



OPTIMIZED FOR YOUR TARGET™

Barnes Bullets, LLC Lead Free Product

Handloading Projectiles - Components

TSX® & TAC-X™ X BULLET®


All copper construction with an open tip and and cannellure on bullet shank



Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TSX	.224	45	<1%	30176	All copper construction with an open tip and 1 or more cannellure on bullet shank
TSX	.224	50	<1%	30174	
TSX	.224	53	<1%	30180	
TSX / TAC-X	.224	55	<1%	30182 / 30155	
TSX / TAC-X	.224	62	<1%	30190 / 30156	
TSX / TAC-X	.224	70	<1%	30193 / 30158	
TSX	.224	78	<1%	30204	
TSX	.243	85	<1%	30212	
TSX	.257	100	<1%	30222	
TSX	.257	115	<1%	30224	
TSX / TAC-X	.264	120	<1%	30244 / 30239	
TSX	.264	130	<1%	30246	
TSX	.264	130	<1%	31140	
TSX / TAC-X	.277	85	<1%	30254 / 30257	
TSX / TAC-X	.277	110	<1%	30260 / 30259	
TSX	.277	130	<1%	30264	
TSX	.277	140	<1%	30266	
TSX	.277	150	<1%	30269	
TSX	.284	120	<1%	30287	
TSX	.284	140	<1%	30289	
TSX	.284	150	<1%	30293	
TSX	.284	160	<1%	30291	
TSX	.284	175	<1%	30294	
TSX	.308 (30-30)	150	<1%	30334	
TSX / TAC-X	.308	110	<1%	30341 / 30336	
TSX	.308	130	<1%	30345	
TSX / TAC-X	.308	150	<1%	30347 / 30337	
TSX	.308	165	<1%	30349	
TSX / TAC-X	.308	168	<1%	30351 / 30338	
TSX	.308	180	<1%	30353	
TSX	.308	200	<1%	30356	
TSX / TAC-X	.310 (7.62x39)	123	<1%	30391 / 30387	
TSX	.311	150	<1%	30393	
TSX	.323	180	<1%	30396	

TSX	.323	200	<1%	30398
TSX	.338	185	<1%	30408
TSX	.338	210	<1%	30410
TSX	.338	225	<1%	30412
TSX	.338	250	<1%	30415
TSX / TAC-X	.338 (.338 Lapua)	285	<1%	30417 / 30403
TSX	.355	170	<1%	32078
TSX	.358	180	<1%	3112
TSX	.358	200	<1%	30455
TSX	.358	225	<1%	30457
TSX	.366	250	<1%	30469
TSX	.366	286	<1%	30473
TSX	.375	235	<1%	30486
TSX	.375	270	<1%	30489
TSX	.375	300	<1%	30491
TSX	.375	350	<1%	30494
TSX	.410	300	<1%	30514
TSX	.411	300	<1%	30516
TSX	.416	300	<1%	30527
TSX	.416	350	<1%	30529
TSX	.416	400	<1%	30532
TSX	.422	400	<1%	30537
TSX	.451	275	<1%	30628
TSX	.458	300	<1%	30615
TSX	.458	350	<1%	30617
TSX	.458	450	<1%	30619
TSX	.458	500	<1%	30622
TSX	.458 (45/70)	250	<1%	30629
TSX	.458 (45/70)	300	<1%	30630
TSX	.474	500	<1%	30647
TSX	.505	525	<1%	30688
TSX	.509	570	<1%	30692
TSX / TAC-X	.510	647	<1%	30700 / 30695
TSX	.583	750	<1%	30712

All copper construction with an open tip and 1 or more cannellure on bullet shank


TIPPED TSX® & TAC-TX™ X BULLET® All copper construction with a blue or black polymer tip and and cannellure on bullet shank					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TTSX	.224	50	<1%	30185	All copper construction with a blue or black polymer tip and 1 or more cannellure on bullet shank
TTSX	.224	55	<1%	30187	
TTSX	.224	62	<1%	30188	
TTSX	.243/6mm	80	<1%	30208	
TTSX	.257	80	<1%	30218	
TTSX	.257	100	<1%	30220	
TTSX / TAC-TX	.264/6.5mm	100	<1%	30240 / 30236	
TAC-TX	.264/6.5mm	115	<1%	31142	


TTSX / TAC-TX	.264/6.5mm	120	<1%	30242 / 30237
TTSX / TAC-TX	.277	95	<1%	30271 / 30253
TTSX	.277	110	<1%	30274
TTSX	.277	130	<1%	30276
TTSX	.284	110	<1%	30296
TTSX	.284	120	<1%	30298
TTSX	.284	140	<1%	30300
TTSX	.284	150	<1%	30303
TAC-TX	.308 (300 AAC BLK)	110	<1%	30321
TTSX / TAC-TX	.308	110	<1%	30362 / 30358
TAC-TX	.308 (300 AAC BLK)	120	<1%	30320
TTSX	.308	130	<1%	30364
TTSX	.308	150	<1%	30366
TTSX	.308	165	<1%	30368
TTSX / TAC-TX	.308	168	<1%	30370 / 30359
TTSX	.308	180	<1%	30372
TTSX	.323	160	<1%	30400
TTSX	.338	160	<1%	30424
TTSX	.338	185	<1%	30426
TTSX	.338	210	<1%	30428
TTSX / TAC-TX	.338	225	<1%	30430 / 30420
TAC-TX	0.338 (338 Lapua)	265	<1%	30419
TTSX	.358	180	<1%	30459
TTSX	.358	200	<1%	30461
TTSX	.366	250	<1%	30475
TTSX	.375	250	<1%	30484
TTSX	.416	350	<1%	30519
TTSX	.451	250	<1%	30996
TTSX / TAC-TX	.458	300	<1%	30642 / 30640


All copper construction with a blue or black polymer tip and 1 or more cannelure on bullet shank


LONG RANGE X BULLET® (LRX™)					Unique Identifying Factors
All copper construction with an blue polymer tip and and cannelure on bullet shank					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	All copper construction with a blue polymer tip and 1 or more cannelure on bullet shank
LRX	.224	77	<1%	30881	
LRX	.243	95	<1%	30862	
LRX	.257	101	<1%	30479	
LRX	.264	127	<1%	30228	
LRX	.277	129	<1%	30262	
LRX	.277	155	<1%	32112	
LRX	.284	139	<1%	30295	
LRX	.284	145	<1%	30282	
LRX	.284	168	<1%	30284	
LRX	.308	175	<1%	30318	
LRX	.308	190	<1%	30377	
LRX	.308	200	<1%	30374	
LRX	.308	208	<1%	30311	
LRX	.338	250	<1%	31150	
LRX	.338	265	<1%	30434	
LRX	.338	280	<1%	30432	
LRX	.375	270	<1%	30483	





XPB™ PISTOL BULLET All copper construction with a large open tip and cannellure on bullet shank					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
XPB	.357	140	<1%	30453	All copper construction with a large open tip and 1 or more cannellure on bullet shank
XPB	.410	180	<1%	30512	
XPB	.429	200	<1%	30541	
XPB	.429	225	<1%	30543	
XPB	.451	200	<1%	30556	
XPB	.451	225	<1%	30558	
XPB	.451	250	<1%	30562	
XPB	.451	200	<1%	30554	
XPB	.451	275	<1%	30548	
XPB	.475	275	<1%	30659	
XPB	.500	275	<1%	30663	
XPB	.500	325	<1%	30665	
XPB	.500	375	<1%	30667	


VARMINT GRENADE® BULLET Copper jacket with a compressed copper-tin powdered metal core					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
Varmint Grenade	.204	26	<1%	30090	Copper jacket with a compressed copper-tin powdered metal core
Varmint Grenade	.204	26	<1%	30094	
Varmint Grenade	.224	30	<1%	30170	
Varmint Grenade	.224	30	<1%	30184	
Varmint Grenade	.224	36	<1%	30171	
Varmint Grenade	.224	36	<1%	30189	
Varmint Grenade	.224	50	<1%	30198	
Varmint Grenade	.224	50	<1%	30201	
Varmint Grenade	.243	62	<1%	30214	
Varmint Grenade	.243	62	<1%	30217	


TAC-XP™ PISTOL BULLET All copper construction with a large open tip					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TAC-XP	.355	80	<1%	30440	All copper construction with a large open tip
TAC-XP	.355	95	<1%	30444	
TAC-XP	.355	115	<1%	30442	
TAC-XP	.355	125	<1%	30446	
TAC-XP	.357	110	<1%	30449	
TAC-XP	.357	125	<1%	30451	
TAC-XP	.400	125	<1%	30500	
TAC-XP	.400	140	<1%	30502	
TAC-XP	.400	155	<1%	30504	
TAC-XP	.429	200	<1%	30539	
TAC-XP	.451	160	<1%	30550	
TAC-XP	.451	185	<1%	30552	


MULTI-PURPOSE GREEN BULLET (MPG™) & TAC-LLRP™					
Copper jacket with a compressed copper-tin powdered metal core and 1 cannellure					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
MPG / TAC-LLRP	.224	55	<1%	30195 / 30161	Copper jacket with a compressed copper-tin powdered metal core and 1 cannellure
MPG / TAC-LLRP	.277	85	<1%	30249 / 30252	
MPG / TAC-LLRP	.308	150	<1%	30331 / 30313	
MPG / TAC-LLRP	.310	108	<1%	30388 / 30390	


EXPANDER MZ™ MUZZLELOADER BULLETS					
All copper construction with a hollow point in a sabot					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
EXPANDER MZ	.400 - 45 Cal w/ sabot	195	<1%	30509 / 30506	All copper with yellow sabot
EXPANDER MZ	.451 - 50 Cal w/ sabot	250	<1%	30577 / 30564	All copper with black sabot
EXPANDER MZ	.451 - 50 Cal w/ sabot	300	<1%	30583 / 30569	All copper with black sabot
EXPANDER MZ	.500 - 54 Cal w/ sabot	275	<1%	30679 / 30674	All copper with red sabot
EXPANDER MZ	.500 - 54 Cal w/ sabot	325	<1%	30680 / 30676	All copper with red sabot

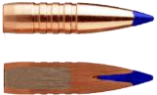
SPIT-FIRE MZ™ MUZZLELOADER BULLETS					
All-copper boattail muzzleloader bullet with yellow sabot					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
SPIT-FIRE MZ	.451 - 50 Cal w/ sabot	245	<1%	30560 / 30574	All-copper boattail muzzleloader bullet with yellow sabot
SPIT-FIRE MZ	.451 - 50 Cal w/ sabot	285	<1%	30567 / 30579	

SPIT-FIRE TMZ™ MUZZLELOADER BULLETS					
All-copper boattail muzzleloader bullet with blue polymer tip and yellow sabot					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
SPIT-FIRE TMZ	.451 - 50 Cal w/ sabot	250	<1%	30589 / 30598	All-copper boattail muzzleloader bullet with blue polymer tip and yellow sabot
SPIT-FIRE TMZ	.451 - 50 Cal w/ sabot	290	<1%	30594 / 30604	



SPIT-FIRE T-EZ™ MUZZLELOADER BULLETS					
All-copper muzzleloader bullet with blue polymer tip and blue sabot					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
Spit-Fire TEZ	.451 - 50 Cal w/ sabot	250	<1%	30587 / 30601	All-copper muzzleloader bullet with blue polymer tip and blue sabot
Spit-Fire TEZ	.451 - 50 Cal w/ sabot	290	<1%	30592 / 30607	

Magnum MZ MUZZLELOADER BULLETS					
All-copper muzzleloader bullet with blue polymer tip and green sabot					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
Magnum MZ	.451 - 50 Cal w/ sabot	250	<1%	32014	All-copper muzzleloader bullet with blue polymer tip and green sabot

XLC™ Coated X Bullet® All copper open tip with blue coating	
Discontinued	

Maximum Range X Bullet® (MRX™) All copper, Tipped TSX bullets with a tungsten core in the base	
Discontinued	

AMMUNITION

VOR-TX CENTERFIRE RIFLE AMMUNITION Loaded ammunition featuring TSX®, LRX™ TAC-TX™ and TTSX® all-copper projectiles.		
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Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TSX FB	22-250 Remington	50	<1%	22008	All-copper projectile with 1 or more grooves cut into the shank of the bullet
TSX FB	223 Remington	55	<1%	21520	
TSX BT	5.56 X 45 mm	62	<1%	31190	
TSX BT	5.56 X 45 mm	70	<1%	31191	
LRX BT	224 Valkyrie	77	<1%	32161	
TTSX BT	243 Win	80	<1%	21522	
TTSX BT	25-06	100	<1%	21557	
TAC-TX BT	6.5 Grendel	115	<1%	30829	
TTSX BT	6.5 Creedmoor	120	<1%	30815	
TTSX BT	260 Remington	120	<1%	22010	
TSX BT	6.5 PRC	130	<1%	32130	
TTSX BT	270 Win	130	<1%	21524	
TSX BT	270 WSM	140	<1%	21559	
TTSX BT	7mm-08	120	<1%	21561	
TTSX BT	280 Remington	140	<1%	22011	
TTSX BT	7mm Remington Mag	140	<1%	21526	
TTSX BT	7mm Remington Mag	150	<1%	21563	
TSX BT	7mm Remington Mag	160	<1%	21529	
TAC-TX FB	300 AAC Blackout	110	<1%	21548	
TAC-TX BT	300 AAC Blackout	120	<1%	30827	
TSX FN	30-30 Win	150	<1%	21535	
TTSX BT	30-06 Sprg	150	<1%	21531	
TTSX BT	30-06 Sprg	168	<1%	21565	
TTSX BT	30-06 Sprg	180	<1%	21533	
TTSX BT	308 Win	130	<1%	30816	
TTSX BT	308 Win	150	<1%	21540	
TTSX BT	308 Win	168	<1%	21541	
TTSX BT	300 Win Mag	150	<1%	21569	
TTSX BT	300 Win Mag	165	<1%	21537	
TTSX BT	300 Win Mag	180	<1%	21538	
TTSX BT	300 WSM	150	<1%	21567	
TTSX BT	300 WSM	165	<1%	21536	
TTSX BT	300 Remington Ultra Mag	165	<1%	21571	
TTSX BT	300 Remington Ultra Mag	180	<1%	21539	
TTSX BT	300 Weatherby Mag	180	<1%	22013	
TSX FB	350 Legend	170	<1%	32086	
TTSX FB	35 Whelen	180	<1%	21581	
TTSX FB	35 Whelen	200	<1%	30729	
TTSX BT	338 Win Mag	210	<1%	21575	
TTSX BT	338 Win Mag	225	<1%	21542	
LRX BT	338 Lapua Mag	280	<1%	30727	
TSX FN	45/70 Govt	300	<1%	21579	
TSX FB	450 Bushmaster	250	<1%	32085	
TTSX BT	450 Bushmaster	250	<1%	30838	

VOR-TX LR CENTERFIRE RIFLE AMMUNITION
Loaded ammunition featuring LRX® all-copper projectiles.





Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
LRX BT	6mm Creedmoor	95	<1%	30232	All-copper projectile with 1 or more grooves cut into the shank. Nickel plated brass finish
LRX BT	6.5 Creedmoor	127	<1%	28986	
LRX BT	6.5 PRC	127	<1%	30830	
LRX BT	270 Win	129	<1%	31198	
LRX BT	7mm Remington Mag	139	<1%	28981	
LRX BT	7mm Remington Ultra Mag	145	<1%	28985	
LRX BT	30-06 Springfield	175	<1%	30748	
LRX BT	300 Win Mag	190	<1%	29013	
LRX BT	300 Remington Ultra Mag	190	<1%	29011	
LRX BT	300 PRC	208	<1%	32175	
LRX BT	338 Remington Ultra Mag	250	<1%	29061	
LRX BT	375 Remington Ultra Mag	270	<1%	29067	


VOR-TX METRIC CENTERFIRE RIFLE AMMUNITION
Loaded ammunition featuring TSX® and TTSX® all-copper projectiles.






Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TTSX BT	7 x 64 Brenneke	140	<1%	21573	All-copper projectile with 1 or more grooves cut into the shank.
TSX FB	9.3 x 62mm	286	<1%	21577	

VOR-TX EURO CENTERFIRE AMMUNITION Loaded ammunition featuring TTSX® all-copper projectiles.					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TTSX BT	7X64 Brenneke	140	<1%	31300	All-copper projectile with 1 or more grooves cut into the shank.
TTSX BT	308 Winchester	130	<1%	31340	
TTSX BT	308 Winchester	150	<1%	31341	
TTSX BT	308 Winchester	168	<1%	31342	
TTSX BT	30-06 Springfield	150	<1%	31330	
TTSX BT	30-06 Springfield	168	<1%	31331	
TTSX BT	30-06 Springfield	180	<1%	31333	
TTSX BT	8X57 JS	160	<1%	31306	
TTSX BT	9.3X62MM	250	<1%	31312	

VOR-TX CENTERFIRE SAFARI AMMUNITION Loaded ammunition featuring TSX® all-copper projectiles.					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TSX FB	375 H&H	300	<1%	22014	All-copper projectile with 1 or more grooves cut into the shank
TSX FB	416 Remington Mag	400	<1%	22017	
TSX FB	416 Rigby	400	<1%	22034	
TSX FB	458 Winchester Mag	450	<1%	22022	
TSX FB	458 Lott	500	<1%	22027	
TSX FB	470 Nitro	500	<1%	22030	
TSX FB	500 Nitro	570	<1%	22032	

VOR-TX HANDGUN HUNTING AMMUNITION Loaded ammunition featuring XPB™ and TAC-XP™ all-copper projectiles.					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
XPB	9mm Luger	115	<1%	32005	All-copper projectile with large open tip
XPB	357 Magnum	140	<1%	21543	
TAC-XP	10mm Auto	155	<1%	31180	
XPB	40 S&W	140	<1%	32006	
XPB	41 Remington Magnum	180	<1%	22037	
XPB	44 Remington Magnum	225	<1%	21545	
XPB	45 Auto	185	<1%	32007	
XPB	45 Colt	200	<1%	21547	
XPB	454 Casull	250	<1%	22024	

TAC-XPD HANDGUN AMMUNITION Loaded ammunition featuring TAC-XP™ all copper projectiles.					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TAC-XP	380 Auto	80	<1%	21552	All-copper projectile with wide open tip, nickel plated case and chro-moly coated bullet
TAC-XP	9mm Luger +P	115	<1%	21551	
TAC-XP	357 Magnum	125	<1%	21550	
TAC-XP	40 S&W	140	<1%	21554	
TAC-XP	45 Auto +P	185	<1%	21555	

PIONEER CENTERFIRE AMMUNITION					
Loaded ammunition featuring TSX all copper projectiles & XPB all copper projectiles					
Designation	Caliber	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
TSX FN	30-30 Winchester	150	<1%	32137	All-copper projectile with wide open tip
TSX FN	45-70 GOVT	300	<1%	32139	
XPB	357 Magnum	140	<1%	32141	
XPB	45 Colt	200	<1%	32143	
XPB	44 Remington Magnum	225	<1%	32172	
VOR-TX SHOTSHELL AMMUNITION					
Loaded shotshell ammunition featuring Expander Tipped all copper projectiles					
Designation	Gauge & Length	Grain Wt.	% lead content by Wt.	Item #	Unique Identifying Factors
Expander Tipped	12 Gauge 2 3/4"	437	<1%	20733	All copper projectile with blue hull (12 Gauge) or yellow hull (20 gauge)
Expander Tipped	12 Gauge 3"	437	<1%	20737	
Expander Tipped	20 Gauge 2 3/4"	250	<1%	20735	
Expander Tipped	20 Gauge 3"	250	<1%	20739	

Pursuant to F&G Code Section 3004.5, the listed projectiles or ammunition are certified as containing 1% or less of lead and may be used for the take of various wildlife species in California.

It is the responsibility of the hunter to verify that the individual projectile or ammunition is compliant with the method of take regulation for the individual species or species group.