

UNLEADED  
UNFAILING  
UNBEATABLE

**BARNES**<sup>®</sup>



# BARNES BULLETS

## UNLEADED. UNFAILING. UNBEATABLE.™

Enhancing the future of hunting  
for generations to come.

*Randy and Coni Brooks, owners of Barnes Bullets, have made a lifelong commitment to focusing their time and efforts on the advancement and preservation of the shooting sports, as well as wildlife and habitat conservation.*

BARNES BULLETS

Commitment to the shooting industry has been paramount in the success of Barnes Bullets, ranging from financial support of industry organizations to product enhancements and new product introductions.

The finest technologies and facilities are incorporated into the production of Barnes products insuring quality, dependability and the finest performance for the user. Randy and Coni Brooks are in the field year-round conducting research and development tests for possible improvements to insure the best overall performance.

The Brooks are advocates of safe, responsible shooting and hunting practices, and share these activities with their children and grandchildren, as well as with fellow hunters.

The Brooks' simple approach to building better products and taking pride in the products their company has to offer has put Barnes out in front and Barnes remains the best choice for the discriminating hunter.



*Coni Brooks hunted Zimbabwe in 110 degree heat. It required 7 hours of tracking to take this 39-1/2" buffalo. She used a 500 Nitro and a 570 gr. Barnes XLC. A trophy well worth the effort.*

*Randy Brooks took this massive 10'4" Kodiak brown bear using a .416 Remington Magnum and a 325 grain X-Bullet.*





*Barnes Bullets has joined the sponsor list of the Irlene Mandrell Celebrity Shoot. The Shoot benefits the "Wish Upon A Star Foundation," aiding its efforts to help grant children with illnesses their special wish. Shooting shotguns is one of Coni's favorite hobbies.*

*Coni harvested this great mule deer in northern Utah. She took a 380-yard shot across the canyon and downed him using a .338 185 grain XLC coated X-Bullet.*



*Randy Brooks took this record-book elk hunting in New Mexico with Ross Johnson Outfitters in December 2003. The bull, which scored 394-6/8", was taken with Barnes Bullets' new 245-grain Spit-Fire MZ bullet from a Knight Disc Extreme muzzleloading rifle.*



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HOW TO READ BULLET TABLES

CALIBER	30 CAL.
DIAMETER	DIA. .308"
BULLET WEIGHT	WGT. 180 GR
BULLET TYPE	TYPE TSX BT
SECTIONAL DENSITY	S.D. .271
BALLISTIC COEFFICIENT	B.C. .552
CATALOG NUMBER	CAT. # 30846

- FNPSP.....Flat Nose Soft Point
- LRS.....Long Range Solid
- MAG.....Magnum
- MZ.....Muzzleloader Slug
- SPTF.....Spit-Fire MZ Muzzleloader Slug
- NIT.....Nitro
- VLC.....Varmint Lubricated Bullet
- VMTR.....Varmin-A-Tor Bullet
- TSX FB.....Triple-Shock Flat Base
- TSX BT.....Triple-Shock Boat Tail
- X BT.....X-Bullet Boat Tail
- X FB.....X-Bullet Flat Base
- X FN.....X-Bullet Flat Nose
- X PB.....X-Bullet Pistol Bullet
- XLC BT.....X-Lubricated Boat Tail
- XLC FB.....X-Lubricated Flat Base
- RNSP.....Round Nose Soft Point



# TRIPLE-SHOCK™ BARNES X-BULLET™

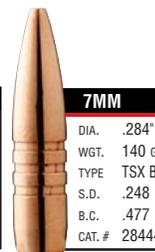
Greater velocity, lower pressure, and less fouling.

*The bullet that delivers a TRIPLE IMPACT – One when it first strikes game, another as the bullet begins opening, and a third devastating impact when the specially engineered cavity fully expands to deliver extra shock and maximum transferred energy.*



T R I P L E - S H O C K X - B U L L E T

- LESS FOULING
- BETTER ACCURACY
- GREATER VELOCITY
- LOWER PRESSURE
- All copper construction
- No fragmentation
- Penetrates 28% deeper than lead core bullets
- More one-shot kills
- High weight retention
- Razor sharp cutting edges for deeper penetration
- Available in factory ammunition

 <p><b>22 CAL.</b> <b>NEW</b></p> <p>DIA. .224" WGT. 53 GR TYPE TSX FB S.D. .151 B.C. .231 CAT. # 22443</p>	 <p><b>6MM</b> <b>NEW</b></p> <p>DIA. .243" WGT. 85 GR TYPE TSX BT S.D. .206 B.C. .333 CAT. # 24341</p>	 <p><b>25 CAL.</b></p> <p>DIA. .257" WGT. 100 GR TYPE TSX BT S.D. .216 B.C. .420 CAT. # 25742</p>	 <p><b>25 CAL.</b></p> <p>DIA. .257" WGT. 115 GR TYPE TSX FB S.D. .249 B.C. .429 CAT. # 25743</p>	 <p><b>6.5 CAL.</b> <b>NEW</b></p> <p>DIA. .264" WGT. 130 GR TYPE TSX FB S.D. .266 B.C. .479 CAT. # 26442</p>
 <p><b>270 CAL.</b></p> <p>DIA. .277" WGT. 130 GR TYPE TSX BT S.D. .242 B.C. .466 CAT. # 27742</p>	 <p><b>270 CAL.</b></p> <p>DIA. .277" WGT. 140 GR TYPE TSX BT S.D. .261 B.C. .497 CAT. # 27744</p>	 <p><b>7MM</b></p> <p>DIA. .284" WGT. 140 GR TYPE TSX BT S.D. .248 B.C. .477 CAT. # 28444</p>	 <p><b>7MM</b></p> <p>DIA. .284" WGT. 160 GR TYPE TSX FB S.D. .283 B.C. .508 CAT. # 28446</p>	 <p><b>30 CAL.</b></p> <p>DIA. .308" WGT. 150 GR TYPE TSX BT S.D. .226 B.C. .428 CAT. # 30841</p>
 <p><b>30 CAL.</b></p> <p>DIA. .308" WGT. 168 GR TYPE TSX BT S.D. .253 B.C. .476 CAT. # 30844</p>	 <p><b>30 CAL.</b></p> <p>DIA. .308" WGT. 180 GR TYPE TSX BT S.D. .271 B.C. .552 CAT. # 30846</p>	 <p><b>30 CAL.</b> <b>NEW</b></p> <p>DIA. .308" WGT. 200 GR TYPE TSX FB S.D. .301 B.C. .550 CAT. # 30848</p>	 <p><b>338 CAL.</b> <b>NEW</b></p> <p>DIA. .338" WGT. 185 GR TYPE TSX BT S.D. .231 B.C. .437 CAT. # 33843</p>	 <p><b>338 CAL.</b> <b>NEW</b></p> <p>DIA. .338" WGT. 225 GR TYPE TSX FB S.D. .281 B.C. .482 CAT. # 33846</p>



## Regular

## Unleaded™

Until the X-Bullet™ became available in 1989, most hunters used conventional jacketed lead-core bullets. On impact, these bullets become blunt blobs of lead and often come apart. The all-copper X-Bullet provides significantly better performance. It expands to twice its original diameter, retains its original weight and doesn't break up on impact. It delivers deep, reliable penetration that's deadly on game.



*This 308-180 gr. Triple-Shock Bullet was recovered from Devin's 1,600 lb. moose (pictured to the right) from 96 yards. The bullet had 99% weight retention.*

they've fired with other bullets. The Triple-Shock X-Bullet can be safely loaded to higher velocities and copper fouling is virtually eliminated.

The Triple-Shock X-Bullet is the newest lead-free bullet on the market. There's no other bullet like it.

In 2003, Barnes took the revolutionary X-Bullet™ one step further with the Triple-Shock™ X-Bullet. This new bullet has all the features of the original X-Bullet plus a redesigned cavity for improved effectiveness. A series of precisely positioned rings cut into the bullet's body reduce pressures and copper fouling, and significantly improve accuracy. Many shooters are reporting groups half the size



*Eileen Clarke, well-known hunter and outdoor writer, used a .257 Roberts firing a 100-grain Triple Shock X-Bullet to take this great Colorado antelope with a single shot at 310 yards.*



*Devin Antonovich, of Kimber Mfg., Inc., took this 9-1/2 year old 60" Yukon moose using a .300 Wby. and the 180 gr. Triple-Shock X-Bullet. Devin was one excited lucky hunter. The bull had many scars from battling with other moose and had survived a wolf attack. This hunt was Devin's graduation present from his father.*

T R I P L E - S H O C K X - B U L L E T

1 - 8 0 0 - 5 7 4 - 9 2 0 0



# THE ALL-COPPER BARNES X-BULLET™

Setting the industry standard for premium hunting bullets since 1989.



*The X-Bullet™ is praised by professional hunters and outdoor writers as the bullet that delivers "MORE ONE-SHOT KILLS" than any conventional lead-core bullet.*



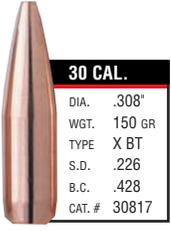
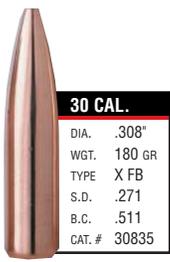
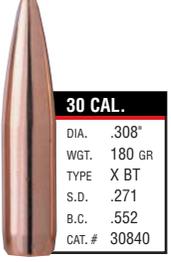
B A R N E S X - B U L L E T

*Jerry Smith recently hunted Tanzania with a .458 Lott loaded with 450-grain Barnes X-Bullets. Jerry took two Cape buffalo at 125 yards. Both were one-shot kills.*

- All copper construction
- No fragmentation
- Penetrates 28% deeper than lead core bullets
- Accurate
- High weight retention
- Razor sharp cutting edges for deeper penetration
- More one-shot kills

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B.C. .398																																							
CAT.# 30810																																							

BARNES X-BULLET

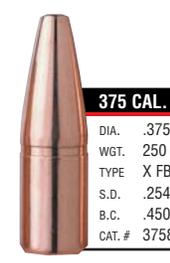
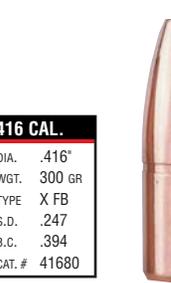
 <p><b>30 CAL.</b> DIA. .308" WGT. 150 GR TYPE X FB S.D. .226 B.C. .386 CAT.# 30815</p>	 <p><b>30 CAL.</b> DIA. .308" WGT. 150 GR TYPE X BT S.D. .226 B.C. .428 CAT.# 30817</p>	 <p><b>30/30 CAL.</b> DIA. .308" WGT. 150 GR TYPE X FN S.D. .226 B.C. .269 CAT.# 30819</p>	 <p><b>30 CAL.</b> DIA. .308" WGT. 165 GR TYPE X FB S.D. .248 B.C. .456 CAT.# 30825</p>	 <p><b>30 CAL.</b> DIA. .308" WGT. 165 GR TYPE X BT S.D. .248 B.C. .505 CAT.# 30827</p>
 <p><b>30 CAL.</b> DIA. .308" WGT. 180 GR TYPE X FB S.D. .271 B.C. .511 CAT.# 30835</p>	 <p><b>30 CAL.</b> DIA. .308" WGT. 180 GR TYPE X BT S.D. .271 B.C. .552 CAT.# 30840</p>	 <p><b>30 CAL.</b> DIA. .308" WGT. 200 GR TYPE X FB S.D. .301 B.C. .550 CAT.# 30845</p>	 <p><b>8MM</b> DIA. .323" WGT. 180 GR TYPE X FB S.D. .246 B.C. .382 CAT.# 32305</p>	 <p><b>338 CAL.</b> DIA. .338" WGT. 160 GR TYPE X FB S.D. .200 B.C. .337 CAT.# 33878</p>
 <p><b>338 CAL.</b> DIA. .338" WGT. 185 GR TYPE X BT S.D. .231 B.C. .437 CAT.# 33881</p>	 <p><b>338 CAL.</b> DIA. .338" WGT. 210 GR TYPE X BT S.D. .263 B.C. .471 CAT.# 33883</p>	 <p><b>338 CAL.</b> DIA. .338" WGT. 225 GR TYPE X FB S.D. .281 B.C. .482 CAT.# 33885</p>	 <p><b>338 CAL.</b> DIA. .338" WGT. 250 GR TYPE X FB S.D. .313 B.C. .521 CAT.# 33890</p>	 <p><b>35 CAL.</b> DIA. .358" WGT. 180 GR TYPE X FB S.D. .201 B.C. .298 CAT.# 35810</p>



270-130 grain X-Bullet  
Recovered from a whitetail  
100% weight retention



338-225 grain X-Bullet  
Recovered from a brown bear  
98% weight retention

 <p><b>35 CAL.</b> DIA. .358" WGT. 200 GR TYPE X FB S.D. .223 B.C. .346 CAT.# 35815</p>	 <p><b>9.3 CAL.</b> DIA. .366" WGT. 250 GR TYPE X FB S.D. .267 B.C. .428 CAT.# 36605</p>	 <p><b>9.3 CAL.</b> DIA. .366" WGT. 286 GR TYPE X FB S.D. .305 B.C. .468 CAT.# 36615</p>	 <p><b>375 CAL.</b> DIA. .375" WGT. 210 GR TYPE X FB S.D. .213 B.C. .341 CAT.# 37575</p>	 <p><b>375 CAL.</b> DIA. .375" WGT. 250 GR TYPE X FB S.D. .254 B.C. .450 CAT.# 37582</p>	 <p><b>375 CAL.</b> DIA. .375" WGT. 270 GR TYPE X FB S.D. .274 B.C. .503 CAT.# 37585</p>
 <p><b>375 CAL.</b> DIA. .375" WGT. 300 GR TYPE X FB S.D. .305 B.C. .555 CAT.# 37590</p>	 <p><b>405 WIN.</b> DIA. .411" WGT. 300 GR TYPE X FB S.D. .254 B.C. .313 CAT.# 41178</p>	 <p><b>416 CAL.</b> DIA. .416" WGT. 300 GR TYPE X FB S.D. .247 B.C. .394 CAT.# 41680</p>	 <p><b>416 CAL.</b> DIA. .416" WGT. 350 GR TYPE X FB S.D. .289 B.C. .521 CAT.# 41685</p>	 <p><b>416 CAL.</b> DIA. .416" WGT. 400 GR TYPE X FB S.D. .330 B.C. .546 CAT.# 41690</p>	 <p><b>458 MAG</b> DIA. .458" WGT. 300 GR TYPE X FB S.D. .204 B.C. .340 CAT.# 45802</p>
 <p><b>458 MAG</b> DIA. .458" WGT. 350 GR TYPE X FB S.D. .283 B.C. .402 CAT.# 45805</p>	 <p><b>458 MAG</b> DIA. .458" WGT. 450 GR TYPE X FB S.D. .306 B.C. .488 CAT.# 45818</p>	 <p><b>458 MAG</b> DIA. .458" WGT. 500 GR TYPE X FB S.D. .341 B.C. .526 CAT.# 45822</p>	 <p><b>45/70 CAL.</b> DIA. .458" WGT. 250 GR TYPE X FN S.D. .170 B.C. .172 CAT.# 45831</p>	 <p><b>45/70 CAL.</b> DIA. .458" WGT. 300 GR TYPE X FN S.D. .204 B.C. .204 CAT.# 45832</p>	 <p><b>50 CAL.</b> <b>NEW!</b> DIA. .510" WGT. 647 GR TYPE X BT S.D. .355 B.C. .592 CAT.# 51064</p>

BARNES X-BULLET JOIN "CLUB X" AT BARNESBULLETS.COM



# XLC™ COATED X-BULLETS™

The solid, dry film lubricated bullet for shooters looking for another edge in the field.



*The one bullet that delivers better shooting accuracy and cooler barrels.*



X L C C O A T E D X - B U L L E T

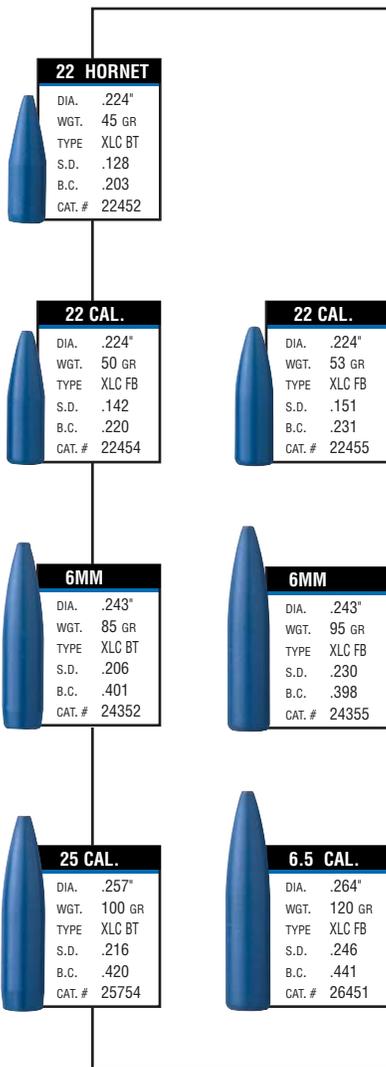
*Cole Peck with the magnificent 9-foot, 10-inch brown bear he hunted so hard for on Alaska's Unimak Island. Cole killed his bear with a .338 Ultra Mag firing a 225-grain Barnes XLC bullet.*



*Fifteen-year-old Megan Gygi drew a Utah Youth Hunter Tag in 2003. Guided by her father, she used a 7mm rifle and a 160-grain Barnes XLC bullet to take this beautiful trophy. She's one happy young lady.*

## XLC™ X-Bullet Features

- Coating reduces pressure & fouling
- Coating is permanent (not moly)
- Coating keeps barrels cooler
- Coating enhances accuracy
- Coating does not coat the bore
- Coating increases velocity
- Available in factory ammunition
- X-Bullet technology
- All copper construction
- No fragmentation
- Razor sharp cutting edges for deeper penetration
- More one-shot kills



# TECHNICAL HIGHLIGHTS



6.5 CAL.	
DIA.	.264"
WGT.	140 GR
TYPE	XLC FB
S.D.	.287
B.C.	.522
CAT. #	26453



270 CAL.	
DIA.	.277"
WGT.	130 GR
TYPE	XLC BT
S.D.	.242
B.C.	.466
CAT. #	27754



7MM	
DIA.	.284"
WGT.	140 GR
TYPE	XLC BT
S.D.	.248
B.C.	.477
CAT. #	28455



7MM	
DIA.	.284"
WGT.	160 GR
TYPE	XLC FB
S.D.	.283
B.C.	.508
CAT. #	28458



30 CAL.	
DIA.	.308"
WGT.	130 GR
TYPE	XLC BT
S.D.	.196
B.C.	.374
CAT. #	30851



30 CAL.	
DIA.	.308"
WGT.	150 GR
TYPE	XLC BT
S.D.	.226
B.C.	.428
CAT. #	30854



30 CAL.	
DIA.	.308"
WGT.	165 GR
TYPE	XLC BT
S.D.	.248
B.C.	.505
CAT. #	30857



30 CAL.	
DIA.	.308"
WGT.	168 GR
TYPE	XLC BT
S.D.	.253
B.C.	.476
CAT. #	30856



30 CAL.	
DIA.	.308"
WGT.	180 GR
TYPE	XLC FB
S.D.	.271
B.C.	.511
CAT. #	30858



30 CAL.	
DIA.	.308"
WGT.	180 GR
TYPE	XLC BT
S.D.	.271
B.C.	.552
CAT. #	30859



8MM	
DIA.	.323"
WGT.	200 GR
TYPE	XLC FB
S.D.	.274
B.C.	.429
CAT. #	32312



338 CAL.	
DIA.	.338"
WGT.	185 GR
TYPE	XLC BT
S.D.	.231
B.C.	.437
CAT. #	33854



338 CAL.	
DIA.	.338"
WGT.	210 GR
TYPE	XLC BT
S.D.	.263
B.C.	.471
CAT. #	33856



338 CAL.	
DIA.	.338"
WGT.	225 GR
TYPE	XLC FB
S.D.	.281
B.C.	.482
CAT. #	33855



35 CAL.	
DIA.	.358"
WGT.	225 GR
TYPE	XLC FB
S.D.	.251
B.C.	.405
CAT. #	35826



375 CAL.	
DIA.	.375"
WGT.	235 GR
TYPE	XLC FB
S.D.	.239
B.C.	.400
CAT. #	37553



375 CAL.	
DIA.	.375"
WGT.	270 GR
TYPE	XLC FB
S.D.	.274
B.C.	.503
CAT. #	37557



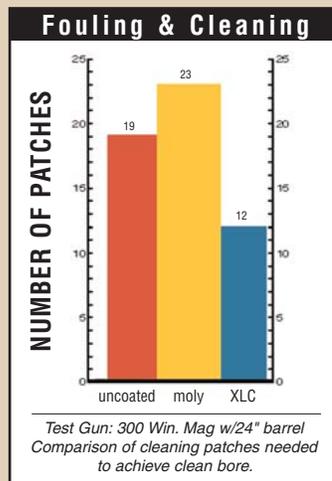
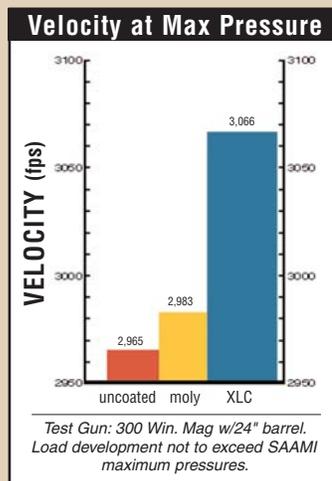
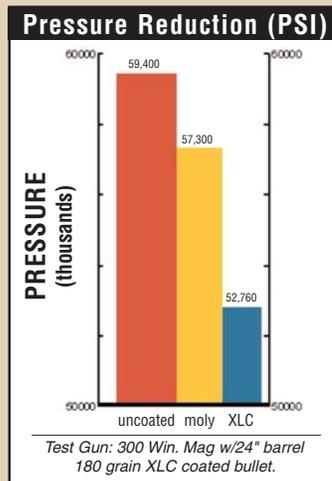
416 CAL.	
DIA.	.416"
WGT.	400 GR
TYPE	XLC FB
S.D.	.330
B.C.	.546
CAT. #	41658



470 NITRO	
DIA.	.475"
WGT.	500 GR
TYPE	XLC FB
S.D.	.317
B.C.	.318
CAT. #	47550



50 CAL.	
DIA.	.509"
WGT.	570 GR
TYPE	XLC FB
S.D.	.314
B.C.	.317
CAT. #	50957



X L C C O A T E D X - B U L L E T

1 - 8 0 0 - 5 7 4 - 9 2 0 0



# EXPANDER MZ™ MUZZLELOADER BULLETS

With only one shot available, it better be with the best.



*The Barnes Expander MZ™ Muzzleloader Bullet – Recommended and used by most in-line muzzle-loader manufacturers.*



BARNES EXPANDER MZ

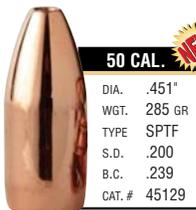
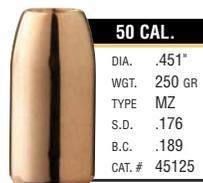
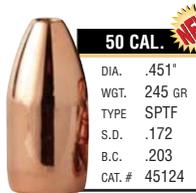
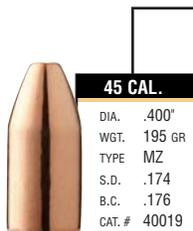
Travis Roundy does a lot of mule deer hunting. "I've taken every animal with Barnes' .50-caliber 250-grain Expander MZ bullet," he says. "They've all gone down immediately, and the bullets have always completely penetrated the deer. Thanks for making a great muzzleloader bullet."

## Expander MZ™ Bullet Features

- 100% weight retention
- All copper
- Highly accurate
- Razor sharp cutting edges for deeper penetration and quick knockdown power
- Recommended for most in-line rifles
- Works at high and low velocities
- Rapid expansion
- No fragmentation

**Q. At what velocity can I expect the Expander MZ™ Muzzleloader Bullet to open?**

**A.** Our muzzleloader bullet is function tested to begin expanding at 1000 F.P.S.





**NEW**

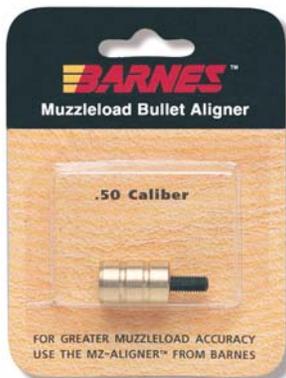
**NEW FROM BARNES FOR 2004**

Introducing the **Barnes Spit-Fire MZ™** muzzleloader bullet — an all-new long-range spitzer boattail design that delivers flatter-shooting, harder-hitting performance. It's also quicker and easier to load. The .50-caliber Spit-Fire MZ is currently offered in 245- and 285-grain bullet weights.



The Expander MZ™ Bullet is available in 45, 50 and 54 caliber. Offered in 10 and 25 packs.

The Alignment Tool will enhance the accuracy of the Barnes Expander MZ™ Bullet. The MZ™ Aligner Tool is available in 45, 50 and 54 caliber.



**45 CAL. ALIGNER**  
CAT. # 04500



**50 CAL. ALIGNER**  
CAT. # 05000  
**SPIT-FIRE™ MZ ALIGNER**  
CAT. # 05005



**54 CAL. ALIGNER**  
CAT. # 05400



Greg Miller, a Barnes Advisory Staff member, hunted Canada's Northwest Territories with Nahanni Butte Outfitters. Greg had a great hunt, and was lucky enough to take this beautiful mountain caribou he killed at 165 yards. After penetrating 24 inches, the 195-grain .45 caliber Expander MZ bullet mushroomed perfectly, retaining 100 percent of its original weight. "I don't see how a bullet could perform any better," says Greg.

**Q. What is the MZ Alignment Tool and how does it work?**

**A.** The alignment tool is made to screw on the end of your ramrod. It has the exact ogive shape of the Barnes Expander MZ™ Bullet, therefore ensuring perfect alignment of the bullet in the sabot, as well as enhancing overall shooting accuracy.



# BARNES BURNER™ VLC™ VARMINT BULLET

Solid dry film coating for  
ultra-high velocity firing.



**BLUE = FWD**



B A R N E S B U R N E R V L C

*Bryce Towsley, renowned outdoor writer and shooting enthusiast, joined the Western Powders Prairie Dog Shoot, which Barnes co-sponsor in Montana. Barnes' Varmin-A-Tor and VLC Bullets were the hit of the shoot, pleasing hunters and accounting for plenty of prairie dogs.*



*The camera just happened to catch the mist created by the Varmin-A-Tor Bullet on its way to a distant target.*

22 CAL.	
DIA.	.224"
WGT.	40 GR
TYPE	VLC
S.D.	.114
B.C.	.175
CAT. #	22449

22 CAL.	
DIA.	.224"
WGT.	50 GR
TYPE	VLC
S.D.	.142
B.C.	.217
CAT. #	22459

6MM	
DIA.	.243"
WGT.	58 GR
TYPE	VLC
S.D.	.140
B.C.	.191
CAT. #	24349

6MM	
DIA.	.243"
WGT.	72 GR
TYPE	VLC
S.D.	.174
B.C.	.244
CAT. #	24359

### Barnes Burner™ VLC Bullet Features

- Highly explosive
- Permanent Coating – (not moly)
- Less friction – more velocity
- Cooler barrels
- Jacketed lead-core H.P.
- Bench rest accuracy
- Cheap to shoot
- Available in 100 and 250 packs



# BARNES BURNER™ VARMIN-A-TOR™ BULLET

Taking varmint hunting to new extremes in explosive accuracy.



BARNES VARMIN-A-TOR



LOOKS AS GOOD  
ON PAPER  
AS IT DOES  
IN THE FIELD



BARNES VARMIN-A-TOR

## Barnes Burner™ Varmin-A-Tor™ Bullet Features

- Bench rest accuracy
- Highly explosive
- Uncoated
- Scored nose cavity
- Jacketed lead-core H.P.
- Cheap to shoot
- Available in 100 and 250 packs

22 CAL.	
DIA.	.224"
WGT.	40 GR
TYPE	VMTR
S.D.	.114
B.C.	.175
CAT. #	22429

22 CAL.	
DIA.	.224"
WGT.	50 GR
TYPE	VMTR
S.D.	.142
B.C.	.217
CAT. #	22439

6MM	
DIA.	.243"
WGT.	58 GR
TYPE	VMTR
S.D.	.140
B.C.	.191
CAT. #	24329

6MM	
DIA.	.243"
WGT.	72 GR
TYPE	VMTR
S.D.	.174
B.C.	.244
CAT. #	24339

*Coni Brooks, at the Western Powders Prairie Dog Shoot in Montana, trying out the .223 Winchester Super Short Magnum cartridge with Barnes' 50-grain .22-caliber Varmin-A-Tor Bullets.*



The Barnes Burner Varmin-A-Tor™ Bullet has all the accuracy and explosive performance sought by varmint shooters, and at the right price – CHEAP!

A scored nose cavity and thin, tapered jacket means that this bullet will vaporize anything in its path.

1 - 8 0 0 - 5 7 4 - 9 2 0 0



# XPB™ PISTOL BULLETS

Deliver more energy than any other pistol bullet you can buy.



*The all-copper XPB Pistol Bullet increases penetration by 25% over lead-core bullets, while remaining intact. Expands like no other bullet in the world.*



X P B P I S T O L B U L L E T

*This Blue Wildebeest was taken by Tim Janzen while hunting the northern Cape of South Africa with Constantia Safaris. Tim, head of research and development at Barnes Bullets, used a 325-grain Barnes XPB Bullet to drop this fine animal with one shot.*

 <p><b>9 MM</b> <span style="color:red">NEW</span></p> <p>DIA. .355" WGT. 115 GR TYPE XPB S.D. .130 B.C. .167 CAT. # 35515</p>	 <p><b>40 S&amp;W</b> <span style="color:red">NEW</span></p> <p>DIA. .400" WGT. 155 GR TYPE XPB S.D. .138 B.C. .189 CAT. # 40055</p>	 <p><b>44 MAG.</b></p> <p>DIA. .429" WGT. 200 GR TYPE XPB S.D. .155 B.C. .172 CAT. # 42920</p>	 <p><b>44 MAG.</b></p> <p>DIA. .429" WGT. 225 GR TYPE XPB S.D. .175 B.C. .195 CAT. # 42922</p>
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 <p><b>45 LONG COLT</b></p> <p>DIA. .451" WGT. 225 GR TYPE XPB S.D. .158 B.C. .146 CAT. # 45120</p>	 <p><b>45 ACP</b> <span style="color:red">NEW</span></p> <p>DIA. .451" WGT. 185 GR TYPE XPB S.D. .130 B.C. .167 CAT. # 45185</p>
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 <p><b>454 CASULL</b></p> <p>DIA. .451" WGT. 250 GR TYPE XPB S.D. .176 B.C. .141 CAT. # 45123</p>	 <p><b>480 RUGER 475 LINEBAUGH</b></p> <p>DIA. .475" WGT. 275 GR TYPE XPB S.D. .174 B.C. .155 CAT. # 48010</p>
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 <p><b>50 CAL.</b> <span style="color:red">NEW</span></p> <p>DIA. .500" WGT. 275 GR TYPE XPB S.D. .157 B.C. .141 CAT. # 50025</p>	 <p><b>50 CAL.</b> <span style="color:red">NEW</span></p> <p>DIA. .500" WGT. 325 GR TYPE XPB S.D. .186 B.C. .228 CAT. # 50026</p>	 <p><b>50 CAL.</b> <span style="color:red">NEW</span></p> <p>DIA. .500" WGT. 375 GR TYPE XPB S.D. .214 B.C. .261 CAT. # 50028</p>
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## XPB™ Pistol Bullet Features

- X-Bullet technology
- Increased penetration over jacketed lead-core bullets
- Expands like no other
- Superior weight retention
- Available in factory ammunition



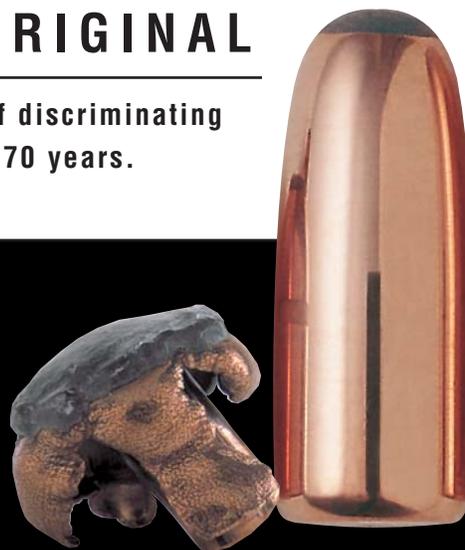
*Tim Janzen took this nice Zebra using a .325-grain .500-caliber XPB bullet. The recovered bullets from his Blue Wildebeest and the Zebra both retained virtually 100% of their original weight and expanded to more than 0.97-inch in diameter.*



## COPPER-JACKET/LEAD CORE BARNES ORIGINAL

The preferred bullet of discriminating hunters for more than 70 years.

*In 1932, this bullet started it all. Designed to the personal specifications of Fred Barnes for his own use on big game, the Barnes Original quickly gained favor in circles of serious hunters for its stopping power.*



BARNES ORIGINALS

**6 MM**

DIA.	.243"
WGT.	115 GR
TYPE	RNSP
JCKT.	.030"
S.D.	.290
B.C.	.322
CAT. #	24330

**348 WIN.**

DIA.	.348"
WGT.	220 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.260
B.C.	.301
CAT. #	34805

**348 WIN.**

DIA.	.348"
WGT.	250 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.295
B.C.	.327
CAT. #	34810

**375 WIN.**

DIA.	.375"
WGT.	255 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.259
B.C.	.290
CAT. #	375W20

**38/55 CAL.**

DIA.	.375"
WGT.	255 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.259
B.C.	.290
CAT. #	38/5510

**38/55 CAL.**

DIA.	.377"
WGT.	255 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.256
B.C.	.290
CAT. #	38/5520

**401 WIN.**

DIA.	.406"
WGT.	250 GR
TYPE	RNSP
JCKT.	.032"
S.D.	.217
B.C.	.241
CAT. #	40610

**40/65 WIN.**

DIA.	.406"
WGT.	250 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.217
B.C.	.190
CAT. #	40611

**45/70 CAL.**

DIA.	.458"
WGT.	300 GR
TYPE	SSP
JCKT.	.032"
S.D.	.204
B.C.	.291
CAT. #	457010

**45/70 CAL.**

DIA.	.458"
WGT.	300 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.204
B.C.	.227
CAT. #	457020

**45/70 CAL.**

DIA.	.458"
WGT.	400 GR
TYPE	SSP
JCKT.	.032"
S.D.	.272
B.C.	.389
CAT. #	457030

**45/70 CAL.**

DIA.	.458"
WGT.	400 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.272
B.C.	.302
CAT. #	457040

**458 MAG.**

DIA.	.458"
WGT.	600 GR
TYPE	RNSP
JCKT.	.049"
S.D.	.409
B.C.	.454
CAT. #	45860

**50/110 WIN.**

DIA.	.510"
WGT.	300 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.165
B.C.	.183
CAT. #	5011010

**50/110 WIN.**

DIA.	.510"
WGT.	450 GR
TYPE	FNSP
JCKT.	.032"
S.D.	.247
B.C.	.274
CAT. #	5011020

- First custom-made bullet for handloaders
- Thick, copper jacket and pure lead core
- Expands to 200% of its original diameter
- Expands at 1600-1900 FPS
- Retains 70-90% of its original weight

BARNES ORIGINALS

JOIN "CLUB X" AT BARNESBULLETS.COM



# BARNES SOLIDS

Unbeatable stopping power for hunting dangerous game.



*Barnes' round-nose solids are made of copper/zinc alloy for deep penetrating, and bone-shattering performance on dangerous game. The homogeneous metal will not disintegrate or deflect upon impacting bone.*

B A R N E S S O L I D S

- Made of tough copper/zinc alloy
- Penetrates dangerous game like no other
- Good for varmints and fur bearing animals
- Will not disintegrate or deflect when striking bone
- Made in round nose and spitzer design.
- Offered in 22 to .600 Nitro calibers
- Also offered in .50 cal. BMG for long range shooting
- Holds the world accuracy record at 1000 yards

22 CAL.	
DIA.	.224"
WGT.	45 GR
TYPE	Solid
S.D.	.128
B.C.	.212
CAT. #	22401

22 CAL.	
DIA.	.224"
WGT.	50 GR
TYPE	Solid
S.D.	.142
B.C.	.235
CAT. #	22402

6MM	
DIA.	.243"
WGT.	75 GR
TYPE	Solid
S.D.	.181
B.C.	.330
CAT. #	24301

25 CAL.	
DIA.	.257"
WGT.	90 GR
TYPE	Solid
S.D.	.195
B.C.	.324
CAT. #	25720

7MM	
DIA.	.284"
WGT.	100 GR
TYPE	Solid
S.D.	.177
B.C.	.343
CAT. #	28401

30 CAL.	
DIA.	.308"
WGT.	110 GR
TYPE	Solid
S.D.	.166
B.C.	.337
CAT. #	30811

30 CAL.	
DIA.	.308"
WGT.	125 GR
TYPE	Solid
S.D.	.188
B.C.	.372
CAT. #	30812

30 CAL.	
DIA.	.308"
WGT.	165 GR
TYPE	Solid
S.D.	.248
B.C.	.481
CAT. #	30822

30 CAL.	
DIA.	.308"
WGT.	220 GR
TYPE	Solid
S.D.	.331
B.C.	.305
CAT. #	30842



<b>338 CAL.</b>	
DIA.	.338"
WGT.	250 GR
TYPE	Solid
S.D.	.313
B.C.	.326
CAT. #	33825



<b>9.3 CAL.</b>	
DIA.	.366"
WGT.	286 GR
TYPE	Solid
S.D.	.305
B.C.	.342
CAT. #	36612



<b>375 CAL.</b>	
DIA.	.375"
WGT.	270 GR
TYPE	Solid
S.D.	.274
B.C.	.284
CAT. #	37512



<b>375 CAL.</b>	
DIA.	.375"
WGT.	300 GR
TYPE	Solid
S.D.	.305
B.C.	.307
CAT. #	37525



<b>416 CAL.</b>	
DIA.	.416"
WGT.	350 GR
TYPE	Solid
S.D.	.289
B.C.	.364
CAT. #	41628



<b>416 CAL.</b>	
DIA.	.416"
WGT.	400 GR
TYPE	Solid
S.D.	.330
B.C.	.388
CAT. #	41660



<b>458 MAG.</b>	
DIA.	.458"
WGT.	400 GR
TYPE	Solid
S.D.	.272
B.C.	.321
CAT. #	45825



<b>458 MAG.</b>	
DIA.	.458"
WGT.	500 GR
TYPE	Solid
S.D.	.341
B.C.	.394
CAT. #	45855



<b>577 NITRO</b>	
DIA.	.585"
WGT.	750 GR
TYPE	Solid
S.D.	.313
B.C.	.351
CAT. #	58520



<b>600 NITRO</b>	
DIA.	.620"
WGT.	900 GR
TYPE	Solid
S.D.	.334
B.C.	.380
CAT. #	62020



<b>50 BMG</b>	
DIA.	.510"
WGT.	750 GR
TYPE	Solid
S.D.	.412
B.C.	1.070
CAT. #	510750A



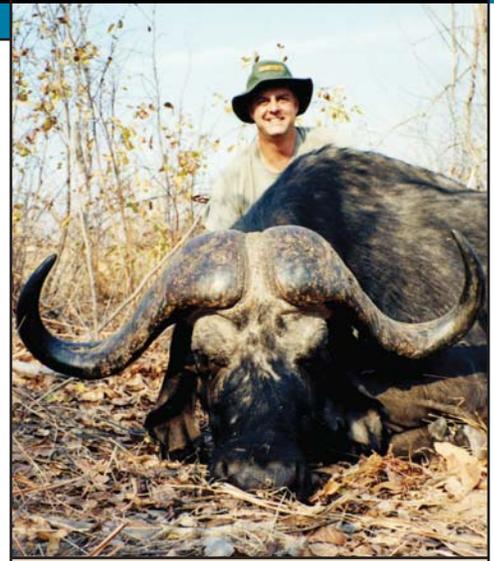
<b>50 BMG</b>	
DIA.	.510"
WGT.	750 GR
TYPE	Solid
S.D.	.412
B.C.	1.070
CAT. #	510750



<b>50 BMG</b>	
DIA.	.510"
WGT.	750 GR
TYPE	Solid
S.D.	.412
B.C.	0.766
CAT. #	510750T



<b>50 BMG</b>	
DIA.	.510"
WGT.	800 GR
TYPE	Solid
S.D.	.439
B.C.	1.095
CAT. #	510800A



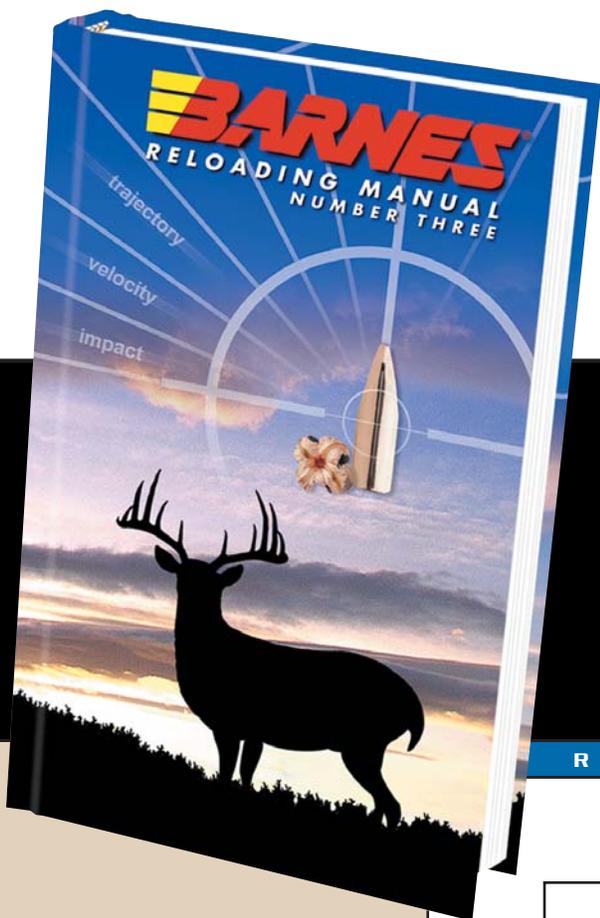
*David Cobb hunted the Dande with Swainson's Safaris in Zimbabwe and took this awesome 40-inch Cape buffalo. He used a .375 H&H rifle and the 300-grain Barnes Solid.*



*Bill Scheg with the elephant he took using a .375 H&H rifle and a 300-grain Barnes Solid. The ivory measured 61" and 63" in length, and 17" in circumference at the lip line. We are definitely envious of this trophy of a lifetime.*

BARNES SOLIDS

1-800-574-9200



# THE PREMIER GUIDE FOR BULLET RELOADERS

Contains everything you need to know to maximize the performance of Barnes Bullets.

*"The Reloading Manual Number 3 is written for hunters by hunters. It is a culmination of various perspectives from different parts of the world and all walks of life."*

**Randy Brooks,  
President  
Barnes Bullets**

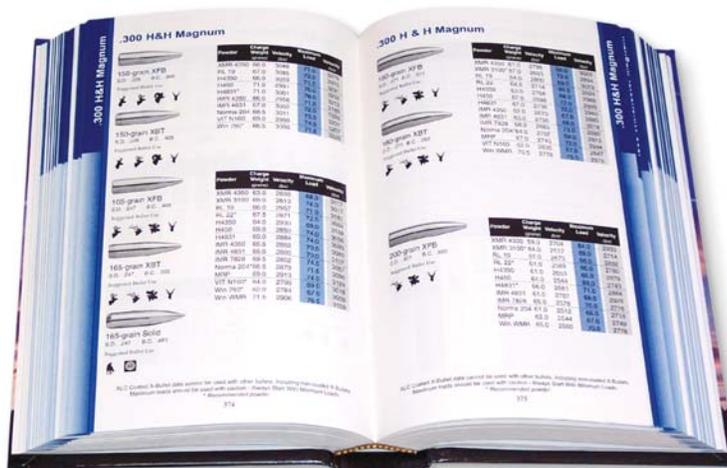
R E L O A D I N G M A N U A L N O . 3

The Barnes Reloading Manual Number 3 is more than 750 pages of the most useful information for both the novice and experienced shooter. This comprehensive manual features:

- New cartridge data
- XLC and VLC data
- Helpful tips and how-to articles by experienced and practical shooters
- Accuracy loads noted
- Easy-to-read charts and load tables
- Stunning full-color photos of hunters and their trophies.



*Colton Spencer had a great first big game hunt using a .270 Winchester and the 130 gr. Triple Shock X-Bullet. After spending a little time at the loading bench with his father, they worked up a load that shot well under an inch. Colton confidently made a 180 yard shot at this fantastic mule deer.*



# BARNES BULLETS FOR THOSE WHO DON'T RELOAD

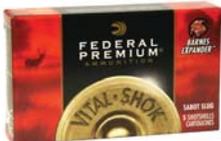
## FEDERAL PREMIUM AMMUNITION

- 25-06 REM 100 GR. TRIPLE-SHOCK
- 270 WIN. 130 GR. TRIPLE-SHOCK
- 270 WSM 130 GR. TRIPLE-SHOCK
- 7MM REM. MAG 160 GR. TRIPLE-SHOCK
- 7MM WSM 160 GR. TRIPLE-SHOCK
- 308 WIN. 150 GR. TRIPLE-SHOCK
- 30-06 - 180- GR. TRIPLE-SHOCK
- 300 WIN. MAG 180 GR. TRIPLE-SHOCK
- 300 WSM 180 GR. TRIPLE-SHOCK
- 338 WIN. MAG 225 GR. TRIPLE-SHOCK



## FEDERAL PREMIUM SHOTGUN SLUG

- 12 GAUGE 2-3/4" 3/4 OZ. BARNES EXPANDER SGS
- 12 GAUGE 2-3/4" 1 OZ. BARNES EXPANDER SGS
- 12 GAUGE 3" 1 OZ. BARNES EXPANDER SGS
- 20 GAUGE 3" 3/4 OZ. BARNES EXPANDER SGS



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## PMC GOLD LINE AMMUNITION

- 223 REM. 53 GR. XLC
- 22-250 REM. 50 GR. XLC
- 243 WIN. 85 GR. XLC
- 25-06 REM. 100 GR. XLC
- 270 WIN. 130 GR. XLC
- 270 WIN. 150 GR. XLC
- 7MM REM. MAG. 140 GR. XLC
- 7MM REM. MAG. 160 GR. XLC
- 308 WIN. 150 GR. XLC; 308 WIN. 168 GR. XLC
- 30-06 150 GR. XLC; 30-06 168 GR. XLC; 30-06 180 GR. XLC
- 300 WIN. MAG. 150 GR. XLC; 300 WIN. MAG. 180 GR. XLC
- 338 WIN. MAG. 225 GR. XLC
- 375 H&H MAG. 270 GR. XLC; 375 H&H MAG. 300 GR. XLC



[www.pmcammo.com](http://www.pmcammo.com)

## SAKO RIFLE AMMUNITION

- 222 REM. 50 GR. X-BULLET
- 308 WIN. 165 GR. X-BULLET
- 30-06 - 180 GR. X-BULLET
- 9.3 x 62 250 GR. X-BULLET
- 9.3 x 74R 250 GR. X-BULLET
- 9.3 x 62 SAKO 286 GR. X-BULLET
- 9.3 x 62 SAKO 286 GR. SOLID



[www.sako.fi](http://www.sako.fi)



## BLACK HILLS AMMUNITION

- 270 130 GR. BARNES XLC
- 308 WIN. 168 GR. BARNES XLC
- 30-06 180 GR. BARNES XLC
- 300 WIN. 180 GR. BARNES XLC

[www.black-hills.com](http://www.black-hills.com)

## WEATHERBY AMMUNITION

- 240 WBY 90 GR. X-BULLET
- 257 WBY 115 GR. X-BULLET
- 270 WBY 140 GR. X-BULLET
- 7MM WBY 150 GR. X-BULLET
- 300 WBY 180 GR. X-BULLET
- 340 WBY 225 GR. X-BULLET
- 30-378 WBY 180 GR. X-BULLET
- 30-378 WBY 225 GR. X-BULLET
- 378 WBY 270 GR. X-BULLET
- 416 WBY 350 GR. X-BULLET
- 460 WBY 450 GR. X-BULLET
- 338-378 WBY 225 GR. X-BULLET

[www.weatherby.com](http://www.weatherby.com)



## COR-BON XPB AMMUNITION

[www.corbon.com](http://www.corbon.com)

## CR-10 Bore Cleaner:

- Removes heavy copper and powder residue
- Aggressive cleaning action
- Non-corrosive
- Won't harm barrels
- Leaves rifling clean for better accuracy and longer barrel life
- Maintains barrel accuracy



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There's a new bullet on the market, and it's going to get the attention of a lot of serious sportsmen. It was designed by Randy Brooks, co-owner with his wife Cori, of Barnes Bullets, and inventor of the original X-Bullet™. After extensive development and field testing, the original X-Bullet first appeared on the market in 1989. It was so successful Winchester adopted a very similar design four years later and called its version the Fair S&W.

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**Q. How do I adjust seating depth to improve accuracy?**

A. Because X, XLC, and Triple-Shock X-Bullets are solid copper, their pressure characteristics differ from other conventional jacketed bullets. In our lab, we found best pressures and accuracy when bullets are seated .030" to .070" from the lands (grooves or rifling) of a rifle. Most of the time, optimum conditions are experienced at .050" off the lands, so start there. Then move backward or forward in .005"-.010" increments to find the "sweet spot" for your particular rifle.

**Q. What kind of accuracy can I expect with Barnes X, XLC, and Triple-Shock X- Bullets?**

A. All three styles of X-Bullets have no separate jacket and core, which eliminates the concentricity problems that occur with conventional lead-core bullets. Properly handloaded, X, XLC, and Triple-Shock X-Bullets deliver excellent accuracy. We receive phone calls and e-mails daily from customers who report groups as good or better than they've ever obtained from their hunting rifles.

**Q. Will the pure copper X-Bullets cause increased copper fouling in my rifle's bore?**

A. The X-Bullets are made of pure copper, they're heat treated in a way that reduces fouling. If you begin with a clean bore, the X-Bullets shouldn't cause any significant increase in fouling. We suggest that you thoroughly clean your barrel with an aggressive copper remover (Barnes CR-10 or Sweets 7.62). Our solid copper X-Bullets are made of a softer material than used on jacketed bullets. Be sure to clean out any jacket fouling in your barrel before you shoot any of the three styles of X-Bullets.

**Q. What kind of penetration can I expect with all three X-Bullet designs?**

A. Our tests have shown that all of the X-Bullets can be expected to penetrate 28 percent deeper than lead-core bullets. This is attributed to the X-Bullet's high weight retention and superior expansion design. While lead-core bullets expand to produce a relatively smooth mushroom shape, the frontal section of the X, XLC, or Triple-Shock X-Bullet peels back to form four sharp-edged copper petals. These petals help the X-Bullets slice its way through game, contributing to superior penetration.

**Q. Can I shoot all three X-Bullet styles in my single-shot pistol?**

A. Because the X-Bullets open at velocities as low as 1600 to 1800 fps, it is the ideal choice for single-shot hunting pistols. Unlike conventional pistol bullets designed for handgun velocities, the X-Bullets also perform well at magnum speeds.

**Q. If I shoot any style of the X-Bullet at high velocity, will it come apart like lead-core bullets often do?**

A. Because of its heat-treated solid copper design, the X-Bullets remain in one piece, retaining nearly 100 percent of their weight, even at extreme velocities.

**Q. When I use X, XLC, or Triple-Shock X-Bullets, should I choose a lighter bullet than I'd normally use?**

A. Because all of the X-Bullets retain nearly 100% of their original weight and penetrate so well, many shooters select a lighter-weight X-Bullet than a conventional jacketed bullet. The lighter X-Bullets provide higher velocities and a flatter trajectory, and still outperform heavier bullets of conventional design.

**Q. Will the X-Bullet's longer length cause an increase in pressure when I shoot my rifle?**

A. Because X-Bullets are made of pure copper, which has a lighter specific gravity than lead, they're longer than conventional bullets of the same weight. We've done extensive pressure testing and have found that our Triple-Shock X-Bullets cause no significant increase in pressure; the XLC Bullets reduce pressure, while the original X-Bullets may create slightly higher pressures. Handloaders should be aware of these differences when working up loads for these state-of-the-art bullets.

*Note: Whenever a major handloading component is changed, it's necessary to reduce the powder charge, and then work up to maximum safe levels.*

**Q. At what velocity will the X, XLC, and the Triple-Shock X-Bullet's cavity open up?**

A. All X-Bullets designed for rifles begin to open up and expand at impact velocities as low as 1400 to 1800 fps, regardless of caliber. Expander MZ muzzleloader bullets begin expanding at 1000 fps, while XPB pistol bullets function properly beginning at 650 to 900 fps. Barnes Expander shotgun slugs deliver optimum performance at velocities as low as 900 fps. All bullets are carefully tested to ensure they meet these minimum standards.

**Q. Will all of the X-Bullet styles open up on light-skinned game like antelope and deer?**

A. All X-Bullets, including the XLC and new Triple-Shock X-Bullets, have a hollow cavity that extends back from the nose approximately 1/3 of the bullet's length. When the bullet strikes game, a hydraulic effect is immediately created, forcing the cavity open. The nose peels back into its characteristic "X" shape, which causes a devastating wound channel without affecting penetration. Hunters report perfect expansion on animals as small as African dik dik (measuring only 5 inches in body width), as well as on western coyotes. While the bullet passes completely through the animal, little energy is actually wasted. The X-Bullets are a highly efficient killer of both heavy and light-skinned game.

**Q. In the Barnes reloading manual, how does the reloading data compare to that suggested by other manufacturers.**

A. Unlike conventional lead-core bullets, X-Bullets are solid copper. Because of their different characteristics, our suggested loads are typically lighter. Therefore, we always recommend using data listed in the Barnes Reloading Manual whenever possible.

**Q. Why does Barnes offer a coated bullet, and how will the coating affect my shooting?**

A. The proprietary coating Barnes applies to XLC and VLC bullets brings a revolutionary new technology to shooting. This super high-tech dry film lubricant reduces friction in the bore, significantly reduces copper fouling, and increases velocity by up to 200 fps. Our tests have shown that using XLC-coated bullets allows your rifle to shoot cooler, making it possible to fire more shots between cleanings. XLC-coated bullets will do far more to prolong the life of your firearm and help you shoot better groups than any "home applied" coating will.

**Q. Is the coating on the XLC and VLC bullets moly coating?**

A. No. We experimented with molybdenum-based coatings in our lab and found no consistent benefits. That's the reason why we co-developed our own formula—a solid dry film we call our proprietary XLC and VLC lubricant coating.

**Q. Will shooting lubricant coated bullets build up a coating in my barrel?**

A. No. One of the major benefits our proprietary dry film coating offers is that it won't coat the bore of your barrel. It's designed to burn clean, and won't leave any residue in your bore. We've fired thousands of XLC and VLC bullets through our test barrels without experiencing any coating build-up.

**Q. How do I get lubricant coating out of my barrel?**

A. Our coating will NOT coat your barrel. If you're seeing signs of blue in your barrel during cleaning, it is probably a residue from the reaction between the ammonia in our CR-10 cleaning fluid and copper fouling in your bore.

**Q. Are the 165-grain and 168-grain XLC and 168-grain Triple-Shock X-Bullets really match-grade bullets?**

A. The 165-grain XLC has a secant ogive and the new 168-grain XLC BT and 168-grain Triple-Shock XBT have a tangent ogive that delivers superb accuracy. The 168-grain XLC BT and 168-grain Triple-Shock XBT are premium, highly effective hunting bullets—the best of both worlds.

**Q. Why are the MZ Bullets tight in my bore?**

A. We have found that a tight fit ensures accuracy in muzzleloaders. Because the rifling doesn't touch the bullet, the sabot has to grip the bullet and give it the necessary spin to stabilize it properly. Thus, a tight fit is required.

**Q. What twist rates will work for the Expander MZ's**

A. .45 195	Up to 1:30"	.54 275	Up to 1:34"
.50 250	Up to 1:32"	.54 325	Up to 1:34"
.50 300	Up to 1:28"		

*\*Occasionally a 1:28" twist will not be fast enough*

**Q. What is the purpose of your MZ Aligner tool?**

A. Our MZ aligner tool was designed for easier loading. One end is the diameter of the nose of our MZ Bullets and the other end is threaded to fit the end of your ramrod. The tool is designed to limit nose damage as you are seating the MZ Bullets for optimum accuracy.



*Andy Larsson took this mule deer in Kansas in 2003 with a 7mm STW and the 140 gr. XBT on a father and son expedition. Andy said that he didn't think the deer moved 2 yards from where it was shot.*

**Q. For what type of game are the XPB Pistol Bullets designed?**

A. XPBs are designed primarily for hunting. These bullets are solid copper with controlled expansion cavities. They are for large or small game and/or personal protection. We offer a variety of caliber choices to suit your needs. Our newest addition to the XPB lineup is the monstrous 375-grain for the .500 S&W. For first-hand results, refer to our web site to view a South African Safari where several animals were taken with the .500 S&W and the 325-grain XPB.

**Q. Are there any special considerations for reloading the .500 S&W?**

A. The rim of the .500 S&W case has been changed along with the type of primer used. The new cases from Starline are designed to accommodate large rifle primers. You can distinguish them by an "R" on the head stamp.

These cases require a new shell holder due to the larger diameter rim. Contact RCBS at 800-533-5000 for the correct holder.

**Q. How effective is CR-10™ as a bore cleaner?**

A. The Barnes CR-10™ Bore Cleaning Solvent is the most effective bore cleaner available. It is specifically formulated to remove copper fouling and does so very efficiently. CR-10™ has detergents to remove powder residue.

**Q. When I use CR-10™ cleaner, why are my patches coming out blue?**

A. The ammonia in CR-10™ reacts with the copper in your barrel to create a blue residue. We recommend running CR-10™ soaked patches through your barrel until they come out clean. Also, run a dry patch on a jag or nylon brush down the barrel when finished to ensure any excess CR-10™ is wiped out. Remember to follow the directions and don't leave the CR-10™ in the bore for more than fifteen minutes.

## BARNES X-BULLET HATS

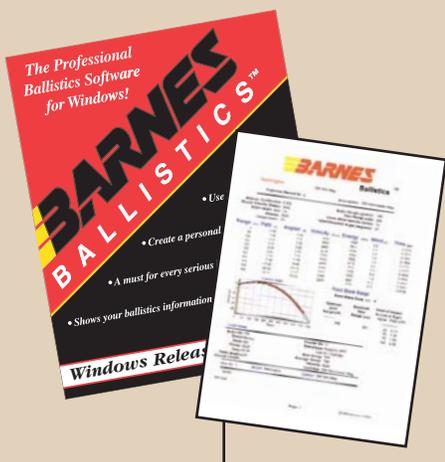


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Tracks Hat

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### Barnes Ballistics Software Features:

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- Create easy-to-read charts and graphs
- Compare loads, trajectory, recoil, and optimum zero
- Shows ballistics information in one complete view
- Available for download at [www.barnesbullets.com](http://www.barnesbullets.com)

**Q. At what velocity will the Barnes Originals expand?**

A. Barnes' Original bullets begin expanding at 1600 fps.

**Q. What are Barnes Solids used for?**

A. Barnes' round-nosed Solid bullets are designed for maximum, sure penetration on dangerous game. Spitzer solids are recommended when minimum pelt damage is desired. Some Barnes Solids, like our .50 BMG bullets, are used as target bullets because they're manufactured to such tight tolerances.

**Q. How much fouling can I expect with the Triple-Shock X-Bullets?**

A. Triple-Shock X-Bullets have a series of grooves machined into the bullet shank to reduce the bullet's bearing surface against the barrel. This also dramatically reduces the amount of fouling.

**Q. What load data do I use, and are there any special loading techniques for the Triple-Shock X-Bullets?**

A. When loading the new Triple-Shock X-Bullets, we recommend using the load data listed in the Barnes Reloading Manual for X-Bullets of the same weight. Start at the minimum charge weight and carefully work the load up from there.

The reduced bearing surface of the Triple-Shock X-Bullets may create lower pressures the Barnes X-Bullets generate. To compensate for this and achieve maximum velocity, it may be possible to exceed the maximum load listed by 1 or 2 grains, working up in 1/2 grain increments. Watch for signs of excess pressure, i.e., once-fired case head expansion of more the .0005", sticky bolt lift, flattened primers, or a shiny spot on the base of the case. If any of these signs appear, reduce your load by one full grain.

**Q. What makes your VLC's and Varmin-A-Tors better than other varmint bullets?**

A. The nose on both bullet styles is scored and is very explosive in comparison to other available bullets. Also, they are very accurate. The coated VLCs reduce fouling pressure, so that accuracy won't be compromised after a varmint shooter's extended shooting sessions.

**Q. What is the maximum velocity I can shoot the Varmin-A-Tors/VLC Bullets and what load data can I use?**

A. The Varmin-A-Tors and VLC Bullets are designed to shoot in all standard twist rifles at factory velocities. The Varmin-A-Tors are a lead core bullet. You can use regular load data such as the Hodgdon Manual or other published load data.

We suggest that you use the 60-grain load data for the 58-grain Varmin-A-Tors and the 75-grain load data for the 72-grain Varmin-A-Tors.

The VLCs are the same bullets, just coated. Work up your own loads if you would like, using the same grain bullets and starting 2 grains below listed max load, working up in 1/2 grain increments. Watch for signs of excess pressure, i.e., once-fired case head expansion of more the .0005", sticky bolt lift, flattened primers, or a shiny spot on the base of the case. If any of these signs appear, reduce your load by one full grain.

Keep in mind that VLC bullets usually require 1 grain of additional powder for equal pressures, max load for max load. Enjoy!

**Q. What advantages do you get with the new Spit-Fire MZ bullet?**

A. The Spit-Fire's boattail base and spitzer-style nose give it a higher BC than competing bullets have, providing the distinct advantage of flatter trajectory. The Spit-Fire MZ delivers the same reliable expansion and penetration all X-Bullets are famous for.

**Q. Is it better for a hunting bullet to travel completely through an animal and exit the far side, or remain in the game?**

A. To provide a clean, humane kill, the bullet should penetrate as deeply as possible. Deep penetration creates a larger wound channel than shallow penetration does and the larger wound channel results in more one-shot kills. When a bullet stops before deep penetration has occurred, this is often a sign of bullet failure due to loss of weight. If a bullet is stopped by an animal's front shoulder, maximum energy transfer fails to reach vital organs. If the bullet exits the animal, energy transfer has occurred along the length of the bullet's path. Muscle, organ and bone destruction, not foot-pounds of energy, causes a quick humane kill.

*After penetrating the animal approximately 20 – 24 inches, my bullet looked like one of those perfect sample bullets you see in displays. When I returned home, I weighed the 195-grain bullet, and it actually weighed 195.3 grains. This means it lost none of its original weight. This is the first time I've hunted game with .45 caliber expander MZ bullets, and I don't see how a bullet could perform any better. Tell everybody to keep up the good work.*

Greg Miller  
Barnes Advisory Staff Member

*I've harvested a number of whitetails, bears and elk with my Thompson/Center Encore loaded with .50 caliber 300-grain Barnes Expander MZ bullets. Even though muzzleloaders have come a long way, it's nice to be able to rely on Barnes Bullets when you've only got one shot.*

Jason Housley  
The Hunter's Journal

*After the success I've enjoyed using X-Bullets in my .270 during whitetail deer seasons in Pennsylvania and Maryland, you can count me among Barnes' most ardent fans. I've become a True Believer. I will never go afield without Barnes X-Bullets. When you consider the time, money and effort spent on a hunting trip, even close to home, why settle for a lesser bullet?*

Doug Chester

*After 15 years of searching and field testing, I've finally found a bullet (Barnes Triple-Shock) that not only meets, but exceeds my expectations.*

Larry Pelchat

*When you expect the best from yourself, you expect the best from your equipment. Barnes Bullets are the best choice for the hunter who wants quality performance every time. Few bullets can claim the kind of results X-Bullets provide. A bull elk, a cougar and a muley buck were all taken the same year with the same gun loaded with 180-grain X-Bullets. All kills were over 350 yards, and all required only a single shot. The 180-grain X-Bullet in my .300 H&H Magnum will do the job in any circumstances. When retrieved, this bullet displays 100 percent weight retention and perfect expansion. Thanks for the X-Bullet.*

Darin Sorensen

*The bullet worked perfectly! Your 165-grain Barnes XBT has turned my .30-06 into a lighter, easy-shooting .300 magnum!*

Graham Comfort

*I have been a longtime hunter and fan of Barnes X-Bullets. As I tell folks, "The cheapest, yet most important part of any hunt is the bullet you send downrange toward an animal. Make it the best bullet you can buy—a Barnes X."*

Tommy D. Lloyd

*I purchased a box of your 168-grain .308 caliber Triple-Shock X-Bullets for myself and one for my hunting buddy to see what the fuss was all about. We both shoot .300 Winchester Magnum rifles. To my amazement, we shot good groups with every load we tried. I'm getting over 3300 fps and one-inch groups with my .300 Winchester Magnum. It's like I've suddenly got one of those "super-mag" rifles by simply switching to the Triple-Shock X-Bullet. I have been convinced firsthand of the benefit of the X-Bullet on tough game, but this new Triple-Shock design takes it a step further.*

Howell Crawford

*I recently returned from the Northwest Territory, where I hunted Barren Ground Caribou. I took each of my two caribou with a single shot at ranges of 192 and 76 yards respectively. The animal I shot at 76 yard was running and the Triple-Shock X-Bullet took him through both front shoulders. Neither animal moved more than a step after the shot, and both animals' lungs were turned to pudding. After 25 years, my search for the perfect hunting bullet is over.*

Michael Dellis

*I used 180-grain Barnes XLC Bullets in my .30-06 rifle. Each and every animal taken dropped instantly at the shot—and I mean everything from zebra at 335 paces to a gemsbok at 30 yards. The bullets recovered had all mushroomed perfectly with virtually no weight loss.*

Eric Blaire

*The accuracy of X-Bullets is impressive. Even though the time I can dedicate to shooting has taken a back seat to family and career, with little effort I can still shoot half-inch groups from 100 yards. I attribute that more to your bullets and my gun than to me. Thanks again, and keep up the good work.*

Mike Thomason

*I have been an avid big game hunter for 15 years now, and I have NEVER had a bullet perform like a Barnes X does. These bullets are simply DEADLY.*

Dean Olson



*Blake McPherron loves hunting whitetail. This particular deer was taken in Iowa with a .50 caliber Knight Wolverine and the 250 gr. Barnes Expander MZ. The deer scored 160. Blake is lucky to come from a family that loves to hunt. The McPherron family is a true hunting family. Blake's father, Randy, and his mother, Patty, all harvested whitetail deer during their hunting trip in Iowa. They all were using the .50 caliber Knight Rifle and the 250 grain Barnes Expander MZ.*



*Hunting in Namibia, John Zent, editor-in-chief of American Hunter magazine, used a .300 WSM Kimber Model 8400 and a 180-grain Barnes XLC bullet to take this magnificent 38.5-inch Gemsbok. John also took a record-book leopard during the hunt.*

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