy.
- 3 Form-Fitted, Lead-Alloy Core:**
For maximum bullet stability and balance.
- 4 Pronounced Boat-Tail Design:**
Provides excellent flight characteristics over a range of velocities.



LOOKING FOR CONSISTENCY?

- Dedicated Machinery Means Uniform Consistency
- Production Lots Are Never Mixed
- Each Bullet is Visually Inspected
- Our Quality is Legendary!

Nosler
UP FRONT

THE NEW MATCH STANDARD™

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

COMPETITION PROJECTILES

22 Cal (.224")	52 Gr. HPBT SD. 0.148 BC. 0.220 OAL. 0.730"	PART#	100 Ct. 53294 250 Ct. 53335 1000 Ct. 59741
22 Cal (.224")	69 Gr. HPBT SD. 0.196 BC. 0.305 OAL. 0.900"	PART#	100 Ct. 17101 250 Ct. 53065 1000 Ct. 65823
22 Cal (.224")	77 Gr. HPBT W/Cannelure SD. 0.219 BC. 0.340 OAL. 0.980"	PART#	250 Ct. 53033
22 Cal (.224")	77 Gr. HPBT SD. 0.219 BC. 0.340 OAL. 0.980"	PART#	100 Ct. 22421 250 Ct. 53064 1000 Ct. 19254
22 Cal (.224")	80 Gr. HPBT SD. 0.228 BC. 0.415 OAL. 1.065"	PART#	100 Ct. 25116 250 Ct. 53080 1000 Ct. 49563
6mm (.243")	105 Gr. HPBT SD. 0.254 BC. 0.517 OAL. 1.230"	PART#	100 Ct. 53614 250 Ct. 16328
6mm (.243")	107 Gr. HPBT SD. 0.259 BC. 0.525 OAL. 1.240"	PART#	100 Ct. 49742 250 Ct. 45425
6.5mm (.264")	123 Gr. HPBT SD. 0.252 BC. 0.510 OAL. 1.200"	PART#	100 Ct. 53415 250 Ct. 53440
6.5mm (.264")	140 Gr. HPBT SD. 0.287 BC. 0.529 OAL. 1.307"	PART#	100 Ct. 26725 250 Ct. 49823 1000 Ct. 50379
6.8mm (.277")	115 Gr. HPBT W/Cannelure SD. 0.214 BC. 0.375 OAL. 0.965"	PART#	100 Ct. 45357 250 Ct. 53846
7mm (.284")	168 Gr. HPBT SD. 0.298 BC. 0.520 OAL. 1.290"	PART#	100 Ct. 53418 250 Ct. 53425
30 Cal (.308")	140 Gr. HPBT W/Cannelure SD. 0.211 BC. 0.396 OAL. 1.010"	PART#	100 Ct. 53152 250 Ct. 53070
30 Cal (.308")	155 Gr. HPBT SD. 0.233 BC. 0.450 OAL. 1.145"	PART#	100 Ct. 53155 250 Ct. 53169 1000 Ct. 45369
30 Cal (.308")	168 Gr. HPBT SD. 0.253 BC. 0.462 OAL. 1.200"	PART#	100 Ct. 53164 250 Ct. 53168 1000 Ct. 65934
30 Cal (.308")	175 Gr. HPBT SD. 0.264 BC. 0.505 OAL. 1.240"	PART#	100 Ct. 53952 250 Ct. 53167
30 Cal (.308")	190 Gr. HPBT SD. 0.286 BC. 0.530 OAL. 1.343"	PART#	100 Ct. 53412 250 Ct. 59156 1000 Ct. 51268
30 Cal (.308")	220 Gr. HPBT SD. 0.331 BC. 0.690 OAL. 1.530"	PART#	100 Ct. 53154
8mm (.323")	200 Gr. HPBT SD. 0.274 BC. 0.520 OAL. 1.325"	PART#	100 Ct. 49524 250 Ct. 56543

338 Cal (.338")	300 Gr. HPBT SD. 0.375 BC. 0.800 OAL. 1.725"	PART#	100 Ct. 53515
45 Cal (.451")	185 Gr. JHP SD. 0.130 BC. 0.142 OAL. 0.530"	PART#	250 Ct. 44847 1000 Ct. 53264



Nosler® has blended the accuracy of its Custom Competition® bullet jackets with its own ultra-precise, lead-alloy cores to create the performance standard for match rifle and pistol bullets. The hollow point provides a small meplat for reduced drag and increased aerodynamic efficiency while the pronounced boat-tail design provides efficient flight characteristics over a wide range of velocities.

Try a box of Nosler® Custom Competition® bullets today and experience the new match standard.



CUSTOM COMPETITION®

CUSTOM COMPETITION®

BONDED SOLID BASE® BULLETS

BONDED PERFORMANCE

1 Protected Point Design:

Ensures reliable feeding in both bolt action and semi-automatic platforms.

2 AccuBond® Bonding Process:

Welds the copper jacket to the lead core to prevent core/jacket separation for maximized weight retention.

3 Well-Defined Cannelure:

Permits a tight crimp that eliminates bullet movement within the case during recoil, ensuring reliable feeding in semi-automatic rifles.

4 Solid Base®:

Solid Base® construction ensures straight-line penetration.



Nosler's Bonded Solid Base® bullet line-up is comprised of .22-64 grain, 6.8mm-90 grain and .308-168 grain offerings due to consumer demand for a projectile that offers controlled expansion, high weight retention and deep penetration but optimized for use in AR platform rifles. Bonded Solid Base® bullets are excellent for big-game hunting as well as personal defense.

The Bonded Solid Base® bullet features a Protected Point design for reliable feeding in both bolt action and semi-automatic rifles.

The tapered jacket ensures controlled expansion while the proprietary bonding process prevents fragmentation and guarantees high weight retention. The AccuBond® bonding process welds the copper jacket to the lead core to virtually eliminate the possibility of core/jacket separation. Solid Base® construction supports the mushroom for wide wound channels and deep, barrier blind penetration.

- Reliable feeding
- High Weight Retention
- Maximum Penetration
- Reliable expansion

Due to high demand from muzzleloader enthusiasts, Nosler introduced the Jim Shockey Signature Series Ballistic Tip® MZ bullet in 2013. The Ballistic Tip® MZ was created to bring legendary Nosler® Ballistic Tip® rifle bullet accuracy and terminal performance to today's generation of high performance muzzleloading rifles. This new bullet is designed with an orange polymer tip and streamlined ogive to maximize effective shooting range. The polymer tip also assists in initiating bullet expansion upon target impact which is a signature of the Ballistic Tip® line. Created specifically for the lower velocities generated by muzzleloading rifles, the Ballistic Tip® MZ provides reliable expansion and deep penetration over a broad range of velocities.



BALLISTIC TIP®

MUZZLE MZ LOADER

1 Orange Polymer Tip:

Maximizes effective range and initiates expansion.

2 Lead-Alloy Core:

Engineered for balanced expansion.

3 Nosler Design:

Designed for reliable expansion at muzzleloader velocities.



Caliber SD = Sectional Density OAL = Diameter BC = Ballistic Coefficient Overall Length

22 Cal (.224")	64 Gr. Protected Point	SD. 0.182 BC. 0.231 OAL. 0.800"	PART#
			50 Ct. 38135

6.8mm (.277")	90 Gr. Protected Point	SD. 0.168 BC. 0.227 OAL. 0.785"	PART#
			50 Ct. 38140

30 Cal (.308")	168 Gr. Protected Point	SD. 0.253 BC. 0.350 OAL. 1.115"	PART#
			50 Ct. 38145

OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1600 fps (487mps) / Maximum: Unlimited

30 CAL
168GR

1800 FPS
99% WR



2400 FPS
95% WR



3050 FPS
84% WR



50 Cal (.500")	300 Gr. Spitzer	SD. 0.204 BC. 0.250 OAL. 0.960"	PART#
			15 Ct. 50300



JIM SHOCKEY'S Signature Series

OPTIMUM PERFORMANCE VELOCITY:
Minimum: 1200 fps / Maximum 1800 fps

- Streamlined Ogive to Maximize Effective Shooting Ranges
- Polymer Tip Assists Bullet Expansion
- Pre-Packaged in 15-count Blister Packs
- .458" Diameter 300gr. Ballistic Tip® Packaged in 50 Caliber Sabot



Look For Our Bonded Solid Base® Bullets Loaded In Nosler's Own DEFENSE™ Ammunition and Trophy Grade™ Ammunition Lines

BONDED SOLID BASE®

BT MUZZLE LOADER®

SPORTING[™] PISTOL HANDGUN

- 1 Tapered Copper- Alloy Jacket:**
Extremely concentric, tapered jacket is built for maximum accuracy and enhances game-taking ability.
- 2 Form-Fitted Pure Lead Core:**
Allows for reliable expansion and maximum accuracy across a broad velocity range.
- 3 Jacket Mouth:**
Jacket extends to mouth of Hollow Point for smooth, reliable feeding.



"Nosler Sporting Handgun bullets always meet my high expectations for consistency and accuracy. The performance I'm seeing with the 9mm-124gr Sporting Handgun bullets is nothing short of fantastic"

Ryan Fraker, Team 144 – Nosler Pro-Staff

Nosler
UP FRONT



Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

9mm (.355")	115 Gr. JHP SD. 0.130 BC. 0.109 OAL. 0.511"	PART# 250 Ct. 44848	10mm (.400")	180 Gr. JHP SD. 0.161 BC. 0.147 OAL. 0.620"	PART# 250 Ct. 44885	45 Cal (.451")	230 Gr. JHP SD. 0.162 BC. 0.175 OAL. 0.635"	PART# 250 Ct. 44922
								
9mm (.355")	124 Gr. JHP SD. 0.141 BC. 0.118 OAL. 0.560"	PART# 250 Ct. 43123	10mm (.400")	200 Gr. JHP SD. 0.179 BC. 0.163 OAL. 0.674"	PART# 250 Ct. 44952	45 Cal (.451")	230 Gr. FMJ SD. 0.162 BC. 0.183 OAL. 0.615"	PART# 250 Ct. 44964
								
10mm (.400")	135 Gr. JHP SD. 0.121 BC. 0.093 OAL. 0.494"	PART# 250 Ct. 44852						
								
10mm (.400")	150 Gr. JHP SD. 0.134 BC. 0.106 OAL. 0.535"	PART# 250 Ct. 44860						
								

- **Dedicated Machinery Means Uniform Consistency**
- **Production Lots Are Never Mixed**
- **Each Bullet is Visually Inspected**
- **Our Quality is Legendary!**

- Dedicated Machinery Means Uniform Consistency
- Production Lots Are Never Mixed
- Each Bullet is Visually Inspected
- Our Quality is Legendary!

PISTOL

LOOKING FOR CONSISTENCY?

Whether you punch paper, shoot steel, or use your handgun for hunting, Nosler® ensures you have the very finest in accuracy, consistency and overall quality. Each bullet is produced on the most advanced, fully automated machinery and, like our premium rifle bullets, Nosler® visually inspects and then polishes all Sporting Handgun™ bullets to a bright finish.



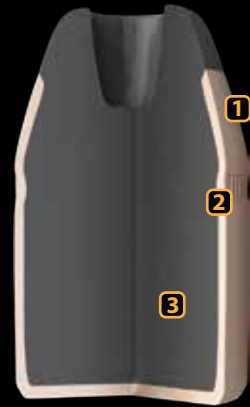
SPORTING HANDGUN[™]

SPORTING HANDGUN[™]

SPORTING REVOLVER HANDGUN

- 1 Tapered Copper-Alloy Jacket:**
Extremely concentric, tapered jacket is built for maximum accuracy and enhanced game-taking ability.
- 2 Well-Defined Cannelure:**
Holds jacket and core together and permits a tight crimp that eliminates bullet movement within the case.
- 3 Form-Fitted Pure Lead Core:**
Allows for reliable expansion and maximum accuracy across a broad velocity range.

Jacketed Hollow Point
JHP



Jacketed Soft Point
JSP



Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

38 Cal (.357")	158 Gr. JHP SD. 0.177 BC. 0.182 OAL. 0.775"	PART# 250 Ct. 44841
41 Cal (.410")	210 Gr. JHP SD. 0.178 BC. 0.170 OAL. 0.687"	PART# 100 Ct. 43012
44 Cal (.429")	200 Gr. JHP SD. 0.155 BC. 0.151 OAL. 0.610"	PART# 250 Ct. 44846
44 Cal (.429")	240 Gr. JHP SD. 0.186 BC. 0.173 OAL. 0.710"	PART# 250 Ct. 44842
44 Cal (.429")	300 Gr. JHP SD. 0.233 BC. 0.206 OAL. 0.976"	PART# 100 Ct. 42069
44 Cal (.429")	240 Gr. JSP SD. 0.186 BC. 0.177 OAL. 0.700"	PART# 250 Ct. 44868
45 Colt (.451")	250 Gr. JHP SD. 0.176 BC. 0.177 OAL. 0.774"	PART# 100 Ct. 43013



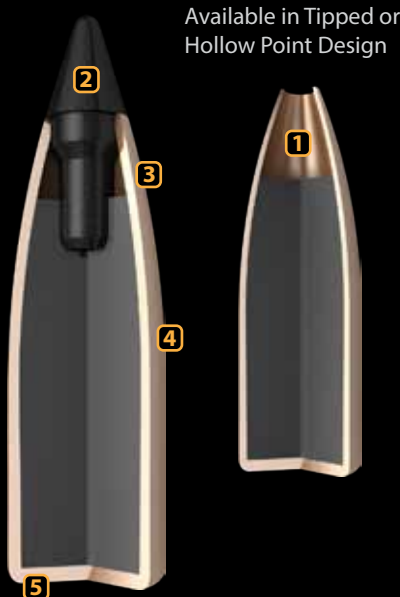
- Dedicated Machinery Means Uniform Consistency
- Production Lots Are Never Mixed
- Each Bullet is Visually Inspected
- Our Quality is Legendary!

REVOLVER





- 1 Hollow Point:**
Designed for optimum flight and expansion characteristics
- 2 Metallic Black Polymer Tip:**
Nestled in the jacket mouth is the streamlined polymer tip.
- 3 Ultra-Thin Jacket Mouth:**
Assures violent expansion at either end of the velocity scale.
- 4 Varmint Jacket Wall Design:**
The uniform, gradual thickening at the bullet's mid-section is designed to keep the Varmageddon® together until impact-at any velocity.
- 5 Flat Base:**
Bench rest accuracy out of a varmint bullet.



Available in Tipped or Hollow Point Design

AMMUNITION

Nosler's Varmageddon® line of loaded ammunition features a polymer tip or hollow point Varmageddon® bullet for precise accuracy and destructive terminal performance. Varmageddon® products were created for the high volume varmint shooter who requires the utmost precision. Loaded with Nosler® brass, Varmageddon® ammunition provides the highest levels of performance for any varmint hunter.

Nosler
UP FRONT

Caliber SD = Sectional Density OAL = Overall Length
Diameter BC = Ballistic Coefficient

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

17 Cal (.172")	20 Gr. FBHP	SD. 0.097 BC. 0.119 OAL. 0.500"	PART#	100 Ct. 17205 250 Ct. 29066
17 Cal (.172")	20 Gr. FB Tipped (Metallic Black Tip)	SD. 0.097 BC. 0.183 OAL. 0.555"	PART#	100 Ct. 17210 250 Ct. 30531
204 Cal (.204")	32 Gr. FBHP	SD. 0.110 BC. 0.131 OAL. 0.515"	PART#	100 Ct. 17215 250 Ct. 31075
204 Cal (.204")	32 Gr. FB Tipped (Metallic Black Tip)	SD. 0.110 BC. 0.204 OAL. 0.600"	PART#	100 Ct. 17220 250 Ct. 32851
22 Cal (.224")	35 Gr. FB Tipped (Metallic Black Tip)	SD. 0.100 BC. 0.120 OAL. 0.520"	PART#	100 Ct. 36763 250 Ct. 32572
22 Cal (.224")	40 Gr. FBHP	SD. 0.114 BC. 0.158 OAL. 0.565"	PART#	100 Ct. 17225 250 Ct. 17255
22 Cal (.224")	40 Gr. FB Tipped (Metallic Black Tip)	SD. 0.114 BC. 0.211 OAL. 0.665"	PART#	100 Ct. 17230 250 Ct. 17260
22 Cal (.224")	53 Gr. FB Tipped (Metallic Black Tip)	SD. 0.152 BC. 0.303 OAL. 0.830"	PART#	100 Ct. 36523 250 Ct. 36524
22 Cal (.224")	55 Gr. FBHP	SD. 0.157 BC. 0.210 OAL. 0.700"	PART#	100 Ct. 17235 250 Ct. 17265 500 Ct. 17290
22 Cal (.224")	55 Gr. FB Tipped (Metallic Black Tip)	SD. 0.157 BC. 0.255 OAL. 0.795"	PART#	100 Ct. 17240 250 Ct. 17270 500 Ct. 17291
22 Cal (.224")	62 Gr. FBHP W/Cannelure	SD. 0.176 BC. 0.251 OAL. 0.770"	PART#	100 Ct. 35631 250 Ct. 36522
6mm (.243")	55 Gr. FBHP	SD. 0.133 BC. 0.192 OAL. 0.665"	PART#	100 Ct. 17245 250 Ct. 27054
6mm (.243")	55 Gr. FB Tipped (Metallic Black Tip)	SD. 0.133 BC. 0.252 OAL. 0.750"	PART#	100 Ct. 17250 250 Ct. 28115
6mm (.243")	70 Gr. FB Tipped (Metallic Black Tip)	SD. 0.169 BC. 0.305 OAL. 0.875"	PART#	100 Ct. 26123 250 Ct. 25075
30 Cal (.308")	110 Gr. FB Tipped (Metallic Black Tip)	SD. 0.166 BC. 0.293 OAL. 0.920"	PART#	100 Ct. 34057
7.62x39 (.310")	123 Gr. FB Tipped (Metallic Black Tip)	SD. 0.183 BC. 0.304 OAL. 0.950"	PART#	100 Ct. 34056

- Ultra-Thin Jacket
- Nosler Proven Accuracy
- Special Lead-Alloy Core
- Flat-Base Design

VARMAGEDDON® OFFERINGS

17 Remington
204 Ruger
22 Hornet
221 Rem. Fireball
222 Remington
223 Remington
22-250 Remington
243 Winchester
300 AAC Blackout
308 Winchester

Cases checked for correct length

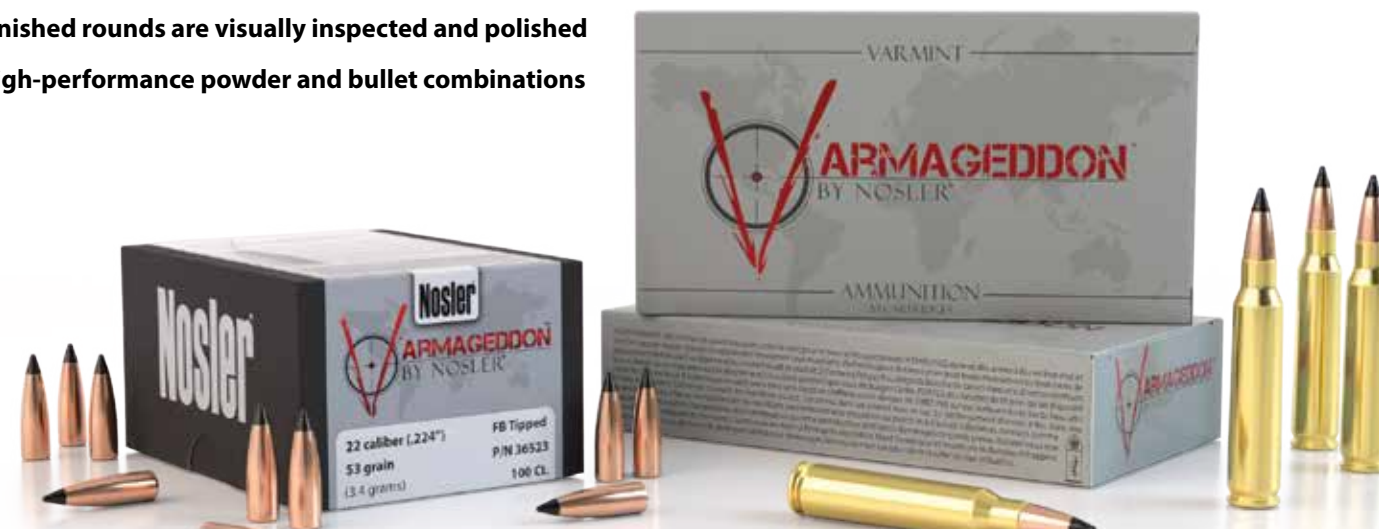
Necks sized, chamfered and trued

Flash holes checked for proper alignment

Powder charges are meticulously weighed

Finished rounds are visually inspected and polished

High-performance powder and bullet combinations



VARMAGEDDON®

VARMAGEDDON®

BT[®] BALLISTIC TIP[®] AMMUNITION

- Nosler[®] Ballistic Tip[®] ammunition is loaded up front with the accurate and reliable, Nosler[®] Ballistic Tip[®] Bullet.
- Bullet weights and muzzle velocities are optimized for maximum effectiveness on Deer, Antelope, and Hogs
- Every round is visually inspected prior to packaging
- The 7mm-120gr and 30-125gr Ballistic Tip[®] bullets are designed with slightly thicker jackets to withstand higher impact velocities and excellent terminal performance. These light for caliber bullets provide higher velocity, less recoil and massive energy transfer.

BULLET INFORMATION

Over 30 years of continual improvement, design refinement, and manufacturing expertise make the Ballistic Tip[®] Hunting bullet, the best choice for America's most popular game.

- Tapered bullet jacket controls expansion for the ideal balance of penetration and energy transfer.
- Proven track-record of accuracy and game-killing terminal performance.

Nosler
UP FRONT

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

BALLISTIC TIP[®] AMMUNITION OFFERINGS

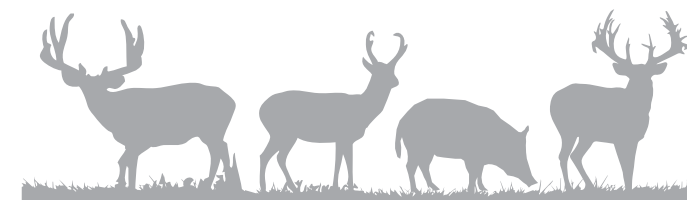
243 Win. 90gr. BT
6.5 Creedmoor 140gr. BT
260 Remington 120gr. BT
270 Win. 140gr. BT

7mm-08 Rem. 120gr. BT
7mm-08 Rem. 140gr. BT
30/30 Win. 150gr. BT
308 Win. 125gr. BT

308 Win. 165gr. BT
30-06 Spfd. 125gr. BT
30-06 Spfd. 180gr. BT

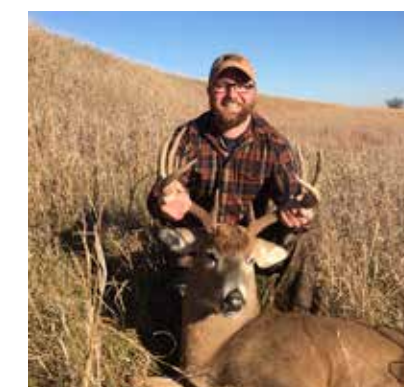


- 1 Nosler Ballistic Tip[®]:** Streamlined polymer tip, color-coded by caliber, resists deformation in the magazine and initiates expansion upon impact.
- 2 Fully-Tapered Jacket and Special Lead-Alloy Core:** Allows controlled expansion and optimum weight retention at all practical velocity levels. The heavy jacketed base prevents bullet deformation during firing.
- 3 Heavy Jacketed Base:** Acts as a platform for large-diameter mushroom.
- 4 Ballistically Engineered Solid Base[®]:** Boat tail configuration combines with the streamlined polymer tip for extreme long-range performance and for easier loading.



TIP COLOR BY CALIBER

6MM		7MM	
6.5MM		30 CAL	
270 CAL			



E-TIP[®] AMMUNITION

EXPANSION TIP

We've created our E-Tip[®] ammunition line to offer an affordable, lead-free ammunition alternative for hunters who are either required or choose to use a lead-free bullet. However, the advantages of the E-Tip[®] bullet are not limited to the material from which it is made. The greatest advantage offered by the E-Tip[®] bullet is its extremely high weight retention. Because the E-Tip[®] retains so much weight, it provides extremely deep penetration and consistently

straight wound channels. The E-Tip[®] smashes through heavy bone and muscle, typically performing like a much heavier bonded or lead-cored bullet. This high degree of penetration provides a significant advantage when hunting large game with non-magnum calibers. Offered in a variety of traditional American hunting cartridges, E-Tip[®] ammunition is an excellent choice for any North American big game or African plains game.

Nosler
UP FRONT

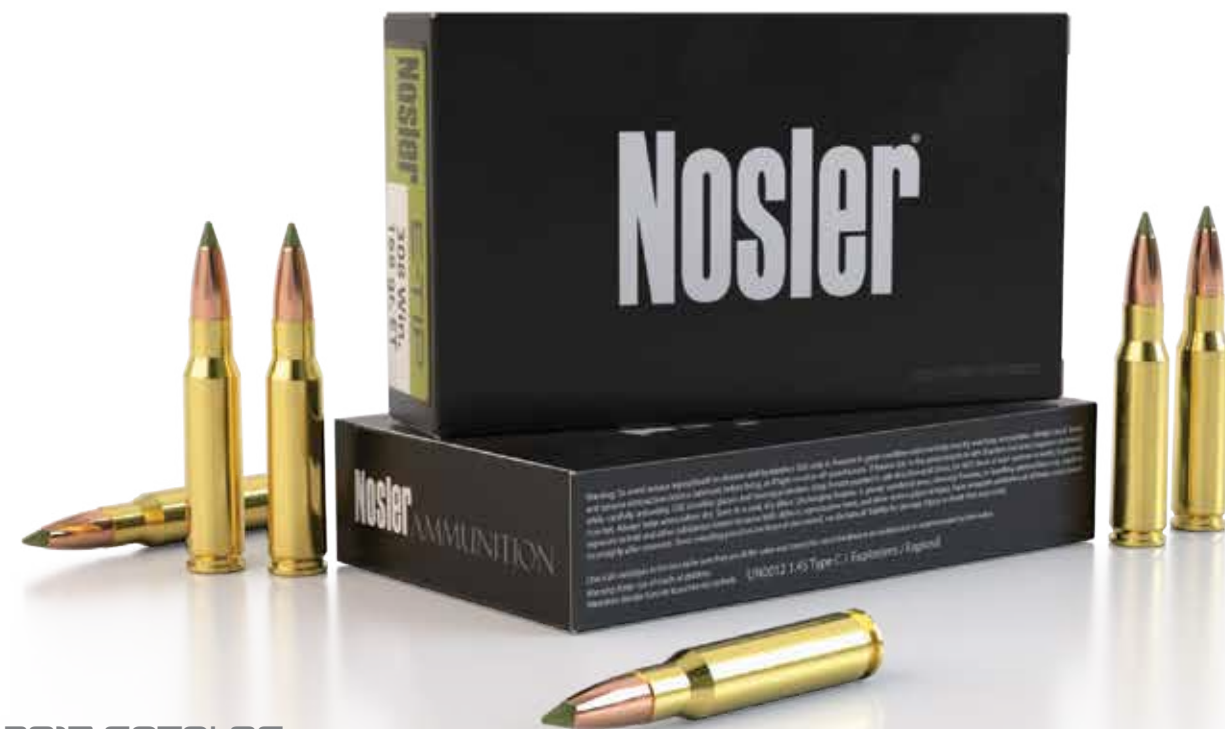
- **Nosler[®] E-Tip[®] ammunition** is loaded up front with the high-performance, lead-free, E-Tip[®] hunting bullet
- **The E-Tip[®]** bullet combines uniform expansion with 95%+ weight retention for superior penetration and excellent terminal performance on all types of big game
- **Every round** is visually inspected prior to packaging

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

E-TIP[®] AMMUNITION OFFERINGS

243 Winchester 90gr E-Tip
270 Winchester 130gr E-Tip
7mm-08 Rem 140gr E-Tip
7mm Rem Mag 150gr E-Tip
28 Nosler 150gr E-Tip

308 Winchester 150gr E-Tip
308 Winchester 168gr E-Tip
30-06 Springfield 168gr E-Tip
30-06 Springfield 180gr E-Tip
300 Win Mag 180gr E-Tip



GAME RECOMMENDATIONS

Any Game Depending On Caliber

1 Signature OD Green Polymer Tip:

Nosler's advanced polymer tip initiates expansion while delivering unsurpassed penetration and weight retention.

2 E² Cavity™:

The exclusive Energy Expansion Cavity™ provides a dual-expansion chamber for amazing stopping power and uniform expansion with 95%+ weight retention for superior penetration.

3 Solid Copper-Alloy Construction:

Nosler's one-piece design meets all "lead-free" hunting regulations without sacrificing performance.

4 Boat-Tail Design:

Boat-tail configuration combines with the streamlined polymer tip for extreme long-range performance and for easier loading.

OPTIMUM PERFORMANCE VELOCITY:

Minimum: 1800 fps (549 mps)
Maximum: Unlimited

30 CAL 168GR

1800 FPS
98% WR



2400 FPS
98% WR



3050 FPS
98% WR



Trophy Grade™ Ammunition

Manufactured to Nosler's strict quality standards, Trophy Grade™ ammunition uses Nosler® Brass and Nosler® bullets to attain optimum performance, no matter where your hunting trip takes you. Whether you want your ammunition loaded with Accu-Bond®, Partition®, AB-LR®, Ballistic Tip® or , E-Tip®, Nosler® Trophy Grade Ammunition will have the right load for the right game.

Cases checked for correct length

Necks sized, chamfered and trued

Flash holes checked for proper alignment

Powder charges are meticulously weighed

Finished rounds are visually inspected and polished

High-performance powder and bullet combinations

The Nosler ballistics team, long respected in the hunting and shooting industry for reliable and precise reloading data, is the driving force behind Nosler® Trophy Grade™ Ammunition. Trophy Grade Ammunition brings Nosler's unsurpassed quality standards in accuracy and consistency directly to the shelf of your favorite gunshop or outdoor retailer.

Nosler®
UP FRONT

NOT ALL LOTTERY WINNERS RIDE AROUND IN FANCY CARS

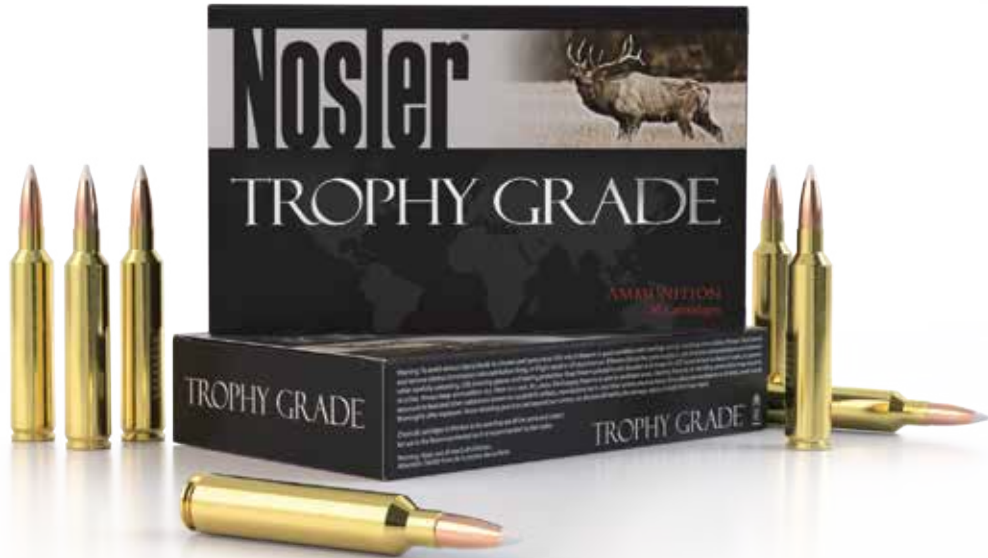
It might take decades for your tag to be drawn. But some experiences are worth the wait. When you get that chance, make it count.

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

Trophy Grade™ Offerings

223 Remington	26 Nosler	28 Nosler	30-378 Weatherby Mag.
22-250 Remington	270 Winchester	308 Winchester	325 WSM
243 Winchester	270 WSM	30-06 Springfield	338 Winchester Mag.
25-06 Remington	280 Remington	300 SAUM	338 RUM
257 Roberts +P	7mm-08 Remington	300 WSM	340 Weatherby Mag.
257 Weatherby Mag.	7x57 Mauser	300 Winchester Mag.	338 Lapua Mag.
6.5x55 Swedish	280 Ackley Improved	300 H&H Mag.	33 Nosler
260 Remington	7mm SAUM	300 RUM	35 Whelen
6.5 Creedmoor	7mm Remington Mag.	300 Weatherby Mag.	9.3x62 Mauser
264 Winchester Mag.	7mm STW	30 Nosler	375 H&H Mag.
6.5-284 Norma	7mm RUM		

LOADED WITH NOSLER® BULLETS

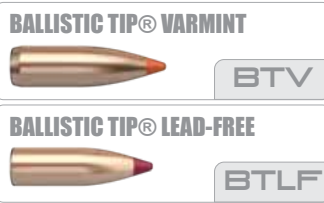


Trophy Grade Varmint Offerings

204 Ruger	22-250 Remington
223 Remington	220 Swift
22 Nosler	

Trophy Grade™ VARMINT Ammunition consists of the venerable Ballistic Tip® VARMINT bullet or the frangible Ballistic Tip® Lead Free™ loaded in Nosler® Brass.

LOADED WITH NOSLER® BULLETS



Trophy Grade™

Trophy Grade™

MATCH GRADE™ AMMUNITION

RIFLE

Nosler® Match Grade™ Ammunition consists of Nosler's precisely-designed Custom Competition® and Ballistic Tip® bullets along with Nosler® Brass. Because of Nosler's unsurpassed quality standards, each piece of brass is checked for correct length, neck-sized, chamfered, trued and flash holes are checked for proper alignment. To further ensure our reputation for quality and consistency, powder charges are meticulously weighed and finished rounds are visually inspected and polished.

HANDGUN

Manufactured to Nosler's strict quality standards, Match Grade™ ammunition uses Nosler® Brass and Nosler® Sporting Handgun™ bullets to attain optimum performance.

Nosler®
UP FRONT

Arguably, the best handgun bullets in the world. Now available in loaded ammunition!

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

LOADED WITH NOSLER® BULLETS

BALLISTIC TIP® VARMINT



BTV

BALLISTIC TIP®



BT

CUSTOM COMPETITION®



CC

NOSLER MATCH GRADE™ RIFLE OFFERINGS

223 Remington	26 Nosler	30 Nosler
22 Nosler	28 Nosler	338 Lapua Magnum
6.5 Creedmoor	300 AAC Blackout	33 Nosler
6.5-284 Norma	308 Winchester	

LOADED WITH NOSLER® BULLETS

SPORTING HANDGUN



SPHG

CUSTOM COMPETITION®



CC

NOSLER MATCH GRADE™ HANDGUN OFFERINGS

9mm	40 S&W	45 ACP	Available in 20ct. and 50ct. boxes
115gr. JHP	150gr. JHP	185gr. JHP	
124gr. JHP	180gr. JHP	230gr. JHP	

High-performance powder and bullet combinations

Loaded with Nosler® Custom Competition® and Sporting Handgun™ bullets

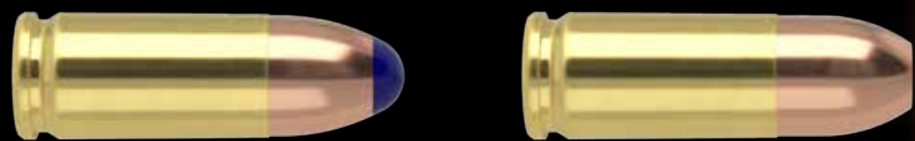
Loaded in Nosler® headstamped brass

Dedicated bullet machinery means uniform consistency

Each round is visually inspected

MATCH GRADE™

MATCH GRADE™



HANDGUN AMMUNITION

Nosler® DEFENSE™ handgun ammunition is loaded up front with the Bonded PERFORMANCE® line of bonded-core defense bullets. Available in either jacketed hollow point, or polymer-tipped configuration, and featuring proven AccuBond® bonding technology, Bonded PERFORMANCE® bullets are designed for high weight retention and maximum barrier penetration. Constructed with a tapered jacket and specially engineered core, Bonded PERFORMANCE® bullets exhibit predictable expansion and straight-line penetration in a variety of media. Loaded with high-performance powder charges in Nosler® brass, every round of Nosler® DEFENSE™ ammunition is visually inspected to ensure reliability. Professionals trust their next move to Nosler® DEFENSE™.

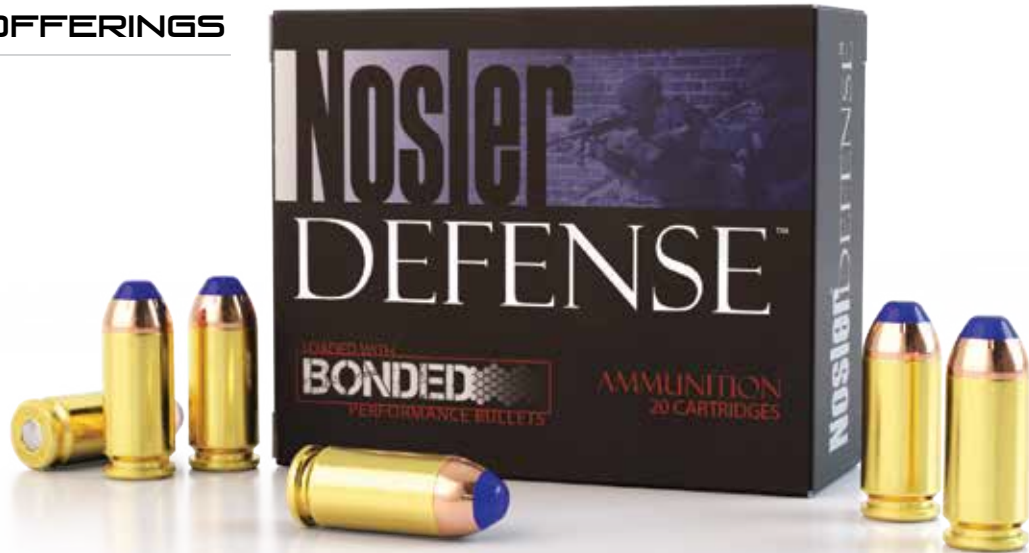
- High-performance powder and bullet combinations
- Each round is visually inspected
- Bonded for maximum performance



Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

DEFENSE HANDGUN OFFERINGS

- 9mm Luger +P 124gr Bonded Tipped
- 9mm Luger +P 124gr Bonded JHP
- 40 S&W 200gr Bonded Tipped
- 40 S&W 200gr Bonded JHP
- 45 ACP +P 230gr Bonded Tipped
- 45 ACP +P 230gr Bonded JHP



- Proven AccuBond® bonding technology for high weight retention and maximum barrier penetration.
- Tapered jacket and specially engineered core, for predictable expansion and straight-line penetration.
- Internal and external skives at the jacket mouth for consistent, symmetrical expansion.
- Polymer tip resists clogging and aides in smooth, reliable feeding.
- Traditional hollow point for rapid expansion and energy transfer.
- Loaded with high-performance powder charges in Nosler® brass, every round is visually inspected to ensure reliability.



9mm 124gr.
98% weight retention
900 fps



9mm 124gr.
98% weight retention
1200 fps



9mm +P 124gr. Bonded Performance® JHP #38432 M.V. 1200fps 	 		Bare Gelatin		 		Heavy Clothing	
	Expansion		0.614"		Expansion		0.610"	
	Retained Wt		124gr.		Retained Wt		124gr.	
	Penetration				Penetration			
	10.25"				10.75"			

	Steel			Wallboard			Plywood			Auto Glass	
	Expansion	0.553"		Expansion	0.451"		Expansion	0.366"		Expansion	0.569"
	Retained Wt	123gr.		Retained Wt	124.gr.		Retained Wt	124gr.		Retained Wt	99.4gr.
Penetration			Penetration			Penetration			Penetration		
15.00"			17.00"			22.00"			11.50"		



RIFLE AMMUNITION

Nosler® DEFENSE™ Rifle ammunition is loaded up front with the Bonded PERFORMANCE®, Bonded Solid Base® bullet. The Bonded Solid Base® bullet features a Protected Point design for reliable feeding in all action types. The tapered jacket controls expansion while the AccuBond® bonding process prevents fragmentation and guarantees high weight retention for predictable expansion and straight-line penetration in a variety of media. Loaded with high-performance powder charges in Nosler® brass, every round of Nosler® DEFENSE™ ammunition is visually inspected to ensure reliability. Professionals trust their next move to Nosler® DEFENSE™

- Proven AccuBond® bonding technology for high weight retention and maximum barrier penetration.
- Tapered jacket and specially engineered core, for predictable expansion and straight-line penetration.
- Loaded with high-performance powder charges in Nosler® brass, every round is visually inspected to ensure reliability.

Nosler® DEFENSE™ rifle ammunition is loaded up front with the Bonded PERFORMANCE® bullet that is designed for 90% weight retention, minimal deflection and true, straight-line penetration.

Nosler® DEFENSE™ rifle ammunition is packaged in 20 count boxes and is loaded to the strictest of tolerances for maximum accuracy, consistency and dependability.



Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

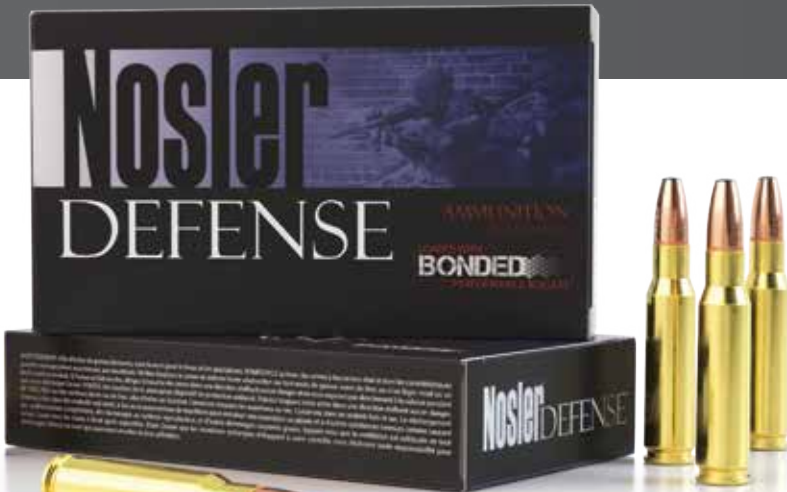
DEFENSE RIFLE OFFERINGS

- 223 Remington 64gr. Bonded Solid Base®
- 6.8 SPC 90gr. Bonded Solid Base®
- 308 Win.168gr. Bonded Solid Base®

OPTIMUM PERFORMANCE
VELOCITY:

Minimum: 1600 fps (487 mps)
Maximum: Unlimited

- 6.8mm 90gr. 2850 fps
- 30cal 168gr. 2680 fps



BONDED
PERFORMANCE®

LOADED WITH NOSLER® BULLETS



1 Protected Point Design:

Ensures reliable feeding in both bolt action and semi-automatic platforms.

2 AccuBond® Bonding Process:

Welds the copper jacket to the lead core to prevent core/jacket separation for maximized weight retention.

3 Well-Defined Cannelure:

Permits a tight crimp that eliminates bullet movement within the case during recoil, ensuring reliable feeding in semi-automatic rifles.

4 Solid Base®:

Solid Base® construction ensures straight-line penetration.



OPTIMUM
PERFORMANCE
VELOCITY:

Minimum: 1600 fps (487 mps)
Maximum: Unlimited

30 CAL 168GR

1800 FPS
99% WR



2400 FPS
95% WR



3050 FPS
84% WR



223 Remington 64gr. Bonded Solid Base #39674 M.V. 2750fps 		Bare Gelatin			Heavy Clothing	
		Expansion	0.479"		Expansion	0.485"
		Retained Wt	64gr.		Retained Wt	64gr.
		Penetration			Penetration	
		23.25"			21.00"	

	Steel			Wallboard			Plywood			Auto Glass	
	Expansion	0.489"		Expansion	0.538"		Expansion	0.535"		Expansion	0.330"
	Retained Wt	54gr.		Retained Wt	63.9gr.		Retained Wt	64gr.		Retained Wt	37.4gr.
Penetration		17.75"	Penetration		23.00"	Penetration		22.50"	Penetration		16.25"

SAFARI™ AMMUNITION

For years, hunters around the globe have relied on the quality and consistency of Nosler bullets. That same quality and consistency is now available in both 10 and 20 round boxes of Nosler Safari Ammunition. Loaded with either the Partition® or Nosler Solid™ and designed for the same point of impact with either bullet, Nosler Safari Ammunition provides the ultimate versatility for any dangerous game situation.

- Cases checked for correct length
- Necks sized, chamfered and trued
- Flash holes checked for proper alignment
- Powder charges are meticulously weighed
- Finished rounds are visually inspected and polished
- High-performance powder and bullet combinations
- Nickel Plated Cases

Nosler
UP FRONT

PARTITION®

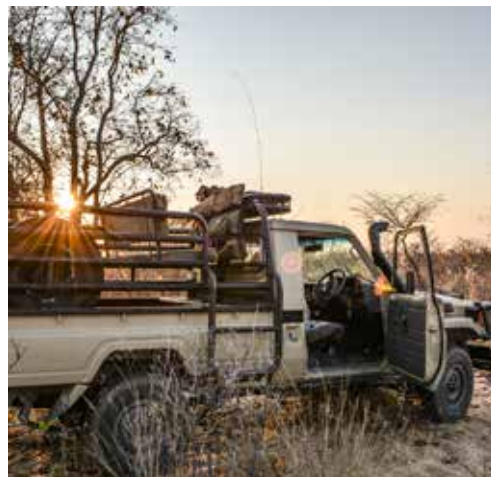
SOLID™

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

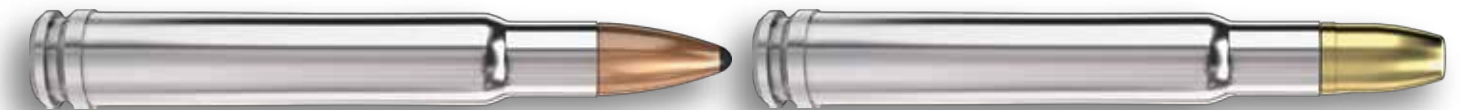
SAFARI™ OFFERINGS

9.3x62 Mauser	416 Remington Magnum	470 Nitro Express	500 Nitro Express
375 Flanged	416 Rigby	450 Rigby	505 Gibbs
375 H&H Magnum	458 Winchester Magnum	500/416 Nitro Express	
404 Jeffery	458 Lott	500 Jeffery	

DANGEROUS GAME



SAME POINT OF IMPACT



NoslerCustom[®] AMMUNITION

At Nosler[®], we've been custom-loading ammunition for years; not for sale, but for our own personal hunts and daily production testing. For over 60 years, our team has known what it takes to make ammunition that is not only accurate but consistent.



Nosler[®]
UP FRONT

- Cases checked for correct length
- Necks sized and chamfered for proper alignment
- Powder charges are meticulously weighed
- Finished rounds are visually inspected and polished
- Loaded rounds are hand-packaged in hard plastic boxes with all performance data printed on the label
- Ammunition box labels can be personalized with customer's name or information at no additional cost
- Custom label printing only available from Nosler.com
- All rounds are hand-loaded by Nosler ballisticians
- Small, precisely-built runs of hand-loaded ammunition

Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

AVAILABLE EXCLUSIVELY FROM MIDWAYUSA OR NOSLER.COM

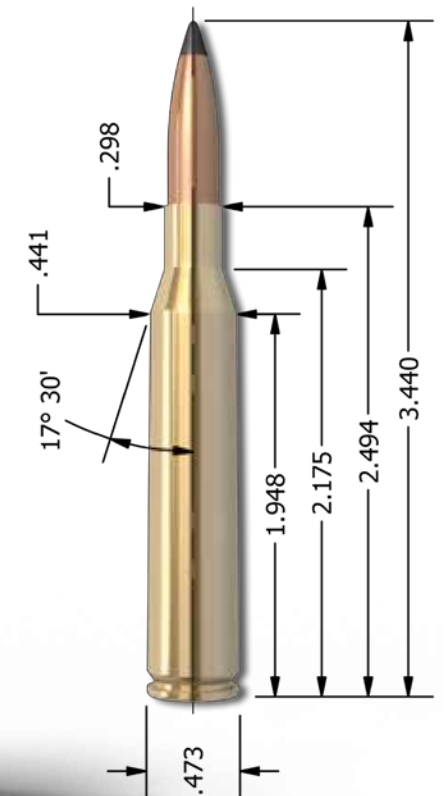
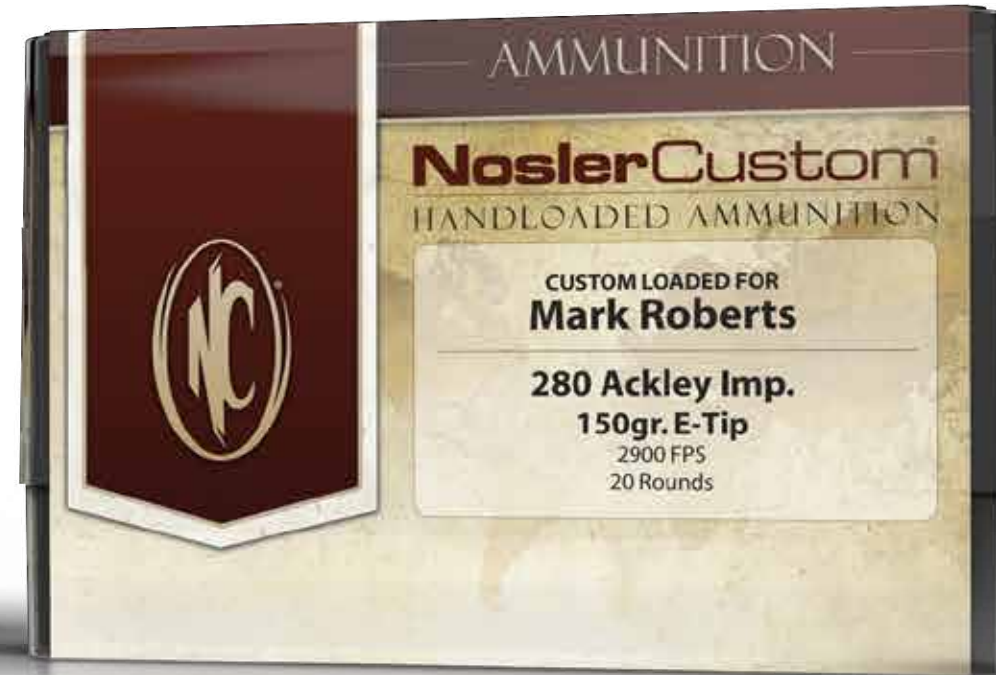
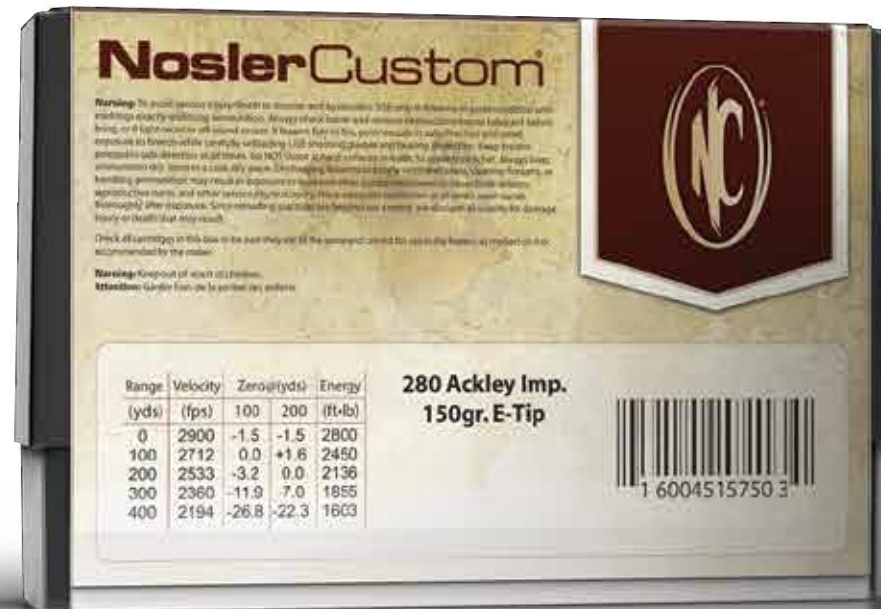
NOSLERCUSTOM[®] AMMUNITION

LOADED WITH NOSLER[®] BULLETS



Using Nosler[®] Brass
Where Available

Nosler's ballisticians are expert handloaders. It's their expertise that goes into the making of NoslerCustom[®] Ammunition. It's not just knowledge and special attention that sets this ammunition apart. The key is that we are combining the very best components, in the exact amounts, with decades of practical, hands-on experience. The result is a custom load that can bring you a new level of consistency.



NOSLERCUSTOM[®] AMMUNITION

NOVESKE

AMMUNITION

John Noveske always dreamed of creating a line of high quality ammunition tuned to his rifles. A line of ammunition so good that it squeezes every bit of performance out of a rifle while also providing maximum terminal ballistics downrange. John's dream is now a reality. Noveske signature ammunition, manufactured by Nosler, is the ultimate option for semi-automatic rifles. Loaded with a variety of Nosler bullets, Noveske ammunition is perfectly suited for the important mission at hand. Get the performance your rifle deserves.



- Ballistic Glow Tip®, glows in the dark after being charged by the sun or artificial light.
- Loaded with Nosler® Varmageddon® or Ballistic Tip® bullets for accuracy and consistent terminal performance.
- Both bullet and case are plated with Tacti-Black® nickel for stealthy-smooth cycling and because it looks badass.
- Specifically tuned for Noveske rifles and other semi-automatic firearms.
- Loaded in Noveske headstamped, brass cases.
- Made in the USA

Tacti-Black® Is A Trademark Of Advanced Plating Technologies

Nosler
UP FRONT

AMMUNITION OFFERINGS

5.56

5.56 55gr Varmageddon® Bullet



5.56 60gr Ballistic Glow Tip™



300 AAC BLACKOUT

300 AAC Blackout 110gr Varmageddon® Bullet



300 AAC Blackout 220gr Ballistic Glow Tip™



7.62X51

7.62x51 110gr Varmageddon® Bullet



7.62x51 168gr Ballistic Glow Tip™



BALLISTIC GLOW TIP

NOVESKE



Impact Velocity 1000fps
Penetration: 18"
Weight Retention: 93%
2x Expansion



Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

TACTI-BLACK® NICKEL PLATING FOR SMOOTH FEEDING



NOVESKE



SSA ammunition by Nosler is tuned specifically for use in semi-automatic firearms chambered in 5.56, 6.8 Remington SPC, 300 AAC Blackout, 308 Winchester and the Granddaddy of them all, 30-06 M1 Garand. Loaded to pressures that reliably cycle semi-auto's for maximum dependability, SSA ammunition is now exclusively loaded up front with Nosler bullets for unparalleled down range performance. Whether shooting on the range, in the field, law enforcement or defense, operators depend on their ammunition to function as designed with every trigger pull. SSA ammunition was created, designed and assembled with this in mind so it can be trusted as the right tool for the job.

- Brass cases loaded with premium Nosler® bullets.
- Powders and charge weights selected for reliable performance in semi-automatic firearms.
- Engineered to provide the ultimate accuracy and performance from your rifle.
- Loaded rounds are visually inspected.
- Made in the USA



Ammunition Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

SSA AMMUNITION OFFERINGS

5.56 NATO

55gr. Ballistic Tip®
63gr. Soft Point
77gr. Custom Competition®

6.8 REM SPC

85gr. E-Tip®
90gr. Bonded Solid Base®
110gr. Soft Point
110gr. AccuBond®
115gr. Custom Competition®

300 AAC BLACKOUT

220gr. Ballistic Tip®

308 WIN

168gr. Custom Competition®
175gr. Custom Competition®

30-06 SPFD.

155gr Custom Competition®



SSA BRASS OFFERINGS

5.56 NATO – 100ct.
243 Win – 100ct.
260 Rem – 50ct.
6.8 Rem SPC – 100ct.

300 AAC Blackout – 100ct.
308 Win – 100ct.
30-06 Spfd. – 100ct.

- Each piece of SSA brass starts with our specially formulated brass cup that is manufactured to precise metallurgical standards.
- Before our brass cases are ready for inspection, they will undergo 12 manufacturing and annealing processes to deliver the highest-grade brass case available in the industry.
- Rigorous measurement and inspection steps are taken throughout the manufacturing process to ensure that every piece of SSA brass meets exacting standards for dimensional tolerance, consistency and overall quality.



BRASS

“Build the perfect load” has long been the motto of handloaders loyal to Nosler brand bullets—and was the sole reason we developed Nosler® cartridge brass. Introduced in 2005, the Nosler® cartridge brass line is ready to load. Manufactured with the traditional Nosler philosophy of uncompromising attention to detail, Nosler® cartridge brass is created to exact dimensional standards and tolerances, using quality materials for maximum accuracy and consistency potential while extending case life. Nosler® brass also undergoes the rigorous quality control that premium Nosler bullets have experienced for over 60 years. Each piece of brass is completely prepped and ready to load. The case mouths have been chamfered and deburred. The flash holes are deburred and then checked for proper alignment. Each piece of brass is visually inspected at the factory and sealed in the box until you open them. Together, Nosler bullets and brass are the ingredients for the perfect load.

FULLY PREPPED, READY TO LOAD!

- Fully prepped, ready to load
- Case mouths are chamfered and deburred
- Nosler® Brass is hand-inspected and weight-sorted
- Flash holes are deburred and checked for proper alignment
- Quality made, Nosler® Brass is packaged in quantities of 25, 50 and 100 count boxes
- Each piece of brass is full length sized and trimmed to proper length

BULK BRASS

Nosler bulk brass was created for high-volume handloaders that want Nosler quality brass, but don't need it to be prepped. Nosler bulk brass is manufactured from the same materials and to the same tolerances as Nosler's prepped, boxed brass, but rather than being prepped, and weight-sorted, Nosler Bulk brass is bagged raw in 250ct. bags to provide you with the best raw materials for creating your perfect load. Brass should be full-length sized and trimmed to length before loading.

- Unprepped, raw brass
- Nosler Headstamp
- Non weight-sorted
- 250ct. Bulk packaging

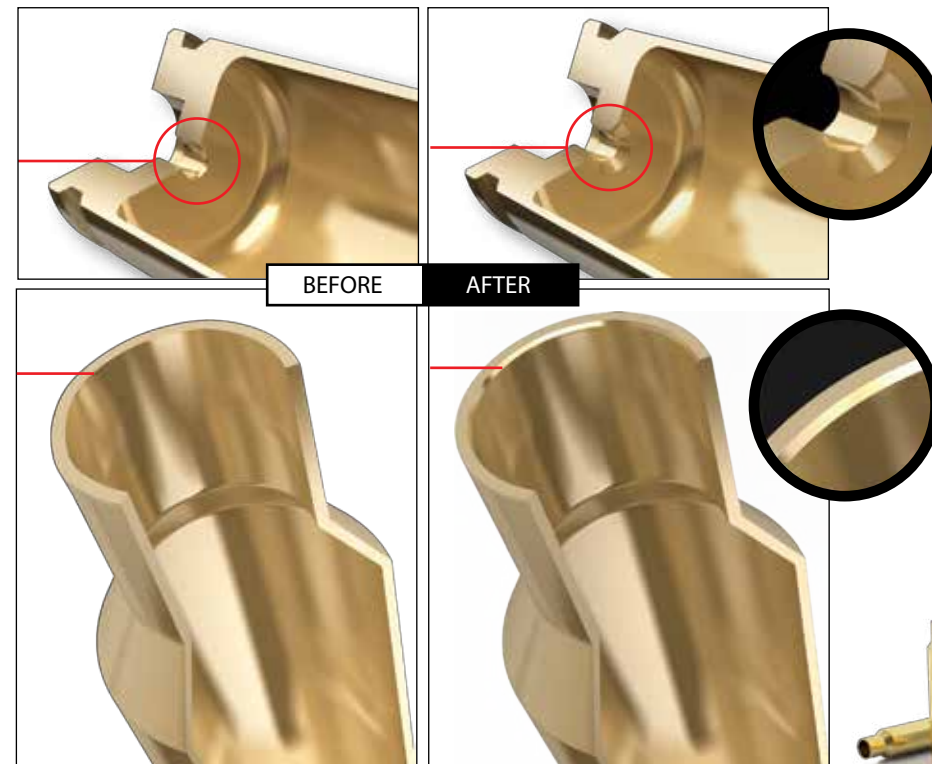
NEW PREMIUM, UNPREPPED BRASS

Nosler
UP FRONT

Brass Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

Brass Appendix Detailed product information and offerings are in the appendix, located in the back of the catalog.

Flash holes are deburred and checked for proper alignment



BEFORE AFTER

Each piece of Nosler® cartridge brass bears the “Nosler” headstamp and is manufactured under the company’s strict policy of “quality first.” With uncompromising attention to detail, each round of Nosler cartridge brass is made to precise dimensional standards and tolerances using top-grade materials to maximize accuracy and consistency while extending case life. Each piece of brass is completely prepped and ready to load. Case mouths are deburred and chamfered. Flash holes are deburred, and then checked for proper alignment. Every piece of brass is full-length sized, and then visually inspected to ensure that it is free from manufacturing flaws or blemishes. Each box of brass is weight-sorted so that every piece in a box is weight-matched within (+/-) 1/2 grain. Nosler cartridge brass comes packaged in boxes of 25, 50 or 100 pieces.

Case mouths are chamfered and deburred



- FULL-LENGTH SIZE BEFORE LOADING.
- NON WEIGHT-SORTED.

Nosler Bulk Brass		
Cartridge	Qty.	Part #
204 Ruger	250 ct.	10057
22 Hornet	250 ct.	10066
223 Remington	250 ct.	10099
222 Rem Mag	250 ct.	10059
22 Nosler	250 ct.	10068
300 AAC Blackout	250 ct.	45124



RELOADING GUIDE 8



A Great Read and Informative Reference Tool

Each cartridge section begins with an introduction by a different well-known writer or industry name. Nosler® continues to incorporate “Comments From the Lab” for many cartridges, a highly informative section that helps reloaders save time and money at the reloading bench. These pages are written by the Nosler® ballistics team and provide valuable insight and advice for working up accurate, effective loads.

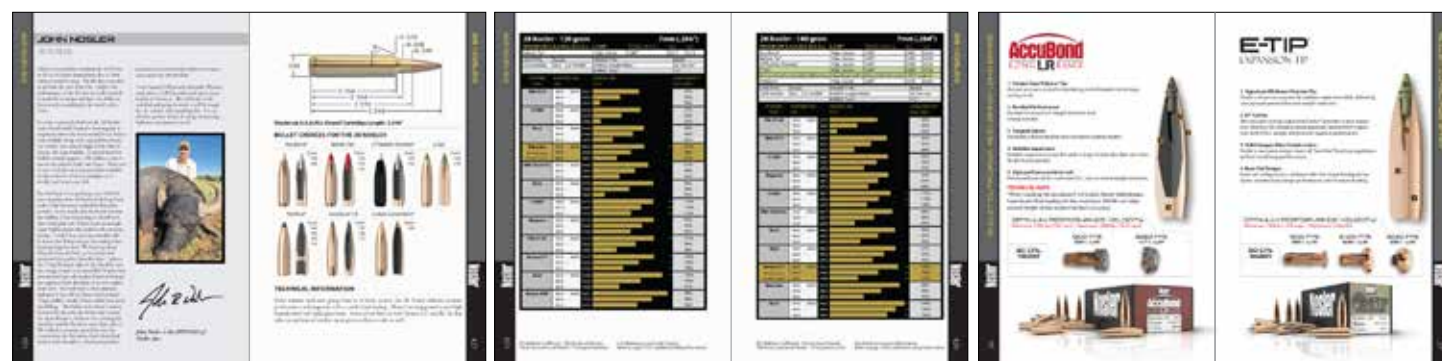
New and Expanded Cartridge Load Data

Load data for each cartridge is presented in a graphic format, giving the reader a quick comparison of load velocities for each bullet weight. Nosler’s system uses simple, easy-to-read bar graphs to show velocity variation between powders, making powder selection faster and simpler than relying on data alone. Each cartridge’s data entry shows information for starting, intermediate and maximum loads for each powder listed.

Nosler
UP FRONT

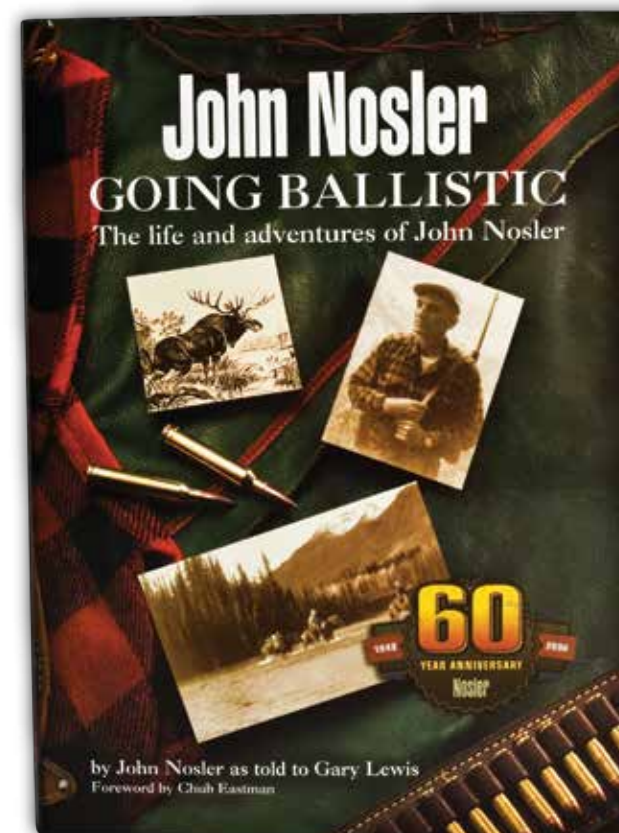
RELOADING GUIDE 8

GOING BALLISTIC



LOAD DATA ONLINE

Nosler has added all of its current load data to nosler.com. You can now find updated load data for all of Nosler’s new bullet offerings as well as all the load data featured in the Nosler Reloading Guide 8



GOING BALLISTIC:

The Life and Adventures of John Nosler
Paperback Edition

When hunters want a bullet they can depend on, the name they trust, more than any other, is Nosler®. From the Partition® – introduced in the 1940s–to the Zipedo, Solid Base®, and Ballistic Tip®, to today’s cutting-edge AccuBond®, John Nosler has built a reputation on accuracy and performance, one bullet at a time. You know his bullets. Now read his story.

Written by Gary Lewis

Nosler[®] RIFLES

PROFESSIONALS TRUST NOSLER[®]

Nosler makes rifles? As a matter of fact we do. Throughout our history we have built countless rifles for ballistic testing, using the premium components of the day. Actions, barrels, triggers, and stocks from nearly every manufacturer have been assembled and fired under the rigorous conditions of daily bullet testing. All of this collective knowledge has given us a great perspective on what works, and what doesn't. For years, the concept of the "perfect Nosler Rifle" was discussed, with the goal of bringing something very special to the world of custom firearms—a compilation of features that we have found to be the best for overall function, accuracy, and hard use. In 2005, this vision was realized with the first production of NoslerCustom Limited Edition Rifles. 12 years later, we are proud to have had our rifles receive some of the most prestigious awards for excellence in the shooting sports industry. From the inception of the program we have held that the epitome of a modern hunting rifle must be simple, rugged, fully weather resistant, and provide minute-of-angle accuracy with readily available factory ammunition. Nosler[®] Rifles are designed to exceed this goal.

Our line of Production Rifles sets a new bar for what is considered "standard" in a factory produced rifle. We include features like our hand-lapped and blueprinted Nosler[®] action, premium match-grade barrels, glass and pillar bedded stocks, finely tuned custom trigger, and all-weather Cerakote[®] finish in every rifle we hand build in our plant in Central Oregon. Our assembly methods incorporate hand craftsmanship with an assembly environment borrowed from our innovative bullet production lines, yielding a rifle of extremely high quality, at a reasonable price.

In addition to our premium line of Production Rifles, we offer a Custom line of rifles, allowing you to design the Nosler Rifle that is perfect for you. Thinking of a new rifle for your long-range antelope hunt? We can build a rifle for that. Or, are you dreaming of a classical-styled magnum for your first trip to Africa? We can build a rifle for that too. We know that off-the-shelf rifles do not fit everyone, and our Model 48 Custom line offers plenty of choices.

Nosler Rifles have been tested in some of the most trying conditions on the planet. From the sizzling deserts of Africa, to the frozen tundra of the Far North, you can be sure that a Nosler Rifle is up to the challenge.

Nosler[®]
UP FRONT



THE MODEL 48
LIBERTY™



THE MODEL 48
LONG-RANGE
NEW



THE MODEL 48
OUTFITTER™



THE MODEL 48
WESTERN
NEW



THE MODEL 48
HERITAGE™



THE MODEL 48
CUSTOM RIFLE

NOSLER® RIFLES

HOW WE BUILD OUR RIFLES

Nosler Rifles are produced with a blend of rigorous attention to detail and craftsmanship, with modern production techniques for efficiency and consistency. The result is a rifle that we feel is worthy of our name, and our company commitment to excellence. We build rifles out of a passion for shooting and hunting—and just like our bullets, we build them right.

A high degree of rifle accuracy comes from the manner in which the parts are assembled, but equally important is the quality and consistency of the parts used. Match-grade barrels, tuned triggers, premium wood and synthetic stocks, CNC machined metal components—every part from the smallest springs and screws, to the “lock, stock and barrel” are of the highest quality available.

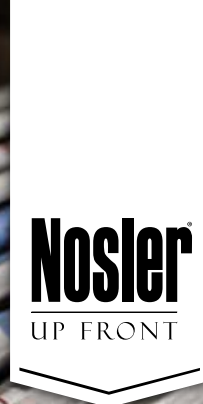
Our Model 48 Custom Rifles are built one at a time, allowing for a variety of options such as special stock configurations, colors, muzzle brakes and open-sights. In order to enhance economies of scale and provide great value, our Model 48 Liberty, Heritage, and Outfitter rifles are produced in small batches, leading to reduced setup times and maximized consistency from rifle to rifle. When we say our “production rifles” are built to custom-level quality, we mean it.



NOSLER® BARRELS

Nosler Rifles are fitted with premium, hand-lapped match grade barrels. These barrels are held to extremely tight tolerances for unrivaled accuracy. Each barrel features a target crown to protect the rifling from damage while maximizing accuracy, and they are proudly made in the United States of America.

- Hand Lapped
 - Match Grade
 - Stainless Steel
 - Target Crown
 - “Magnum” weight barrels measure .650” at the muzzle; “Sporter” weight barrels measure .600”.
- (Slight variations occur depending upon caliber)



NOSLER® ACTION

The foundation of our rifles is the Nosler® action, a tremendously strong and mechanically precise platform designed for rugged reliability in the field while providing bench-rest accuracy. When designing the action, our engineers and ballistics team incorporated features from some of the most reliable and accurate rifles used by militaries and sportsmen worldwide. The Nosler® action is not necessarily a revolutionary design concept, but rather a conglomeration of the best features of several bolt-action designs. All tolerances are held to very exacting and precise standards to ensure optimal accuracy through perfect dimensions and alignment to the bore, while still maintaining functionality in field conditions. All Nosler® actions are proudly manufactured in the United States of America.

1. The Nosler Model 48 action is contoured to accommodate any standard 2-piece scope base that would otherwise fit a Remington® 700™ rifle. NCR actions feature integral Leupold® QR™ scope bases.
2. Custom, hand-tuned trigger set to a crisp 3-4 lb pull.
3. Side mounted rocker safety.
4. A heavy-duty square bottom integral recoil lug mates with a recoil lug bedded into the stock for a uniform and consistent distribution of energy during firing.
5. Every action is blueprinted and trued after heat-treating to ensure perfect dimensions and alignment.
6. A groove is machined into the right hand bolt locking lug that mates perfectly with a rib in the receiver to resist binding during operation.
7. Every action is proof tested to ensure it can handle over-pressured rounds in the unlikely occurrence of a high pressure event.



1. Bolt handles and bodies are precision CNC machined and heat treated for strength and rigidity.
2. Bolt bodies are fluted to resist binding in harsh field conditions.
3. An integrated, spring-loaded AR15 style extractor provides reliable feeding and extraction on even the most stubborn cases.

4. Large pressure vents in the bolt are designed to help dissipate gases away from the shooter's face in the unlikely event of a case rupture. These vents also allow for quick and easy field cleaning with minimal equipment.
5. The firing pin and pin spring are coated with MicroSlick™, a dry film lubricant that reduces friction and wear.
6. To disassemble the bolt, simply twist the cocking piece and firing pin 90 degrees by hand, for quick and easy cleaning and maintenance in the field.
7. A recessed bolt-face that fits into a counter-bored barrel provides additional support to the barrel shank and action for tremendous strength around the cartridge base.
8. Hand-lapped locking lugs provide a smooth and precise lock-up for optimum accuracy and alignment to the barrel.



NOSLER® STOCKS

The stocks chosen for our rifles are designed for natural shouldering and point of aim while maintaining classic lines and comfortable recoil dispersion. Synthetic stocks are lightweight and provide consistent performance under harsh conditions, while the wood stocks feature a hand-rubbed oil finish for durability, easy maintenance and a warm, traditional feel. Nosler actions are glass and pillar bedded by hand to their stock to ensure there is a perfect match between components for the utmost accuracy and support. Each stock is fitted with a soft, 1” recoil pad and standard quick-detach sling swivel studs.



Liberty and Outfitter rifle models are fitted with an aramid fiber reinforced composite stock that is both lightweight and extremely durable. An aluminum core provides a consistent foundation to support the barreled action, resulting in great consistency in all weather conditions, and exceptional accuracy.

Model 48 Custom Rifles offer the option for a premium stock made of Kevlar® and Carbon Fiber for the pinnacle of durability and strength. These stocks are available in a variety of colors and feature the Nosler® C2™ finish that resists abrasion, intrusive weather, and cleaning chemicals while providing a textured finish for a solid grip in cold or wet conditions.



- Pachmayr® Decelerator® recoil pads are installed on all stocks.
- All barrels are fully free floated.
- Actions are glass and pillar bedded.
- Wood stocks feature 20 line per inch checkering to ensure a sure grip in any condition.
- Wood stocks are hand-oiled for beauty and durability.

MODEL 48 LIBERTY™

The Model 48 Liberty™ possesses all the traits that have earned Nosler Rifles a reputation for fantastic performance and robust dependability. Featuring a lightweight synthetic stock, top quality components, and protected by a hearty all-weather finish, the Model 48 Liberty is ready for any condition Mother Nature has to offer. With available cartridge chamberings ranging from the 22-250 Remington to the hard-hitting 338 Winchester, and our premier new cartridges, the 22 Nosler, 26 Nosler, 28 Nosler, 30 Nosler, and 33

Nosler there is a rifle for everyone in the Model 48 Liberty lineup. When used in conjunction with prescribed Nosler Ammunition, shooters can expect sub M.O.A. three shot groups at 100 yards. Whether you are punching holes in paper, or putting meat in the freezer, the Model 48 Liberty is sure to become the rifle you reach for time and time again.

MSRP: \$1795

Available in standard and Nosler Calibers.



BUILT FROM THE BULLET UP.

Nosler
UP FRONT



For a complete listing of specifications and offerings, turn to the appendix in the back of the catalog.



- Nosler Model 48 Custom Action
- Stainless Match-Grade Barrel
- Lightweight Aramid Fiber Reinforced Composite Stock
- Glass & Aluminum Pillar Bedding
- Hinged Floorplate
- 2-Position Rocker Safety
- Crisp, Hand-Tuned Trigger Pull
- Cerakote™ All-Weather Finish
- Guaranteed M.O.A. Accuracy with prescribed Nosler Ammunition



To order, please visit your local firearms retailer, or contact us directly by calling 1-800-285-3701 or visiting Nosler.com.

1. A composite stock reinforced with aramid fibers and an aluminum bedding chassis provides a lightweight and durable platform for the Nosler Model 48 action. Weather will not cause the stock to swell or warp, leading to consistent shot placement in any condition.

2. Contoured to accept any standard 2-Piece scope base that would otherwise fit a Remington® Model 700™.

OFFERINGS

22 Nosler
22-250 Rem (Twist, 1-9")
243 Win
260 Rem
6.5 Creedmoor
6.5-284 Norma
26 Nosler
270 Win
270 WSM
7mm-08 Rem
280 Ack Imp
7mm Rem Mag
28 Nosler
308 Win
30-06 Sprg
300 WSM
300 Win Mag
30 Nosler
338 Win Mag
33 Nosler

3. All external metal surfaces are coated with the NIC Industries Cerakote™ finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available.

4. A textured finish ensures proper grip in cold or wet weather. 1" Recoil Pad and straight stock design reduce felt recoil. A shadow-line cheek-piece provides a consistent and comfortable cheek weld for repeatable shoulder position.

5. Fully free-floating barrel ensures maximum shot to shot accuracy.

6. A lightweight aluminum floorplate allows for quick unloading, without adding appreciable weight to the rifle.

MODEL 48 OUTFITTER™

The Model 48 Outfitter provides the same rugged reliability of the Model 48 Liberty, but in a more compact and hard hitting package. Designed for dense brush hunting, the Model 48 Outfitter is fitted with a twenty-two-inch stainless steel barrel and a robust set of adjustable open sights for snap shots or backup in case of a scope malfunction in the field. The blind bottom magazine ensures smooth feeding and overall light weight for hunts in the back country, and eliminates the possibility of inadvertently dropping a

full magazine of cartridges on the ground at the most inopportune moments. Chambered in hard hitting rounds, the Model 48 Outfitter is an easy choice for the shooter looking for a rifle suitable for hunting anything that walks or crawls in North America.

MSRP: \$1995

Nosler
UP FRONT



For a complete listing of specifications and offerings, turn to the appendix in the back of the catalog.



- Nosler Model 48 Custom Action
- Stainless Match-Grade Barrel (22")
- Lightweight Aramid Fiber Reinforced Composite Stock
- Glass & Aluminum Pillar Bedding
- Blind-bottom Internal Magazine
- 2-Position Rocker Safety
- Crisp, Hand-Tuned Trigger Pull
- Cerakote™ All-Weather Finish
- Guaranteed M.O.A. Accuracy with prescribed Nosler Ammunition



1. A composite stock reinforced with aramid fibers and an aluminum bedding chassis provide a lightweight and durable platform for the Nosler Model 48 action. Weather will not cause the stock to swell or warp, leading to consistent shot placement in any condition.

2. Contoured to accept any standard 2-Piece scope base that would otherwise fit a Remington® Model 700™.

OFFERINGS

30-06 Sprg
338 Win Mag
35 Whelen

5

2

6

3

3. All external metal surfaces are coated with the NIC Industries Cerakote™ finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available.

4. A textured finish ensures proper grip in cold or wet weather. 1" Recoil Pad and straight stock design reduce felt recoil. A shadow-line cheek-piece provides a consistent and comfortable cheek weld for repeatable shoulder position.

5. Adjustable open sights with nitride finish to resist corrosion.

6. Fully free-floating 22" barrel ensures maximum accuracy, and maneuverability in thick foliage.

4

1

MODEL 48 HERITAGE™

The Model 48 Heritage combines classic styling with modern engineering and top of the line components, for a rifle that is as beautiful as it is functional. The fancy-grade, oiled walnut stock has been carefully designed for a seamless fit between the shooter and rifle. With a delicate palm-swell, slender forearm, and shadow-line cheek-piece, the Model 48 Heritage just feels right. A handsome,

matte-black Cerakote® all-weather finish compliments the dark wood grain, while fully protecting the metal-work from the elements. The Model 48 Heritage is for the shooter who desires all of the features expected in a contemporary hunting rifle, but with all of the tradition and warmth of a wood-stocked rifle.

MSRP: \$1895

Available in standard and Nosler Calibers.



BUILT FROM THE BULLET UP.

Nosler
UP FRONT

For a complete listing of specifications and offerings, turn to the appendix in the back of the catalog.



- Nosler Model 48 Custom Action
- Stainless Match-Grade Barrel
- Fancy Walnut Stock w/ 20 LPI Checkering
- Glass Bedding
- Hinged Floor-plate
- 2-Position Rocker Safety
- Crisp, Hand-Tuned Trigger Pull
- Cerakote™ All-Weather Finish
- Guaranteed M.O.A. Accuracy with prescribed Nosler Ammunition



To order, please visit your local firearms retailer, or contact us directly by calling 1-800-285-3701 or visiting Nosler.com.

1. Contoured to accept any standard 2-Piece scope base that would otherwise fit a Remington® Model 700™.

2. All external metal surfaces are coated with the NIC Industries Cerakote™ finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available.

OFFERINGS

22 Nosler
243 Win
6.5 Creedmoor
6.5-284 Norma
26 Nosler
270 Win
280 Ack Imp
7mm Rem Mag
28 Nosler
308 Win
30-06 Sprg
300 WSM
300 Win Mag
30 Nosler
338 Win Mag
33 Nosler

3. Fully free-floating barrel ensures maximum shot to shot accuracy

4. A lightweight aluminum floor-plate allows for quick unloading, without adding appreciable weight to the rifle.

5. Beautiful traditionally styled walnut stock with soft, 1" Recoil Pad and Quick Detach sling swivels. A Shadow-Line cheek-piece provides a consistent and comfortable cheek weld for repeatable shoulder position.

MODEL 48 LONG-RANGE™

The Nosler Model 48 Long Range has been designed from the ground up with the serious hunter and target shooter in mind. Nosler's rugged, innovative action is machined from a solid block of steel and built to provide a rigid platform for the utmost in tack driving accuracy. The bolt rides smoothly on precisely machined action rails, while the front of the receiver is faced perfectly square to true up with the mirror smooth, match grade 26" Shilen stainless steel fluted barrel.

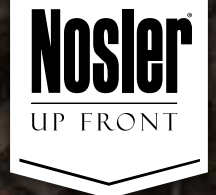
The Model 48 Long Range uses a crisp, single stage Timney® trigger with integral two position safety. The action is precisely bedded with

the barrel free floated in a Manners® MCS-T stock that incorporates both aluminum pillars and a robust recoil pad to absorb recoil and retain zero in the harshest conditions imaginable.

In short, the Model 48 Long Range is the ultimate choice for the open expanses of the west, the beanfields of the Southeast, the arroyos and senderos of Texas and the Southwest, or any range. Pick one up today and see what the legendary Nosler Model 48, top shelf American made components and unwavering attention to detail can do for your hunting and shooting success.



Available in standard and Nosler Calibers.



For a complete listing of specifications and offerings, turn to the appendix in the back of the catalog.



- Nosler Model 48 Custom Action
- Stainless Match-Grade **Shilen** Barrel
- Glass & Aluminum Pillar Bedding
- Hinged Floorplate
- 2-Position Rocker Safety
- **Timney™ Trigger**
- Cerakote™ All-Weather Finish
- Guaranteed M.O.A. Accuracy with prescribed Nosler Ammunition
- **Manners MCS-T Elite Tac** 100% Carbon Fiber stock



Manners carbon fiber stock features molded texturing in grip areas. Camo pattern is hand-applied and will vary slightly.

1. A Manners MCS-T Elite Tac 100% Carbon Fiber stock specifically made for the Nosler M48 action to provide weight savings and increase comfort. The stock has a high cheek piece for the large bell scopes helping provide the best cheek rest contact and neck relief for prone shooting, and a forend and palm swell featuring a molded texture surface for sure grip when standing for a shot. Weather resistant and pillar bedded for the best durability and precision in the field when it's needed most.

2. Contoured to accept any standard 2-Piece scope base that would otherwise fit a Remington® Model 700™.

OFFERINGS

6.5 Creedmoor
26 Nosler
28 Nosler
 300 Win Mag
30 Nosler
33 Nosler

3. All external metal surfaces are coated with the NIC Industries Cerakote™ finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available.

4. A textured finish ensures proper grip in cold or wet weather.

5. Fully free-floating stainless Shilen barrel ensures maximum shot to shot accuracy.

6. A lightweight aluminum floorplate allows for quick unloading, without adding appreciable weight to the rifle.

MODEL 48 WESTERN

Cabela's Exclusive

The Model 48 Western was designed in collaboration with the rifle department at Cabela's to create the ideal rifle for hunting big game in the Western United States. Featuring the same quality components found in the Model 48 Liberty, we changed the stock color to a handsome Forest Green, and added helical fluting as well as an optional muzzle brake to the light-contour, stainless steel barrel. The result was a half-pound reduction in weight, and the creation of a very striking, high-performance hunting rifle. Available chambered

in hard-hitting, long-range cartridges such as the 6.5 Creedmoor, 280 Ackley, 26, 28, 30, and the new 33 Nosler, the Model 48 Western is capable of handling all western big game-- even in open country where shots are long. The Model 48 Western is built by hand in Bend, Oregon and available exclusively from Cabela's.

Nosler
UP FRONT



Available in standard and Nosler Calibers.



For a complete listing of specifications and offerings, turn to the appendix in the back of the catalog.

- Nosler Model 48 Custom Action
- Stainless Match-Grade Helical Fluted Barrel
- Removable Muzzle Brake (Protective Thread Cap Included)
- Lightweight Aramid Fiber Reinforced Composite Stock
- Glass & Aluminum Pillar Bedding
- Hinged Floorplate
- **Timney™ Trigger**
- 2-Position Rocker Safety
- Cerakote™ All-Weather Finish
- Guaranteed M.O.A. Accuracy with prescribed Nosler Ammunition



HELICAL FLUTED BARREL

1. A composite stock reinforced with aramid fibers and an aluminum bedding chassis provides a lightweight and durable platform for the Nosler Model 48 action. Weather will not cause the stock to swell or warp, leading to consistent shot placement in any condition.

2. Contoured to accept any standard 2-Piece scope base that would otherwise fit a Remington® Model 700™.

OFFERINGS

6.5 Creedmoor
26 Nosler
280 Ack Imp
7mm Rem Mag
28 Nosler
300 Win Mag
30 Nosler
33 Nosler

3. All external metal surfaces are coated with the NIC Industries Cerakote™ finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available.

4. A textured finish ensures proper grip in cold or wet weather. 1" Recoil Pad and straight stock design reduce felt recoil. A shadow-line cheek-piece provides a consistent and comfortable cheek weld for repeatable shoulder position.

5. Fully free-floating barrel ensures maximum shot to shot accuracy.

6. A lightweight aluminum floorplate allows for quick unloading, without adding appreciable weight to the rifle.

M48 CUSTOM RIFLE

We spend much of our free time discussing the perfect rifle for various hunts we all dream of in the distant future. More often than not, our perfect rifles differ slightly from one another, and are frequently based on various tweaks to our existing factory rifles. That is why we have adjusted our Model 48 Custom offerings for 2017, to include a more straightforward list of options based on upgraded versions of our premium production rifles. Start with a Nosler Model 48 action with a premium match-grade barrel. Then, select the stock, barrel length, color, and various additions such as a muzzle brake or open sights. We'll take care of the barrel break-in and will accuracy test your rifle to ensure it's ready to go right out of the box.

The Model 48 Custom is also available with special Range-Ready Package upgrades, complete with top-of-the-line optics and shooting accessories specifically selected to suit various hunting conditions and environments. Or, piece together a custom package, choosing from a variety of scopes, mounts, and shooting accessories.

Check out our online Rifle Builder application at Nosler.com to view any combination of specified options and features, and then we will build it to those exacting specifications. With premium components at the heart of the rifle, there is no doubt that a Model 48 Custom Rifle is up to the challenge, whether it's in a backyard tree-stand, or half-way around the world.



*Please call us at 800-285-3701 for more information on the Model 48 Custom rifle options and ordering assistance. Model 48 Custom rifles are built-to-order.

Barrel Break-In

A procedure frequently overlooked by new rifle owners is completing a thorough barrel break-in. When new barrels are made, steel is unevenly stressed and microscopic burs and rough-spots are created. Hand-lapping new barrels certainly help with those burs and rough-spots, but there is nothing like putting rounds through them to relieve stress and put the final polish on the bore. Our recommended procedure calls for about 30 rounds and plenty of time spent cleaning the bore, and takes most shooters the better part of a day at the range to complete. However, this hard work results in a barrel that shoots better, and is significantly faster and easier to clean over its working life. Our Model 48 Custom Rifles are fully broken in and accuracy tested prior to shipment, resulting in exceptional out-of-the-box performance and giving you less time at the range—and more time in the field.



Upgrades and options include:

- Choice of Liberty, Heritage, or Outfitter style stock (Right-Hand Only)
- Upgraded Kevlar® and Carbon Fiber stock with Nosler C2™ finish (Right-Hand or Left-Hand)
- Upgraded Extra Fancy Walnut Stock with blackwood end caps and grip caps (Right-Hand Only)
- Add second stock bedded to the rifle
- Choice of Cerakote® metal finish colors
- Add floorplate engraving (Up to 25 characters)
- Select barrel length (20" to 26")
- Optional 3-position rocker safety
- Adjust length of pull (Kevlar/Carbon Fiber & Extra Fancy Walnut only)
- Add muzzle brake w/ protector

Kevlar/Carbon Fiber Stock Colors



- Proven Nosler Model 48 custom action
- Upgraded match-grade, stainless steel, hand-lapped barrel
- Barrel break-in completed by Nosler
- Accuracy test with prescribed Nosler Ammunition (¾" or better 3-shot groups at 100 yards, or 1" for belted magnums and cartridges 35 Cal and up)
- Glass and stainless steel pillar bedding
- Cerakote® and Micro Slick™ metal finish
- **Timney™ Trigger**
- Hand tuned trigger pull

RIFLE BUILDER

BUILD YOUR OWN RIFLE AT WWW.NOSLER.COM!

We know it's difficult to visualize your dream-rifle based on a stock photos, 1" square color swatches, and generic spec charts. That's why we have created Nosler Rifle Builder—a specialized online application that allows you to point and click to view your Nosler Model 48 Custom rifle in real time before you place your order. View optics options from top manufacturers as well as all of our Custom options in any combination you can imagine. Visit rifles.nosler.com to create your rifle.



Please note some color shade variation can occur.

STOCK OPTIONS



All external metal surfaces are coated with the NIC Industries Cerakote® finish. Designed to protect against rust and wear, Cerakote™ products can withstand tremendous impact with no coating loss, and can resist corrosion in a variety of tough conditions. We have found Cerakote™ to be the best firearm finish available. Your choice of color:



A match-grade stainless steel hand-lapped barrel provides guaranteed accuracy and resists corrosion for long periods in the field.

Left-Handed Options Available in Kevlar/-Carbon Fiber stock in Long-Action calibers.

* Options incur additional fees. Please refer to nosler.com for current options and pricing.

Nosler[®]

MERCHANDISE

Nosler's more than just a hunting brand, it's a lifestyle. Whether you've just discovered success with the Nosler product line, or if it's been on your family reloading bench for generations—we've got the gear to help you represent the product you trust in the field, off the field. Browse stylish Nosler gear and apparel at www.Nosler.com



NOSLER NEON SIGN

STICKERS



Part# 50017



Part# 50018

Nosler[®]
UP FRONT

Nosler Micro Logo Hat
Part# 50044



Max-1 Camo Hat
Part# 50088



Nosler Up Front Tan Hat
Part# 50079



Nosler Desert Digi Camo Hat
Part# 50046



Nosler Orange Blaze Hat
Part# 50087



**Vintage Nosler
Bullet Logo**
Dark Gray
Part# 57018



**Vintage
Nosler**
Gray
Part# 57024



**Vintage
Partition**
Dark Gray
Part# 57000



**Nosler
Cotton Tee**
Part# 55849

Color Options



CAMPING CHAIR
Part # 50012



PATCHES



Part # 50036



Part # 50029



Part # 50027



Part # 50032

NOSLER SILI PINT
Part # 50033



**NOSLER
SHOT GLASS**
Part # 50034



COUNTER MAT
Part # 50019



CARTIDGE TRAYS
.390 Diameter Part # 57930



CARTIDGE TRAYS
.485 Diameter Part # 57932



CARTIDGE TRAYS
.547 Diameter Part # 57934



More Styles And Options At Nosler.com

NOSLER PRO STAFF

JIM SHOCKEY

Pro Hunter, Outfitter, Hunting Consultant, TV Host, Executive Producer



Jim is the winner of SCI's prestigious CJ McElroy Award and North American Professional Hunter of the Year Award. His personal hunting experiences include travel to the remotest, wildest and most beautiful reaches of the world. To date, he has taken more than 200 big game species across the globe, including more than 190 different species with muzzleloader and holds more than 50 SCI world records. His energetic and adventurous approach to worldwide big game hunting and conservation have made him one of the most respected hunting personalities alive today and one of the most accomplished big game hunters in history.

Jim resides in British Columbia, Canada with his beautiful wife Louise.

For more information on Jim, please visit www.jimshockey.com

EVA SHOCKEY

Co-host of "Jim Shockey's Hunting Adventures"



Eva Shockey knows what it means to be a part of the Outdoor Industry. Growing up with Jim Shockey as her father brought Eva into the outdoors and in front of the camera at an early age. With a combined passion for conservation and adventure, Eva is now a full-fledged 'Outdoor Channel' and 'Wild TV' personality and is quickly making a name for herself within the industry as a proud, outdoors-woman. Spending over 250 days per year traveling the world to hunt and co-host "Jim Shockey's Hunting Adventures" as well as represent the Outdoor Channel at various television appearances, red carpet events, and trade-shows across Canada and the USA, Eva has found a way to balance hunting, travel and family into what she calls the "best lifestyle in the world".

For more information on Eva, please visit www.jimshockey.com

IVAN CARTER

Ivan is the host of a new hour long television show, "Carter's W.A.R."



Native son of Zimbabwe, Ivan Carter has spent the last 26 years closely associated with Africa as a professional guide, Professional Hunter and leading voice of African conservation. Ivan holds licenses to guide in Zimbabwe, Tanzania, Botswana and Mozambique and has personally guided people from all over the world to numerous big game animals and experiences through 11 African countries.

Ivan is the host of a new hour long television show, "Carter's W.A.R." on the Outdoor Channel. In this new show, Carter will bring viewers a behind the scenes look into some of the most complex areas of human/wildlife conflicts, surrounded by the beauty of Africa as he shows that man-eaters still exist and continent wide poaching and other conflict is on the rise. Carter's passion and knowledge of the subject will take the viewer on an incredible journey exploring solutions to these pressing issues before it is too late.

COREY KNOWLTON

International hunting expert



Like most of us, I started hunting at a young age with my family. As I grew older, I wanted to turn my passion for hunting into my career. I started out guiding friends on waterfowl hunts and then soon I landed my first real job in the outdoors as an assistant guide in Colorado hunting Mountain Lion. After a few more years of experience, along with a partner I started a Hunting Consulting agency. Through this, I got to host trips and guide hunters around the world. Over a decade ago, I met a guy named Jim Shockey and he trusted me to book his first African safari. In 2009 I started filming what turned out to be five year hunting trip that Jim and I filmed together with his son Branlin. These days, I'm spending most of my time raising kids, hunting deer and guiding sheep hunts!

For more information on Corey, please visit www.huntingconsortium.com

ANETTE WACHTER

Member, US Palma Rifle Team



Anette Wachter is a member of the United States National Rifle Team which is by invitation only. She competes in long range bulls-eye competition and has recently started shooting tactical rifle and 3 Gun. "I am a big fan of Nosler match 155 grain bullets. With these I won 3 national records at 300 yards and won the 2011 BC Championship and more". Anette's 2012 and 2013 accomplishments include: 2013 Silver Medal BC Rifle Championship. 2013 USA Team National Champion Roumanian, Herrick and Port Clinton Trophies. 2013 3rd National Doc Aiken Trophy. 2013 S. Africa USA Team Silver Medal America's Match. 2012 US Team Hayes Silver Medal – Camp Perry Palma. 2012 Team USA Silver medal at the BC Championship. 2012 BC Championship Flintoff Trophy.

You can follow Anette's adventures on her blog, www.30calgal.com

BRIAN WOJCIECHOWSKI "WOJO"

Professional Guide, Television Personality



Brian Wojciechowski "Wojo" has been Jim Shockey's key right hand man and head guide for over 13 years. Wojo is the man behind the scenes who runs the outfitting operations in Jim's Rogue River moose territory in the Yukon as well as his Canadian Whitetails operation in Saskatchewan. He has been featured many times on "Jim Shockey's Hunting Adventures", "Jim Shockey's – The Professionals" and "Jim Shockey's Uncharted" guiding clients to monster moose, mountain caribou, black bears and whitetail bucks.

Wojo is a lifelong resident of Saskatchewan and when he's not guiding for Jim he can be found hunting, fishing, trapping or riding his snowmobile. A "man's man" who grew up on a farm, Wojo is the kind of guy who can fix anything that moves and overcome any obstacle that Mother Nature throws at him. He has been happily married for 36 years, has two adult children and three grandchildren.

JASON WHITAKER

Professional Outfitter, Guide

JOSH WHITAKER

Professional Outfitter, Guide



Nosler Pro-staffers Josh and Jason Whitaker A.K.A. "The Twins" from Colorado started hunting and trapping at a very young age. After high school, the twins started professionally guiding big game hunters in the West. They now have 16 years of guiding experience for western big game as well as 12 years guiding in Sonora, Mexico. Jason and Josh own and operate Whitaker Brothers Hunting Company and provide trophy class hunts in several different states and Mexico for many different species of game. The twins have built a great reputation as some of the most honest, hard working guides and outfitters in the industry. Their work ethic is second to none and if they aren't in the field they are working out to stay in shape so they have no limitations in providing their clients with a hunt of a lifetime! After years of hunting and guiding experience the twins have learned what works best which is why they choose Nosler rifles and ammunition for themselves as well as their clients. The twins are proud to be on Nosler's team representing a product and company that has made them and other people successful on hunts worldwide!

For more information on Jason and Josh, please visit their website at www.whitakerbrothershunting.com

JANNA REEVES

Professional Shooter



After handling a gun for the first time, Janna quickly realized that she had a passion for shooting. After obtaining her own concealed carry permit and participating in extensive training classes, she became an instructor and taught ladies introductory firearm classes.

It was clear Janna had a natural talent for shooting and she entered the competitive shooting world. Since then, she has quickly risen through the ranks to become one of the most dominant female 3 gun and shotgun competitors in the US. She has amassed countless High Lady titles and top 3 finishes in national matches, earned a spot on the 3 Gun Nation Lady Pro series, appeared on numerous TV shows, and was selected to represent the US on the Women's Standard Team at the 2015 Shotgun World Shoot.

GARY LEWIS
Outdoor Writer, TV Host



Gary Lewis is an award-winning author, TV host, speaker and photographer. He has hunted and fished in seven countries on three continents and in the islands of the South Pacific. Born and raised in the Northwest, he has been walking forest trails and running rivers for as long as he can remember. He is a past and current president of the Northwest Outdoor Writers Association and a recipient of NOWA's Enos Bradner Award.

Lewis has penned 2,000 newspaper and magazine articles, some of his credits include Sports Afield, Rifle, Successful Hunter, African Sporting Gazette, Covey Rise, Cabela's Outfitter Journal, MDF and African Hunter.

Lewis lives in Central Oregon. With his wife Merrilee, he has three daughters, all accomplished hunters in their own right.

For more information on Gary, please visit www.garylewisoutdoors.com

JANA WALLER
TV Show Host, Producer, Outdoor Writer



Jana Waller has been a hunter and angler for over 30 years, hunting all across the U.S., Africa, Canada and Alaska. Earning a Bachelor's degree in Public Relations and Marketing, Jana has blended her passion for hunting and conservation with her communications background, actively promoting women in the outdoors and the undeniable relationship between hunters and conservation.

Appearing on national television shows such as 'Invasion Of' on Animal Planet, 'Ammo & Attitude' on NBC Sports, and 'Outfitter Boot Camp' on Outdoor Channel, Jana is currently hosting and co-producing her own hunting adventure show 'Skull Bound TV' on The Sportsman Channel. A 'BONE-IFIED' skull artist, Jana has been painting and beading European skulls for over a decade, custom designing skull art for hunters across the country.

For more information on Jana, please visit www.skullboundtv.com

JIM KINSEY
Executive Producer Skull Bound TV



Jim's thirty plus years of hunting the globe have proven invaluable in his career of film and television production. Working as Director of Photography and Executive Producer for the last 16 years, Jim is currently Executive Producing Season 4 of Skull Bound TV on the Sportsman Channel. He has hosted, directed, edited and conceptualized many current television shows and dozens of national commercial spots. His work has appeared on feature films with Steven Baldwin, Nat Geo's Ultimate Explorer, The History Channel, Discovery, Animal Planet, BBC, PBS, NOVA, and the Outdoor Channel. Whether stalking dangerous game on the Dark Continent or traversing British Columbia's high country his passion for capturing the essence of the hunt is seen in his cinematography.

For more information on Jim, please visit www.skullboundtv.com

NATHAN OLMSTEAD
Professional Outfitter and Guide



Nathan Olmstead is an owner of Prophet Muskwa Outfitters, a well-established name in the business with hunting territories in the Yukon, Northern British Columbia, Alberta, and Texas. Nathan holds a name for himself in the hunting industry as a professional hunter and being owner in one of the most prolific outfits in North America. Nathan entered the hunting world with Nosler. His first kill, at the ripe age of 7 years old, was a Blacktail deer using a Nosler Partition. Not only does he make his livelihood by hunting, he attributes much of the character building over his lifetime to the way of life that a professional hunter leads. With over 18 years of guiding under his belt, he knows for sure that quality matters. With Nosler, he is self-assured that when the hammer drops the job will be finished.

BRIAN COPE
Professional Guide / Nosler Pro Staff



Brian lives near Albany, Texas where he makes his living raising and riding horses, roping, and for the past 25 years, guiding on the world famous Nail Ranch. With countless clients and decades of hunting experience behind him, Brian has learned that no other brand in the world can be trusted in the field like Nosler. Wounding and chasing trophy-class whitetail in fields of prickly pear and thickets of thorny mesquite is not an option - which is why Brian keeps a Nosler Trophy Grade Rifle by his side along with Nosler AccuBond ammunition for guaranteed results, every time - no tracking required.

RANDY NEWBERG
Professional Guide / Nosler Pro Staff



Randy Newberg is a hunter. Randy is the voice of the public land hunter in America. Decades of chasing all species across public lands has provided both experience and perspective that has allowed Randy to become the leading advocate for the self-guided hunter; hunters dependent upon public lands for hunting access.

What started by accident, has grown into two popular TV shows, Fresh Tracks and On Your Own Adventures, accompanied by the long-standing Hunt Talk web forum. Now added to those platforms is the Hunt Talk Podcast where you get Randy Newberg, unfiltered.

Randy uses his platforms to advocate for hunters and public access. In addition to representing hunters in Congress and state legislatures, he serves as a volunteer and board member for many hunting and conservation groups.

TEAM 144

RYAN FRAKER
Team 144



DAN CONNER
Team 144



KURT SOLOMON
Team 144



Team 144 was formed by three local Oregon guys that came together with a shared passion for firearms. They began competing in long range tactical matches, police competitions, USPSA, and 3-Gun competitions. Soon after, they were granted sponsorship's by Nosler, Leupold, Benchmade Knives, and Radian Weapons. The name "Team 144" comes from Psalm 144 which the team believed was very appropriate. Dan and Ryan are Police Sergeants and Kurt is a Captain of the fire department. They enjoy spending time on the range and teaching others who share their passion for the shooting sports. Look them up on Facebook at: www.facebook.com/Team144

For more information on team 144, look them up on facebook at: www.facebook.com/Team144

NOSLER SPONSORED SHOOTERS

Nosler Sponsored Shooters are a select group of shooters whose achievements and expertise qualify them for a place on our team.

Sponsored shooters are selected from a number of different competitive shooting formats.

JAKE VIBBERT



Residing in Cheney Washington, Jake owns JC Steel targets Inc. and is a strong competitor in the Precision Rifle Series. In just three years, he has earned an impressive shooting resume with consistent top finishes at the national level events.

A devoted husband and father, Jake has formal degrees in sports medicine and youth ministry. An avid outdoorsman, he enjoys hunting and fishing with his family and mentoring disadvantaged children through his youth ministry service.

Make an introduction to Jake and you'll be responded to instantly with a big grin and firm handshake. One is hard pressed to find a nicer person.

SCOTT SATTERLEE



Scott Satterlee resides in Spokane Washington. He is a 26 year Special Operations Veteran with multiple combat tours, proven leadership capability and retired out of 1st Special Forces Group in 2016. Scott started competing in NRA Service Rifle in the early 1990s and continued to compete when possible in High Power, Small Bore and USPSA events throughout his military career.

When Precision Rifle started to become popular he found his niche. Scott has been very active in the Precision Rifle Sport for the last 6 years placing 15th last year in the Precision Rifle Series, 1st in the North West Steel challenge and North West Precision Rifleman's League. Scott loves to compete, but also enjoys passing on lessons learned teaching Citizens and elite warfighters.

JORGE BONILLA



Jorge Bonilla currently resides in Las Vegas, NV. He started shooting precision rifles in 2012 and has shot in the Precision Rifle Series for the past 3 years.

Previously, he competed in IDPA and 3-Gun but found his passion for long range shooting, where he has competed ever since. In 2013, he joined the Sin City Precision team and was selected as the club Vice President in 2014.

In 2015, Jorge was awarded the Top RO award. He placed Top 3 during multiple RO competitions, earning him overall 1st place, in preparation for 2015 Vegas Precision Rifle Challenge.

Jorge is also a 15 year Air Force veteran. He has previously worked in the maintenance arena and is now conducting air combat support operations around the world.

JANAE FREHNER



Janae Frehner resides in Las Vegas, Nevada. She did her first Precision Rifle Series match 2 years ago with no experience in competitive shooting and was immediately hooked.

Janae actively competes in the Precision Rifle Series. Her love for shooting started as she watched her dad and six brothers hunt big and small game, target shoot, and her favorite, shooting glass bottles at distance, and watching them explode.

After Janae married an avid hunter and shooter, she started hunting varmint and moved on to big game. Her love for shooting moved to competition shooting when she realized she could shoot far more rounds when doing competitions. Instead of shooting a couple rounds to kill a coyote, precision allowed for 60 rounds in a few hours. That was all it took to have her hooked in competitive shooting

KEVIN DITTOE



Kevin Dittoe is a U.S. Army veteran and now DOD contractor supporting the US Army's 16th Combat Aviation Brigade in Olympia, Washington. Kevin started shooting in local precision rifle matches in the fall of 2012 has continued to compete at the local and national level ever since.

Kevin is also the director of the Northwest Precision Rifle League, a regional league devoted to supporting the local Northwest shooters and introducing new people into the sport.

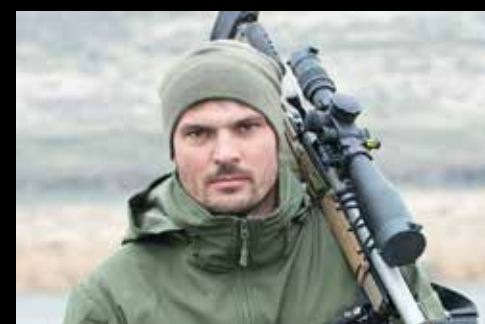
TIM MILKOVICH



Tim is a 12 year veteran with service in the US Marine Corps, US Army and US Air Force. Tim, a Deputy Sheriff for the last 12 years, is currently assigned to the Training Division as a firearms instructor and armorer. He teaches pistol, shotgun, carbine and has taught in SWAT schools and Sniper schools.

Tim has been shooting competition since 1986 in a variety of shooting sports including Pistol Silhouette, Bullseye Pistol, USPSA, IDPA, and 3 Gun. Tim is ranked as Master Class shooter in a majority of the sports he has participated in and is well known in the shooting industry.

NICK GADARZI



Gadarzi lives in Spokane WA. Gadarzi has been shooting long range for 5 years and competing in precision rifle matches for 2 years.

JEREMY BENTHAM



Jeremy Bentham started shooting local precision rifle matches in 2012. By 2014 Jeremy decided to chase the nationwide Precision Rifle Series. Finishing 12th overall, he set his sights on a Top 10 for 2015. 2015 was a big success shooting 4 matches, all being top 3 finishes including a first PRS win. Jeremy took home the 5th place trophy for the 2015 season. Jeremy rested for the 2016 and looks forward to a very successful 2017 season!

JON PYNCH



Jon lives in Oregon, with an awesome wife and two young boys. He has been an avid hunter for his whole life, and started getting into long range shooting 12 years ago. Jon's interest in long range shooting led him to search out some local long range shooting competitions about a year and half ago. After winning his first competition, he was hooked. 2016 was Jon's first full year competing, and he has been loving every second of it!

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RIFLE
APPENDIX

2017 NOSLER RIFLE SPECIFICATIONS & MSRP

M48 LIBERTY (M48L)

Part #	UPC	Cartridge	Metal Finish	Stock Type	Action Length	Mag Cap	Twist	Barrel Contour	Barrel Length	Overall Length	LOP	Drop @ Comb	Drop @ Heel	Weight	MSRP
40848	0 54041 40848 6	22 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Short	4	1-8"	Magnum	24"	44"	13.5"	.75"	.50"	TBD	\$1,795
36648	0 54041 36648 9	22-250 Rem	Graphite Cerakote™	Synthetic Sporter	Short	4	1-9"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
32648	0 54041 32648 3	243 Win	Graphite Cerakote™	Synthetic Sporter	Short	4	1-10"	Sporter	24"	44"	13.5"	.75"	.50"	6.75Lbs	\$1,795
32748	0 54041 32748 0	260 Rem	Graphite Cerakote™	Synthetic Sporter	Short	4	1-8"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
39448	0 54041 39448 2	6.5 Creedmoor	Graphite Cerakote™	Synthetic Sporter	Short	4	1-8"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
32848	0 54041 32848 7	6.5-284 Norma	Graphite Cerakote™	Synthetic Sporter	Long	4	1-8"	Sporter	24"	44.5"	13.5"	.75"	.50"	7.00 Lbs	\$1,795
32948	0 54041 32948 4	26 Nosler	Graphite Cerakote™	Synthetic Sporter	Long	3	1-8"	Magnum	26"	46.5"	13.5"	.75"	.50"	7.65 Lbs	\$1,795
35148	0 54041 35148 5	270 Win	Graphite Cerakote™	Synthetic Sporter	Long	4	1-10"	Sporter	24"	44.5"	13.5"	.75"	.50"	7.00 Lbs	\$1,795
35248	0 54041 35248 2	270 WSM	Graphite Cerakote™	Synthetic Sporter	Short	3	1-10"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
35348	0 54041 35348 9	7mm-08 Rem	Graphite Cerakote™	Synthetic Sporter	Short	4	1-9"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
35548	0 54041 35548 3	280 Ackley Imp	Graphite Cerakote™	Synthetic Sporter	Long	4	1-9"	Magnum	24"	44.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,795
35648	0 54041 35648 0	7mm Rem Mag	Graphite Cerakote™	Synthetic Sporter	Long	3	1-9"	Magnum	24"	44.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,795
39648	0 54041 39648 6	28 Nosler	Graphite Cerakote™	Synthetic Sporter	Long	3	1-9"	Magnum	26"	46.5"	13.5"	.75"	.50"	7.65 Lbs	\$1,795
35848	0 54041 35848 4	308 Win	Graphite Cerakote™	Synthetic Sporter	Short	4	1-10"	Sporter	24"	44"	13.5"	.75"	.50"	6.75 Lbs	\$1,795
35948	0 54041 35948 1	30-06 Sprg	Graphite Cerakote™	Synthetic Sporter	Long	4	1-10"	Sporter	24"	44.5"	13.5"	.75"	.50"	7.00 Lbs	\$1,795
36048	0 54041 36048 7	300 WSM	Graphite Cerakote™	Synthetic Sporter	Short	3	1-10"	Magnum	24"	44"	13.5"	.75"	.50"	7.25 Lbs	\$1,795
36148	0 54041 36148 4	300 Win Mag	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	24"	44.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,795
39248	0 54041 39248 8	30 Nosler	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	26"	46.5"	13.5"	.75"	.50"	7.65 Lbs	\$1,795
36348	0 54041 36348 8	338 Win Mag	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	24"	44.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,795
39348	0 54041 39348 5	33 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	26"	46.5"	13.5"	.75"	.50"	7.65 Lbs	\$1,795

M48 OUTFITTER (M48O)

72348	0 54041 72348 0	30-06 Sprg	Graphite Cerakote	Synthetic Sporter	Long	4	1-10"	Magnum	22"	42.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,995
72148	0 54041 72148 6	338 Win Mag	Graphite Cerakote	Synthetic Sporter	Long	3	1-10"	Magnum	22"	42.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,995
72448	0 54041 72448 7	35 Whelen	Graphite Cerakote	Synthetic Sporter	Long	4	1-14"	Magnum	22"	42.5"	13.5"	.75"	.50"	7.50 Lbs	\$1,995

M48 HERITAGE (M48H)

40948	0 54041 40948 3	22 Nosler NEW	Graphite Cerakote™	Walnut Sporter	Short	4	1-8"	Magnum	24"	44"	13.5"	.625"	.978"	TBD	\$1,895
36948	0 54041 36948 0	243 Win	Graphite Cerakote™	Walnut Sporter	Short	4	1-10"	Sporter	24"	44"	13.5"	.625"	.978"	7.25 Lbs	\$1,895
29948	0 54041 29948 0	6.5 Creedmoor	Graphite Cerakote™	Walnut Sporter	Short	4	1-8"	Sporter	24"	44"	13.5"	.625"	.978"	7.25 Lbs	\$1,895
37248	0 54041 37248 0	6.5-284 Norma	Graphite Cerakote™	Walnut Sporter	Long	4	1-8"	Sporter	24"	44.5"	13.5"	.625"	.978"	7.50 Lbs	\$1,895
37558	0 54041 37558 0	26 Nosler	Graphite Cerakote™	Walnut Sporter	Long	3	1-8"	Magnum	26"	46.5"	13.5"	.625"	.978"	7.85 Lbs	\$1,895
37648	0 54041 37648 8	270 Win	Graphite Cerakote™	Walnut Sporter	Long	4	1-10"	Sporter	24"	44.5"	13.5"	.625"	.978"	7.50 Lbs	\$1,895
38048	0 54041 38048 5	280 Ackley Imp	Graphite Cerakote™	Walnut Sporter	Long	4	1-9"	Magnum	24"	44.5"	13.5"	.625"	.978"	7.75 Lbs	\$1,895
38148	0 54041 38148 2	7mm Rem Mag	Graphite Cerakote™	Walnut Sporter	Long	3	1-9"	Magnum	24"	44.5"	13.5"	.625"	.978"	7.75 Lbs	\$1,895
39548	0 54041 39548 9	28 Nosler	Graphite Cerakote™	Walnut Sporter	Long	3	1-9"	Magnum	26"	46.5"	13.5"	.625"	.978"	7.85 Lbs	\$1,895
38248	0 54041 38248 9	308 Win	Graphite Cerakote™	Walnut Sporter	Short	4	1-10"	Sporter	24"	44"	13.5"	.625"	.978"	7.25 Lbs	\$1,895
38348	0 54041 38348 6	30-06 Sprg	Graphite Cerakote™	Walnut Sporter	Long	4	1-10"	Sporter	24"	44.5"	13.5"	.625"	.978"	7.50 Lbs	\$1,895
38448	0 54041 38448 3	300 WSM	Graphite Cerakote™	Walnut Sporter	Short	3	1-10"	Magnum	24"	44"	13.5"	.625"	.978"	7.50 Lbs	\$1,895
38548	0 54041 38548 0	300 Win Mag	Graphite Cerakote™	Walnut Sporter	Long	3	1-10"	Magnum	24"	44.5"	13.5"	.625"	.978"	7.75 Lbs	\$1,895
37548	0 54041 37548 1	30 Nosler	Graphite Cerakote™	Walnut Sporter	Long	3	1-10"	Magnum	26"	46.5"	13.5"	.625"	.978"	7.85 Lbs	\$1,895
38848	0 54041 38848 1	338 Win Mag	Graphite Cerakote	Walnut Sporter	Long	3	1-10"	Magnum	24"	44.5"	13.5"	.625"	.978"	7.75 Lbs	\$1,895
39148	0 54041 39148 1	33 Nosler NEW	Graphite Cerakote	Walnut Sporter	Long	3	1-10"	Magnum	26"	46.5"	13.5"	.625"	.978"	7.85 Lbs	\$1,895

M48 LONG-RANGE

41848	0 54041 41848 5	6.5 Creedmoor NEW	Graphite Cerakote™	Manners MCS-T	Short	4	1-8"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495
41948	0 54041 41948 2	26 Nosler NEW	Graphite Cerakote™	Manners MCS-T	Long	3	1-8"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495
42048	0 54041 42048 8	28 Nosler NEW	Graphite Cerakote™	Manners MCS-T	Long	3	1-9"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495
42148	0 54041 42148 5	300 Win Mag NEW	Graphite Cerakote™	Manners MCS-T	Long	3	1-10"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495
42248	0 54041 42248 2	30 Nosler NEW	Graphite Cerakote™	Manners MCS-T	Long	3	1-10"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495
42348	0 54041 42348 9	33 Nosler NEW	Graphite Cerakote™	Manners MCS-T	Long	3	1-10"	Heavy	26"	48"	13.5"	.38"	1.27"	TBD	\$2,495

M48 WESTERN

40048	0 54041 40048 0	6.5 Creedmoor NEW	Graphite Cerakote™	Synthetic Sporter	Short	4	1-8"	Sporter	24.5"	44.5"	13.5"	.75"	.50"	6.65	N/A
40148	0 54041 40148 7	26 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-8"	Sporter	24.5"	45"	13.5"	.75"	.50"	6.9	N/A
40248	0 54041 40248 4	280 Ackley Imp NEW	Graphite Cerakote™	Synthetic Sporter	Long	4	1-9"	Sporter	24.5"	45"	13.5"	.75"	.50"	6.9	N/A
40348	0 54041 40348 1	7mm Rem Mag NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-9"	Magnum	24.5"	45"	13.5"	.75"	.50"	7.65	N/A
40448	0 54041 40448 8	28 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-9"	Magnum	24.5"	45"	13.5"	.75"	.50"	7.65	N/A
40548	0 54041 40548 5	300 Win Mag NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	24.5"	45"	13.5"	.75"	.50"	7.65	N/A
40648	0 54041 40648 2	30 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	24.5"	45"	13.5"	.75"	.50"	7.65	N/A
40748	0 54041 40748 9	33 Nosler NEW	Graphite Cerakote™	Synthetic Sporter	Long	3	1-10"	Magnum	24.5"	45"	13.5"	.75"	.50"	7.65	N/A

2017 NOSLER CUSTOM RIFLE SPECIFICATIONS

M48 CUSTOM (M48C)

Part #	UPC	Cartridge	Metal Finish	Stock Type	Action Length	Mag Cap	Twist	Barrel Contour	Barrel Length	Overall Length	LOP	Drop @ Comb	Drop @ Heel	Weight	Base MSRP
42748	0 54041 42748 7	22 Nosler NEW		(See Options)*	Short	4	1-8"	Magnum		(See Options)*					\$2,495
24348	0 54041 24348 3	243 Win		(See Options)*	Short	4	1-10"	Sporter		(See Options)*					\$2,495
26048	0 54041 26048 0	260 Rem		(See Options)*	Short	4	1-8"	Sporter		(See Options)*					\$2,495
34048	0 54041 34048 9	6.5 Creedmoor		(See Options)*	Short	4	1-8"	Sporter		(See Options)*					\$2,495
26648	0 54041 26648 2	6.5x55mm Swede		(See Options)*	Long	4	1-8"	Sporter		(See Options)*					\$2,495
28448	0 54041 28448 6	6.5-284 Norma		(See Options)*	Long	4	1-8"	Sporter		(See Options)*					\$2,495
29248	0 54041 29248 1	264 Win Mag		(See Options)*	Long	3	1-8"	Magnum		(See Options)*					\$2,495
23948	0 54041 23948 6	26 Nosler		(See Options)*	Long	3	1-8"			(See Options)*					\$2,495
27048	0 54041 27048 9	270 WSM		(See Options)*	Short	3	1-10"	Sporter		(See Options)*					\$2,495
27748	0 54041 27748 8	270 Win		(See Options)*	Long	4	1-10"	Sporter		(See Options)*					\$2,495
70848	0 54041 70848 7	7MM-08 Rem		(See Options)*	Short	4	1-9"	Sporter		(See Options)*					\$2,495
26948	0 54041 26948 3	7mm Mauser (7x57)		(See Options)*	Long	4	1-9"	Sporter		(See Options)*					\$2,495
28048	0 54041 28048 8	280 Ackley Imp		(See Options)*	Long	4	1-9"			(See Options)*					\$2,495
26848	0 54041 26848 6	7mm Rem Mag		(See Options)*	Long	3	1-9"	Magnum		(See Options)*					\$2,495
39848	0 54041 39848 0	28 Nosler		(See Options)*	Long	3	1-9"	Magnum		(See Options)*					\$2,495
30848	0 54041 30848 9	308 Win		(See Options)*	Short	4	1-10"	Sporter		(See Options)*					\$2,495
30648	0 54041 30648 5	30-06 Sprg		(See Options)*	Long	4	1-10"	Sporter		(See Options)*					\$2,495
30048	0 54041 30048 3	300 WSM		(See Options)*	Short	3	1-10"	Magnum		(See Options)*					\$2,495
31048	0 54041 31048 2	300 Win Mag		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$2,495
22048	0 54041 22048 4	30 Nosler		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$2,495
35448	0 54041 35448 6	338 Win Mag		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$2,495
42848	0 54041 42848 4	33 Nosler NEW		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$2,495
34748	0 54041 34748 8	35 Whelen		(See Options)*	Long	4	1-14"	Magnum		(See Options)*					\$2,495
24448	0 54041 24448 0	350 Rem Mag		(See Options)*	Short	3	1-14"	Magnum		(See Options)*					\$2,495
33948	0 54041 33948 3	9.3x62mm		(See Options)*	Long	4	1-12"	Magnum		(See Options)*					\$2,495
34848	0 54041 34848 5	458 Win Mag		(See Options)*	Long	3	1-14"	Magnum		(See Options)*					\$2,495
Left Hand (Kevlar Stock only)															
26748	0 54041 26748 9	6.5x55mm Swede		(See Options)*	Long	4	1-8"	Sporter		(See Options)*					\$3,145
28548	0 54041 28548 3	6.5-284 Norma		(See Options)*	Long	4	1-8"	Sporter		(See Options)*					\$3,145
31748	0 54041 31748 1	264 Win Mag		(See Options)*	Long	3	1-8"	Magnum		(See Options)*					\$3,145
24548	0 54041 24548 7	26 Nosler		(See Options)*	Long	3	1-8"			(See Options)*					\$3,145
21648	0 54041 21648 7	270 Win		(See Options)*	Long	4	1-10"	Sporter		(See Options)*					\$3,145
28148	0 54041 28148 5	280 Ackley Imp		(See Options)*	Long	4	1-9"			(See Options)*					\$3,145
24848	0 54041 24848 8	7mm Mauser (7x57)		(See Options)*	Long	4	1-9"	Sporter		(See Options)*					\$3,145
24948	0 54041 24948 5	7mm Rem Mag		(See Options)*	Long	3	1-9"	Magnum		(See Options)*					\$3,145
39948	0 54041 39948 7	28 Nosler		(See Options)*	Long	3	1-9"	Magnum		(See Options)*					\$3,145
37148	0 54041 37148 3	30-06 Sprg		(See Options)*	Long	4	1-10"	Sporter		(See Options)*					\$3,145
31948	0 54041 31948 5	300 Win Mag		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$3,145
24648	0 54041 24648 4	30 Nosler		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$3,145
31348	0 54041 31348 3	338 Win Mag		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$3,145
42948	0 54041 42948 1	33 Nosler NEW		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$3,145
33248	0 54041 33248 4	35 Whelen		(See Options)*	Long	4	1-10"	Magnum		(See Options)*					\$3,145
34648	0 54041 34648 1	9.3x62mm		(See Options)*	Long	4	1-10"	Magnum		(See Options)*					\$3,145
33648	0 54041 33648 2	458 Win Mag		(See Options)*	Long	3	1-10"	Magnum		(See Options)*					\$3,145
* Options may be found in the 2017 Product Catalog or at nosler.com															

FULLY PREPPED, READY TO LOAD!

Nosler Brass			Nosler Brass		
Cartridge	Qty.	Part #			
17 Remington	100 ct.	10128	300 H&H Magnum	25 ct.	11800
204 Ruger	50 ct.	10056	300 Winchester Magnum	50 ct.	10227
221 Remington Fireball	100ct.	10078	300 WSM	25 ct.	11863
222 Remington	100 ct.	10058	300 Rem SA Ultra Mag	25 ct.	10228
223 Remington	50 ct.	10070	300 Remington Ultra Mag	25 ct.	11940
223 Remington	100 ct.	10098	300 Weatherby Magnum	50 ct.	10180
22 Nosler	100 ct.	10067	30 Nosler	25 ct.	10221
22-250 Remington	50 ct.	10065	30-378 Weatherby Mag	25 ct.	10235
243 Winchester	50 ct.	10105	8x57 JS Mauser	50 ct.	11888
257 Roberts+P	50 ct.	10135	325 WSM	25 ct.	11907
257 Weatherby Mag	50 ct.	10138	8mm Remington Magnum	25 ct.	11892
25-06 Remington	50 ct.	10132	338-06 A-Square	25 ct.	11910
6.5 Grendel	50 ct.	44916	338 Winchester Magnum	50 ct.	17883
6.5 Creedmoor	50 ct.	44824	338 Remington Ultra Magnum	25 ct.	11912
260 Remington	50 ct.	11354	338 Lapua Magnum	25 ct.	11914
6.5X55 Swedish	50 ct.	10212	33 Nosler	25 ct.	10222
6.5-284 Norma	50 ct.	10190	340 Weatherby Mag	25 ct.	11924
264 Winchester Magnum	50 ct.	11234	35 Whelen	50 ct.	11926
26 Nosler	25 ct.	10140	350 Remington Magnum	25 ct.	11928
270 WSM	25 ct.	10045	9.3x62 Mauser	25 ct.	11952
270 Winchester	50 ct.	10155	9.3x74 R	25 ct.	11954
270 Weatherby Mag	50 ct.	10147	375 H&H Magnum	25 ct.	11930
7mm-08 Remington	50 ct.	10187			
7x57 Mauser	50 ct.	44507			
280 Remington	50 ct.	10160			
280 Ackley Improved	50 ct.	10175			
7mm SA Ultra Mag	25 ct.	10184			
7mm Remington Magnum	50 ct.	10185			
7mm STW	25 ct.	11472			
7mm Remington Ultra Mag	25 ct.	10188			
28 Nosler	25 ct.	10150			
300 AAC Blackout	50 ct.	45123			
308 Winchester	50 ct.	10225			
30-06 Springfield	50 ct.	10226			



PREMIUM, UNPREPPED BRASS

Nosler Bulk Brass			SSA Brass		
Cartridge	Qty.	Part #	Cartridge	Qty.	Part #
204 Ruger	250 ct.	10057	5.56 NATO	100 ct.	75500
22 Hornet	250 ct.	10066	243 Winchester	100 ct.	75505
223 Remington	250 ct.	10099	260 Remington	50 ct.	75550
222 Rem Mag	250 ct.	10059	6.8mm Remington SPC	100 ct.	75510
22 Nosler	250 ct.	10068	300 AAC Blackout	100 ct.	75525
300 AAC Blackout	250 ct.	45124	308 Winchester	100 ct.	75515
			30-06 Springfield	100 ct.	75520



AMMUNITION APPENDIX

BTA DEFENSE ETA MGA NCA NVSK SAFARI Ballistic Tip Ammunition Defense Ammunition E-Tip Ammunition Match Grade Ammunition NoslerCustom Handloaded Ammunition Noveske Ammunition Safari Dangerous Game Ammunition

SSA TGA TGA-LR VGA SSA Ammunition Trophy Grade Ammunition Trophy Grade (LONG RANGE) Ammunition Varmageddon Ammunition

FBHP HPBT SP T-BND JHP B-JHP PT BTLF ET BSB Flat Base Hollow Point Hollow Point Boat Tail Spitzer Tipped Bonded Jacketed Hollow Point Bonded Jacketed Hollow Point Partition Ballistic Tip Lead Free E-Tip Bonded Solid Base

SD BT AB CC ABLR BT Glow BT RN Solid Ballistic Tip AccuBond Custom Competition AccuBond Long Range Ballistic Glow Tip Ballistic Tip Round Nose

LF MZL Lead-Free Muzzle

* 22 Nosler test bbl 18" * 5.56 test bbl 16" * 6.8 SPC test bbl 20" * 300 Blk test bbl 16" * 7.62x51 test bbl 18"

RIFLE									VELOCITY (FPS)									
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	Count	BBL TWIST RQ/MT	FOR USE	LEAD FREE	MZL	100	200	300	400	500	600	700	800	
17 Remington	VGA	20	FBHP	65100	20	1-10"	Varmint-Targets		4,200	3230	2442	1780	1272	1002	869	774	695	
204 Ruger	VGA	20	FB Tipped	65105	20	"	Varmint-Targets		4,200	3544	2978	2477	2029	1634	1312	1094	970	
	VGA	32	FBHP	65110	20	1-12"	Varmint-Targets		4,000	3148	2438	1832	1347	1053	911	815	739	
	VGA	32	FB Tipped	65115	20	"	Varmint-Targets		4,000	3433	2934	2487	2081	1718	1408	1174	1028	
	TGA	32	BTLF	60089	20	"	Varmint-Targets	XX	3,800	3311	2875	2478	2114	1783	1493	1257	1092	
	NCA	40	BT	00505	20	"	Varmint-Targets		3,625	3176	2771	2399	2058	1748	1475	1252	1095	
	VGA	35	FB Tipped	41132	50	1-16"	Varmint-Targets		3,000	2286	1683	1229	992	869	778	702	637	
22 Hornet	NCA	40	BT	02015	50	1-14"	Varmint-Targets		2,800	2397	2029	1698	1413	1192	1048	956	884	
	NCA	35	BTLF	13021	50	1-12"	Varmint-Targets	XX	3,250	2765	2328	1934	1586	1301	1102	982	900	
221 Remington Fireball	VMG	40	FBHP	65120	20	"	Varmint-Targets		3,100	2510	1991	1547	1209	1016	907	826	759	
	VMG	40	FB Tipped	65125	20	"	Varmint-Targets		3,100	2651	2243	1874	1549	1283	1097	985	908	
	NCA	40	BT	04016	50	"	Varmint-Targets		3,100	2689	2313	1962	1659	1392	1185	1049	961	
222 Remington	NCA	35	BTLF	13125	50	1-14"	Varmint-Targets	XX	3,700	3163	2687	2258	1871	1532	1260	1077	966	
	VMG	40	FBHP	65130	20	"	Varmint-Targets		3,400	2771	2221	1740	1347	1088	951	861	789	
	VMG	40	FB Tipped	65135	20	"	Varmint-Targets		3,400	2920	2488	2095	1742	1437	1200	1047	952	
	NCA	40	BT	05080	50	"	Varmint-Targets		3,400	2961	2562	2197	1863	1566	1317	1133	1016	
	NCA	50	BT	05091	50	"	Varmint-Targets		3,025	2631	2269	1937	1639	1382	1182	1050	963	
	NCA	40	BT	06005	50	1-14"	Varmint-Targets		3,600	3140	2726	2347	2000	1686	1415	1202	1059	
222 Rem Magnum	NCA	50	BT	06088	50	"	Varmint-Targets		3,340	2917	2533	2179	1855	1567	1323	1141	1024	
	TGA	35	BTLF	60004	20	1-14"	Varmint-Targets	XX	3,750	3206	2725	2291	1899	1555	1276	1087	974	
	TGA	40	BTLF	60007	20	1-12"	Varmint-Targets	XX	3,625	3139	2704	2308	1947	1624	1352	1148	1021	
	TGA	40	BT	60001	20	1-14"	Varmint-Targets		3,700	3208	2768	2368	2003	1675	1394	1178	1039	
	VMG	53	FB Tipped	65139	20	"	Varmint-Targets		3,350	3024	2712	2420	2147	1892	1658	1449	1272	
	VMG	55	FBHP	65140	20	"	Varmint-Targets		3,100	2664	2268	1908	1587	1320	1126	1006	925	
	VMG	55	FB Tipped	65145	20	"	Varmint-Targets		3,100	2725	2380	2060	1768	1508	1290	1128	1022	
	TGA	55	ET	60028	20	1-10"	Deer Sized Game	XX	3,100	2785	2491	2215	1959	1722	1508	1323	1175	
	MGA	60	BT	60013	20	"	Varmint-Targets		3,000	2668	2360	2072	1806	1566	1358	1191	1076	
	VMG	62	FBHP	40223	20	1-14"	Varmint-Targets		2,950	2581	2242	1928	1645	1400	1204	1069	981	
	DEFENSE	64	BSB	39674	20	"	Personal Defense		2,750	2368	2018	1701	1427	1210	1064	971	902	
	MGA	69	HPBT	60023	20	1-9"	Varmint-Targets		2,700	2411	2140	1887	1655	1449	1274	1139	1044	
	MGA	77	HPBT	60011	20	1-8"	Varmint-Targets		2,550	2298	2061	1839	1634	1450	1291	1164	1070	
	5.56x45mm NATO	NVSK*	55	FB Tipped	52201	20	1-14"	Varmint-Targets		2,700	2357	2041	1751	1494	1280	1122	1017	942
	SSA*	55	BT	75000	20	"	Varmint-Targets		2,700	2372	2068	1789	1538	1324	1158	1046	966	
	NVSK*	60	BT Glow	52207	20	1-10"	Varmint-Targets		2,600	2282	1989	1719	1480	1279	1128	1026	952	
	SSA*	63	SP	75005	20	"	Varmint-Targets		2,550	2191	1867	1579	1336	1152	1031	948	886	
	SSA*	77	CC	75010	20	1-8"	Targets		2,475	2228	1996	1780	1580	1403	1254	1135	1050	
	22 Nosler	TGA	55	BT	60015	20	1-8"	Varmint-Targets		3,350	2965	2613	2286	1984	1707	1462	1259	1109
	MGA	77	CC	60016	20	"	Targets		2,950	2672	2410	2163	1931	1715	1519	1347	1204	
	22-250 Remington	TGA	35	BTLF	60006	20	1-14"	Varmint-Targets	XX	4,200	3598	3073	2606	2183	1803	1474	1217	1051
	TGA	40	BTLF	60008	20	1-12"	Varmint-Targets	XX	3,800	3295	2844	2436	2063	1727	1436	1207	1056	
	NCA	50	BT	05510	20	1-14"	Varmint-Targets		3,850	3375	2950	2562	2206	1880	1588	1341	1153	
	VMG	55	FBHP	65150	20	"	Varmint-Targets		3,550	3049	2601	2194	1827	1505	1248	1075	970	
	VMG	55	FB Tipped	65155	20	"	Varmint-Targets		3,550	3135	2757	2410	2088	1793	1530	1308	1140	
	TGA	55	BT	60003	20	"	Varmint-Targets		3,550	3153	2790	2455	2144	1857	1597	1373	1194	
	NCA	60	PT	05505	20	1-12"	Deer Sized Game		3,450	2999	2591	2218	1877	1573	1319	1132	1014	
	TGA	64	BSB	60017	20	1-14"	Deer Sized Game		3,425	2988	2591	2228	1897	1598	1346	1159	1030	
220 Swift	NCA	50	BT	03077	20	1-14"	Varmint-Targets		3,900	3420	2990	2599	2240	1911	1615	1363	1169	
	NCA	60	PT	03049	20	1-12"	Deer Sized Game		3,550	3089	2673	2292	1945	1633	1367	1165	1034	
	243 Winchester	VMG	55	FBHP	65160	20	1-10"	Varmint-Targets		3,800	3226	2721	2269	1862	1509	1232	1054	949
	VMG	55	FB Tipped	65165	20	"	Varmint-Targets		3,800	3355	2954	2587	2248	1936	1653	1407	1210	
	TGA	85	PT	60002	20	"	Deer Sized Game		3,225	2910	2617	2342	2084	1843	1622	1426	1260	
	BTA	90	BT	40050	20	"	Deer/Hogs/Antelope		3,000	2741	2497	2265	2046	1841	1649	1476	1324	
	TGA	90	AB	48263	20	"	Deer Sized Game		3,100	2842	2599	2368	2149	1942	1749	1570	1410	
	ETA	90	ET	40030	20	1-9"	Deer Sized Game	XX	3,200	2953	2720	2499	2288	2087	1897	1719	1555	
	240 WBY Mag	NCA	100	PT	10051	20	Deer Sized Game		3,150	2894	2653	2425	2207	2001	1808	1628	1464	
25-06 Remington	TGA	100	PT	60005	20	1-10"	Deer Sized Game		3,300	3031	2778	2538	2312	2096	1893	1703	1529	
	TGA	100	ET	60009	20	"	Deer Sized Game	XX	3,200	2957	2727	2508	2300	2102	1914	1737	1573	
	NCA	110	AB	10210	20	"	Deer Sized Game		3,100	2867	2647	2436	2236	2045	1864	1694	1537	
257 Roberts +P	NCA	100	BT	11056	20	"	Deer Sized Game		3,000	2758	2529	2312	2105	1909	1726	1557	1404	
	NCA	100	PT	11025	20	"	Deer Sized Game		3,000	2748	2511	2285	2071	1869	1681	1510	1357	
	TGA	110	AB	60010	20	"	Deer Sized Game		3,000	2772	2556	2350	2154	1967	1790	1626	1475	
	NCA	115	BT	11064	20	"	Deer Sized Game		2,800	2599	2406	2222	2046	1879	1721	1573	1438	

ENERGY (FT-LBS)									DROP IN INCHES (100 YRD ZERO)									DROP IN INCHES (200 YRD ZERO)								
MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800
783	463	265	141	72	45	34	27	21	-1.5	0	-1.9	-9.9	-29.3	-70.4	-146	-267.7	447.6	-1.5	1	0	-7	-25.4	-65.6	-140.3	-261	-439.9
783	558	394	272	183	119	76	53	42	-1.5	0	-1.3	-6.6	-17.6	-37.2	-70	-123.2	-200.1	-1.5	0.6	0	-4.6	-15	-33.9	-66.1	-118.6	-200.1
1136	704	422	239	129	79	59	47	39	-1.5	0	-2.1	-10.2	-29	-67.3	-136.8	-248.2	-412.1	-1.5	1	0	-7.1	-24.8	-62.1	-130.5	-240.9	-403.7
1137	837	612	439	308	210	141	98	75	-1.5	0	-1.5	-7	-18.3	-37.6	-68.9	-117.9	-192.2	-1.5	0.7	0	-4.8	-15.3	-33.9	-64.5	-112.8	-186.3
1026	779	587	436	317	226	158	112	85	-1.5	0	-1.7	-7.6	-19.3	-38.8	-69.3	-115.6	-184	-1.5	0.8	0	-5.1	-15.9	-34.5	-64.3	-109.7	-177.2
1167	896	682	511	376	271	193	139	106	-1.5	0	-2	-8.5	-21.1	-42	-74.4	-122.9	-185.8	-1.5	1	0	-5.5	-17.2	-37.1	-68.5	-116	-185.8
699	406	220	117	76	58	47	38	31	-1.5	0	-5.1	-23	-64	-140.1	-262.4	-442.2	-692.8	-1.5	2.6	0	-15.3	-53.7	-127.3	-247	-424.3	-672.3
696	510	366	256	177	126	97	81	70	-1.5	0	-4.6	-17.8	-43.1	-86	-153.3	-252.3	-389.2	-1.5	2.3	0	-10.8	-33.9	-74.5	-139.5	-236.1	-370.7
821	594	421	291	196	131	94	75	63	-1.5	0	-3.1	-12.7	-31.7	-64.7	-118.4	-200.6	-318.9	-1.5	1.55	0	-8	-25.5	-57	-109.1	-189.8	-306.6
853	559	352	212	129	91	73	61	51	-1.5	0	-4.1	-17.3	-45.1	-96.9	-182.2	-309.8	-488.4	-1.5	2.1	0	-11	-36.9	-86.6	-169.8	-295.3	-471.9
853	624	447	312	213	146	107	86	73	-1.5	0	-3.5	-14	-34.5	-69.7	-126.1	-211.2	-332.2	-1.5	1.7	0	-8.7	-27.5	-60.9	-115.6	-199	-318.2
853	642	447	344	244	172	124	97	82	-1.5	0	-3.1	-12.7	-31.5	-62.9	-112.5	-186.7	-292.5	-1.5	1.5	0	-8.1	-25.3	-55.2	-103.2	-175.9	-280.1
1064	778	561	396	272	183	123	90	72	-1.5	0	-2	-8.9	-22.7	-46.5	-85.4	-146.2	-236.9	-1.5	1	0	-5.9	-18.6	-41.5	-79.3	-132.9	-228.9
1026	681	438	269	161	105	80	66	55	-1.5	0	-3.1	-13.4	-35.5	-76.9	-147.6	-256.6	-412.6	-1.5	1.6	0	-8.8	-29.3	-69.1	-138.2	-245.7	-400.1
1026	757	550	390	269	183	127	97	80	-1.5	0	-2.6	-10.9	-27.2	-55.1	-100	-169	-269.7	-1.5	1.3	0	-7	-22	-48.6	-92.2	-159.9	-259.2
1026	778	583	428	308	217	154	114	91	-1.5	0	-2.5	-10.3	-26.3	-52.8	-94.9	-159	-252.5	-1.5	1.3	0	-6.8	-21.2	-46.4	-87.2	-150.1	-242.3
1015	768	571	416	298	212	155	122	103	-1.5	0	-3.6	-13.9	-33.7	-66.4	-117.5	-193.5	-300.8	-1.5	1.8	0	-8.6	-26.5	-57.5	-106.9	-181	-286.6
1150	876	660	489	355	252	178	128	99	-1.5	0	-2	-8.8	-21.9	-43.9	-78.1	-129.9	-205.7	-1.5	1	0	-5.7	-17.8	-38.7	-72	-122.7	-197.5
1238	945	712	527	382	272	194	144	116	-1.5	0	-2.6	-10.7	-26.1	-51.8	-91.8	-151.6	-238.1	-1.5	1.3	0	-6.8	-20.9	-45.3	-83.9	-142.5	-227.7
1092	799	577	408	280	188	126	92	74	-1.5	0	-1.9	-8.6	-21.9	-45	-82.7	-141.8	-230.2	-1.5	1	0	-5.7	-18.1	-40.2	-76.9	-135.1	-222.5
1166	875	649	473	336	234	162	117	92	-1.5	0	-2.1	-8.9	-22.3	-45.7	-81.1	-136.3	-217.8	-1.5	1	0	-5.8	-18.2	-39.9	-74.9	-129.1	-209.5
1215	914	680	498	356	249	172	123	96	-1.5	0	-1.9	-8.4	-21.1	-42.6	-76.6	-128.7	-205.7	-1.5	1	0	-5.5	-17.3	-37.9	-70.9	-122	-198.1
1330	1076	865	689	542	421	324	247	190	-1.5	0	-2.3	-9.4	-22.4	-43	-73.4	-116.5	-176.3	-1.5	1.2	0	-5.9	-17.8	-37.2	-66.5	-108.4	-167
1173	867	628	444	307	212	154	123	104	-1.5	0	-3.4	-13.7	-33.6	-67.5	-121.5	-202.7	-318.3	-1.5	1.7	0	-8.5	-26.8	-58.9	-111.1	-190.7	-304.5
1173	906	691	518	381	277	203	155	127	-1.5	0	-3.2	-12.6	-30.3	-59.1	-103.4	-168.6	-261	-1.5	1.6	0	-7.8	-23.8	-51.1	-93.8	-157.4	-248.2
1174	947	758	599	469	362	277.6	214	169	-1.5	0	-3	-11.6	-27.4	-52.2	-88.9	-140.9	-212.9	-1.5	1.5	0	-7.1	-21.4	-44.7	-79.9	-130.4	-200.9
1198	948	741	572	434	326	245	189	153	-1.5	0	-3.2	-12.6	-30.2	-58.5	-101.1	-162.6	-248.5	-1.5	1.6	0	-7.9	-23.9	-50.6	-91.6	-151.5	-235.9
1197	917	691	512	372	269	199	157	132	-1.5	0	-3.8	-14.5	-34.6	-67.7	-118.7	-193.6	-298.8	-1.5	1.9	0	-8.8	-27.1	-58.4	-107.4	-180.5	-283.8
1074	796	578	411	289	208	160	134	115	-1.5	0	-4.8	-18.1	-43.7	-86.4	-152.8	-249.9	-383.9	-1.5	2.4	0	-11	-34.1	-74.5	-138.6	-233.3	-364.9
1116	890	701	545	420	321	248	198	167	-1.5	0	-4.5	-16.7	-38.6	-73.3	124.7	197.4	-297	-1.5	2.3	0	-9.9	-29.6	-62	-111.1	-181.7	-279
1111	903	726	578	456	359	285	231	195	-1.5	0	-5.1	-18.4	-42.1	-78.8	-132.2	-206.4	-306.3	-1.5	2.6	0	-10.8	-31.9	-66.1	-116.8	-188.5	-285
890	678	509	375	273	200	154	126	108	-1.5	0	-4.8	-18	-42.7	-83	-144.6	-233.8	-356.5	-1.5	2.4	0	-10.8	-33.1	-71	-130.2	-217	-337
890	687	522	391	289	214	164	134	114	-1.5	0	-4.7	-17.6	-41.5	-80.2	-138.7	-223.1	-339.3	-1.5	2.4	0	10.6	-32	-68.3	-124.6	-206.6	-320.5
901	694	527	394	292	218	170	140	121	-1.5	0	-5.2	-19.3	-45.2	-87.1	-150.3	-240.7	-364.2	-1.5	2.6	0	-11.5	-34.8	-74	-134.6	-222.5	-343.3
910	672	488	349	250	186	149	126	110	-1.5	0	-5.8	-21.7	-51.6	-101.1	-176.8	-285	-432	-1.5	2.9	0	-13	-40	-86.6	-159.3	-264.7	-408.8
1047	849	681	542	427	337	269	220	188	-1.5	0	-5.5	-19.8	-45.2	-84.5	-141.5	-220.6	-326.7	-1.5	2.8	0	-11.5	-34	-70.6	-124.9	-201.3	-304.6
1370	1074	833	638	480	356	261	194	150	-1.5	0	-2.5	-10.1	-24.4	-47.6	-82.8	-134.4	-208	-1.5	1.2	0	-6.4	-19.4	-41.4	-75.4	-125.8	-198.1
1488	1220	993	800	637	503	395	310	248	-1.5	0	-3.4	-12.8	-29.7	-55.9	-94	-147.2	-219.7	-1.5	1.7	0	-7.7	-22.9	-47.4	-83.8	-135.4	-206.1
1370	1006	734	527	370	252	169	115	85	-1.5	0	-1.2	-6.1	-16.2	-33.7	-62	-106.5	-174.5	-1.5	0.6	0	-4.3	-13.8	-30.7	-58.4	-102.3	-169.7
1282	964	718	527	378	264	183	129	99	-1.5	0	-1.7	-7.8	-19.8	-40	-72	-121	-193.9	-1.5	0.9	0	-5.2	-16.3	-35.7	-66.8	-115	-187
1645	1265	966	729	540	392	280	199	147	-1.5	0	-1.6	-7.2	-18.1	-36.2	-64.3	-106.2	-167.6	-1.5	0.8	0	-4.8	-14.9	-32.3	-59.6	-100.8	-161.4
1538	1135	826	588	407	276	190	141	114	-1.5	0	-2.3	-9.7	-24.5	-49.8	-90.6	-153.9	-247	-1.5	1.1	0	-6.3	-20	-44.1	-83.8	-145.9	-238
1538	1200	928	709	532	392	285	209	158	-1.5	0	-2.1	-8.7	-21.4	-42.1	-73.8	-120.3	-187.3	-1.5	1	0	-5.6	-17.3	-37	-67.6	-113.2	-179.1
1538	1214	950	736	561	421	311	230	174	-1.5	0	-2	-8.5	-20.8	-40.8	-70.8	-114.7	-177	-1.5	1	0	-5.5	-16.8	-35.7	-64.8	-107.6	-168.9
1585	1198	894	655	469	329	232	170	137	-1.5	0	-2.4	-10	-24.8	-49.5	-88.4	-147.4	-233.4	-1.5	1.2	0	-6.4	-20	-43.5	-81.2	-139	-223.8
1667	1269	954	705	511	363	257	189	151	-1.5	0	-2.4	-10	-25	-49	-87	-145	-228	-1.5	1.2	0	-6.4	-20	-43	-80	-136.4	-218.7
1688	1298	992	750	557	405	289	206	151	-1.5	0	-1.5	-6.9	-17.5	-35.1	-62.2	-102.9	-162.3	-1.5	0.7	0	-4.7	-14.5	-31.3	-57.8	-97.7	-156.4
1678	1271	951	700	503	355	249	180	142	-1.5	0	-2.2	-9.2	-23	-46	-82.3	-137.2	-217.7	-1.5	1.1	0	-6	-18.7	-40.6	-75.8	-129.6	-209
1763	1271	904	628	423	278	185	135	110	-1.5	0	-1.9	-8.5	-22	-45.6	-84.7	-146.8	-240	-1.5	0.9	0	-5.7	-18.2	-40.9	-79.1	-142.2	-232.5
1763	1375	1066	817	617	457	333	241	179	-1.5	0	-1.6	-7.2	-18.1	-35.8	-62.9	-102.9	-160.5	-1.5	0.8	0	-4.8	-14.8	-31.8	-58.1	-97.3	-154.1
1962	1598	1292	1035	819	641	498	383	299	-1.5	0	-2.6	-10.3	-24.4	-46.5	-79	-124.7	-187.5	-1.5	1.3	0	-6.4	-19.2	-40	-71.1	-115.5	-177
1798	1501	1245	1025	837	677	544	436	350	-1.5	0	-3.1	-11.9	-27.4	-51.3	-85.5	-132.5	-195.5	-1.5	1.6	0	-7.2	-21.1	-43.4	-76	-121.5	-183
1920	1614	1349	1120	923	754	611	492	397	-1.5	0	-2.8	-10.8	-25	-46.7	-77.7	-120.1	-176.6	-1.5	1.4	0	-6.6	-19.4	-39.7	-69.3	-110.3	-165.4
2046																										

AMMUNITION APPENDIX

BTA Defense Ballistic Tip Ammunition
ETA Tip Ammunition
MGA Match Grade Ammunition
NCA Nosler Custom Handloaded Ammunition
NVSK Noveske Ammunition
SAFARI Safari Dangerous Game Ammunition

SSA SSA Ammunition
TGA Trophy Grade Ammunition
TGA-LR Trophy Grade (LONG RANGE) Ammunition
VGA Varmageddon Ammunition

FBHP Flat Base Hollow Point
HPBT Hollow Point Boat Tail
SP Spitzer
T-BND Tipped Bonded
JHP Jacketed Hollow Point
B-JHP Bonded Jacketed Hollow Point
PT Partition
BTLF Ballistic Tip Lead Free
ET E-Tip
BSB Bonded Solid Base

SD Solid Ballistic Tip
BT AccuBond
AB Custom Competition
CC AccuBond Long Range
ABLR Ballistic Glow Tip
BT Glow Ballistic Tip Round Nose

LF Lead-Free
MZL Muzzle

RIFLE									VELOCITY (FPS)								
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	Count	BBL TWIST RQ/MT	FOR USE	LEAD FREE	MZL	100	200	300	400	500	600	700	800
257 WBY Mag	NCA	100	BT	12008	20	1-10"	Deer Sized Game		3,500	3178	2880	2601	2338	2091	1859	1646	1455
	NCA	100	ET	12035	20	"	Deer Sized Game	XX	3,450	3193	2951	2722	2504	2296	2099	1912	1736
	TGA	110	AB	60012	20	"	Deer Sized Game		3,400	3151	2916	2693	2480	2278	2085	1901	1729
	NCA	115	BT	12030	20	"	Deer Sized Game		3,250	3027	2816	2614	2421	2237	2060	1892	1733
	NCA	115	PT	12043	20	"	Deer Sized Game		3,250	2992	2748	2518	2299	2091	1894	1710	1540
	NCA	120	PT	12057	20	"	Deer Sized Game		3,135	2885	2648	2424	2210	2008	1817	1639	1477
6.5x55 Swedish	TGA	140	AB	60022	20	1-9"	Deer Sized Game		2,650	2476	2309	2149	1995	1848	1708	1577	1456
260 Remington	NCA	100	BT	13006	20	1-9"	Deer Sized Game		3,200	2917	2652	2402	2165	1943	1735	1545	1377
	NCA	100	PT	13017	20	"	Deer Sized Game		3,200	2897	2614	2348	2098	1864	1649	1455	1290
	BTA	120	BT	40056	20	"	Deer/Hogs/Antelope		2,850	2649	2457	2273	2098	1930	1772	1622	1485
	NCA	120	ET	13061	20	"	Deer Sized Game	XX	2,750	2568	2394	2227	2067	1914	1769	1630	1503
	TGA	125	PT	60018	20	"	Deer Sized Game		2,950	2740	2540	2349	2165	1990	1825	1669	1524
	TGA	130	AB	60024	20	"	Deer Sized Game		2,700	2518	2342	2174	2014	1861	1715	1578	1453
	NCA	140	PT	13063	20	"	Deer Sized Game		2,725	2542	2366	2197	2035	1880	1734	1596	1469
6.5 Creedmoor	TGA-LR	129	ABLR	60091	20	1-8"	Deer Sized Game		2,850	2685	2527	2373	2226	2084	1947	1816	1691
	MGA	140	HPBT	43455	20	"	Targets		2,550	2386	2229	2077	1932	1773	1662	1539	1426
	BTA	140	BT	40064	20	"	Deer/Hogs/Antelope		2,650	2477	2310	2150	1997	1851	1711	1581	1460
264 Winchester Mag	NCA	100	BT	14013	20	1-9"	Deer Sized Game		3,400	3104	2828	2568	2322	2090	1872	1670	1487
	NCA	100	PT	14022	20	"	Deer Sized Game		3,400	3083	2788	2512	2259	2008	1781	1573	1389
	NCA	120	BT	14061	20	"	Deer Sized Game		3,250	3030	2820	2621	2429	2246	2071	1904	1746
	NCA	120	ET	14065	20	"	Deer Sized Game	XX	3,050	2856	2670	2492	2321	2157	2000	1850	1707
	NCA	125	PT	14072	20	"	Deer Sized Game		3,200	2978	2767	2566	2373	2189	2013	1846	1688
	TGA	130	AB	60019	20	"	Deer Sized Game		3,100	2900	2709	2526	2350	2128	2019	1864	1718
	NCA	140	PT	14083	20	"	Deer Sized Game		2,950	2757	2573	2396	2226	2063	1907	1759	1619
6.5 Remington Magnum	NCA	125	PT	14325	20	1-9"	Deer Sized Game		3,025	2811	2608	2414	2228	2050	1881	1721	1573
6.5-284 Norma	TGA	120	BT	60020	20	1-9"	Deer Sized Game		3,000	2792	2593	2403	2221	2047	1881	1725	1579
	NCA	120	ET	14546	20	"	Deer Sized Game	XX	2,900	2712	2533	2360	2194	2035	1884	1740	1604
	NCA	125	PT	14605	20	"	Deer Sized Game		3,000	2788	2585	2392	2207	2030	1862	1704	1559
	TGA-LR	129	ABLR	60128	20	"	Deer Sized Game		2,965	2795	2638	2476	2324	2178	2036	1901	1771
	TGA	130	AB	60021	20	"	Deer Sized Game		2,900	2709	2525	2350	2181	2019	1864	1718	1581
	TGA	140	AB	60040	20	"	Deer Sized Game		2,750	2573	2403	2239	2082	1932	1789	1653	1526
	MGA	140	HPBT	44166	20	"	Targets		2,750	2579	2414	2256	2103	1957	1817	1684	1560
	NCA	140	PT	14615	20	"	Deer Sized Game		2,700	2518	2343	2175	2014	1860	1715	1579	1453
26 Nosler	NCA	120	ET	14025	20	1-9"	Deer Sized Game	XX	3,450	3237	3035	2842	2657	2480	2309	2145	1989
	TGA-LR	129	ABLR	60110	20	"	Deer Sized Game		3,400	3213	3035	2863	2698	2539	2385	2237	2094
	NCA	130	AB	14030	20	"	Deer Sized Game		3,400	3186	2983	2788	2602	2424	2252	2088	1932
	MGA	140	CC	51288	20	"	Targets		3,300	3113	2927	2749	2579	2414	2256	2103	1957
	TGA	140	AB	60014	20	"	Deer Sized Game		3,300	3100	2908	2725	2549	2379	2216	2061	1911
	TGA	142	ABLR	60122	20	"	Deer Sized Game		3,300	3162	3032	2889	2759	2633	2511	2391	2275
6.8 Remington SPC	SSA*	85	ET	75015	20	1-10"	Personal Defense	XX	2,950	2610	2296	2004	1736	1497	1295	1141	1036
	DEFENSE*	90	BSB	39680	20	"	Personal Defense		2,840	2444	2083	1756	1469	1239	1080	978	905
	SSA*	90	BSB	75020	20	"	Personal Defense		2,840	2444	2083	1756	1469	1239	1080	978	905
	SSA*	110	SP	75025	20	"	Personal Defense		2,700	2420	2156	1910	1678	1467	1285	1144	1045
	SSA*	110	AB	75030	20	"	Deer Sized Game		2,700	2461	2234	2020	1820	1632	1463	1314	1192
	SSA*	115	CC	75035	20	"	Targets		2,600	2369	2150	1944	1751	1571	1411	1273	1160
270 Winchester	NCA	130	BT	15215	20	1-10"	Deer Sized Game		3,050	2828	2617	2416	2223	2040	1867	1702	1551
	TGA	130	AB	60025	20	"	Deer/Elk Sized Game		3,075	2852	2641	2439	2246	2062	1887	1722	1568
	ETA	130	ET	40031	20	"	Deer/Elk Sized Game	XX	2,950	2744	2548	2361	2181	2009	1846	1692	1548
	BTA	140	BT	40055	20	"	Deer/Hogs/Antelope		2,900	2712	2531	2358	2191	2032	1879	1734	1598
	NCA	140	AB	15400	20	"	Deer/Elk Sized Game		2,900	2712	2531	2358	2191	2032	1879	1734	1598
	TGA-LR	150	ABLR	60125	20	"	Deer/Elk Sized Game		2,850	2701	2558	2420	2285	2155	2030	1909	1793
270 WSM	TGA	130	ET	60078	20	1-10"	Deer/Elk Sized Game	XX	3,200	2984	2777	2580	2391	2210	2038	1874	1719
	TGA	140	AB	60030	20	"	Deer/Elk Sized Game		3,100	2903	2715	2534	2361	2194	2034	1882	1737
	TGA-LR	150	ABLR	60114	20	"	Deer/Elk Sized Game		2,960	2808	2661	2519	2381	2248	2118	1993	1873
	NCA	150	PT	15220	20	"	Deer/Elk Sized Game		3,000	2795	2599	2412	2232	2060	1896	1741	1596
270 WBY Magnum	NCA	130	PT	15020	20	1-10"	Deer/Elk Sized Game		3,450	3194	2958	2732	2517	2311	2116	1930	1755
	NCA	130	ET	15225	20	"	Deer/Elk Sized Game	XX	3,150	2936	2731	2536	2349	2171	2000	1838	1685
	TGA-LR	150	ABLR	60150	20	"	Deer/Elk Sized Game		3,080	2924	2773	2628	2487	2350	2218	2090	1968
	NCA	150	PT	15085	20	"	Deer/Elk Sized Game		3,150	2938	2736	2543	2358	2180	2010	1849	1697
280 Remington	TGA	140	AB	48545	20	1-9.5"	Deer/Elk Sized Game		3,000	2803	2615	2434	2261	2095	1936	1785	1642
	NCA	140	ET	14302	20	"	Deer/Elk Sized Game	XX	3,000	2803	2615	2434	2261	2095	1936	1785	1642
	NCA	160	PT	15805	20	"	Deer/Elk Sized Game		2,775	2584	2401	2225	2057	1897	1745	1602	1471

ENERGY (FT-LBS)									DROP IN INCHES (100 YRD ZERO)									DROP IN INCHES (200 YRD ZERO)								
MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800
2719	2243	1842	1502	1214	970	767	601	470	-1.5	0	-2	-8.1	-19.4	-37.1	-62.8	-98.6	-147.3	-1.5	1	0	-5.2	-15.5	-32.2	-57	-91.8	-139.5
2643	2264	1934	1645	1392	1170	978	812	669	-1.5	0	-1.9	-7.8	-18.5	-34.6	-57.4	-88.1	-128.4	-1.5	1	0	-5	-14.6	-29.8	-51.7	-81.4	-120.7
2823	2424	2076	1771	1502	1267	1061	883	730	-1.5	0	-2	-8.1	-19	-35.6	-58.9	-90.2	-123.1	-1.5	1	0	-5.1	-15	-30.6	-52.9	-83.2	-123.1
2696	2340	2025	1745	1497	1277	1083	914	767	-1.5	0	-2.3	-9	-20.8	-38.5	-63.2	-96.1	-138.7	-1.5	1.1	0	-5.5	-16.2	-32.7	-56.3	-88	-129.5
2696	2285	1929	1619	1349	1116	916	746	606	-1.5	0	-2.4	-9.4	-21.9	-41	-68.1	-104.9	-153.6	-1.5	1.2	0	-5.8	-17.1	-35	-60.9	-96.5	-144
2618	2217	1869	1565	1302	1074	880	716	581	-1.5	0	-2.7	-10.3	-23.9	-44.6	-74	-114	-166.9	-1.5	1.3	0	-6.3	-18.6	-37.9	-66	-104.6	-156.6
2182	1906	1658	1435	1237	1061	907	773	659	-1.5	0	-4.2	-14.9	-33.1	-60.1	-97.3	-146.4	-209.5	-1.5	2.1	0	-8.6	-24.8	-49.7	-84.8	-131.8	-192.8
2273	1889	1561	1281	1041	838	668	530	421	-1.5	0	-2.6	-10.1	-23.8	-44.8	-75.1	-117	-173.5	-1.5	1.3	0	-6.3	-18.6	-38.3	-67.3	-107.9	-163.1
2273	1863	1517	1224	977	771	603	470	369	-1.5	0	-2.7	-10.4	-24.5	-46.5	-78.6	-123.5	-184.9	-1.5	1.3	0	-6.4	-19.2	-39.9	-70.6	-114.2	-174.3
2164	1870	1609	1377	1172	993	836	701	588	-1.5	0	-3.5	-12.7	-28.7	-52.6	-85.8	-130.1	-187.7	-1.5	1.7	0	-7.5	-21.7	-43.9	-75.4	-118	-173.9
2015	1758	1528	1322	1139	976	833	708	602	-1.5	0	-3.8	-13.6	-30.5	-55.5	-90	-135.7	-194.5	-1.5	1.9	0	-7.9	-22.9	-46	-78.7	-122.5	-179
2415	2084	1790	1531	1301	1099	924	773	645	-1.5	0	-3.1	-11.7	-26.5	-48.8	-79.9	-121.4	-175.5	-1.5	1.6	0	-7	20.2	41	70.5	110.4	162.9
2104	1830	1583	1364	1170	999	849	719	609	-1.5	0	-4	-14.3	-32	-58.3	-94.7	-142.9	-205.1	-1.5	2	0	-8.3	-24	-48.4	-82.7	-128.9	-189
2308	2008	1740	1500	1287	1099	934	792	671	-1.5	0	-3.9	-14	-31.3	-57.1	-92.6	-139.8	-200.6	-1.5	1.9	0	-8.2	-23.5	-47.3	-81	-126.2	-185.1
2326	2065	1829	1613	1419	1243	1086	945	819	-1.5	0	-3.3	-12.1	-27.1	-49.0	-79.0	-118.2	-168.0	-1.5	1.7	0	-7.1	-20.4	-40.7	-69.1	-106.6	-154.6
2021	1770	1544	1341	1160	1000	859	736	632	-1.5	0	-4.6	-16.2	-35.9	-64.9	-104.8	-157.2	-224.3	-1.5	2.3	0	-9.3	-26.7	-53.4	-90.9	-141.1	-205.9
2183	1907	1659	1437	1240	1065	910	777	663	-1.5	0	-4.2	-14.9	-33.1	-60.1	-97.2	-146.2	-209.2	-1.5	2.1	0	-8.6	-24.8	-49.6	-84.7	-131.6	-192.5
2566	2139	1775	1464	1197	970	778	619	491	-1.5	0	-2.1	-8.6	-20.4	-38.6	-64.8	-101	-149.7	-1.5	1.1	0	-5.4	-16.1	-33.3	-58.5	-93.6	-141.2
2566	2100	1726	1401	1126	895	704	549	428	-1.5	0	-2.2	-8.8	-21	-40.1	-67.8	-106.5	-159.4	-1.5	1.1	0	-5.6	-16.7	-34.7	-61.3	-99	-150.7
2813	2445	2119	1830	1573	1344	1143	966	812	-1.5	0	-2.3	-9	-20.7	-38.3	-62.9	-95.5	-137.8	-1.5	1.1	0	-5.5	-16.1	-32.5	-55.9	-87.4	-128.4
2478	2173	1900	1655	1435	1239	1066	912	776	-1.5	0	-2.8	-10.4	-23.7	-43.4	-70.6	-106.5	-152.6	-1.5	1.4	0	-6.3	-18.1	-36.5	-62.3	-96.8	-141.5
2841	2461	2125	1827	1563	1330	1124	945	791	-1.5	0	-2.4	-9.4	-21.7	-40.1	-65.8	-100.1	-144.7	-1.5	1.2	0	-5.8	-16.8	-34	-58.5	-91.6	-135
2773	2427	2118	1841	1594	1373	1176	1003	852	-1.5	0	-2.6	-10	-22.9	-42	-68.5	-103.5	-148.5	-1.5	1.3	0	-6.1	-17.6	-35.4	-60.6	-94.2	-137.9
2704	2363	2058	1784	1540	1322	1130	961	815	-1.5	0	-3.1	-11.8	-25.8	-47.2	-76.9	-116	-166.5	-1.5	1.5	0	-6.8	-19.7	-39.5	-67.6	-105.3	-154.2
2539	2194	1888	1617	1377	1166	982	822	686	-1.5	0	-2.9	-10.9	-24.9	-45.9	-75.2	-114.4	-165.3	-1.5	1.5	0	-6.6	-19.1	-38.7	-66.5	-104.2	-153.7
2397	2077	1792	1539	1315	1117	943	793	664	-1.5	0	-3	-11.1	-25.3	-46.5	-76.1	-115.4	-166.5	-1.5	1.5	0	-6.7	-19.3	-39.1	-67.2	-105.1	-154.7
2241	1960	1709	1484	1283	1104	946	806	685	-1.5	0	-3.2	-11.9	-26.8	-48.9	-79.5	-119.9	-171.7	-1.5	1.6	0	-7	-20.3	-40.9	-69.8	-108.5	-158.8
2497	2157	1855	1588	1352	1144	962	805	672	-1.5	0	-3	-11.2	-25.4	-46.9	-76.7	-116.7	-168.6	-1.5	1.5	0	-6.7	-19.5	-39.4	-67.8	-106.2	-156.7
2517	2238	1985	1755	1547	1358	1188	1035	899	-1.5	0	-3	-10.9	-24.6	-44.7	-72.1	-107.9	-153.4	-1.5	1.5	0	-6.5	-18.7	-37.3	-63.2	-97.6	-141.6
2427	2118	1841	1593	1372	1176	1003	852	721	-1.5	0	-3.2	-11.9	-27	-49.3	-80.2	-121	-173.7	-1.5	1.6	0	-7.1	-20.5	-41.2	-70.4	-109.7	-160.8
2350	2058	1794	1558	1347	1160	995	849	724	-1.5	0	-3.8	-13.6	-30.3	-55	-89.2	-134	-192	-1.5	1.9	0	-7.9	-22.8	-45.7	-77.9	-121	-176.8
2350	2067	1812	1582	1375	1190	1026	882	756	-1.5	0	-3.7	-13.4	-30	-54.4	-87.9	-131.9	-188.2	-1.5	1.9	0	-7.8	-22.5	-45.1	-76.7	-118.9	-173.3
2265	1970	1706	1470	1260	1076	914	774	656	-1.5	0	-4	-14.3	-32	-58.3	-94.7	-142.8	-205	-1.5	2	0	-8.3	-24	-48.3	-82.7	-128.9	-189
3171	2792	2455	2152	1881	1638	1420	1226	1054	-1.5	0	-1.8	-7.4	-17.3	-32.2	-52.7	-79.7	-114.3	-1.5	0.9	0	-4.7	-13.7	-27.6	-47.2	-73.3	-107
3310	2957	2638	2348	2085	1846	1630	1433	1256	-1.5	0	-1.8	-7.5	-17.4	-32	-52	-78.3	-111.4	-1.5	0.9	0	-4.7	-13.6	-27.4	-46.5	-71.7	-103.9
3337	2930	2568	2244	1955	1696	1464	1259	1077	-1.5	0	-1.9	-7.8	-18	-33.5	-54.9	-83.2	-119.4	-1.5	1	0	-4.9	-14.2	-28.7	-49.1	-76.4	-111.7
3385	3011	2663	2349	2067	1811	1581	1375	1190	-1.5	0	-2.1	-8.2	-19	-35	-57	-85.8	-122.4	-1.5	1	0	-5.1	-14.8	-29.8	-50.7	-78.4	-114.1
3385	2987	2629	2308	2019	1760	1527	1320	1136	-1.5	0	-2.1	-8.4	-19.3	-35.6	-58	-87.5	-125.3	-1.5	1	0	-5.2	-15	-30.3	-51.6	-80	-116.8
3443	3151	2882	2635	2401	2186	1987	1803	1632	-1.5	0	-2	-7.8	-17.8	-32.3	-51.9	-77	-108.3	-1.5	1	0	-4.8	-13.8	-27.4	-46	-70.1	-100.3
1642	1286	995	758	569	423	317	246	203	-1.5	0	-3.6	-13.9	-32.9	-63.5	-109.7	-176.7	-270	-1.5	1.8	0	-8.5	-25.6	-54.4	-98.8	-164	-255.9
1611	1194	867	616	431	307	233	191	176	-1.5	0	-4.3	-16.8	-40.7	-80.8	-143.6	-236.2	-365	-1.5	2.2	0	-3.9	-32	-69.8	-130.5	-221	-347.6
1611	1194	867	616	431	307	233	191	176	-1.5	0	-4.3	-16.8	-40.7	-80.8	-143.6	-236.2	-365	-1.5	2.2	0	-3.9	-32	-69.8	-130.5	-221	-347.6
1780	1430	1136	890.5	687.7	525.6	403.3	319.6	266.8	-1.5	0	-4.5	-16.4	-38	-72	-122.2	-193.6	-291.4	-1.5	2.2	0	-9.7	-29	-60.8	-108.8	-177.9	-273.5
1780	1479	1219	997	808.5	650.4	522.8	421.9	346.7	-1.5	0	-4.3	-15.5	-35.3	-65.6	-109	-168.8	-248.7	-1.5	2.1	0	-9.1	-26.8	-55	-96.3	-159.5	-231.7
1726	1433	1181	965	782.5	630.6	508.4	413.5	343.4	-1.5	0	-4.7	-17	-38.5	-71.3	-118.3	-182.9	-268.9	-1.5	2.4	0	-10	-29	-59.6	-104.2	-166.3	-250
2685	2308	1977	1684	1426	1201	1006	837	694	-1.5	0	-2.9	-10.8	-24.7	-45.7	-75.0	-114.4	-165.7	-1.5	1.4	0	-6.5	-19.0	-38.5	-66.4	-104.4	-154.3
2729	2348	2013	1717	1456	1227	1027	856	710	-1.5	0	-2.8	-10.6	-24.2	-44.7	-73.4	-112.0	-162.2	-1.5	1.4	0	-6.4	-18.6	-37.8	-65.1	-102.2	-151.1
2511	2174	1875	1609	1373	1165	983	826	692	-1.5	0	-3.1	-11.6	-26.3	-48.4	-79.1	-120.0	-173.1	-1.5	1.6	0	-6.9	-20.1	-40.6	-69.7	-109.0	-160.6
2613	2286	1992	1728	1493	1283	1097	935	794	-1.5	0	-3.2	-11.9	-26.8	-49	-79.6	-120.1	-172.1	-1.5	1.6	0	-7	-20.4	-40.9	-69.9	-108.8	-159.2
2613	2286	1992	1728	1493	1283	1097	935	794	-1.5	0	-3.2	-11.9	-26.8	-49	-79.6	-120.1	-172.1	-1.5	1.6	0	-7	-20.4	-40.9	-69.9	-108.8	-159.2
2705	2431	2180	1950	1739	1547	1372	1214	1070	-1.5	0	-3.2	-11.8	-26.3	-47.5	-76.2	-113.3	-160	-1.5	1.6	0	-6.9	-19.8	-39.4	-66.4	-101.8	-146.9
2956	2569	2226	1921	1650	1410	1199	1014	853	-1.5	0	-2.4	-9.3	-21.5	-39.8	-65.1	-98.9	-142.6	-1.5	1.2	0	-5.7	-16.7	-33.7</			

AMMUNITION APPENDIX

BTA Defense
ETA Tip Ammunition
MGA Match Grade Ammunition
NCA NoslerCustom Handloaded Ammunition
NVSK Noveske Ammunition
SAFARI Safari Dangerous Game Ammunition

SSA SSA Ammunition
TGA Trophy Grade Ammunition
TGA-LR Trophy Grade (LONG RANGE) Ammunition
VGA Varmageddon Ammunition

FBHP Flat Base Hollow Point
HPBT Hollow Point Boat Tail
SP Spitzer
T-BND Tipped Bonded
JHP Jacketed Hollow Point
B-JHP Bonded Jacketed Hollow Point
PT Partition
BTLF Ballistic Tip Lead Free
ET E-Tip
BSB Bonded Solid Base

SD Solid
BT Ballistic Tip
AB AccuBond
CC Custom Competition
ABLR AccuBond Long Range
BT Glow Ballistic Glow Tip
BT RN Ballistic Tip Round Nose

LF Lead-Free
MZL Muzzle

RIFLE									VELOCITY (FPS)								
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	Count	BBL TWIST RQMT	FOR USE	LEAD FREE	MZL	100	200	300	400	500	600	700	800
7mm-08 Remington	BTA	120	BT	40060	20	1-9.5"	Deer/Hogs/Antelope		3,000	2772	2555	2349	2152	1965	1788	1623	1472
	BTA	140	BT	40059	20	"	Deer/Hogs/Antelope		2,825	2636	2454	2280	2113	1953	1801	1658	1525
	ETA	140	ET	40033	20	"	Deer/Elk Sized Game	XX	2,850	2662	2481	2307	2141	1983	1831	1687	1553
	TGA	140	AB	60042	20	"	Deer/Elk Sized Game		2,825	2636	2454	2280	2113	1953	1801	1658	1525
7x57 Mauser	TGA	140	AB	47118	20	1-9.5"	Deer/Elk Sized Game		2,700	2516	2339	2170	2007	1852	1706	1569	1443
280 Ackley Improved	TGA	140	AB	60043	20	1-9.5"	Deer/Elk Sized Game		3,150	2946	2752	2566	2387	2216	2052	1895	1746
	NCA	140	AB	15732	20	"	Deer/Elk Sized Game		3,150	2946	2752	2566	2387	2216	2052	1895	1746
	NCA	140	BT	15245	20	"	Deer Sized Game		3,150	2946	2752	2566	2387	2216	2052	1895	1746
	NCA	150	ET	15750	20	"	Deer/Elk Sized Game	XX	2,900	2712	2533	2360	2194	2035	1883	1738	1602
	TGA-LR	150	ABLR	60116	20	"	Deer/Elk Sized Game		2,930	2775	2626	2482	2342	2207	2076	1950	1829
	TGA	160	PT	60044	20	"	Deer/Elk Sized Game		2,950	2751	2561	2379	2205	2037	1878	1727	1586
7mm SAUM	NCA	140	AB	16019	20	1-9.5"	Deer/Elk Sized Game		3,150	2946	2752	2566	2387	2216	2052	1895	1746
	NCA	150	PT	16030	20	"	Deer/Elk Sized Game		3,000	2791	2592	2401	2218	2043	1877	1720	1574
	TGA	160	AB	60045	20	"	Deer/Elk Sized Game		2,850	2676	2508	2347	2192	2042	1899	1762	1633
	NCA	160	PT	16058	20	"	Deer/Elk Sized Game		2,850	2656	2470	2291	2120	1957	1802	1655	1520
7mm Remington Magnum	TGA	140	AB	60033	20	1-9.5"	Deer/Elk Sized Game		3,200	2994	2798	2610	2429	2256	2090	1931	1781
	NCA	150	PT	18420	20	"	Deer/Elk Sized Game		3,100	2886	2683	2488	2302	2123	1953	1792	1640
	ETA	150	ET	40032	20	"	Deer/Elk Sized Game	XX	3000	2808	2625	2449	2280	2118	1963	1815	1675
	TGA	160	AB	47284	20	"	Deer/Elk Sized Game		2,925	2748	2578	2414	2256	2104	1958	1819	1687
	TGA-LR	168	ABLR	60108	20	"	Deer/Elk Sized Game		2,880	2736	2598	2463	2333	2206	2084	1965	1851
	NCA	175	PT	18410	20	"	Deer/Elk Sized Game		2,800	2624	2454	2292	2135	1984	1840	1704	1576
7mm STW	NCA	140	AB	17036	20	"	Deer/Elk Sized Game		3,300	3086	2889	2697	2513	2337	2167	2005	1850
	TGA	140	PT	60046	20	"	Deer/Elk Sized Game		3,300	3065	2843	2631	2429	2236	2052	1877	1713
	NCA	150	PT	17050	20	"	Deer/Elk Sized Game		3,175	2957	2751	2553	2364	2183	2010	1845	1690
	TGA	160	AB	60047	20	"	Deer/Elk Sized Game		3,075	2892	2716	2547	2385	2228	2077	1932	1794
	NCA	160	PT	17071	20	"	Deer/Elk Sized Game		3,075	2871	2676	2489	2310	2138	1974	1818	1670
	TGA-LR	175	ABLR	60104	20	"	Deer/Elk Sized Game		2,900	2760	2625	2493	2366	2242	2122	2006	1893
7mm WBY Magnum	NCA	140	AB	18022	20	1-10"	Deer/Elk Sized Game		3,340	3127	2925	2732	2546	2369	2198	2034	1878
	NCA	150	PT	18046	20	"	Deer/Elk Sized Game		3,175	2957	2751	2553	2364	2183	2010	1845	1690
	NCA	160	AB	18063	20	"	Deer/Elk Sized Game		3,050	2868	2693	2525	2363	2207	2057	1913	1776
7mm RUM	TGA	160	AB	60048	20	1-9.5"	Deer/Elk Sized Game		3,225	3035	2854	2680	2512	2351	2195	2046	1902
	NCA	160	PT	18705	20	"	Deer/Elk Sized Game		3,225	3013	2812	2620	2435	2259	2089	1927	1773
	TGA-LR	175	ABLR	60120	20	"	Deer/Elk Sized Game		3,040	2896	2756	2621	2490	2362	2239	2119	2002
28 Nosler	ETA	150	ETA	40039	20	1-9"	Deer/Elk Sized Game	XX	3,250	3054	2859	2674	2496	2324	2160	2002	1851
	TGA	160	AB	60035	20	"	Deer/Elk Sized Game		3,300	3114	2930	2753	2583	2420	2262	2110	1964
	MGA	168	CC	51287	20	"	Targets		3,075	2894	2715	2542	2376	2217	2063	1916	1776
	TGA	175	ABLR	60155	20	"	Deer/Elk Sized Game		3,125	2983	2841	2704	2570	2441	2315	2193	2075
300 AAC Blackout	VMG*	110	FB Tipped	40127	20	1-8"	Varmints-Targets		2,150	1886	1646	1432	1254	1120	1028	961	907
	NVSK*	110	FB Tipped	52228	20	"	Varmints-Targets		2,150	1886	1646	1432	1254	1120	1028	961	907
	MGA*	125	BT	43924	20	"	Varmints-Targets- Deer		2,250	2031	1826	1636	1464	1314	1189	1095	1025
	NVSK*	220	BT Glow	52235	20	"	Deer/Hogs		1,020	989	962	937	915	894	875	857	840
	SSA*	220	BT RN	75055	20	"	Deer/Hogs		1,020	989	962	937	915	894	875	857	840
	MGA*	220	CC	51275	20	"	Targets		1,020	989	962	937	915	894	875	857	840
30/30 Winchester	BTA	150	BT RN	40065	20	1-12"	Deer/Hogs/Antelope		2,100	1778	1494	1261	1097	992	917	858	807
7.62x39mm	SSA	123	FB Tipped	75070	20	1-9.45"	Varmints-Targets		2,350	2091	1841	1612	1410	1241	1112	1023	957
7.62x51mm NATO	NVSK*	110	FB Tipped	52214	20	1-10"	Deer Sized Game		2,950	2633	2337	2062	1807	1575	1372	1208	1088
	NVSK*	168	BT Glow	52221	20	"	Deer Sized Game		2,500	2326	2159	2000	1848	1703	1568	1444	1332
308 Winchester	VMG	110	FB Tipped	40272	20	1-10"	Varmints-Targets		3,150	2818	2510	2222	1953	1706	1485	1297	1151
	BTA	125	BT	40061	20	"	Deer/Hogs/Antelope		3,100	2836	2587	2351	2128	1918	1722	1541	1381
	TGA	150	AB	60056	20	"	Deer/Elk Sized Game		2,875	2662	2459	2265	2080	1904	1738	1584	1442
	ETA	150	ET	40034	20	"	Deer/Elk Sized Game	XX	2,750	2558	2374	2198	2030	1870	1718	1576	1446
	MGA	155	HPBT	60052	20	"	Targets		2,850	2645	2450	2262	2083	1913	1752	1601	1463
	BTA	165	BT	40063	20	"	Deer/Hogs/Antelope		2,800	2608	2424	2247	2078	1917	1764	1620	1487
	TGA	165	AB	60049	20	"	Deer/Elk Sized Game		2,800	2608	2424	2247	2078	1917	1764	1620	1487
	TGA	165	PT	60053	20	"	Deer/Elk Sized Game		2,800	2578	2367	2166	1975	1795	1627	1473	1336
	TGA-LR	168	ABLR	60101	20	"	Deer/Elk Sized Game		2,750	2604	2457	2315	2178	2045	1918	1795	1678
	SSA	168	HPBT	75040	20	"	Targets		2,750	2555	2368	2189	2018	1855	1701	1558	1427
	MGA	168	HPBT	60054	20	"	Targets		2,750	2555	2368	2189	2018	1855	1701	1558	1427
	ETA	168	ET	40035	20	"	Deer/Elk Sized Game	XX	2,750	2570	2398	2232	2073	1920	1775	1638	1511
	TGA	168	ET	60051	20	"	Deer/Elk Sized Game	XX	2,750	2570	2398	2232	2073	1920	1775	1638	1511
	DEFENSE	168	BSB	39685	20	"	Personal Defense		2,750	2526	2312	2110	1919	1738	1571	1420	1288
	SSA	175	HPBT	75045	20	"	Targets		2,500	2330	2168	2012	1863	1721	1589	1466	1354
	MGA	175	HPBT	60072	20	"	Targets		2,500	2330	2168	2012	1863	1721	1589	1466	1354

ENERGY (FT-LBS)									DROP IN INCHES (100 YRD ZERO)									DROP IN INCHES (200 YRD ZERO)								
MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800
2397	2047	1740	1470	1234	1028	852	702	577	-1.5	0	-3	-11.4	-26.1	-48.3	-79.5	-121.7	-177	-1.5	1.5	0	-6.9	-20	-40.7	-70.4	-111	-164.9
2480	2159	1872	1616	1388	1186	1008	854	722	-1.5	0	-3.5	-12.8	-28.8	-52.6	-85.5	-129.1	-185.4	-1.5	1.8	0	-7.5	-21.8	-43.8	-75	-116.8	-171.4
2525	2202	1914	1655	1425	1222	1042	885	750	-1.5	0	-3.4	-12.5	-28.8	-51.3	-83.4	-125.8	-180.5	-1.5	1.7	0	-7.4	-21.3	-42.8	-73.1	-113.9	-167
2480	2159	1872	1616	1388	1186	1008	854	722	-1.5	0	-3.5	-12.8	-28.8	-52.6	-85.5	-129.1	-185.4	-1.5	1.8	0	-7.5	-21.8	-43.8	-75	-116.8	-171.4
2265	1967	1701	1463	1252	1067	905	765	647	-1.5	0	-4	-14.4	-32.1	-58.5	-95.1	-143.6	-206.2	-1.5	2	0	-8.4	-24.1	-48.5	-83.1	-129.6	-190.2
3084	2698	2354	2047	1772	1527	1308	1116	947	-1.5	0	-2.5	-9.6	-22	-40.5	-66.1	-99.9	-143.5	-1.5	1.3	0	-5.8	-17	-34.2	-58.6	-91.2	-133.5
3084	2698	2354	2047	1772	1527	1308	1116	947	-1.5	0	-2.5	-9.6	-22	-40.5	-66.1	-99.9	-143.5	-1.5	1.3	0	-5.8	-17	-34.2	-58.6	-91.2	-133.5
3084	2698	2354	2047	1772	1527	1308	1116	947	-1.5	0	-2.5	-9.6	-22	-40.5	-66.1	-99.9	-143.5	-1.5	1.3	0	-5.8	-17	-34.2	-58.6	-91.2	-133.5
2800	2450	2136	1855	1603	1379	1180	1006	855	-1.5	0	-3.2	-11.9	-26.8	-48.9	-79.5	-119.9	-171.8	-1.5	1.6	0	-7	-20.3	-40.9	-69.8	-108.5	-158.8
2858	2565	2297	2052	1827	1622	1436	1267	1114	-1.5	0	-3	-11.1	-24.8	-44.8	-72	-107.3	-151.7	-1.5	1.5	0	-6.6	-18.7	-37.3	-63	-96.7	-139.6
3091	2686	2331	2011	1727	1475	1253	1060	893	-1.5	0	-3.1	-11.5	-26.1	-47.8	-77.9	-119.7	-169.5	-1.5	1.5	0	-6.9	-19.9	-40	-68.6	-107	-157.1
3084	2698	2354	2047	1772	1527	1308	1116	947	-1.5	0	-2.5	-9.6	-22	-40.5	-66.1	-99.9	-143.5	-1.5	1.3	0	-5.8	-17	-34.2	-58.6	-91.2	-133.5
2997	2594	2237	1920	1639	1391	1174	986	825	-1.5	0	-3	-11.1	-25.3	-46.6	-76.2	-115.7	-167	-1.5	1.5	0	-6.7	-19.4	-39.2	-67.3	-105.3	-155.1
2885	2543	2235	1957	1706	1482	1281	1103	948	-1.5	0	-3.4	-12.3	-27.5	-49.9	-80.7	-121.2	-172.8	-1.5	1.7	0	-7.2	-20.7	-41.5	-70.6	-109.4	-159.4
2885	2505	2167	1865	1597	1360	1153	973	820	-1.5	0	-3.4	-12.6	-28.4	-51.9	-84.5	-127.8	-183.9	-1.5	1.7	0	-7.4	-21.5	-43.3	-74.2	-115.8	-170.1
3182	2786	2433	2117	1835	1583	1358	1160	986	-1.5	0	-2.4	-9.2	-21.1	-39	-63.7	-93.3	-138.3	-1.5	1.2	0	-5.6	-16.4	-33	-56.5	-88	-128.8
3200	2774	2397	2062	1764	1501	1270	1069	896	-1.5	0	-2.7	-10.2	-23.3	-43.1	-70.5	-107.1	-154.5	-1.5	1.3	0	-6.2	-18	-36.4	-62.5	-97.5	-143.8
2997	2627	2295	1998	1731	1494	1283	1097	934	-1.5	0	-2.9	-10.9	-24.6	-45.1	-73.3	-110.6	-158.5	-1.5	1.5	0	-6.5	-18.8	-37.8	-64.6	-100.4	-146.8
3039	2682	2361	2070	1808	1573	1362	1175	1010	-1.5	0	-3.1	-11.5	-25.8	-46.9	-75.9	-114	-162.7	-1.5	1.6	0	-6.8	-19.6	-39.2	-66.6	-103.2	-150.2
3093	2793	2518	2264	2030	1816	1620	1441	1278	-1.5	0	-3.1	-11.4	-25.5	-45.9	-73.4	-109	-153.6	-1.5	1.6	0	-6.7	-19.2	-38	-64	-98	-141
3045	2665	2341	2040	1771	1530	1316	1128	965	-1.5	0	-3.6	-12.9	-28.8	-52.4	-84.9	-127.6	-182.3	-1.5	1.8	0	-7.6	-21.7	-43.6	-74.2	-115.2	-168.1
3384	2966	2594	2261	1963	1697	1460	1250	1064	-1.5	0	-2.1	-8.5	-19.6	-36.2	-59.2	-89.6	-128.6	-1.5	1.1	0	-5.2	-15.3	-30.8	-52.7	-82.1	-120.1
3384	2920	2512	2152	1834	1555	1309	1095	912	-1.5	0	-2.2	-8.7	-20.3	-37.7	-62.1	-94.8	-137.4	-1.5	1.1	0	-5.4	-15.9	-32.2	-55.5	-87.1	-128.6
3357	2913	2520	2171	1861	1587	1345	1134	952	-1.5	0	-2.5	-9.6	-22	-40.6	-66.6	-101.2	-146	-1.5	1.2	0	-5.8	-17	-34.4	-59.2	-92.5	-136.1
3358	2971	2621	2305	2020	1763	1532	1326	1143	-1.5	0	-2.7	-10	-22.8	-41.6	-67.5	-101.5	-144.7	-1.5	1.3	0	-6	-17.5	-35	-59.5	-92.1	-134.1
3358	2927	2543	2201	1896	1624	1384	1174	991	-1.5	0	-2.7	-10.3	-23.5	-43.2	-70.6	-106.9	-153.7	-1.5	1.4	0	-6.2	-18.1	-36.4	-62.4	-97.3	-142.8
3267	2960	2677	2416	2175	1954	1750	1563	1393	-1.5	0	-3.1	-11.2	-24.9	-44.8	-71.6	-106.2	-149.4	-1.5	1.5	0	-6.6	-18.8	-37.1	-62.4	-95.5	-137.1
3467	3040	2659	2320	2016	1744	1502	1286	1097	-1.5	0	-2.1	-8.2	-19	-35.1	-57.5	-87.1	-125	-1.5	1	0	-5.1	-14.9	-30	-51.3	-79.9	-116.8
3357	2913	2520	2171	1861	1587	1345	1134	952	-1.5	0	-2.5	-9.6	-22	-40.6	-66.6	-101.2	-146	-1.5	1.2	0	-5.8	-17	-34.4	-59.2	-92.5	-136.1
3304	2922	2577	2265	1984	1731	1503	1300	1121	-1.5	0	-2.7	-10.3	-23.2	-42.5	-68.8	-103.4	-147.5	-1.5	1.4	0	-6.2	-17.8	-35.6	-60.6	-93.8	-136.6
3694	3273	2894	2551	2242	1964	1712	1487	1286	-1.5	0	-2.3	-8.8	-20.2	-37.1	-60.3	-90.7	-129.5	-1.5	1.1	0	-5.4	-15.7	-31.4	-53.5	-82.8	-120.4
3694	3226	2810	2439	2107	1812	1550	1319	1117	-1.5	0	-2.3	-9.1	-20.9	-38.5	-63	-95.5	-137.4	-1.5	1.2	0	-5.6	-16.2	-32.7	-56	-87.4	-128
3590	3258	2952	2669	2409	2169	1948	1744	1558	-1.5	0	-2.6	-9.9	-22.2	-40.1	-64.2	-95.2	-134.1	-1.5	1.3	0	-5.9	-16.9	-33.4	-56.2	-86	-123.5
3530	3105	2723	2381	2074	1799	1553	1334	1141	-1.5	0	-2.2	-8.7	-20.1	-37	-60.4	-91.3	-130.9	-1.5	1.1	0	-5.4	-15.6	-31.5	-53.7	-83.5	-121.9
3883	3444	3049	2693	2371	2080	1818	1582	1371	-1.5	0	-2.1	-8.3	-19	-35	-57	-85.9	-122.6	-1.5	1.1	0	-5.1	-14.9	-29.8	-50.8	-78.6	-114.2
3541	3124	2749	2411	2106	1833	1587	1369	1176	-1.5	0	-2.7	-10	-22.8	-41.7	-67.7	-101.9	-145.6	-1.5	1.3	0	-6.1	-17.5	-35.1	-59.8	-92.6	-135
3806	3457	3136	2840	2567	2315	2083	1869	1673	-1.5	0	-2.4	-9.2	-20.7	-37.5	-60.2	-89.3	-125.8	-1.5	1.2	0	-5.5	-15.8	-31.4	-52.9	-80.9	-116.1
1128	869	661	501	384	306	258	225	201	-1.5	0	-8.3	-29.6	-67.8	-128.2	-216.2	-337.1	-495.6	-1.5	4.2	0	-17.1	-51.2	-107.4	-191.2	-307.9	-462.3
1128	869	661	501	384	306	258	225	201	-1.5	0	-8.3	-29.6	-67.8	-128.2	-216.2	-337.1	-495.6	-1.5	4.2	0	-17.1	-51.2	-107.4	-191.2	-307.9	-462.3
1404	1145	926	743	595	479	392	332	291	-1.5	0	-7	-24.4	-54.8	-101.5	-168.4	-259.8	-380.2	-1.5	3.5	0	-13.9	-40.9	-84.1	-147.5	-235.4	-352.4
508	478	452	429	408	390	374	359	344	-1.5	0	-34	-106	-217	-370	-566	-808	-1098	-1.5	17	0	-54.6	-149	-285	-464	-689	-961
508	478	452	429	408	390	374	359	344	-1.5	0	-34	-106	-217	-370	-566	-808	-1098	-1.5	17	0	-54.6	-149	-285	-464	-689	-961
508	478	452	429	408	390	374	359	344	-1.5	0	-34	-106	-217	-370	-566	-808	-1098	-1.5	17	0	-54.6	-149	-285	-464	-689	-961
1469	1053	743	530	401	328	280	245	217	-1.5	0	-9.6	-35	-82.2	-158.3	-269.7	-422.5	-622.6	-1.5	4.8	0	-20.5	-63	-134.2	-240.8	-388.8	-584.2
1520	1194	925	710	543	420	338	286	250	-1.5	0	-6.5	-23.3	-53.6	-101.4	-171.9	-270.4	-402.1	-1.5	3.2	0	-13.6	-40.6	-85.2	-152.4	-247.6	-376.1
2125	1693	1334	1038	798	606	460	357	289	-1.5	0	-3.5	-13.5	-31.6	-60.1	-103.5	-165	-250.4	-1.5	1.8	0	-8.2	-24.6	-51.7	-92.9	-152.6	-236.2
2331	2018	1739	1492	1274	1082	917	778	661	-1.5	0	-4.9	-17.3	-38.5	-69.8	-113	-170.6	-244.8	-1.5	2.5	0	-9.9	-28.6	-57.4	-98.3	-153.3	-225
2423	2139	1538	1206	932	711	539	411	323	-1.5	0	-2.9	-11.3	-26.9	-51.6	-88.3	-140.8	-214	-1.5	1.4	0	-7	-21.1	-44.3	-79.6	-130.7	-202.5
2667	2232	1857	1534	1257	1021	823	659	529	-1.5	0	-2.8	-10.9	-25.2	-47.3	-78.9	-122.2	-180.2	-1.5	1.4	0	-6.6	-19.6	-40.2	-70.3	-112.2	-168.8
2752	2360	2014	1709	1441	1207	1006	835	693	-1.5	0	-3.4	-12.6	-28.5	-52.6	-86.2	-131.3	-190.4	-1.5	1.7	0	-7.5	-21.7	-44	-75.9	-119.4	-176.7
2519	2180	1877	1609	1372	1165	983	827	696	-1.5	0	-3.8	-13.8	-31	-56.7	-92.3	-139.7	-201.2	-1.5	1.9	0	-8.1	-23.4	-47.1	-80.8	-126.4	-185.9
2795	2408	2065	1762	1494	1259	1056	882	736	-1.5	0	-3.5	-12.8	-28.8	-52.9	-86.6	-131.6	-190.1	-1.5	1.7	0	-7.5	-21				

AMMUNITION APPENDIX

BTA Defense Tip Ammunition
ETA E-Tip Ammunition
MGA Match Grade Ammunition
NCA Nosler Custom Handloaded Ammunition
NVSK Noveske Ammunition
SAFARI Safari Dangerous Game Ammunition

SSA SSA Ammunition
TGA Trophy Grade Ammunition
TGA-LR Trophy Grade (LONG RANGE) Ammunition
VGA Varmageddon Ammunition

FBHP Flat Base Hollow Point
HPBT Hollow Point Boat Tail
SP Spitzer
T-BND Tipped Bonded
JHP Jacketed Hollow Point
B-JHP Bonded Jacketed Hollow Point
PT Partition
BTFLF Ballistic Tip Lead Free
ET E-Tip
BSB Bonded Solid Base

SD Solid
BT Ballistic Tip
AB AccuBond
CC Custom Competition
ABLR AccuBond Long Range
BT Glow Ballistic Glow Tip
BT RN Ballistic Tip Round Nose

LF Lead-Free
MZL Muzzle

RIFLE									VELOCITY (FPS)								
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	Count	BBL TWQMT	FOR USE	LEAD FREE	MZL	100	200	300	400	500	600	700	800
30-06 Springfield	BTA	125	BT	40068	20	1-12"	Deer/Hogs/Antelope		3,100	2836	2587	2351	2128	1918	1722	1541	1381
	TGA	150	PT	60055	20	"	Deer/Elk Sized Game		3,000	2755	2523	2302	2093	1895	1710	1539	1387
	SSA	155	CC	75050	20	"	Targets		2,850	2645	2450	2262	2083	1913	1752	1601	1463
	TGA	165	AB	60057	20	"	Deer/Elk Sized Game		2,800	2608	2424	2247	2078	1917	1764	1620	1487
	TGA-LR	168	ABLR	60102	20	"	Deer/Elk Sized Game		2,800	2652	2504	2360	2222	2088	1958	1834	1715
	ETA	168	ET	40036	20	"	Deer/Elk Sized Game	XX	2,800	2618	2444	2276	2115	1961	1814	1675	1545
	TGA	168	ET	60084	20	"	Deer/Elk Sized Game	XX	2,800	2618	2444	2276	2115	1961	1814	1675	1545
	BTA	180	BT	40072	20	"	Deer/Hogs/Antelope		2,750	2572	2400	2236	2078	1926	1782	1646	1519
	ETA	180	ET	40037	20	"	Deer/Elk/Moose Sized Game	XX	2,750	2578	2412	2252	2098	1952	1811	1677	1552
	TGA	180	AB	46134	20	"	Deer/Elk/Moose Sized Game		2,750	2572	2400	2236	2078	1926	1782	1646	1519
	NCA	180	PT	23425	20	"	Deer/Elk/Moose Sized Game		2,750	2559	2377	2202	2035	1875	1724	1583	1453
	NCA	200	AB	23405	20	"	Deer/Elk/Moose Sized Game		2,550	2402	2260	2122	1989	1862	1740	1625	1516
300 SAUM	NCA	150	BT	19020	20	1-10"	Deer Sized Game		3,200	2971	2754	2547	2349	2160	1980	1809	1650
	NCA	150	AB	19045	20	"	Deer/Elk Sized Game		3,200	2971	2754	2547	2349	2160	1980	1809	1650
	NCA	150	PT	19015	20	"	Deer/Elk Sized Game		3,200	2943	2701	2472	2254	2047	1852	1670	1503
	NCA	165	BT	19030	20	"	Deer Sized Game		3,000	2799	2607	2423	2247	2078	1916	1763	1619
	TGA	165	PT	60061	20	"	Deer/Elk Sized Game		3,000	2768	2548	2338	2139	1949	1770	1604	1453
	NCA	180	AB	19005	20	"	Deer/Elk/Moose Sized Game		2,900	2716	2539	2369	2206	2049	1898	1756	1621
	TGA	180	PT	60062	20	"	Deer/Elk/Moose Sized Game		2,900	2703	2515	2334	2161	1995	1838	1689	1550
	NCA	180	ET	19012	20	"	Deer/Elk/Moose Sized Game	XX	2,900	2721	2549	2384	2225	2072	1925	1786	1653
	NCA	200	AB	19040	20	"	Deer/Elk/Moose Sized Game		2,800	2644	2494	2348	2208	2072	1941	1816	1696
	NCA	200	PT	19035	20	"	Deer/Elk/Moose Sized Game		2,800	2610	2428	2254	2086	1927	1775	1632	1500
300 WSM	TGA	180	AB	60063	20	1-10"	Deer/Elk/Moose Sized Game		2,900	2716	2539	2369	2206	2049	1898	1756	1621
	NCA	180	AB	22600	20	"	Deer/Elk/Moose Sized Game		2,900	2716	2539	2369	2206	2049	1898	1756	1621
	TGA	180	ET	60079	20	"	Deer/Elk/Moose Sized Game	XX	3,000	2817	2642	2474	2312	2156	2007	1864	1728
	TGA-LR	190	ABLR	60106	20	"	Deer/Elk Sized Game		2875	2729	2588	2451	2319	2190	2066	1946	1830
300 Winchester Magnum	NCA	165	PT	23320	20	1-10"	Deer/Elk Sized Game		3,100	2863	2638	2424	2221	2027	1843	1672	1514
	ETA	180	ET	40038	20	"	Deer/Elk/Moose Sized Game	XX	2,950	2770	2596	2430	2269	2115	1968	1827	1692
	TGA	180	AB	60059	20	"	Deer/Elk/Moose Sized Game		2,950	2763	2585	2413	2248	2089	1937	1793	1656
	TGA-LR	190	ABLR	60126	20	"	Deer/Elk Sized Game		2,870	2724	2583	2447	2314	2186	2062	1942	1826
	NCA	200	AB	23300	20	"	Deer/Elk/Moose Sized Game		2,800	2644	2494	2348	2208	2072	1941	1816	1696
	TGA	200	PT	60069	20	"	Deer/Elk/Moose Sized Game		2,750	2562	2382	2210	2044	1886	1737	1597	1467
300 H&H Magnum	NCA	150	AB	20002	20	1-10"	Deer/Elk Sized Game		3,200	2971	2754	2547	2349	2160	1980	1809	1650
	TGA	165	AB	60071	20	"	Deer/Elk Sized Game		3,000	2799	2607	2423	2247	2078	1916	1763	1619
	NCA	180	ET	13072	20	"	Deer/Elk/Moose Sized Game	XX	2,950	2769	2596	2430	2269	2115	1968	1827	1692
	TGA	180	AB	60060	20	"	Deer/Elk/Moose Sized Game		2,950	2763	2585	2413	2248	2089	1937	1793	1656
	NCA	180	PT	20063	20	"	Deer/Elk/Moose Sized Game		2,950	2751	2561	2378	2203	2036	1876	1725	1584
	NCA	200	AB	20070	20	"	Deer/Elk/Moose Sized Game		2,750	2596	2447	2303	2164	2030	1901	1777	1659
	NCA	200	PT	20084	20	"	Deer/Elk/Moose Sized Game		2,750	2562	2382	2210	2044	1886	1737	1597	1467
308 Norma Magnum	NCA	180	AB	23101	20	1-10"	Deer/Elk/Moose Sized Game		2,975	2787	2608	2435	2269	2110	1957	1811	1673
300 WBY Magnum	NCA	150	AB	22000	20	1-10"	Deer/Elk Sized Game		3,475	3231	3001	2782	2574	2375	2185	2003	1832
	NCA	165	PT	22049	20	"	Deer/Elk Sized Game		3,250	3005	2773	2553	2343	2143	1953	1774	1608
	TGA	180	AB	48643	20	"	Deer/Elk/Moose Sized Game		3,175	2979	2791	2612	2439	2273	2113	1960	1814
	NCA	180	PT	22005	20	"	Deer/Elk/Moose Sized Game		3,175	2965	2766	2575	2392	2217	2049	1888	1736
	TGA	180	ET	60068	20	"	Deer/Elk/Moose Sized Game	XX	3,050	2865	2688	2517	2353	2196	2044	1898	1760
	NCA	200	AB	22064	20	"	Deer/Elk/Moose Sized Game		2,950	2789	2633	2483	2338	2198	2063	1932	1807
	TGA-LR	210	ABLR	60131	20	"	Deer/Elk/Moose Sized Game		2,825	2698	2575	2455	2339	2226	2115	2008	1905
30 Nosler	TGA	180	AB	60117	20	1-10"	Deer/Elk/Moose Sized Game		3,200	3004	2815	2635	2462	2295	2135	1982	1836
	MGA	190	CC	60029	20	"	Targets		3,050	2874	2698	2530	2367	2211	2060	1916	1778
	TGA-LR	210	ABLR	60118	20	"	Deer/Elk/Moose Sized Game		3,000	2868	2741	2617	2497	2379	2265	2154	2046
300 RUM	NCA	150	AB	21088	20	1-10"	Deer/Elk Sized Game		3,525	3278	3045	2824	2614	2413	2227	2039	1865
	TGA	165	PT	60064	20	"	Deer/Elk Sized Game		3,350	3099	2862	2638	2424	2220	2026	1843	1671
	TGA	180	AB	60065	20	"	Deer/Elk/Moose Sized Game		3,250	3050	2860	2678	2502	2334	2172	2016	1868
	NCA	180	AB	21005	20	"	Deer/Elk/Moose Sized Game		3,250	3050	2860	2678	2502	2334	2172	2016	1868
	TGA	180	PT	60066	20	"	Deer/Elk/Moose Sized Game		3,200	2989	2789	2597	2413	2237	2068	1906	1754
	TGA	180	ET	60067	20	"	Deer/Elk/Moose Sized Game	XX	3,200	3009	2826	2650	2481	2318	2162	2011	1867
	NCA	200	AB	21073	20	"	Deer/Elk/Moose Sized Game		3,050	2885	2726	2573	2524	2282	2144	2010	1882
	NCA	200	PT	21010	20	"	Deer/Elk/Moose Sized Game		3,050	2849	2658	2474	2298	2128	1967	1813	1667
	TGA-LR	210	ABLR	60129	20	"	Deer/Elk/Moose Sized Game		2,920	2790	2665	2543	2424	2308	2196	2086	1980
30-378 WBY Magnum	NCA	165	PT	23028	20	1-10"	Deer/Elk Sized Game		3,450	3193	2951	2722	2504	2297	2099	1912	1735
	NCA	180	AB	23010	20	"	Deer/Elk/Moose Sized Game		3,400	3193	2997	2809	2628	2455	2288	2128	1974
	NCA	180	PT	23001	20	"	Deer/Elk/Moose Sized Game		3,400	3179	2970	2770	2579	2396	2221	2052	1892
	NCA	200	AB	23044	20	"	Deer/Elk/Moose Sized Game		3,150	2981	2819	2663	2512	2366	2225	2088	1957
	TGA-LR	210	ABLR	60133	20	"	Deer/Elk/Moose Sized Game		3,040	2907	2778	2653	2531	2413	2297	2185	2076

ENERGY (FT-LBS)								DROP IN INCHES (100 YRD ZERO)								DROP IN INCHES (200 YRD ZERO)										
MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800
2667	2232	1857	1534	1257	1021	823	659	529	-1.5	0	-2.8	-10.9	-25.2	-47.3	-78.9	-122.2	-180.2	-1.5	1.4	0	-6.6	-19.6	-40.2	-70.3	-112.2	-168.8
2997	2527	2119	1765	1459	1196	973	589	640	-1.5	0	-3.1	-11.7	-26.8	-49.9	-82.7	-127.5	-186.9	-1.5	1.5	0	-7	-20.6	-42.2	-73.5	-116.7	-174.6
2795	2408	2065	1762	1494	1259	1056	882	736	-1.5	0	-3.5	-12.8	-28.8	-52.9	-86.1	-131.6	-190.1	-1.5	1.7	0	-7.5	-21.9	-44.3	-76.2	-119.4	-176.2
2871	2491	2152	1850	1582	1346	1139	961	810	-1.5	0	-3.6	-13.2	-29.6	-54.1	-88.1	-133.3	-191.7	-1.5	1.8	0	-7.7	-22.4	-45.1	-77.2	-120.6	-177.2
2924	2623	2338	2078	1841	1625	1430	1254	1097	-1.5	0	-3.4	-12.4	-27.7	-50	-80.3	-119.6	-169.3	-1.5	1.7	0	-7.3	-20.8	-41.4	-69.9	-107.6	-155.6
2924	2557	2228	1933	1669	1434	1227	1046	890	-1.5	0	-3.6	-13	-29.1	-53	-86.0	-129.5	-185.5	-1.5	1.8	0	-7.6	-21.9	-44.1	-75.2	-117.0	-171.2
2924	2557	2228	1933	1669	1434	1227	1046	890	-1.5	0	-3.6	-13	-29.1	-53	-86	-129.5	-185.5	-1.5	1.8	0	-7.6	-21.9	-44.1	-75.2	-117	-171.2
3022	2643	2303	1998	1725	1483	1269	1082	922	-1.5	0	-3.8	-13.6	-30.3	-55.2	-89.4	-134.6	-192.6	-1.5	1.9	0	-7.9	-22.8	-45.8	-78.1	-121.4	-177.6
3022	2655	2324	2026	1760	1522	1311	1124	963	-1.5	0	-3.7	-13.5	-30.1	-54.6	-88.2	-132.4	-189.1	-1.5	1.9	0	-7.9	-22.6	-45.7	-77	-119.4	-174.1
3022	2643	2303	1998	1725	1483	1269	1082	922	-1.5	0	-3.8	-13.6	-30.3	-55.2	-89.4	-134.6	-192.6	-1.5	1.9	0	-7.9	-22.8	-45.8	-78.1	-121.4	-177.6
3022	2618	2258	1938	1655	1405	1188	1001	843	-1.5	0	-3.8	-13.8	-30.9	-56.5	-92	-132	-200.3	-1.5	1.9	0	-8.1	-23.3	-47	-80.5	-125.8	-185
2887	2563	2268	2000	1758	1540	1345	1172	1021	-1.5	0	-4.5	-15.9	-34.9	-62.8	-100.7	-150.1	-212.6	-1.5	2.3	0	-9.1	-25.9	-51.5	-87.1	-134.2	-194.5
3410	2940	2526	2160	1838	1554	1306	1090	906	-1.5	0	-2.4	-9.5	-21.9	-40.6	-66.8	-101.9	-147.6	-1.5	1.2	0	-5.8	-17	-34.5	-59.5	-93.3	-137.8
3410	2940	2526	2160	1838	1554	1306	1090	906	-1.5	0	-2.4	-9.5	-21.9	-40.6	-66.8	-101.9	-147.6	-1.5	1.2	0	-5.8	-17	-34.5	-59.5	-93.3	-137.8
3410	2885	2431	2035	1692	1396	1142	929	753	-1.5	0	-2.5	-9.8	-22.8	-42.7	-70.9	-109.2	-160	-1.5	1.3	0	-6	-17.8	-36.4	-63.3	-100.4	-150
3296	2870	2490	2151	1850	1582	1345	1139	961	-1.5	0	-2.9	-11	-25	-45.9	-74.8	-113.3	-162.9	-1.5	1.5	0	-6.6	-19.1	-38.5	-66	-103	-151.2
3296	2807	2379	2003	1676	1392	1148	943	773	-1.5	0	-3	-11.5	-26.2	-48.6	-80.2	-122.9	-179.2	-1.5	1.5	0	-6.9	-20.1	-41	-71.1	-112.3	-167
3360	2947	2576	2243	1944	1677	1440	1232	1050	-1.5	0	-3.2	-11.8	-26.7	-48.6	-78.9	-118.8	-170.1	-1.5	1.6	0	-7	-20.2	-40.6	-69.2	-107.6	-157.2
3360	2920	2528	2178	1867	1591	1350	1140	961	-1.5	0	-3.3	-12	-27.2	-49.8	-81.2	-122.8	-176.7	-1.5	1.6	0	-7.1	-20.7	-41.6	-71.4	-111.4	-163.7
3360	2951	2589	2272	1979	1716	1482	1274	1092	-1.5	0	-3.2	-11.8	-26.4	-48.1	-77.9	117.1	-167.3	-1.5	1.6	0	-7	-20	-40.1	-68.3	-105.9	-154.5
3481	3104	2761	2449	2164	1906	1673	1464	1277	-1.5	0	-3.5	-12.5	-27.9	-50.4	-81.1	-120.9	-171.3	-1.5	1.7	0	-7.3	-21	-41.8	-70.6	-108.8	-157.4
3481	3025	2619	2256	1933	1648	1399	1183	999	-1.5	0	-3.6	-13.1	-29.5	-53.9	-87.6	-132.4	-190.3	-1.5	1.8	0	-7.7	-22.3	-44.8	-76.8	-119.8	-175.9
3360	2947	2576	2243	1944	1677	1440	1232	1050	-1.5	0	-3.2	-11.8	-26.7	-48.6	-78.9	-118.8	-170.1	-1.5	1.6	0	-7	-20.2	-40.6	-69.2	-107.6	-157.2
3360	2947	2576	2243	1944	1677	1440	1232	1050	-1.5	0	-3.2	-11.8	-26.7	-48.6	-78.9	-118.8	-170.1	-1.5	1.6	0	-7	-20.2	-40.6	-69.2	-107.6	-157.2
3597	3172	2790	2447	2136	1858	1609	1389	1193	-1.5	0	-2.9	-10.8	-24.3	-44.4	-71.9	-108.1	-154.4	-1.5	1.4	0	-6.4	-18.5	-37.2	-63.3	-98	-142.8
3486	3142	2826	2535	2269	2024	1801	1597	1413	-1.5	0	3.2	-11.5	-25.7	-46.3	-74.2	-110.2	-155.4	-1.5	1.6	0	-6.8	-19.3	-38.4	-64.7	-99.1	-142.7
3520	3003	2550	2153	1806	1505	1245	1024	840	-1.5	0	-2.7	-10.5	-24.2	-44.9	-74.2	-113.7	-165.6	-1.5	1.4	0	-6.4	-18.7	-38.1	-65.9	-104	-154.6
3478	3065	2694	2360	2058	1788	1547	1333	1144	-1.5	0	-3	-11.2	-25.3	-46.2	-74.8	-112.5	-160.6	-1.5	1.5	0	-6.7	-19.3	-38.6	-65.7	-101.8	-148.4
3477	3052	2671	2328	2020	1745	1500	1284	1096	-1.5	0	-3.1	-11.3	-25.6	-46.7	-75.8	-114.2	-163.4	-1.5	1.5	0	-6.7	-19.4	-39	-66.6	-103.5	-151.2
3474	3131	2816	2526	2260	2016	1794	1591	1407	-1.5	0	-3.2	-11.6	-25.8	-46.5	-74.5	-110.6	-156	-1.5	1.6	0	-6.8	-19.4	-38.5	-64.9	-99.5	-143.3
3481	3104	2761	2449	2164	1906	1673	1464	1277	-1.5	0	-3.5	-12.5	-27.9	-50.4	-81.1	-120.9	-171.3	-1.5	1.7	0	-7.3	-21	-41.8	-70.6	-108.8	-157.4
3357	2915	2520	2168	1856	1580	1340	1132	956	-1.5	0	-3.8	-13.7	-30.8	-56.2	-91.4	-138.1	-198.5	-1.5	1.9	0	-8	-23.2	-46.7	-80	-124.8	-183.3
3410	2940	2526	2160	1838	1554	1306	1090	906	-1.5	0	-2.4	-9.5	-21.9	-40.6	-66.8	-101.9	-147.6	-1.5	1.2	0	-5.8	-17	-34.5	-59.5	-93.3	-137.8
3296	2870	2490	2151	1850	1582	1345	1139	961	-1.5	0	-2.9	-11	-25	-45.9	-74.8	-113.3	-162.9	-1.5	1.5	0	-6.6	-19.1	-38.5	-66	-103	-151.2
3478	3065	2694	2359	2058	1788	1547	1333	1144	-1.5	0	-3	-11.2	-25.3	-46.2	-74.8	-112.5	-160.6	-1.5	1.5	0	-6.7	-19.3	-38.6	-65.7	-101.8	-148.4
3477	3052	2671	2328	2020	1745	1500	1284	1096	-1.5	0	-3.1	-11.3	-25.6	-46.7	-75.8	-114.2	-163.4	-1.5	1.5	0	-6.7	-19.4	-39	-66.6	-103.5	-151.2
3477	3024	2621	2321	1940	1656	1407	1189	1002	-1.5	0	-3.1	-11.5	-26.1	-47.8	-77.9	-118	-169.7	-1.5	1.5	0	-6.9	-19.9	-40.1	-68.7	-107.1	-157.3
3357	2992	2659	2355	2079	1829	1604	1402	1223	-1.5	0	-3.7	-13.1	-29.2	-52.6	-84.5	-126.1	-178.6	-1.5	1.8	0	-7.6	-21.8	-43.5	-73.5	-113.3	-164
3357	2915	2520	2168	1856	1580	1340	1132	956	-1.5	0	-3.8	-13.7	-30.8	-56.2	-91.4	-138.1	-198.5	-1.5	1.9	0	-8	-23.2	-46.7	-80	-124.8	-183.3
3536	3105	2718	2371	2058	1779	1531	1311	119.5	-1.5	0	-3	-11.1	-25	-45.8	-74.3	-111.9	-160.2	-1.5	1.5	0	-6.6	-19.1	-38.3	-65.4	-101.5	-148.3
4021	3477	2999	2578	2206	1878	1590	1337	1117	-1.5	0	-1.8	-7.5	-17.7	-33.2	-54.8	-83.8	-121.4	-1.5	0.9	0	-4.8	-14.1	-28.6	-49.3	-77.3	-114.4
3869	3307	2817	2387	2011	1682	1397	1153	947	-1.5	0	-2.4	-9.2	-21.5	-40.1	-66.2	-101.5	-147.9	-1.5	1.2	0	-5.7	-16.8	-34.2	-59.2	-93.3	-138.5
4028	3546	3114	2726	2378	2065	1785	1536	1316	-1.5	0	-2.4	-9.3	-21.3	-39.1	-63.7	-96.1	-137.5	-1.5	1.2	0	-5.7	-16.5	-33.1	-56.4	-87.6	-127.8
4028	3515	3058	2651	2287	1964	1677	1425	1205	-1.5	0	-2.5	-9.5	-21.7	-40.1	-65.5	-99.2	-142.7	-1.5	1.2	0	-5.8	-16.8	-33.9	-58.1	-90.6	-132.9
3717	3281	2887	2533	2214	1927	1669	1440	1238	-1.5	0	-2.7	-10.3	-23.3	-42.7	-69.2	-104.1	-148.6	-1.5	1.4	0	-6.2	-17.9	-35.8	-61	-94.5	-137.7
3864	3454	3080	2739	2428	2146	1889	1658	1450	-1.5	0	-3	-11	-24.6	44.6	-71.8	-107.1	-151.8	-1.5	1.5	0	-6.5	-18.6	-37.1	-62.9	-96.7	-139.9
3720	3395	3092	2812	2551	2310	2087	1881	1691	-1.5	0	-3.3	-11.8	-26.1	-46.7	-74.4	-109.8	-153.9	-1.5	1.6	0	-6.9	-19.5	-38.5	-64.6	-98.3	-140.8
4092	3606	3168	2774	2422	2105	1822	1570	1347	-1.5	0	-2.4	-9.1	-20.9	-38.4	-62.5	-94.3	-134.9	-1.5	1.2	0	-5.6	-16.2	-32.5	-55.4	-86	-125.4
3940	3483	3071	2699	2364	2062	1791	1548	1334	-1.5	0	-2.7	-10.2	-23.1	-42.3	-68.6	-103	-147	-1.5	1.4	0	-6.1	-17.7	-35.5	-60.4	-93.5	-136.1
4196	3836	3502	3193	2906	2639	2391	2163	1952	-1.5	0	-2.7	-10.1	-22.5	-40.5	-64.7	-95.6	-134.1	-1.5	1.4	0	-5.9	-17.1	-33.7	-56.5	-86.1	-123.2
4137	3576	3089	2657	2276	1940	1644	1384	1158	-1.5	0	-1.7	-7.2	-17.1	-32	-53	-81	-117.3	-1.5	0.9	0	-4.9	-13.6	-27.7	-47.8	-74.9	-110.4
4110	3518	3001	2549	2152	1806																					

AMMUNITION APPENDIX

BTA Ballistic Tip Ammunition
DEFENSE Defense Ammunition
ETA E-Tip Ammunition
MGA Match Grade Ammunition
NCA NoslerCustom Handloaded Ammunition
NVSK Noveske Ammunition
SAFARI Safari Dangerous Game Ammunition

SSA SSA Ammunition
TGA Trophy Grade Ammunition
TGA-LR Trophy Grade (LONG RANGE) Ammunition
VGA Varmageddon Ammunition

FBHP Flat Base Hollow Point
HPBT Hollow Point Boat Tail
SP Spitzer
T-BND Tipped Bonded
JHP Jacketed Hollow Point
B-JHP Bonded Jacketed Hollow Point
PT Partition
BTLF Ballistic Tip Lead Free
ET E-Tip
BSB Bonded Solid Base

SD Solid
BT Ballistic Tip
AB AccuBond
CC Custom Competition
ABLR AccuBond Long Range
BT Glow Ballistic Glow Tip
BT RN Ballistic Tip Round Nose

LF Lead-Free
MZL Muzzle

RIFLE									VELOCITY (FPS)									
						BBL												
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	Count	TWIST	RQ/MT	FOR USE	LEAD FREE	MZL	100	200	300	400	500	600	700	800
8x57 JS Mauser	NCA	180	BT	24605	20	1-10"		Deer Sized Game		2,600	2357	2127	1911	1710	1526	1363	1226	1120
	NCA	200	AB	24610	20	"		Deer/Elk/Moose Sized Game		2,475	2286	2106	1935	1772	1620	1480	1354	1244
	NCA	200	PT	24615	20	"		Deer/Elk/Moose Sized Game		2,475	2234	2007	1795	1599	1424	1274	1154	1065
325 WSM	TGA	180	ET	48854	20	1-10"		Deer/Elk/Moose Sized Game	XX	3,050	2782	2529	2290	2064	1852	1656	1477	1321
	NCA	180	BT	14212	20	"		Deer/Elk/Moose Sized Game		3,050	2807	2576	2357	2149	1953	1768	1596	1440
	NCA	200	PT	13249	20	"		Deer/Elk/Moose Sized Game		2,825	2611	2406	2211	2026	1850	1685	1532	1394
	TGA	200	AB	60077	20	"		Deer/Elk/Moose Sized Game		2,900	2693	2495	2306	2125	1953	1789	1636	1494
8mm Remington Magnum	NCA	180	BT	24410	20	1-10"		Deer/Elk/Moose Sized Game		3,200	2923	2662	2416	2183	1964	1758	1540	1402
	NCA	200	AB	24400	20	"		Deer/Elk/Moose Sized Game		3,000	2788	2586	2393	2209	2032	1864	1706	1559
	NCA	200	PT	24405	20	"		Deer/Elk/Moose Sized Game		3,000	2730	2475	2234	2008	1795	1600	1424	1274
338-06 A-Square	NCA	180	AB	26005	20	1-10"		Deer/Elk/Moose Sized Game		2,950	2698	2460	2234	2020	1819	1632	1463	1315
	NCA	200	AB	26016	20	"		Deer/Elk/Moose Sized Game		2,800	2580	2371	2172	1982	1803	1636	1483	1346
	NCA	210	PT	26019	20	"		Deer/Elk/Moose Sized Game		2,725	2501	2289	2087	1895	1716	1550	1401	1272
	NCA	225	AB	26035	20	"		Deer/Elk/Moose Sized Game		2,600	2441	2287	2139	1997	1860	1730	1608	1493
	NCA	225	PT	26044	20	"		Deer/Elk/Moose Sized Game		2,600	2408	2224	2048	1881	1723	1576	1441	1321
	NCA	250	PT	26050	20	"		Deer/Elk/Moose Sized Game		2,475	2295	2123	1959	1803	1656	1520	1395	1285
338 Winchester Magnum	NCA	180	AB	25042	20	1-10"		Deer/Elk/Moose Sized Game		3,100	2839	2594	2361	2140	1932	1737	1557	1397
	NCA	200	AB	25050	20	"		Deer/Elk/Moose Sized Game		2,950	2723	2507	2301	2105	1919	1744	1582	1434
	NCA	200	ET	13452	20	"		Deer/Elk/Moose Sized Game	XX	2,900	2681	2473	2275	2086	1907	1737	1579	1436
	NCA	210	PT	25019	20	"		Deer/Elk/Moose Sized Game		2,950	2715	2492	2280	2079	1888	1709	1544	1395
	TGA	225	AB	60074	20	"		Deer/Elk/Moose Sized Game		2,750	2585	2427	2274	2126	1984	1849	1719	1597
	TGA	225	ET	60088	20	"		Deer/Elk/Moose Sized Game	XX	2,750	2602	2459	2320	2186	2057	1932	1812	1697
	NCA	225	PT	25036	20	"		Deer/Elk/Moose Sized Game		2,750	2551	2361	2180	2006	1841	1686	1541	1410
	TGA	250	AB	60086	20	"		Deer/Elk/Moose Sized Game		2,650	2496	2347	2203	2065	1931	1803	1682	1567
	TGA	250	PT	60082	20	"		Deer/Elk/Moose Sized Game		2,600	2415	2238	2069	1907	1754	1610	1478	1358
338 RUM	NCA	200	AB	24001	20	1-10"		Deer/Elk/Moose Sized Game		3,150	2912	2687	2473	2269	2075	1890	1717	1557
	TGA	225	AB	60083	20	"		Deer/Elk/Moose Sized Game		2,975	2802	2636	2475	2321	2171	2028	1890	1759
	NCA	225	PT	24044	20	"		Deer/Elk/Moose Sized Game		2,975	2766	2567	2377	2194	2020	1854	1698	1553
	TGA	250	AB	48952	20	"		Deer/Elk/Moose Sized Game		2,850	2689	2533	2384	2239	2099	1964	1835	1711
	NCA	250	PT	24056	20	"		Deer/Elk/Moose Sized Game		2,850	2655	2468	2289	2118	1954	1798	1651	1515
	TGA	300	AB	60123	20	"		Deer/Elk/Moose Sized Game		2,600	2478	2359	2243	2131	2022	1916	1814	1716
340 WBY Magnum	NCA	200	AB	29022	20	1-10"		Deer/Elk/Moose Sized Game		3,100	2865	2642	2430	2228	2036	1854	1683	1526
	NCA	210	PT	29033	20	"		Deer/Elk/Moose Sized Game		2,950	2715	2493	2281	2080	1891	1712	1547	1399
	NCA	225	AB	29040	20	"		Deer/Elk/Moose Sized Game		2,900	2730	2566	2408	2256	2109	1968	1833	1704
	NCA	225	PT	29059	20	"		Deer/Elk/Moose Sized Game		2,900	2695	2499	2311	2131	1960	1798	1645	1504
	NCA	250	PT	29099	20	"		Deer/Elk/Moose Sized Game		2,800	2607	2422	2245	2075	1913	1760	1616	1483
	TGA	300	AB	60112	20	"		Deer/Elk/Moose Sized Game		2,540	2419	2302	2188	2077	1970	1866	1766	1670
338 Lapua Magnum	TGA	225	AB	60085	20	1-10"		Deer/Elk/Moose Sized Game		3,000	2826	2659	2498	2342	2192	2048	1909	1777
	NCA	250	AB	28075	20	"		Deer/Elk/Moose Sized Game		2,850	2689	2533	2384	2239	2099	1964	1835	1711
	MGA	300	HPBT	43136	20	"		Targets		2,650	2533	2420	2309	2202	2097	1995	1896	1801
	TGA	300	AB	49323	20	"		Deer/Elk/Moose Sized Game		2,650	2526	2406	2289	2176	2066	1959	1855	1755
33 Nosler	TGA	225	AB	60098	20			Deer/Elk/Moose Sized Game		3,025	2856	2687	2525	2369	2218	2072	1933	1799
	TGA-LR	265	ABLR	60099	20			Deer/Elk/Moose Sized Game		2,775	2661	2547	2435	2326	2220	2117	2016	1918
	MGA	300	CC	60031	20			Targets		2,550	2445	2339	2235	2134	2036	1940	1847	1758
338-378 WBY Magnum	NCA	225	AB	27031	20	1-10"		Deer/Elk/Moose Sized Game		3,250	3066	2889	2720	2556	2399	2247	2101	1960
	NCA	250	PT	27068	20	"		Deer/Elk/Moose Sized Game		3,050	2846	2651	2465	2286	2114	1951	1795	1649
35 Whelen	NCA	200	AB	14322	20	1-16"		Deer/Elk/Moose Sized Game		2,700	2458	2228	2012	1809	1620	1450	1301	1180
	TGA	225	AB	60081	20	"		Deer/Elk/Moose Sized Game		2,750	2559	2376	2201	2033	1873	1722	1581	1451
	NCA	225	PT	30016	20	"		Deer/Elk/Moose Sized Game		2,750	2540	2341	2150	1968	1797	1636	1488	1356
	NCA	250	PT	30020	20	"		Deer/Elk/Moose Sized Game		2,550	2356	2172	1995	1828	1671	1525	1393	1277
350 Remington Magnum	NCA	225	PT	31010	20	1-16"		Deer/Elk/Moose Sized Game		2,550	2349	2158	1976	1804	1643	1494	1361	1246

ENERGY (FT-LBS)									DROP IN INCHES (100 YRD ZERO)									DROP IN INCHES (200 YRD ZERO)								
MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800	MZL	100	200	300	400	500	600	700	800
2701	2220	1809	1460	1168	931	743	601	501	-1.5	0	-4.8	-17.3	-39.3	-73.3	-122.2	-189.9	-280.8	-1.5	2.4	0	-10.1	-29.8	-61.3	-107.9	-173.2	-261.7
2719	2321	1970	1662	1395	1166	973	814	688	-1.5	0	-5.2	-18.2	-40.5	-73.9	-120.6	-183.2	-264.7	-1.5	2.6	0	-10.4	-30.2	-61	-105.1	-165.1	-244.1
2719	2216	1789	1431	1136	901	720	591	503	-1.5	0	-5.5	-19.6	-44.6	-83.3	-139.1	-216.3	-319.7	-1.5	2.7	0	-11.4	-33.7	-69.5	-122.6	-197.1	-297.7
3717	3093	2557	2097	1703	1371	1096	872	698	-1.5	0	-3	-11.5	-26.6	-49.9	-83.3	-129.5	-191.7	-1.5	1.5	0	-7	-20.6	-42.3	-74.3	-119	-179.7
3718	3148	2653	2221	1846	1525	1249	1017	829	-1.5	0	-2.9	-11.1	-25.5	-47.5	-78.7	-121	-177	-1.5	1.5	0	-6.7	-19.7	-40.2	-70	-110.7	-165.3
3544	3026	2571	2171	1823	1521	1260	1042	862	-1.5	0	-3.6	-13.2	-30	-55.2	-90.7	-138.4	-201	-1.5	1.8	0	-7.8	-22.8	-46.2	-79.8	-125.7	-186.5
3734	3220	2765	2362	2006	1693	1422	1188	992	-1.5	0	-3.3	-12.2	-27.6	-50.8	-83	-126.3	-182.5	-1.5	1.7	0	-7.2	-21	-42.5	-73.2	-114.7	-169.2
4092	3414	2832	2333	1905	1541	1236	985	785	-1.5	0	-2.6	-10.1	-23.6	-44.3	-74.2	-115.3	-170.6	-1.5	1.3	0	-6.2	-18.4	-37.9	-66.4	-106.3	-160.3
3996	3452	2971	2544	2166	1834	1543	1293	1079	-1.5	0	-3	-11.2	-25.4	-46.8	-76.7	-116.5	-168.4	-1.5	1.5	0	-6.7	-19.5	-39.4	-67.7	-106.1	-156.4
3996	33.9	2720	2217	1790	1431	1136	901	721	-1.5	0	-3.2	-12.1	-27.9	-52.4	-87.8	-136.8	-202.9	-1.5	1.6	0	-7.3	-21.6	-44.5	-78.2	-125.6	-190.2
3477	2909	2418	1994	1631	1322	1065	856	691	-1.5	0	-3.3	-12.3	-28.4	-53	-88.1	-136.3	-200.8	-1.5	1.6	0	-7.4	-21.8	-44.7	-78.2	-124.8	-187.7
3481	2956	2497	2094	1745	1444	1189	976	805	-1.5	0	-3.7	-13.7	-31	-57.2	-94.1	-144	-209.8	-1.5	1.9	0	-8.1	-23.5	-47.8	-82.9	-131	-194.9
3461	2918	2443	2030	1675	1373	1121	915	754	-1.5	0	-4.1	-14.8	-33.5	-61.9	-102.2	-157	-229.5	-1.5	2	0	-8.7	-25.4	-51.8	-90	-142.7	-213.2
3376	2976	2614	2286	1992	1729	1496	1291	1114	-1.5	0	-4.3	-15.3	-33.9	-61.3	-98.6	-147.7	-210.1	-1.5	2.2	0	-8.8	-25.3	-50.4	-85.6	-132.5	-192.8
3376	2896	2471	2096	1768	1483	1241	1037	871	-1.5	0	-4.5	-16.1	-35.9	-65.6	-107	-162.5	-234.7	-1.5	2.3	0	-9.3	-26.9	-54.3	-93.5	-146.7	-216.7
3399	2925	2503	2131	1805	1523	1282	1081	915	-1.5	0	-5.1	-17.9	-39.8	-72.5	-117.8	-178.2	-256.4	-1.5	2.6	0	-10.3	-29.6	-59.7	-102.5	-160.3	-236
3840	3222	2689	2228	1830	1491	1205	969	780	-1.5	0	-2.8	-10.8	-25.1	-47	-78.2	-121	-178.1	-1.5	1.4	0	-6.6	-19.4	-39.9	-69.7	-111.1	-166.9
3864	3292	2791	2352	1968	1636	1351	1111	913	-1.5	0	-3.2	-11.9	-27.3	-50.4	-83.1	-127.2	-185.2	-1.5	1.6	0	-7.1	-20.9	-42.4	-73.5	-116	-172.4
3734	3193	2717	2297	1932	1614	1340	1108	916	-1.5	0	-3.3	-12.4	-28.2	-51.9	-85.3	-130.3	-189.2	-1.5	1.7	0	-7.4	-21.5	-43.6	-75.3	-118.5	-175.8
4057	3437	2896	2425	2015	1662	1362	1111	908	-1.5	0	-3.2	-12.1	-27.6	-51.2	-84.6	-129.9	-189.9	-1.5	1.6	0	-7.2	-21.1	-43.1	-74.9	-118.6	-177.0
3777	3339	2942	2583	2259	1968	1707	1477	1274	-1.5	0	-3.7	-13.3	-29.7	-53.7	-86.6	-129.6	-184.5	-1.5	1.9	0	-7.8	-22.3	-44.4	-75.5	-116.7	-169.7
3778	3382	3021	2689	2387	2113	1865	1641	1439	-1.5	0	-3.6	-13	-28.9	-52	-83.4	-124	-175.4	-1.5	1.8	0	-7.6	-21.6	-43	-72.5	-113.1	-160.8
3777	3252	2786	2373	2010	1693	1420	1187	993	-1.5	0	-3.8	-13.9	-31.4	-57.5	-93.8	-142.4	-205.7	-1.5	1.9	0	-8.2	-23.7	-47.8	-82.3	-129	-190.3
3897	3458	3058	2695	2366	2070	1805	1570	1363	-1.5	0	-4.1	-14.5	-32.1	-57.8	-92.9	-138.6	-196.7	-1.5	2	0	-8.4	-23.9	-47.6	-80.6	-124.3	-180.3
3751	3238	2781	2376	2019	1708	1440	1212	1023	-1.5	0	-4.5	-15.9	-35.4	-64.6	-105	-158.9	-228.7	-1.5	2.2	0	-9.2	-26.5	-53.4	-91.6	-143.3	-210.8
4405	3767	3207	2717	2287	1911	1587	1309	1076	-1.5	0	-2.6	-10	-23.2	-43	-71	-108.8	-158.3	-1.5	1.3	0	-6.1	-17.9	-36.5	-63.2	-99.7	-147.9
4421	3922	3470	3061	2691	2356	2054	1785	1545	-1.5	0	-2.9	-10.9	-24.5	-44.6	-72	-108	-153.6	-1.5	1.5	0	-6.5	-18.6	-37.2	-63.2	-97.7	-141.9
4421	3823	3292	2822	2405	2038	1717	1440	1204	-1.5	0	-3	-11.4	-25.9	-47.6	-77.9	-118.3	-170.8	-1.5	1.5	0	-6.8	-19.8	-40	-68.7	-107.6	-158.6
4508	4013	3563	3154	2782	2445	2141	1869	1626	-1.5	0	-3.3	-12	-26.9	-48.7	-78.4	-117.1	-166.2	-1.5	1.7	0	-7.1	-20.3	-40.4	-68.5	-105.5	-152.9
4508	3913	3382	2909	2489	2119	1794	1514	1274	-1.5	0	-3.4	-12.6	-28.4	-52	-84.6	-128.1	-184.3	-1.5	1.7	0	-7.4	-21.5	-43.4	-74.3	-116.1	-170.6
4502	4089	3707	3353	3026	2724	2447	2193	1963	-1.5	0	-4.2	-14.6	-31.9	-56.9	-90.4	-133.3	-186.8	-1.5	2.1	0	-8.3	-23.6	-46.5	-77.9	-118.7	-170.2
4267	3645	3101	2623	2205	1840	1526	1258	1033	-1.5	0	-2.7	-10.5	-24.1	-44.8	-73.8	-113	-164.5	-1.5	1.4	0	-6.4	-18.6	-37.9	-65.6	-103.4	-153.5
4058	3438	2898	2426	2018	1667	1367	1116	912	-1.5	0	-3.2	-12.1	-27.6	-51.2	-84.5	-129.8	-189.6	-1.5	1.6	0	-7.2	-21.1	-43.1	-74.8	-118.5	-176.7
4200	3733	3290	2898	2543	2222	1935	1678	1451	-1.5	0	-3.2	-11.6	-26.1	-47.4	-76.5	-114.6	-163	-1.5	1.6	0	-6.9	-19.7	-39.4	-67	-103.5	-150.4
4200	3628	3119	2668	2270	1919	1614	1352	1130	-1.5	0	-3.3	-12.2	-27.6	-50.6	-82.7	-125.7	-181.4	-1.5	1.6	0	-7.2	-21	-42.4	-72.9	-114.1	-168.3
4351	3773	3257	2798	2391	2032	1719	1449	1220	-1.5	0	-3.6	-13.2	-29.6	-54.2	-88.3	-133.6	-192.2	-1.5	1.8	0	-7.7	-22.4	-45.1	-77.4	-120.9	-177.7
4296	3899	3531	3190	2875	2586	2320	2078	1858	-1.5	0	-4.4	-15.4	-33.7	-60	-95.3	-140.6	-179	-1.5	2.2	0	-8.8	-24.8	-48.9	-82	-125	-179.2
4495	3990	3532	3117	2741	2401	2095	1821	1577	-1.5	0	-2.9	-10.6	-24	-43.7	-70.6	-105.9	-150.7	-1.5	1.4	0	-6.3	-18.3	-36.5	-62.1	-95.9	-139.2
4508	4013	3563	3154	2782	2445	2141	1869	1626	-1.5	0	-3.3	-12	-26.9	-48.7	-78.4	-117.1	-166.2	-1.5	1.7	0	-7.1	-20.3	-40.4	-68.5	-105.5	-152.9
4677	4275	3901	3553	3230	2929	2652	2396	2161	-1.5	0	-3.9	-13.8	-30.1	-53.7	-85.1	-125.3	-175.2	-1.5	2	0	-7.9	-22.3	-43.9	-73.4	-111.6	-159.5
4677	4251	3857	3492	3154	2842	2555	2293	2053	-1.5	0	-3.9	-13.9	-30.5	-54.4	-86.5	-127.6	-178.9	-1.5	2	0	-8	-22.6	-44.5	-74.7	-113.8	-163.1
4589	4074	3608	3185	2803	2457	2145	1866	1617	-1.5	0	-2.8	-10.4	-23.4	-42.6	-69	-103.4	-147.1	-1.5	1.4	0	-6.2	-17.9	-35.7	-60.7	-93.7	-136.1
4543	4167	3816	3488	3183	2900	2636	2391	2165	-1.5	0	-3.4	-12.2	-26.8	-47.9	-76	-111.9	-156.3	-1.5	1.7	0	-7.1	-20	-39.4	-65.8	-100	-142.7
4343	3981	3643	3327	3033	2760	2507	2273	2057	-1.5	0	-4.3	-15	-32.6	-57.9	-91.6	-134.5	-187.6	-1.5	2.2	0	-8.5	-24	-47.1	-78.6	-119.4	-170.3
5276	4695	4171	3696	3265	2875	2532	2205	1919	-1.5	0	-2.2	-8.6	-19.6	-36	-58.5	-87.8	-125	-1.5	1.1	0	-5.3	-15.2	-30.5	-51.9	-80.1	-116.2
5163	4496	3902	3373	2901	2482	2112	1789	1509	-1.5	0	-2.8	-10.5	-24	-44.2	-72.1	-109.2	-157.1	-1.5	1.4	0	-6.4	-18.4	-37.2	-63.7	-99.4	-145.9
3237	2682	2204	1797	1453	1165	934	752	618	-1.5	0	-4.3	-15.6	-35.5	-66.1	-109.9	-170.5	-251.5	-1.5	2.1	0	-9.2	-26.9	-55.4	-97.2	-155.5	-234.4
3777	3272	2821	2421	2065	1753	1482	1248	1051	-1.5	0	-3.8	-13.8	-31	-56.6	-92.1	-139.3	-200.5	-1.5	1.9	0	-8.1	-23.3	-47	-80.6	-126	-185.5
3777	3224	2737	2309	1936	1613	1337	1107	918	-1.5	0	-3.9	-14.2	-31.9	-58.7	-96.3	-146.9	-213.2	-1.5	1.9	0	-8.3	-24.2	-49	-84.6	-133.3	-197.7
3609	3083	2618	2210	1855	1550	1291	1077	905	-1.5	0	-4.8	-16.9	-37.8	-69.2	-113	-171.8	-248.5	-1.5	2.4	0	-9.8	-28.3	-57.2	-98.7	-155.1	-229.4
3248	2758	2327	1951	1626	1348	1116	926	775	-1.5	0	-4.8	-17.1	-38.3	-70.2	-115.1	-175.5	-254.7	-1.5	2.4	0	-9.9	-28.7	-58.2	-100.6	-158.7	-235.5

AMMUNITION
APPENDIX

TGA Trophy Grade Ammunition
NCA NoslerCustom Handloaded Ammunition
SAFARI Safari Dangerous Game Ammunition
AB AccuBond
PT Partition
SD Solid

CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	COUNT	BBL TWIST RQMT	FOR USE	VELOCITY (FPS)						
								MZL	50	100	150	200	250	300
9.3x62 Mauser	TGA	250	AB	48634	20	1-10"	Bear/Moose	2,550	2462	2376	2291	2208	2127	2048
	SAFARI	286	PT	40602	20	"	Bear/Moose- Dangerous Game	2,350	2263	2179	2096	2015	1936	1859
	SAFARI	286	SD	40604	20	"	Dangerous Game	2,400	2280	2163	2050	1941	1835	1733
9.3x74 R	NCA	250	AB	33033	20	1-14"	Bear/Moose	2,550	2462	2376	2291	2208	2127	2048
	NCA	286	PT	33048	20	"	Bear/Moose- Dangerous Game	2,300	2214	2131	2049	1969	1891	1815
375 Flanged	SAFARI	300	PT	40610	20	1-12"	Bear/Moose- Dangerous Game	2,400	2294	2191	2091	1993	1898	1806
	SAFARI	300	SD	40612	20	"	Dangerous Game	2,400	2260	2125	1995	1870	1750	1636
375 H&H Magnum	NCA	260	AB	34010	20	1-12"	Bear/Moose- Dangerous Game	2,750	2653	2559	2467	2376	2288	2201
	TGA	260	PT	60090	20	"	Bear/Moose- Dangerous Game	2,750	2605	2466	2330	2199	2072	1949
	TGA	300	AB	60070	20	"	Bear/Moose- Dangerous Game	2,400	2313	2228	2144	2063	1983	1905
	NCA	300	PT	34005	20	"	Bear/Moose- Dangerous Game	2,450	2343	2239	2137	2038	1942	1849
	SAFARI	300	PT	40606	20	"	Bear/Moose- Dangerous Game	2,450	2343	2239	2137	2038	1942	1849
	SAFARI	300	SD	40608	20	"	Dangerous Game	2,550	2405	2265	2130	2000	1874	1754
375 RUM	NCA	260	AB	35016	20	1-12"	Bear/Moose- Dangerous Game	2,950	2849	2750	2654	2560	2468	2377
	NCA	260	PT	35032	20	"	Bear/Moose- Dangerous Game	2,950	2799	2653	2512	2375	2242	2114
	NCA	300	PT	35055	20	"	Bear/Moose- Dangerous Game	2,750	2635	2524	2415	2309	2206	2105
375 WBY Magnum	NCA	260	AB	36008	20	1-12"	Bear/Moose- Dangerous Game	3,000	2898	2798	2701	2606	2512	2421
	NCA	260	PT	36026	20	"	Bear/Moose- Dangerous Game	3,000	2847	2700	2557	2419	2285	2155
378 WBY Magnum	NCA	260	AB	37042	20	1-12"	Bear/Moose- Dangerous Game	3,100	2995	2894	2794	2697	2602	2509
	NCA	300	PT	37079	20	"	Bear/Moose- Dangerous Game	2,850	2733	2619	2509	2400	2295	2192
404 Jeffery	SAFARI	400	SD	40614	20	1-14"	Dangerous Game	2,350	2181	2020	1866	1720	1584	1458
416 Remington Magnum	SAFARI	400	PT	40616	20	1-14"	Bear/Moose- Dangerous Game	2,400	2292	2187	2084	1985	1889	1795
	SAFARI	400	SD	40618	20	"	Dangerous Game	2,400	2255	2115	1980	1851	1728	1611
416 Rigby	SAFARI	400	PT	40620	20	1-14"	Bear/Moose- Dangerous Game	2,400	2292	2187	2084	1985	1889	1795
	SAFARI	400	SD	40622	20	"	Dangerous Game	2,400	2255	2115	1980	1851	1728	1611
458 Winchester Magnum	SAFARI	500	PT	40624	20	1-14"	Bear/Moose- Dangerous Game	2,100	1999	1902	1808	1717	1630	1547
	SAFARI	500	SD	40626	20	"	Dangerous Game	2,100	1943	1793	1652	1521	1401	1294
458 Lott	SAFARI	500	PT	40628	20	1-14"	Bear/Moose- Dangerous Game	2,300	2194	2091	1991	1894	1801	1710
	SAFARI	500	SD	40630	20	"	Dangerous Game	2,300	2134	1975	1824	1682	1548	1426
470 Nitro Express	SAFARI	500	SD	40632	10	1-16"	Dangerous Game	2,100	1937	1782	1637	1502	1380	1272
450 Rigby	SAFARI	500	PT	40634	10	1-14"	Bear/Moose- Dangerous Game	2,350	2243	2139	2037	1939	1844	1752
500/416 Nitro Express	SAFARI	400	PT	40642	10	1-14"	Bear/Moose- Dangerous Game	2,300	2194	2092	1992	1895	1802	1712
500 Jeffery	SAFARI	570	SD	40636	10	1-20"	Dangerous Game	2,300	2136	1979	1830	1688	1556	1434
500 Nitro Express	SAFARI	570	SD	40638	10	1-20"	Dangerous Game	2,100	1944	1797	1657	1527	1408	1301
505 Gibbs	SAFARI	525	SD	40640	10	1-16"	Dangerous Game	2,200	2061	1927	1799	1678	1563	1456

ENERGY (FT LBS)							DROP IN INCHES 50YD ZERO IRON SIGHT							DROP IN INCHES 100YD ZERO IRON SIGHT						
MZL	50	100	150	200	250	300	MZL	50	100	150	200	250	300	MUZZLE	50	100	150	200	250	300
3609	3364	3133	2914	2707	2512	2328	-0.8	0.0	-0.6	-2.8	-6.6	-12.2	-19.8	-0.8	+0.3	0.0	-1.9	-5.4	-10.7	-17.9
3506	3253	3014	2790	2578	2380	2194	-0.8	0.0	-0.9	-3.6	-8.3	-15.2	-24.3	-0.8	+0.4	0.0	-2.3	-6.5	-12.9	-21.6
3657	3301	2972	2669	2392	2138	1908	-0.8	0.0	-0.9	-3.6	-8.4	-15.5	-25.2	-0.8	+0.4	0.0	-2.3	-6.7	-13.3	-22.6
3609	3364	3133	2914	2707	2512	2328	-0.8	0.0	-0.6	-2.8	-6.6	-12.2	-19.8	-0.8	+0.3	0.0	-1.9	-5.4	-10.7	-17.9
3358	3114	2883	2666	2462	2271	2093	-0.8	0.0	-1.0	-3.6	-8.8	-16.0	-25.6	-0.8	+0.5	0.0	-2.4	-6.9	-13.6	-22.7
3836	3506	3198	2912	2646	2400	2174	-0.8	0.0	-0.9	-3.5	-8.2	-15.0	-24.3	-0.8	+0.4	0.0	-2.2	-6.5	-12.9	-21.7
3836	3403	3008	2651	2329	2040	1783	-0.8	0.0	-0.9	-3.7	-8.7	-16.2	-26.6	-0.8	+0.5	0.0	-2.4	-6.9	-14.0	-23.9
4365	4064	3781	3513	3260	3022	2797	-0.8	0.0	-0.4	-2.2	-5.4	-10.1	-16.5	-0.8	+0.2	0.0	-1.5	-4.5	-9.0	-15.2
4365	3919	3510	3135	2792	2478	2194	-0.8	0.0	-0.5	-2.4	-5.9	-11.2	-18.6	-0.8	+0.2	0.0	-1.7	-4.9	-10.0	-17.1
3836	3563	3306	3063	2834	2620	2418	-0.8	0.0	-0.8	-3.4	-7.9	-14.4	-23.1	-0.8	+0.4	0.0	-2.2	-6.2	-12.3	-20.6
3997	3656	3338	3042	2767	2512	2277	-0.8	0.0	-0.8	-3.3	-7.7	-14.2	-23.1	-0.8	+0.4	0.0	-2.1	-6.2	-12.3	-20.7
3997	3656	3338	3042	2767	2512	2277	-0.8	0.0	-0.8	-3.3	-7.7	-14.2	-23.1	-0.8	+0.4	0.0	-2.1	-6.2	-12.3	-20.7
4330	3854	3419	3023	2665	2341	2050	-0.8	0.0	-0.7	-3.1	-7.4	-13.9	-22.9	-0.8	+0.4	0.0	-2.0	-6.0	-12.1	-20.8
5023	4686	4367	4067	3783	3515	3262	-0.8	0.0	-0.3	-1.7	-4.3	-8.3	-13.7	-0.8	+0.1	0.0	-1.3	-3.8	-7.6	-12.9
5023	4522	4063	3642	3256	2903	2580	-0.8	0.0	-0.3	-1.9	-4.8	-9.2	-15.4	-0.8	+0.2	0.0	-1.4	-4.2	-8.5	-14.5
5036	4627	4244	3887	3553	3242	2953	-0.8	0.0	-0.5	-2.3	-5.6	-10.5	-17.2	-0.8	+0.2	0.0	-1.6	-4.7	-9.4	-15.9
5195	4848	4520	4211	3920	3644	3384	-0.8	0.0	-0.2	-1.6	-4.1	-7.9	-13.1	-0.8	+0.1	0.0	-1.2	-3.6	-7.3	-12.4
5195	4680	4208	3775	3378	3014	2681	-0.8	0.0	-0.3	-1.7	-4.5	-8.8	-14.8	-0.8	+0.1	0.0	-1.3	-4.0	-8.1	-13.9
5547	5180	4834	4507	4199	3908	3633	-0.8	0.0	-0.2	-1.4	-3.7	-7.2	-12.0	-0.8	+0.1	0.0	-1.1	-3.4	-6.8	-11.5
5410	4975	4570	4193	3839	3509	3202	-0.8	0.0	-0.3	-1.9	-5	-9.5	-15.7	-0.8	+0.1	0.0	-1.4	-4.2	-8.6	-14.6
4904	4227	3625	3094	2629	2228	1887	-0.8	0.0	-1.0	-4.2	-9.9	-18.5	-30.5	-0.8	+0.5	0.0	-2.6	-7.8	-15.9	-27.4
5115	4666	4248	3860	3500	3168	2863	-0.8	0.0	-0.9	-3.5	-8.2	-15.1	-24.4	-0.8	+0.4	0.0	-2.2	-6.5	-12.9	-21.8
5115	4516	3973	3483	3043	2651	2305	-0.8	0.0	-0.9	-3.8	-8.8	-16.5	-27.0	-0.8	+0.5	0.0	-2.4	-7.0	-14.2	-24.2
5115	4666	4248	3860	3500	3168	2863	-0.8	0.0	-0.9	-3.5	-8.2	-15.1	-24.4	-0.8	+0.4	0.0	-2.2	-6.5	-12.9	-21.8
5115	4516	3973	3483	3043	2651	2305	-0.8	0.0	-0.9	-3.8	-8.8	-16.5	-27.0	-0.8	+0.5	0.0	-2.4	-7.0	-14.2	-24.2
4895	4439	4018	3630	3275	2952	2651	-0.8	0.0	-1.4	-5.2	-11.6	-21.0	-33.6	-0.8	+0.7	0.0	-3.1	-8.8	-17.5	-29.5
4895	4190	3571	3032	2569	2180	1859	-0.8	0.0	-1.5	-5.7	-13.1	-24.3	-39.9	-0.8	+0.8	0.0	-3.5	-10.1	-20.5	-35.4
5872	5345	4856	4403	3985	3600	3248	-0.8	0.0	-1.0	-4.0	-9.2	-16.8	-27.1	-0.8	+0.5	0.0	-2.5	-7.2	-14.3	-24.1
5872	5057	4333	3696	3140	2662	2257	-0.8	0.0	-1.1	-4.5	-10.4	-19.4	-32.1	-0.8	+0.6	0.0	-2.8	-8.2	-16.7	-28.8
4895	4165	3527	2975	2506	2114	1796	-0.8	0.0	-1.5	-5.8	-13.3	-24.7	-40.	-0.8	+0.8	0.0	-3.5	-10.3	-20.9	-36.0
6130	5585	5079	4610	4176	3775	3408	-0.8	0.0	-0.9	-3.8	-8.7	-15.9	-25.7	-0.8	+0.8	0.0	-2.4	-6.8	-13.6	-22.9
4697	4277	3887	3525	3191	2884	2602	-0.8	0.0	-1.0	-4.0	-9.2	-16.8	-27.1	-0.8	+0.5	0.0	-2.5	-7.2	-14.3	-24.0
6694	5775	4958	4238	3608	3065	2604	-0.8	0.0	-1.1	-4.4	-10.4	-19.4	-31.9	-0.8	+0.6	0.0	-2.8	-8.2	-16.6	-28.6
5580	4786	4086	3477	2953	2510	2144	-0.8	0.0	-1.5	-5.7	-13.1	-24.2	-39.7	-0.8	+0.8	0.0	-3.4	-10.1	-20.4	-35.1
5641	4951	4331	3775	3282	2849	2473	-0.8	0.0	-1.2	-4.8	-11.1	-20.5	-33.4	-0.8	+0.6	0.0	-3.0	-8.6	-17.4	-29.7



AMMUNITION

APPENDIX

NOTES

HANDGUN AMMUNITION								
MGA	Match Grade Ammunition			T-BND	Tipped Bonded			
DEFENSE	Defense Ammunition			JHP	Jacketed Hollow Point			
				B-JHP	Bonded Jacketed Hollow Point			
							VELOCITY (FPS)	ENERGY (FT-LBS)
CARTRIDGE	BRAND	BULLET WEIGHT	BULLET STYLE	PART #	COUNT	FOR USE	MUZZLE	MUZZLE
9mm Luger	MGA	115	JHP	51285	20	Targets	1,170	350
	MGA	115	JHP	51017	50	Targets	1,170	350
	MGA	124	JHP	51286	20	Targets	1,150	364
	MGA	124	JHP	51054	50	Targets	1,150	364
9mm Luger +P	DEFENSE	124	B-JHP	38432	20	Personal Defense	1,200	396
	DEFENSE	124	T-BND	37151	20	Personal Defense	1,200	396
40 S&W	MGA	150	JHP	51283	20	Targets	1,110	410
	MGA	150	JHP	51181	50	Targets	1,110	410
	MGA	180	JHP	51279	20	Targets	1005	404
	MGA	180	JHP	51212	50	Targets	1005	404
	DEFENSE	200	B-JHP	39123	20	Personal Defense	1,000	444
	DEFENSE	200	T-BND	39515	20	Personal Defense	1,000	444
45 ACP (AUTO)	MGA	185	JHP	51278	20	Targets	915	343
	MGA	185	JHP	51271	50	Targets	915	343
	MGA	230	JHP	51277	20	Targets	850	368
	MGA	230	JHP	51284	50	Targets	850	368
45 ACP (AUTO) +P	DEFENSE	230	B-JHP	39645	20	Personal Defense	950	461
	DEFENSE	230	T-BND	39873	20	Personal Defense	950	461



NOTES

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