

# WINCHESTER<sup>®</sup>

A M M U N I T I O N



**2003**  
**Product Guide**

**WSSM Winchester  
Super Short Magnum  
The Innovation  
Continues.....**

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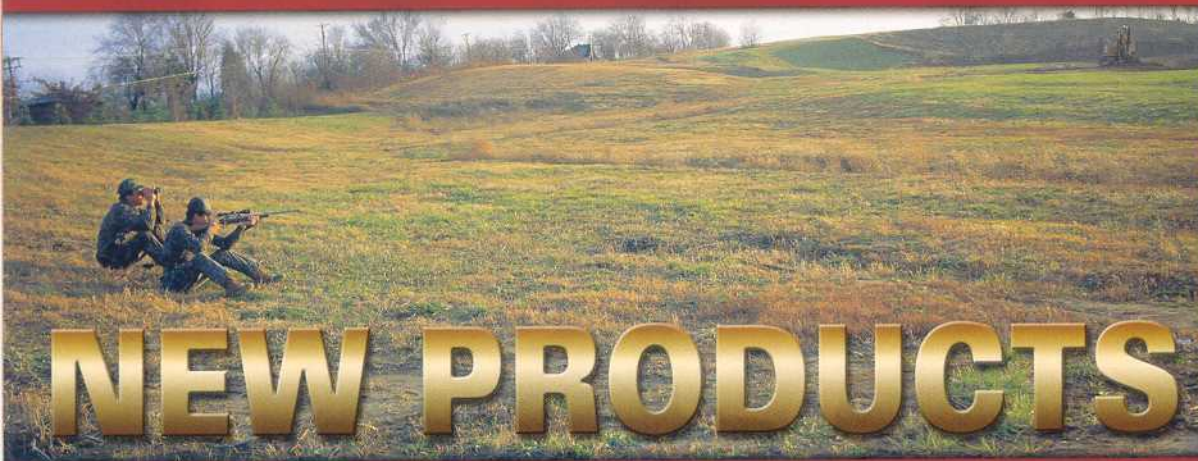
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## AA Super Sport In 28 & 410!

Sporting Clays games offer exciting new challenges - especially to the small gauge competitor. To meet this challenge head on, Winchester is adding 28 gauge and 410 gauge loads to its popular 12 and 20 gauge Super Sport AA line.



# NEW FOR 2003!

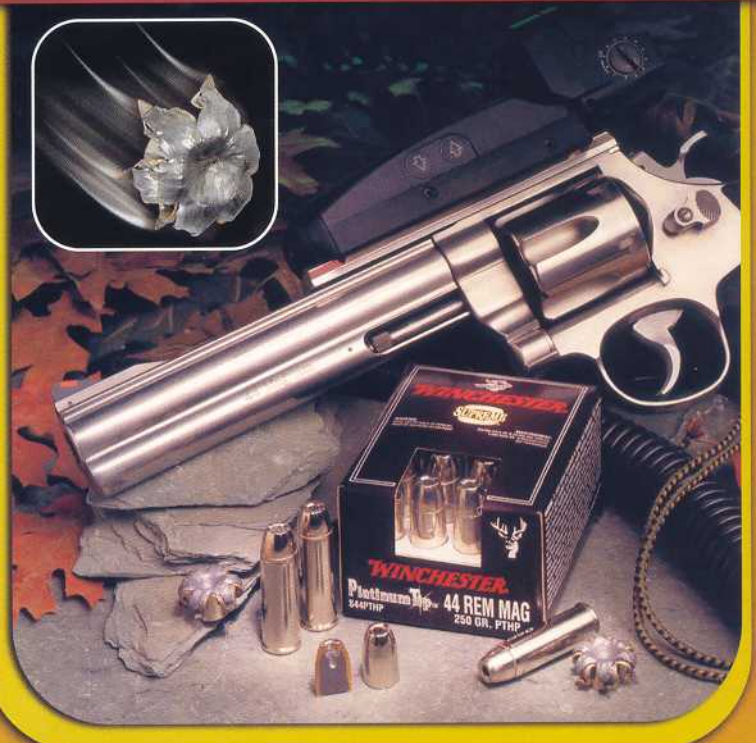


# NEW PRODUCTS

## Winchester® Supreme® Platinum Tip™ Handgun Hunting Ammunition

Introducing an exciting new line of high performance handgun hunting products from Winchester - NEW Supreme Platinum Tip™ Handgun Hunting Ammunition. Designed from the ground up to meet the performance needs of serious handgun hunters, the new Platinum Tip™ bullet features a patented, thick wall reverse-taper jacket design. Add strategic lead core and jacket notching with a specially designed two-part hollow-point cavity for uniform bullet expansion, weight retention, and massive energy deposit.

New Supreme Platinum Tip Handgun Hunting Ammunition - the ultimate handgun hunting cartridge. Available in 41 Rem Magnum, 44 Rem Magnum and 454 Casull®.



## The Innovation Continues...

Once in a great while, a truly phenomenal cartridge is born. A cartridge that combines engineering know-how and state-of-the-art ballistics technology to create something completely new and innovative.

Over the last two years, Winchester Ammunition has taken the industry by storm with the ongoing introduction of new offerings in the Short Magnum Family of centerfire rifle cartridges. In that time, the WSM has, literally, become the new shape of magnum rifle cartridges.

Due to the outstanding response from sportsmen, the hunting and shooting press, and winning the prestigious Shooting Industry "Ammunition of the Year" award two years straight for the 300 WSM and 270 WSM, Winchester is pleased to announce the introduction of another new category of magnum cartridges. The Winchester Super Short Magnum (WSSM) initially available in 223 WSSM and 243 WSSM with firearm offerings in the Browning® A-Bolt and Winchester® Model-70 rifles.



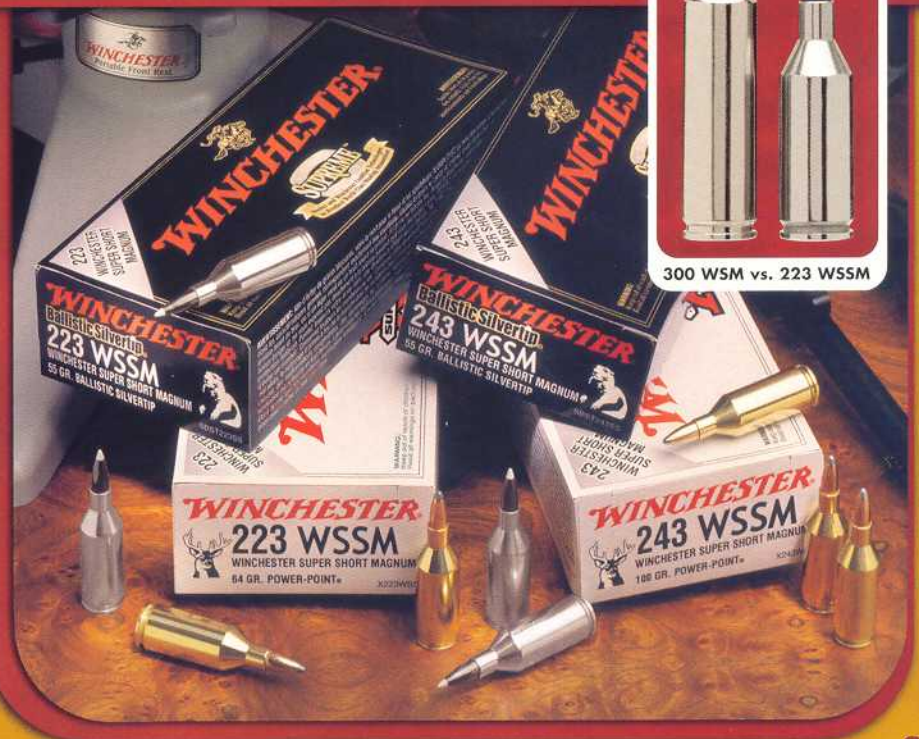
## Winchester® Short Magnum Now Goes Super Short....

The new Winchester Super Short Magnum (WSSM) will rewrite the books on short action, high velocity, precision accuracy, small calibers with magnum performance!

The new WSSM is based on a short, fat cartridge geometry with an even shorter action than existing WSM cartridge offerings. The new WSSM cartridge design offers true magnum performance in both 223 and 243 calibers - all while delivering a highly efficient propellant burn with consistent higher velocities. And by headspacing off the shoulder, the new WSSM cartridge design promotes exceptional "bench-rest" accuracy.

Initially offered in 223 WSSM and 243 WSSM - each of these new cartridges delivers incredible accuracy with magnum energy and velocity performance in a very short action cartridge - approximately 1/2" shorter than the existing Winchester Short Magnum!

The new Winchester Super Short Magnum - it's the flatter, faster, longer range, harder hitting varmint and thin-skinned game cartridge hunters have been dreaming about.

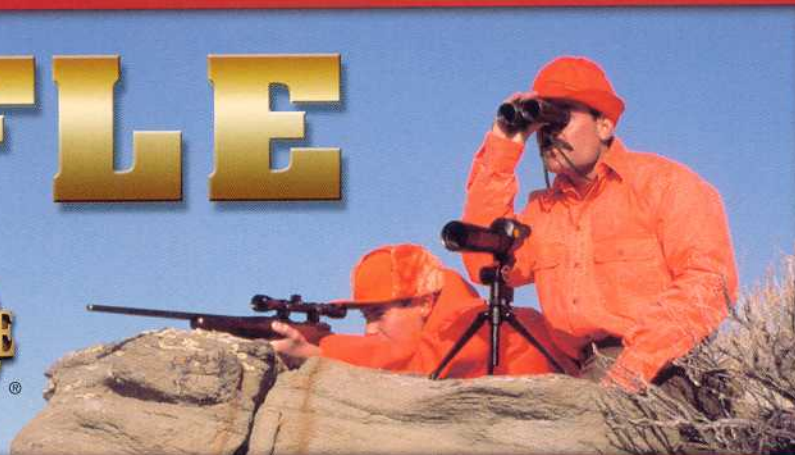


300 WSM vs. 223 WSSM

## SUPREME® CENTERFIRE RIFLE AMMUNITION



# RIFLE



### **Super-X® Silvertip® Centerfire Rifle Ammunition**

Super-X Silvertip features a special alloy aluminum nose cap bullet design that promotes high accuracy, protects the soft lead core and regulates bullet expansion for maximum energy deposit and deep, game-stopping penetration.

### **Super-X® Power-Point® Centerfire Rifle Ammunition**

Super-X Power-Point's unique exposed soft nose jacketed bullet design delivers maximum energy on target. Strategically placed notches around the jacket mouth improve upset and ensure uniform expansion for massive energy release.

### **USA Brand Centerfire Rifle Ammunition**

USA Brand ammunition is the ideal choice for training or extended sessions at the range or in the field. Plus, USA features two specially packaged hollow point loads for the high volume, high accuracy shooting requirements of serious Varmint Hunters. As you'd expect, all USA Brand Centerfire Rifle Ammunition features high quality and reliability at an economical price.

### **Supreme® Fail Safe® Centerfire Rifle Ammunition**

Supreme Penetration. The patented notched, hollow point cavity, combined with a rear lead core protected by steel inserts, deliver consistent and dramatic bullet expansion, near 100% weight retention and deep penetration through the toughest skin and heavy bone. Winchester's proprietary Lubalox® coating is incorporated on the bullet.

### **Supreme® Partition Gold® Centerfire Rifle Ammunition**

Supreme Stopping Power. Proven Partition design, combined with Winchester's patented steel insert technology, delivers dramatic bullet expansion, deep penetration and devastating energy deposit with improved weight retention. The bullet features Moly-coating.

### **Supreme® Ballistic Silvertip® Centerfire Rifle Ammunition**

Supreme Accuracy. The solid base boattail design and special jacket contours deliver EXCELLENT long range accuracy with reduced cross-wind drift. The Lubalox® coated Ballistic Silvertip bullet is designed to deliver rapid expansion and fragmentation in varmint-size game calibers, and controlled expansion and penetration over long ranges in deer-size game calibers.

### **Supreme® Power-Point Plus® Centerfire Rifle Ammunition**

Supreme Energy. The Supreme Moly-coating technology and proven bullet design delivers superior ballistic performance with higher velocities. The unique soft nose jacket design with notched jacket mouth improves upset and ensures uniform, rapid expansion for maximum energy deposit on target.



**SUPER-X® CENTERFIRE RIFLE AMMUNITION**

## SUPER-X® SILVERTIP® (ST)



Specially alloyed aluminum nose cap protects the lead core and allows for deep penetration delivering controlled expansion.

Cartridge	Symbol	Bullet Wt.
250 Savage	X2503	100 gr.
270 Winchester	X2703	130 gr.
30-30 Winchester	X30302	150 gr.
30-30 Winchester	X30304	170 gr.
30-06 Springfield	X30063	150 gr.
30-06 Springfield	X30066	180 gr.
308 Winchester	X3083	180 gr.
348 Winchester	X3483	200 gr.
358 Winchester	X3581	200 gr.

## SUPER-X® POINTED SOFT POINT (PSP)



Pointed bullet design retains velocity over long ranges. Soft nose initiates rapid bullet expansion. Jacket and core toughness vary according to caliber and weight of bullet.

Cartridge	Symbol	Bullet Wt.
220 Swift	X220S	50 gr.
22-250 Remington	X222501	55 gr.
222 Remington	X222R	50 gr.
223 Remington	X223R	55 gr.
223 Remington	USA223RF	55 gr.
<b>NEW</b> 223 WSSM	X223WSS	55 gr.
225 Winchester	X2251	55 gr.
243 Winchester	X2431	80 gr.
30-06 Springfield	X30062	125 gr.
30-06 Springfield	X30065	165 gr.

## SUPER-X® POWER-POINT® (PP)



Unique soft nose jacketed design delivers maximum energy on target. Notches around jacket mouth improve upset and ensure uniform, rapid expansion.

Cartridge	Symbol	Bullet Wt.
223 Remington	X223R2	64 gr.
<b>NEW</b> 223 WSSM	X223WSS1	64 gr.
6mm Remington	X6MMR2	100 gr.
243 Winchester	X2432	100 gr.
<b>NEW</b> 243 WSSM	X243WSS	100 gr.
257 Roberts +P	X257P3	117 gr.
264 Winchester Magnum	X2642	140 gr.
270 Winchester	X2705	130 gr.
270 Winchester	X2704	150 gr.
270 WSM	X270WSM	150 gr.
284 Winchester	X2842	150 gr.
7mm-08 Remington	X708	140 gr.
7mm Mauser (7x57)	X7MM1	145 gr.
7mm STW	X7STW1	150 gr.
7mm WSM	X7MMWSM	150 gr.
7mm Rem Magnum	X7MMR1	150 gr.
7mm Rem Magnum	X7MMR2	175 gr.

Cartridge	Symbol	Bullet Wt.
30-30 Winchester	X30306	150 gr.
30-30 Winchester	X30303	170 gr.
30-06 Springfield	X30061	150 gr.
30-06 Springfield	X30064	180 gr.
30-40 Krag	X30401	180 gr.
300 WSM	X300WSM	180 gr.
300 Win Mag	X30WM1	150 gr.
300 Win Mag	X30WM2	180 gr.
300 Savage	X3001	150 gr.
303 British	X303B1	180 gr.
307 Winchester	X3076	180 gr.
308 Winchester	X3085	150 gr.
308 Winchester	X3086	180 gr.
32 Winchester Special	X32WS2	170 gr.
8mm Mauser	X8MM	170 gr.
338 Winchester Magnum	X3381	200 gr.
35 Remington	X35R1	200 gr.
356 Winchester	X3561	200 gr.
375 Winchester	X375W	200 gr.

## SUPER CLEAN NT® (TIN)



Specially designed jacketed soft point tin core bullet shoots and performs like lead, delivering superior accuracy and gun function.

Ideal for situations where no down range lead is permitted.

Cartridge	Symbol	Bullet Wt.
5.56mm	SC556NT	55 gr.

## SUPER-X® SOFT POINT (SP)



Soft point bullets are designed for rapid, controlled expansion and maximum impact.

Cartridge	Symbol	Bullet Wt.
22 Hornet	X22H1	45 gr.
25-20 Winchester	X25202	86 gr.
25-35 Winchester	X2535	117 gr.
6.5 x 55 Swedish	X6555	140 gr.
7.62 x 39mm	X76239	123 gr.
38-40 Winchester	X3840	180 gr.
38-55 Winchester	X3855	255 gr.
44-40 Winchester	X4440	200 gr.
458 Winchester Magnum	X4581	510 gr.

## HOLLOW POINT (HP)



22 Hornet



Standard

Standard HP features a weight rearward design enhancing bullet accuracy.

The Supreme 22 Hornet features ultra-high velocity, pinpoint accuracy and explosive fragmentation.

Cartridge	Symbol	Bullet Wt.
22 Hornet Supreme	S22H1	34 gr.
22 Hornet	X22H2	46 gr.
218 Bee	X218B	46 gr.
22-250 Remington	USA222502	45 gr.
223 Remington	USA2232	45 gr.
223 Remington	USA2232F	45 gr.
223 Remington	X223RH	53 gr.
30-30 Winchester	X30301	150 gr.
45-70 Government	X4570H	300 gr.

## SUPREME® FAIL SAFE® (FS)



Copper-alloy, Lubalox® coated jacket with notched hollow point cavity, combined with a lead core protected by a steel insert, delivers deep penetration and uniform, controlled expansion with virtually 100% bullet weight retention.

Cartridge	Symbol	Bullet Wt.
270 Winchester	S270X	140 gr.
270 WSM	S270WSMX	140 gr.
280 Remington	S280XA	140 gr.
7mm-08 Remington	S708	140 gr.
7mm STW	S7STWX	160 gr.
7mm WSM	S7MMWSMX	160 gr.
7mm Rem Magnum	S7MAGXB	140 gr.
7mm Rem Magnum	S7MAGX	160 gr.
30-06 Springfield	S3006XB	150 gr.
30-06 Springfield	S3006XA	165 gr.
30-06 Springfield	S3006X	180 gr.
300WSM	S300WSMX	180 gr.
300 Winchester Magnum	S300WXB	150 gr.
300 Winchester Magnum	S300WXA	165 gr.
300 Winchester Magnum	S300WX	180 gr.
300 H&H Magnum	S300HX	180 gr.
308 Winchester	S308XA	150 gr.
338 Winchester Magnum	S338XA	230 gr.
375 H&H Magnum	S375HX	270 gr.
375 H&H Magnum	S375HXA	300 gr.

## SUPREME® PARTITION GOLD® (PG)



Partition Gold Moly-Coated bullets incorporate proven Partition® and patented steel insert technology to deliver consistent and dramatic bullet expansion with maximum weight retention and deep penetration.

Cartridge	Symbol	Bullet Wt.
270 Winchester	SPG270	150 gr.
7mm Remington Magnum	SPG7MAG	160 gr.
30-06 Springfield	SPG3006	150 gr.
30-06 Springfield	SPG3006A	180 gr.
300 Win Magnum	SPG300WM	180 gr.
308 Winchester	SPG308	150 gr.
338 Win Magnum	SPG338WM	250 gr.
45-70 Government	SPG4570	300 gr.

## SUPREME® BALLISTIC SILVERTIP® (BST)



Solid base boattail design delivers excellent long range accuracy. Special Lubalox® coating reduces engraving force

Cartridge	Symbol	Bullet Wt.
220 Swift	SBST220	40 gr.
22-250 Remington	SBST22250A	40 gr.
22-250 Remington	SBST22250	50 gr.
22-250 Remington	SBST22250B	55 gr.
222 Remington	SBST222	40 gr.
223 Remington	SBST223A	40 gr.
223 Remington	SBST223	50 gr.
223 Remington	SBST223B	55 gr.
223 WSSM	SBST223SS	55 gr.
243 Winchester	SBST243	55 gr.
243 Winchester	SBST243A	95 gr.
243 WSSM	SBST243SS	55 gr.
243 WSSM	SBST243SSA	95 gr.
25-06 Remington	SBST2506A	85 gr.
25-06 Remington	SBST2506	115 gr.

and barrel fouling. Special jacket contours extend range and reduce wind drift. In varmint calibers the bullet initiates rapid fragmentation. In hunting calibers the tapered jacket and harder lead core ensure proper bullet expansion.

Cartridge	Symbol	Bullet Wt.
270 Winchester	SBST270	130 gr.
270 WSM	SBST2705	130 gr.
270 WSM	SBST2705A	150 gr.
280 Remington	SBST280	140 gr.
7mm-08 Remington	SBST708	140 gr.
7mm STW	SBST7STW	140 gr.
7mm WSM	SBST7MMS	140 gr.
7mm Remington Magnum	SBST7A	140 gr.
7mm Remington Magnum	SBST7	150 gr.
30-06 Springfield	SBST3006	150 gr.
30-06 Springfield	SBST3006A	168 gr.
30-06 Springfield	SBST3006B	180 gr.
300 WSM	SBST3005	150 gr.
300 WSM	SBST3005A	180 gr.
300 Winchester Magnum	SBST300	180 gr.
308 Winchester	SBST308	150 gr.
308 Winchester	SBST308A	168 gr.
338 Winchester Magnum	SBST338	200 gr.

## SUPREME® POWER-POINT PLUS® (PP PLUS)



Unique soft nose jacketed design, with baked on Moly coating, delivers higher velocities and maximum energy on target. Notches around jacket mouth improve upset and ensure uniform, rapid expansion.

Cartridge	Symbol	Bullet Wt.
223 Remington	SHV223R2	64 gr.
243 Winchester	SHV2432	100 gr.
270 Winchester	SHV2704	150 gr.
270 Winchester	SHV2705	130 gr.
7mm-08 Remington	SHV708	140 gr.
7mm Rem Magnum	SHV7MMR1	150 gr.
30-30 Winchester	SHV30306	150 gr.
3006 Springfield	SHV30061	150 gr.
3006 Springfield	SHV30064	180 gr.
300 Winchester Magnum	SHV30WM2	180 gr.
308 Winchester	SHV3085	150 gr.

## SUPREME COMPETITION® (HPBT)



Special Nosler® boattail bullet design with Spiveco/J4® jacket for unmatched concentricity and uniformity to deliver reduced drag and improved down range velocity.

Cartridge	Symbol	Bullet Wt.
308 Winchester	S308J	168 gr.





7mm Remington Mag.	S837A	140	Ballistic Silverlip	D,O/P	2	24	3100	2889	2687	2494	2310	2133	2988	2595	2245	1934	1659	1414	-0.3	0	-0.8	-2.7	-5.8	-10.2	1.3	1.2	0	-2.4	-6.2	-17.9	-38.1
7mm Remington Mag.	S7MAGX	160	Fail Safe	D,O/PL	3	24	2920	2678	2449	2331	2025	1830	3030	2549	2131	1769	1457	1190	-0.2	0	-1.0	-3.4	-7.1	-12.5	1.7	1.5	0	-2.9	-7.5	-22.0	-44.9
30-30 Winchester	SHV30306	150	Power-Point Plus	D	2	24	2480	2095	1747	1446	1209	1053	2049	1462	1017	697	487	369	0.1	0	-2.1	-6.5	-13.8	-24.5	3.3	2.8	0	-5.7	-14.7	-45.7	-98.4
30-06 Springfield	SHV30061	150	Power-Point Plus	D,O/P	2	24	3050	2685	2352	2043	1760	1508	3089	2402	1843	1391	1032	757	-0.2	0	-1	-3.3	-7.3	-13	1.7	1.5	0	-3.1	-8	-24.3	-51.9
30-06 Springfield	SPG3006	150	Partition Gold	D,O/P	2	24	2960	2705	2464	2235	2019	1815	2919	2437	2022	1664	1358	1098	-0.2	0	-1.0	-3.3	-7.0	-12.3	1.6	1.5	0	-2.9	-7.4	-21.7	-44.6
30-06 Springfield	S833006	150	Ballistic Silverlip	D,O/P	2	24	2900	2687	2483	2289	2103	1926	2801	2404	2054	1745	1473	1236	-0.2	0	-1.0	-3.3	-7.0	-12.3	1.7	1.5	0	-2.9	-7.3	-21.2	-43.0
30-06 Springfield	S833006A	168	Ballistic Silverlip	D,O/P	2	24	2790	2599	2416	2240	2072	1911	2903	2520	2177	1872	1601	1362	-0.2	0	-1.1	-3.6	-7.6	-13.2	1.8	1.6	0	-3.1	-7.8	-22.5	-45.2
30-06 Springfield	S3006XB	150	Fail Safe	D,O/P	2	24	2920	2625	2349	2089	1848	1625	2841	2296	1838	1455	1137	880	-0.2	0	-1.1	-3.6	-7.5	-13.4	1.8	1.6	0	-3.2	-8.1	-24.3	-50.5
30-06 Springfield	S3006XA	165	Fail Safe	D,O/PL	3	24	2800	2540	2295	2063	1844	1645	2873	2365	1930	1560	1249	992	-0.1	0	-1.2	-3.9	-8.2	-14.4	2.0	1.7	0	-3.4	-8.6	-25.3	-52.3
NEW 30-06 Springfield	S833006B	180	Ballistic Silverlip	D,O/P	2	24	2750	2572	2402	2237	2080	1928	3022	2644	2305	2001	1728	1486	-0.1	0	-1.2	-3.8	-7.8	-13.6	1.9	1.6	0	-3.2	-7.9	-22.8	-45.7
30-06 Springfield	SHV30064	180	Power-Point Plus	D,O/P	2	24	2770	2563	2366	2177	1997	1826	3068	2627	2237	1894	1594	1333	-0.1	0	-1.2	-3.8	-8.0	-13.8	1.9	1.7	0	-3.2	-8.1	-23.6	-47.8
30-06 Springfield	SPG3006A	180	Partition Gold	D,O/PL	3	24	2750	2550	2359	2176	2001	1835	3022	2599	2223	1891	1599	1345	-0.1	0	-1.2	-3.8	-8.0	-13.9	1.9	1.7	0	-3.2	-8.2	-23.7	-47.9
30-06 Springfield	S3006X	180	Fail Safe	D,O/PL	3	24	2700	2486	2283	2089	1904	1731	2914	2472	2083	1744	1450	1198	-0.1	0	-1.3	-4.1	-8.6	-14.9	2.1	1.8	0	-3.5	-8.7	-25.5	-51.8
300 WSM	S833005	150	Ballistic Silverlip	D,O/P	2	24	3300	3061	2834	2619	2414	2218	3628	3121	2676	2285	1941	1638	-0.3	0	-0.6	-2.2	-4.9	-8.8	1.1	1.1	0	-2.1	-5.4	-15.9	-32.4
NEW 300 WSM	S833005A	180	Ballistic Silverlip	D,O/PL	3	24	3010	2822	2641	2468	2301	2141	3621	2182	2788	2434	2116	1832	-0.2	0	-0.9	-2.9	-6.1	-10.7	1.4	1.3	0	-2.5	-6.4	-18.6	-37.3
300 WSM	S300WSMX	180	Fail Safe	D,O/PL	3	24	2970	2741	2524	2317	2120	1932	3526	3005	2547	2147	1797	1493	-0.2	0	-0.9	-3.1	-6.7	-11.7	1.6	1.4	0	-2.8	-7.0	-20.5	-41.8
300 Winchester Mag.	SHV300WM2	180	Power-Point Plus	D,O/PL	3	24	3070	2846	2633	2430	2236	2051	3768	3239	2772	2361	1999	1681	-0.3	0	-0.8	-2.8	-6.0	-10.6	1.4	1.3	0	-2.5	-6.4	-18.7	-38.0
300 Winchester Mag.	S83300	180	Ballistic Silverlip	D,O/PL	3	24	2950	2764	2586	2415	2250	2092	3478	3054	2673	2331	2023	1749	-0.2	0	-0.9	-3.0	-6.5	-11.3	1.5	1.4	0	-2.7	-6.7	-19.4	-38.9
300 Winchester Mag.	S300WXA	165	Fail Safe	D,O/PL	3	24	3120	2807	2515	2242	1985	1748	3567	2888	2319	1842	1445	1120	-0.3	0	-0.8	-2.9	-6.4	-11.4	1.5	1.3	0	-2.7	-7.0	-20.9	-43.6
300 Winchester Mag.	S300WXB	150	Fail Safe	D,O/P	2	24	3260	2943	2647	2370	2110	1867	3539	2884	2334	1871	1483	1161	-0.3	0	-0.7	-2.5	-5.6	-10.0	1.3	1.2	0	-2.4	-6.2	-18.7	-38.9
300 Winchester Mag.	S300WX	180	Fail Safe	L	3	24	2960	2732	2514	2307	2110	1923	3503	2983	2528	2129	1780	1478	-0.2	0	-1.0	-3.2	-6.8	-11.8	1.6	1.4	0	-2.8	-7.1	-20.7	-42.1
300 Winchester Mag.	SPG300WM	180	Partition Gold	O/PL	3	24	3070	2859	2657	2464	2280	2103	3768	3267	2823	2428	2078	1768	-0.3	0	-0.8	-2.8	-5.9	-10.4	1.4	1.3	0	-2.5	-6.3	-18.3	-37.1
300 H&H Magnum	S300HX	180	Fail Safe	L	3	24	2880	2628	2390	2165	1952	1752	3316	2762	2284	1873	1523	1227	-0.2	0	-1.1	-3.5	-7.5	-13.2	1.8	1.6	0	-3.1	-7.9	-23.2	-47.6
308 Winchester	SHV3085	150	Power-Point Plus	D,O/P	2	24	2900	2558	2241	1946	1678	1441	2802	2180	1672	1262	938	692	-0.2	0	-1.2	-3.8	-8.2	-14.6	1.9	1.7	0	-3.4	-8.9	-27.0	-57.4
308 Winchester	SPG308	150	Partition Gold	D,O/P	2	24	2900	2645	2405	2177	1962	1760	2802	2332	1927	1579	1282	1032	-0.2	0	-1.1	-3.5	-7.4	-13.0	1.7	1.6	0	-3.1	-7.8	-22.9	-47.0
308 Winchester	S83308	150	Ballistic Silverlip	D,O/P	2	24	2810	2601	2401	2211	2028	1856	2629	2253	1920	1627	1370	1147	-0.2	0	-1.1	-3.6	-7.6	-13.3	1.8	1.6	0	-3.1	-7.8	-22.8	-46.2
308 Winchester	S83308A	168	Ballistic Silverlip	D,O/P	2	24	2670	2484	2306	2134	1971	1815	2659	2301	1983	1699	1449	1229	-0.1	0	-1.3	-4.1	-8.6	-14.8	2.1	1.8	0	-3.4	-8.6	-24.8	-50.0
308 Winchester Match	S308J	168	Hollow Point Boat Tail Match	-	-	24	2680	2485	2297	2118	1948	1786	2680	2303	1970	1674	1415	1190	-0.1	0	-1.3	-4.1	-8.6	-14.9	2.1	1.8	0	-3.4	-8.7	-25.1	-50.7
308 Winchester	S308XA	150	Fail Safe	D,O/P	2	24	2820	2533	2263	2010	1775	1561	2649	2137	1706	1346	1049	812	-0.1	0	-1.2	-3.9	-8.4	-14.7	2.0	1.7	0	-3.4	-8.8	-26.2	-54.6
338 Winchester Mag.	S83338	200	Ballistic Silverlip	D,O/PL	3	24	2950	2724	2509	2303	2108	1922	3864	3294	2794	2355	1972	1640	-0.2	0	-1.0	-3.2	-6.8	-11.9	1.6	1.4	0	-2.8	-7.1	-20.8	-42.3
338 Winchester Mag.	S338XA	230	Fail Safe	LXL	3	24	2780	2573	2375	2186	2005	1834	3948	3382	2881	2441	2054	1719	-0.1	0	-1.2	-3.8	-7.9	-13.7	1.9	1.7	0	-3.2	-8.1	-23.4	-47.4
338 Winchester Mag.	SPG338WM	250	Partition Gold	LXL	3	24	2650	2467	2291	2122	1960	1807	3899	3378	2914	2520	2134	1812	-0.1	0	-1.3	-4.2	-8.8	-15.1	2.1	1.8	0	-3.5	-8.7	-25.2	-50.7
357 Magnum #	S357P	180	Partition Gold	D	2	20	1550	1160	965	854	770	698	960	538	372	292	237	195	0	-4.0	-14.5	-33.0	-60.7	-99.1	0	-8.5	-24.9	-50.7	-87.1	-196.8	-365.5
375 H&H Magnum	S375HX	270	Fail Safe	LXL	4	24	2670	2447	2234	2033	1842	1664	4275	3590	2994	2478	2035	1662	-0.1	0	-1.4	-4.3	-9.0	-15.6	2.2	1.9	0	-3.6	-9.1	-28.7	-54.5
375 H&H Magnum	S375HXA	300	Fail Safe	LXL	4	24	2530	2336	2151	1974	1806	1649	4265	3636	3082	2596	2173	1811	0	0	-1.6	-4.8	-10.1	-17.2	2.4	2.1	0	-4.0	-10.0	-26.9	-58.4
NEW 41 Remington Mag. #	S41PHF	240	Platinum Tip™	D	2	20	1830	1488	1220	1048	945	870	1784	1180	792	585	476	404	0	-2.3	-8.5	-19.6	-36.5	-60.3	0	-5.1	-15.0	-30.8	-53.4	-123.4	-232.3
NEW 44 Remington Mag. #	S44PHF	250	Platinum Tip	D	2	20	1830	1475	1201	1032	931	857	1859	1208	801	591	481	408	0	-2.3	-8.7	-19.9	-37.2	-61.7	0	-5.2	-15.3	-31.4	-54.7	-126.6	-238.7
44 Remington Mag. #	S44MP	250	Partition Gold	D	2	20	1810	1455	1188	1025	926	853	1818	1175	783	583	476	404	0	-2.1	-8.4	-19.7	-37.2	-61.9	0	-5.2	-15.4	-31.9	-55.5	-128.7	-242.3
45-70 Government	SPG4570	300	Partition Gold	L	3	24	1880	1558	1292	1103	988	910	2355	1616	1112	811	651	551	0	-1.5	-6.5	-15.8	-30.2	-50.4	0	-4.3	-12.9	-26.6	-46.0	-104.9	-193.7

Gene Selector	Examples	CPX Class
V-Varmint	Prairie dog, coyote, woodchuck	1
D-Deer	Antelope, deer, black bear	2
L-Large Game	Caribou, elk, moose	3
XLP-Open of Plains	Large, heavy game Cape Buffalo, elephant	4

\*\* Intended for use in fast twist barrels (e.g., 1 in. 7 to 1 in. 9).  
Slower twist barrels may not sufficiently stabilize bullet.  
# Acceptable for use in pistols and revolvers also.

**EXTRA LARGE AMERICAN GAME**

Built to penetrate thick outer tough hide, heavy bone and powerful muscle tissue.

# SUPER-X® CENTERFIRE RIFLE BALLISTICS

Cartridge	Symbol	Bullet Wt. Grs.	Bullet Type	Game Selector	CXP Barrel Guide Number	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory, Short Range Yards					Trajectory, Long Range Yards										
						Muzzle	100	200	300	400	500	Muzzle	100	200	300	400	500	50	100	150	200	250	300	400	500						
218 Bee	X218B	46	Hollow Point	V	1	24	2760	2102	1550	1155	961	850	778	451	245	136	94	74	0.3	-0.2	-3.2	-7.2	-15.8	-29.4	1.5	0	-4.2	-12.0	-24.8	-71.4	-155.6
22 Hornet	X22H1	45	Soft-Point	V	1	24	2690	2042	1502	1128	948	840	723	417	225	127	90	70	0.3	-0.2	-4.7	-16.9	-31.3	1.6	0	-4.5	-12.8	-26.4	-75.6	-163.4	
22 Hornet	X22H2	46	Hollow Point	V	1	24	2690	2042	1502	1128	948	841	739	426	230	130	92	72	0.3	-0.2	-4.7	-16.9	-31.3	1.6	0	-4.5	-12.8	-26.4	-75.5	-163.3	
220 Swift	X220S	50	Pointed Soft Point	V	1	24	3870	3317	2816	2373	1972	1616	1663	1226	881	625	432	290	-0.4	0.0	-0.4	-1.7	-4.1	-7.8	0.8	0.9	0	-2.0	-5.2	-16.7	-37.1
22-250 Remington	X222501	55	Pointed Soft Point	V	1	24	3680	3137	2656	2222	1832	1493	1654	1201	861	603	410	272	0.2	0.5	0.0	-1.6	-4.4	-8.7	2.3	2.6	1.9	0	-3.4	-15.9	-38.9
222 Remington	X222R	50	Pointed Soft Point	V	1	24	3140	2602	2123	1700	1350	1107	1094	752	500	321	202	136	0.5	0.9	0.0	-2.5	-6.9	-13.7	2.2	1.9	0	-3.8	-10.0	-32.3	-73.8
223 Remington	X223RH	53	Hollow Point	V	1	24	3330	2882	2477	2106	1770	1475	1305	978	722	522	369	256	0.3	0.7	0.0	-1.9	-5.3	-10.3	1.7	1.4	0	-2.9	-7.4	-22.7	-49.1
223 Remington	X223R	55	Pointed Soft Point	V	1	24	3240	2747	2304	1905	1554	1270	1282	921	648	443	295	197	0.4	0.8	0.0	-2.2	-6.0	-11.8	1.9	1.6	0	-3.3	-8.5	-26.7	-59.6
223 Remington	X223R2**	64	Power-Point®	D	2	24	3020	2656	2320	2009	1724	1473	1296	1003	765	574	423	308	0.1	0.7	0.0	-2.1	-5.8	-11.4	1.7	1.6	0	-3.2	-8.2	-25.1	-53.6
NEW 223 WSSM	X223WSS	55	Pointed Soft Point	V	1	24	3850	3367	2934	2541	2181	1851	1810	1384	1051	789	581	418	-0.4	0.0	-0.4	-1.6	-3.8	-7.2	0.8	0.8	0	-1.8	-4.9	-15.1	-32.8
NEW 223 WSSM	X223WSS1	64	Power-Point	D	2	24	3400	3144	2732	2356	2011	1698	1841	1404	1061	789	574	410	-0.4	0.0	-0.5	-2.4	-4.7	-8.8	1.1	1.0	0	-2.2	-5.7	-17.7	-38.5
5.56 mm	SC556NT	55	Tin SP	Training		24	3090	2457	1912	1455	1133	966	1161	737	446	259	157	114	-0.2	-0.1	-1.3	-4.4	-9.9	-18.5	2.2	2.0	0	-4.4	-7.0	-40.7	-96.4
225 Winchester	X2251	55	Pointed Soft Point	V	1	24	3570	3066	2616	2208	1838	1514	1556	1148	836	595	412	280	0.2	0.6	0.0	-1.7	-4.6	-9.0	2.4	2.8	2.0	0	-3.5	-16.3	-39.5
243 Winchester	X2431	80	Pointed Soft Point	V	1	24	3350	2955	2593	2259	1951	1670	1993	1551	1194	906	676	495	0.3	0.7	0.0	-1.8	-4.9	-9.4	2.6	2.9	2.1	0	-3.6	-16.2	-37.9
243 Winchester	X2432	100	Power-Point	D,O/P	2	24	2960	2697	2449	2215	1993	1786	1945	1615	1332	1089	882	708	0.5	0.9	0.0	-2.2	-5.8	-11.0	1.9	1.6	0	-3.1	-7.8	-22.6	-46.3
NEW 243 WSSM*	X243WSS	100	Power-Point	D,O/P	2	24	3110	2838	2583	2314	2112	1897	2147	1789	1481	1217	991	799	-0.3	0.0	-0.8	-2.8	-6.1	-10.9	1.4	1.3	0	-2.6	-6.6	-19.7	-40.5
6mm Remington	X6MMR2	100	Power-Point	D,O/P	2	24	3100	2829	2573	2332	2104	1889	2133	1777	1470	1207	983	792	0.4	0.8	0.0	-1.9	-5.2	-9.9	1.7	1.5	0	-2.8	-7.0	-20.4	-41.7
25-06 Remington	X25061	90	Positive Exp. Pt.	V	1	24	3440	3043	2680	2344	2034	1749	2364	1850	1435	1098	827	611	0.3	0.6	0.0	-1.7	-4.5	-8.8	2.4	2.7	2.0	0	-3.4	-15.0	-35.2
25-06 Remington	X25062	120	Positive Exp. Pt.	D,O/P	2	24	2990	2730	2484	2252	2032	1825	2382	1985	1644	1351	1100	887	0.5	0.8	0.0	-2.1	-5.6	-10.7	1.9	1.6	0	-3.0	-7.5	-22.0	-44.8
25-20 Winchester	X25202	86	Soft Point	V	1	24	1460	1194	1030	931	858	798	407	272	203	165	141	122	0	-4.1	-14.4	-31.8	-57.3	-92.0	0	-8.2	-23.5	-47.0	-79.6	-175.9	
25-35 Winchester	X2535	117	Soft Point	D	2	24	2330	1866	1545	1282	1097	984	1292	904	620	427	313	252	0.6	0.0	-3.1	-9.2	-19.0	-33.1	2.1	0	-5.1	-13.8	-27.0	-70.1	-142.0
250 Savage	X2503	100	Silvertip®	D,O/P	2	24	2820	2467	2140	1839	1569	1339	1765	1351	1017	751	547	398	0.2	0.0	-1.6	-4.9	-10.0	-17.4	2.4	2.0	0	-3.9	-10.1	-30.5	-65.2
257 Roberts + P	X257R3	117	Power-Point	D,O/P	2	24	2780	2411	2071	1761	1488	1263	2009	1511	1115	806	576	415	0.8	1.1	0.0	-2.9	-7.8	-15.1	2.6	2.2	0	-4.2	-10.8	-33.0	-70.0
264 Winchester Mag.	X2642	140	Power-Point	D,O/P	2	24	3030	2782	2548	2326	2114	1914	2854	2406	2018	1682	1389	1139	0.5	0.8	0.0	-2.0	-5.4	-10.2	1.8	1.5	0	-2.9	-7.2	-20.8	-42.2
6.5 x 55 Swedish	X6555	140	Soft Point	D,O/P	2	24	2550	2359	2176	2002	1836	1680	2022	1731	1473	1246	1048	878	0	-1.5	-4.8	-9.8	-16.9	2.4	2	0	-3.9	-9.7	-28.1	-56.8	
270 Winchester	X2705	130	Power-Point	D,O/P	2	24	3060	2802	2559	2329	2110	1904	2702	2267	1890	1565	1285	1046	0.4	0.8	0.0	-2.0	-5.3	-10.1	1.8	1.5	0	-2.8	-7.1	-20.6	-42.0
270 Winchester	X2703	130	Silvertip	D,O/P	2	24	3060	2776	2510	2259	2022	1801	2702	2225	1818	1472	1180	936	0.5	0.8	0.0	-2.0	-5.5	-10.4	1.8	1.5	0	-2.9	-7.4	-21.6	-44.3
270 Winchester	X2704	150	Power-Point	D,O/P	2	24	2850	2585	2336	2100	1879	1673	2705	2226	1817	1468	1175	932	0.6	1.0	0.0	-2.4	-6.4	-12.2	2.2	1.8	0	-3.4	-8.6	-25.0	-51.4
270 WSM	X270WSM	150	Power-Point	D,O/P	2	24	3150	2867	2601	2350	2113	1890	3304	2737	2252	1839	1487	1190	-0.3	0.0	-0.8	-2.7	-6.0	-10.6	1.4	1.3	0	-2.6	-6.5	-19.4	-40.1
284 Winchester	X2842	150	Power-Point	D,O/P	3	24	2860	2595	2344	2108	1886	1680	2724	2243	1830	1480	1185	940	0.6	1.0	0.0	-2.4	-6.3	-12.1	2.1	1.8	0	-3.4	-8.5	-24.8	-51.0
7mm-08 Remington	X708	140	Power-Point	D,O/P	2	24	2800	2523	2268	2027	1802	1596	2429	1980	1599	1277	1010	792	-0.1	-1.2	-4.0	-8.4	-14.7	2.0	1.8	0	-3.4	-8.8	-26.0	-54.0	
7mm Mouser (7x57)	X7MM1	145	Power-Point	D	2	24	2660	2413	2180	1959	1754	1564	2279	1875	1500	1236	990	788	0.2	-1.7	-5.1	-10.3	-17.5	1.1	0	-2.8	-7.4	-14.1	-34.4	-66.1	
7mm WSM	X7MMWSM	150	Power-Point	D,O/P	2	24	3200	2915	2648	2396	2157	1933	3410	2830	2335	1911	1550	1245	-0.3	0.0	-0.7	-2.6	-5.7	-10.2	1.3	1.2	0	-2.5	-6.3	-18.6	-38.5
7mm STW	X75TW1	150	Power-Point	D,O/P	2	24	3280	3018	2770	2537	2314	2103	3583	3032	2556	2142	1783	1473	-0.3	0.0	-0.6	-2.3	-5.1	-9.2	1.2	1.1	0	-2.2	-5.7	-16.8	-34.4
7mm Remington Mag.	X7MMR1	150	Power-Point	D,O/P	2	24	3090	2812	2551	2304	2071	1852	3181	2634	2167	1768	1429	1143	-0.3	0.0	-0.8	-2.9	-6.3	-11.2	1.5	1.3	0	-2.7	-6.8	-20.2	-41.6
7mm Remington Mag.	X7MMR2	175	Power-Point	D,O/P	3	24	2860	2645	2440	2244	2057	1879	3178	2718	2313	1956	1644	1372	0.6	0.9	0.0	-2.3	-6.0	-11.3	2.0	1.7	0	-3.2	-7.9	-22.7	-45.8
7.62 x 39mm	X76239	123	Soft Point	D,V	2	20	2365	2033	1731	1465	1248	1093	1527	1129	818	586	425	327	0.5	0.0	-2.6	-7.6	-15.4	-26.7	3.8	3.1	0	-6.0	-15.4	-46.3	-98.4
30 Carbine	X30M1	110	Hollow Soft Point	V	1	20	1990	1567	1236	1035	923	842	967	600	373	262	208	173	0.9	0.0	-4.5	-13.5	-28.3	-49.9	0	-4.5	-13.5	-28.3	-49.9	-118.6	-228.2
30-30 Winchester	X30301	150	Hollow Point	D	2	24	2390	2018	1684	1398	1177	1036	1902	1356	944	651	461	357	0.5	0.0	-2.6	-7.7	-16.0	-27.9	1.7	0	-4.3	-11.6	-22.7	-59.1	-120.5
30-30 Winchester	X30306	150	Power-Point	D	2	24	2390	2018	1684	1398	1177	1036	1902	1356	944	65															

Cartridge	Symbol	Wt. Grs.	Bullet Type	Per Box	Length (in.)	Velocity in Feet Per Second (fps)	Energy in Foot Pounds (ft.-lbs.)	Trajectory, Short Range Yards	Trajectory, Long Range Yards
30-06 Springfield	X30063	150	Silvertip	2	24	2910 2617 2342 2083 1843 1622	2820 2281 1827 1445 1131 876 0.6 0.9 0 -2.3 -6.3 -12.0	2.1 1.8 0 -3.3 -8.5 -25.0 -51.8	
30-06 Springfield	X30065	165	Pointed Soft Point	2	24	2800 2573 2357 2151 1956 1772	2873 2426 2036 1696 1402 1151 0.7 1.0 0 -2.5 -6.5 -12.2	2.2 1.9 0 -3.6 -8.4 -24.4 -49.6	
30-06 Springfield	X30064	180	Power-Point	2	24	2700 2497 2304 2118 1942 1775	2913 2492 2121 1793 1507 1259 -0.1 0 -1.3 -4.1 -8.5 -14.7	2.0 1.8 0 -3.4 -8.6 -24.9 -50.5	
30-06 Springfield	X30066	180	Silvertip	3	24	2700 2469 2250 2042 1846 1663	2913 2436 2023 1666 1362 1105 0.2 0 -1.6 -4.8 -9.7 -16.5	2.4 2.0 0 -3.7 -9.3 -27.0 -54.9	
30-40 Krag	X30401	180	Power-Point	2	24	2430 2099 1795 1525 1298 1128	2360 1761 1288 929 673 508 0.4 0 -2.4 -7.1 -14.5 -25.0	1.6 0 -3.9 -10.5 -20.3 -51.7 -103.9	
300 WSM	X300WSM	180	Power-Point	3	24	2970 2755 2549 2353 2166 1987	3526 3034 2598 2214 1875 1578 0.1 0.6 0 -1.9 -5.0 -9.7	1.5 1.4 0 -2.7 -6.9 -20.1 -40.7	
300 Winchester Mag.	X300WM1	150	Power-Point	2	24	3290 2951 2636 2342 2068 1813	3405 2900 2314 1827 1424 1095 0.3 0.7 0 -1.8 -4.8 -9.3	2.6 2.9 2.1 0 -3.5 -15.4 -35.5	
300 Winchester Mag.	X300WM2	180	Power-Point	3	24	2960 2745 2540 2344 2157 1979	3501 3011 2578 2196 1859 1565 0.5 0.8 0 -2.1 -5.5 -10.4	1.9 1.6 0 -2.9 -7.3 -20.9 -41.9	
300 Savage	X3001	150	Power-Point	2	24	2630 2311 2015 1743 1500 1295	2303 1779 1352 1012 749 558 0.3 0 -1.9 -5.7 -11.6 -19.9	2.8 2.3 0 -4.5 -11.5 -34.4 -73.0	
303 British	X30381	180	Power-Point	3	24	2460 2233 2018 1816 1629 1459	2418 1993 1627 1318 1060 851 0.3 0 -2.1 -6.1 -12.2 -20.8	1.4 0 -3.3 -8.8 -16.6 -40.4 -77.4	
307 Winchester	X3076	180	Power-Point	2	24	2510 2179 1874 1599 1362 1177	2519 1898 1404 1022 742 554 0.3 0 -2.2 -6.5 -13.3 -22.9	1.5 0 -3.6 -9.6 -18.6 -47.1 -93.7	
308 Winchester	X3085	150	Power-Point	2	24	2820 2488 2179 1893 1633 1405	2648 2061 1581 1193 888 657 0.2 0 -1.6 -4.8 -9.8 -16.9	2.4 2.0 0 -3.8 -9.8 -29.3 -62.0	
308 Winchester	X3086	180	Power-Point	2	24	2620 2274 1955 1666 1414 1212	2743 2066 1527 1109 799 587 0.3 0 -2.0 -5.9 -12.1 -20.9	2.9 2.4 0 -4.7 -12.1 -36.9 -79.1	
308 Winchester	X3083	180	Silvertip	3	24	2620 2393 2178 1974 1782 1604	2743 2288 1896 1557 1269 1028 0.2 0 -1.8 -5.2 -10.4 -17.7	2.6 2.1 0 -4.0 -9.9 -28.9 -58.8	
32 Wm Special	X32WS2	170	Power-Point	2	24	2250 1870 1537 1267 1082 971	1911 1320 892 606 442 356 0.6 0 -3.1 -9.2 -19.0 -33.2	2.0 0 -5.1 -13.8 -27.1 -70.9 -144.3	
32-20 Winchester	X32201	100	Lead	1	24	1210 1021 913 834 769 712	325 231 185 154 131 113 0 -6.3 -20.9 -44.9 -79.3 -125.1	0 -11.5 -32.3 -63.6 -106.3 -230.3	
8mm Moser (8 x 57)	X8MM	170	Power-Point	2	24	2360 1969 1622 1333 1123 997	2102 1463 993 671 476 375 0.5 0 -2.7 -8.2 -17.0 -29.8	1.8 0 -4.5 -12.4 -24.3 -63.8 -130.7	
338 Winchester Mag.	X3381	200	Power-Point	3	24	2960 2658 2375 2110 1862 1635	3890 3137 2505 1977 1539 1187 0.5 0.9 0 -2.3 -6.1 -11.6	2.0 1.7 0 -3.2 -8.2 -24.3 -50.4	
348 Winchester	X3483	200	Silvertip	3	24	2520 2215 1931 1672 1443 1293	2820 2178 1656 1241 925 697 0.3 0 -2.1 -6.2 -12.7 -21.9	1.4 0 -3.4 -9.2 -17.7 -44.4 -87.9	
35 Remington	X35R1	200	Power-Point	2	24	2020 1646 1335 1114 985 901	1812 1203 791 551 431 360 0.9 0 -4.1 -12.1 -25.1 -43.9	2.7 0 -6.7 -18.3 -35.8 -92.8 -185.5	
356 Winchester	X3561	200	Power-Point	2	24	2460 2114 1797 1517 1284 1113	2688 1985 1434 1022 732 550 0.4 0 -2.3 -7.0 -14.3 -24.7	1.6 0 -3.8 -10.4 -20.1 -51.2 -102.3	
357 Magnum #	X3574P	158	Jacketed Hollow Point	2	20	1830 1427 1138 980 883 809	1175 715 454 337 274 229 0 -2.4 -9.1 -21.0 -39.2 -64.3	0 -5.5 -16.2 -33.1 -57.0 -128.3 -235.8	
357 Magnum #	X3575P	158	Jacketed Soft Point	2	20	1830 1427 1138 980 883 809	1175 715 454 337 274 229 0 -2.4 -9.1 -21.0 -39.2 -64.3	0 -5.5 -16.2 -33.1 -57.0 -128.3 -235.8	
358 Winchester	X3581	200	Silvertip	3	24	2490 2171 1876 1610 1379 1194	2753 2093 1563 1151 844 633 0.4 0 -2.2 -6.5 -13.3 -23.0	1.5 0 -3.6 -9.7 -18.6 -47.2 -94.1	
375 Winchester	X375W	200	Power-Point	2	24	2200 1841 1526 1268 1089 980	2150 1506 1034 714 527 427 0.6 0 -3.2 -9.5 -19.5 -33.8	2.1 0 -5.2 -14.1 -27.4 -70.1 -138.1	
38-40 Winchester	X3840	180	Soft Point	2	24	1160 999 901 827 764 710	538 399 324 273 233 201 0 -6.7 -22.2 -47.3 -83.2 -130.8	0 -12.1 -33.9 -66.4 -110.6 -238.3	
38-55 Winchester	X3855	255	Soft Point	2	24	1320 1190 1091 1018 963 917	987 802 674 587 525 476 0 -4.7 -15.4 -32.7 -57.2 -89.3	0 -8.4 -23.4 -45.6 -75.2 -158.8 -277.4	
44 Remington Magnum # X44MHSP2	X4440	240	Hollow Soft Point	2	24	1760 1362 1094 953 861 789	1650 988 638 484 395 332 0 -2.7 -10.2 -23.6 -44.2 -73.3	0 -6.1 -18.1 -37.4 -65.1 -150.3 -282.5	
44-40 Winchester	X4440	200	Soft Point	2	24	1190 1006 900 822 756 699	629 449 360 300 254 217 0 -6.5 -21.6 -46.3 -81.8 -129.1	0 -11.8 -33.3 -65.5 -109.5 -237.4	
45-70 Government	X4570H	300	Jacketed Hollow Point	2	24	1880 1650 1425 1235 1105 1010	2355 1815 1355 1015 810 680 0 -2.4 -8.2 -17.6 -31.4 -51.5	0 -4.6 -12.8 -25.4 -44.3 -95.5	
458 Winchester Magnum X4581	X4581	510	Soft Point	3	24	2040 1770 1527 1319 1157 1046	4712 3547 2640 1970 1516 1239 0.8 0 -3.5 -10.3 -20.8 -35.6	2.4 0 -5.6 -14.9 -28.5 -71.5 -140.4	

# USA BRAND CENTERFIRE RIFLE BALLISTICS

Cartridge	Symbol	Wt. Grs.	Bullet Type	Per Box	Length (in.)	Velocity in Feet Per Second (fps)	Energy in Foot Pounds (ft.-lbs.)	Trajectory, Short Range Yards					Trajectory, Long Range Yards				
								100	200	300	400	500	50	100	150	200	250
223 Rem	USA2232	45	Jacketed Hollow Point	40	24	3600 3033 2533 2085 1687 1356	1295 919 641 434 284 184 -1.5 0 -0.6 -2.3 -5.4 -10.1	1.2 1.1 0 -2.5 -6.7 -21.4 -48.7									
223 Rem	USA2232F	45	Jacketed Hollow Point	50	24	3600 3033 2533 2084 1687 1355	1295 919 641 434 284 183 -0.4 0 -0.6 -2.3 -5.4 -10.1	1.2 1.1 0 -2.5 -6.7 -21.4 -48.7									
223 Rem	USA223RF	55	Pointed Soft Point	50	24	3240 2747 2304 190 1554 1270	1282 921 648 443 295 197 -0.3 0 -0.9 -3.2 -7.1 -13.1	1.6 1.5 0 -3.1 -8.2 -26.2 -58.7									
223 Rem	USA223R1	55	Full Metal Jacket	20	24	3240 2854 2499 2172 1869 1597	1282 995 763 576 427 311 -0.3 0 -0.8 -2.8 -6.2 -11.2	1.4 1.3 0 -2.7 -7.0 -21.4 -45.9									
223 Rem	USA223R1F	55	Full Metal Jacket	50	24	3240 2854 2499 2172 1869 1597	1282 995 763 576 427 311 -0.3 0 -0.8 -2.8 -6.2 -11.2	1.4 1.3 0 -2.7 -7.0 -21.4 -45.9									
223 Rem	USA223R3	62	Full Metal Jacket	20	24	3100 2762 2448 2151 1884 1636	1323 1050 825 640 488 368 -0.2 0 -0.9 -3.1 -6.7 -12.0	1.5 1.4 0 -2.9 -7.1 -22.3 -47.1									
22-250 Rem	USA222502	45	Jacketed Hollow Point	40	24	4000 3346 2781 2281 1837 1458	1598 1118 773 520 337 212 -0.4 0 -0.4 -1.6 -4.1 -7.8	0.8 0.9 0 -2.0 -5.4 -17.5 -40.2									
5.56mm	Q3131A	55	Full Metal Jacket	20	20	3270 2898 2555 2238 1943 1675	1306 1025 797 611 461 342 0.0 0 -1.0 -3.3 -6.8 -11.9	1.6 1.4 0 -2.7 -7.0 -21.4 -44.2									
30 Carbine	Q3132	110	Full Metal Jacket	50	20	1990 1596 1279 1070 952 870	967 622 399 280 221 185 0.9 0 -4.5 -13.2 -26.9 -47.4	6.5 5.4 0 -10.7 -27.9 -86.1 -182.4									
7.62x39mm	Q3174	123	Full Metal Jacket	20	20	2355 2026 1726 1463 1247 1093	1515 1121 814 584 425 326 0.5 0 -2.6 -4.6 -15.8 -27.1	3.8 3.2 0 -6.1 -15.6 -47.6 -102									
30-06 Springfield	USA3006	147	Full Metal Jacket	20	24	3020 2794 2579 2374 2178 1992	2976 2548 2171 1839 1549 1295 -0.2 0 -0.9 -3.0 -6.4 -11.2	1.5 1.3 0 -2.7 -6.7 -19.6 -39.9									
308 Win	USA3081	147	Full Metal Jacket	20	24	2800 2582 2374 2176 1987 1812	2559 2176 1840 1545 1289 1072 -0.1 0 -1.2 -3.7 -7.8 -13.6	1.9 1.6 0 -3.2 -8 -23.5 -46.6									



**VARMINTS**  
Powder expansion or fragmentation for impact.



**LIGHT, THIN-SKINNED GAME**  
Rapid expansion, Penetrates thin skin, light muscle and bone.



**LARGE HEAVY GAME**  
Delayed expansion, Deep penetration through thick, tough skin, heavy muscle tissue & bone.



**EXTRA LARGE AMERICAN GAME**  
Built to penetrate thick extra tough hide, heavy bone and powerful muscle tissue.

\*Preliminary Data - Subject to change when validated.



# HANDGUN



## Super-X® Silvertip® Handgun Ammunition

Super-X Silvertip offers a unique combination of power, precision, reliable functioning, and on-target performance via a specially engineered jacketed bullet. This bullet delivers penetration and rapid energy release with virtually no weight loss or bullet fragmentation.

## Super Clean NT® Non-Toxic Handgun Ammunition

Winchester® Super Clean NT was the first commercial handgun ammunition ever developed to meet the totally non-toxic needs of indoor ranges.

By featuring a 100% lead free Jacketed Soft Point Tin Core bullet and Winchester's patented, lead free/heavy metal free primer and clean burning propellant, Super Clean NT delivers a breakthrough in accurate and 100% non-toxic, high performance shooting and training ammunition.

## WinClean® Handgun Ammunition

WinClean handgun ammunition provides a safer indoor range shooting environment by eliminating airborne lead exposure at the firing point. By incorporating a patented lead and heavy metal free primer with a unique brass enclosed base bullet design, WinClean prevents lead vaporization from the bullet's base. The result is a benchmark for cleanliness with less smoke, less barrel residue and remarkably cleaner guns and shell casings - all at a value price.

## USA Brand Handgun Ammunition

For serious centerfire handgun shooters, USA brand ammunition is the ideal choice for training - or extended sessions at the range. As you'd expect, all USA Brand centerfire handgun ammunition features high quality, performance and reliability at a low price.

## Winchester® Supreme® Platinum Tip™ Handgun Hunting Ammunition

This new line of high performance handgun hunting ammunition was designed from the ground up to meet the performance needs of serious handgun hunters. Featuring a patented, thick wall reverse-taper jacket design, the Platinum Tip bullet incorporates a strategic lead core notching and a specially designed two-part hollow point cavity to deliver superior accuracy, uniform bullet expansion and weight retention - and maximum on-target knock-down energy at all handgun ranges.

## Supreme® Partition Gold® Handgun Ammunition

Winchester® Supreme Partition Gold handgun ammunition gives hunters a greater edge in the field - regardless of handgun barrel length or distance to the target.

The special Partition Gold® design facilitates low velocity bullet expansion while resisting petal loss at higher velocities. The Partition Gold bullet's thick wall and precise heel shape design delivers excellent accuracy to target - and improved bullet integrity upon target impact at high velocities by locking the heavy rear lead core in place.

## Supreme® SXT® Personal Protection Handgun Ammunition

From its inception, Supreme SXT ammunition was designed to be the ultimate high-tech, high performance handgun ammunition for personal protection - regardless of the caliber or handgun barrel length used.

Featuring a patented, reverse-taper jacketed hollow point bullet design and advanced two-stage hollow point cavity configuration, Supreme SXT delivers superior accuracy, dramatic expansion, optimum penetration for maximum energy deposit, and minimum bullet weight loss or fragmentation.



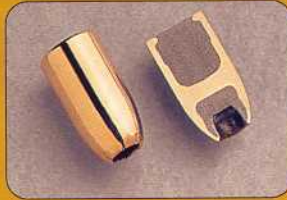
## SUPREME PLATINUM TIP™ HOLLOW POINT (PTHP)



- Patented Notched Reverse Taper Bullet Jacket
- Plated Heavy Wall Jacket and 2-Part Hollow Point Cavity for Uniform Bullet Expansion
- Massive Energy Deposit
- High Accuracy

Cartridge	Symbol	Bullet Wt.
<b>NEW</b> 41 Remington Magnum	S41PTHP	240 gr.
<b>NEW</b> 44 Remington Magnum	S44PTHP	250 gr.
<b>NEW</b> 454 Casull®	S454PTHP	260 gr.

## SUPREME® PARTITION GOLD® (PG)



- Proven Partition Technology
- Consistent, Dramatic Bullet Expansion
- Deep Penetration, Regardless of Barrel Length
- Maximum Weight Retention
- Extremely Accurate

Cartridge	Symbol	Bullet Wt.
357 Magnum	S357P	180 gr.
44 Remington Magnum	S44MP	250 gr.
45 Winchester Magnum	SPG45WM	260 gr.
454 Casull®	SPG454	260 gr.

## SUPREME® SXT® SUPREME EXPANSION TECHNOLOGY (SXT)



- Reverse Taper Jacket Design
- Uniform Bullet Expansion
- Excellent Accuracy
- Positive Functioning

Cartridge	Symbol	Bullet Wt.
380 Automatic	S380	95 gr.
38 Special +P	S38SP	130 gr.
9mm Luger	S9	147 gr.
40 Smith & Wesson	S401	165 gr.
40 Smith & Wesson	S40	180 gr.
45 Automatic	S45	230 gr.

## SUPER-X® SILVERTIP® HOLLOW POINT (STHP)



- Rapid Energy Deposit
- Positive Functioning
- Uniform Expansion



Cartridge	Symbol	Bullet Wt.
32 Automatic	X32ASHP	60 gr.
380 Automatic	X380ASHP	85 gr.
38 Special	X38S9HP	110 gr.
38 Special +P	X38S8HP	125 gr.
9mm Luger	X9MMSHP	115 gr.
9mm Luger	X9MMST1.47	147 gr.
9x23 Win	X923W	125 gr.
38 Super +P	X38ASHP	125 gr.
357 Magnum	X357SHP	145 gr.
40 Smith & Wesson	X40SWSTHP	155 gr.
10mm Automatic	X10MMSTHP	175 gr.
41 Rem Magnum	X41MSTHP2	175 gr.
44 S&W Special	X44STHPS2	200 gr.
44 Rem Magnum	X44MS	210 gr.
45 Automatic	X45ASHP2	185 gr.
45 Colt	X45CSHP2	225 gr.

## JACKETED SOFT/HOLLOW POINT (JSP/JHP/HSP)



- Positive Expansion
- Proven Accuracy
- Notched Jacket



Cartridge	Symbol	Bullet Wt.
30 Carbine	X30M1	110 gr.
38 Special +P	USA38JHP	125 gr.
38 Special +P	X38S7PH	125 gr.
38 Special +P	USA38SP	125 gr.
9mm Luger	USA9JHP	115 gr.
9mm Luger	USA9JHP2	147 gr.
9x23 Win	Q4304	124 gr.
357 SIG	USA357SJHP	125 gr.
357 Magnum	X3576P	125 gr.
357 Magnum	X3574P	158 gr.
357 Magnum	X3575P	158 gr.
357 Magnum	Q4204	110 gr.
40 Smith & Wesson	USA40JHP	180 gr.
44 Rem Magnum	Q4240	240 gr.
44 Rem Magnum	X44MHSP2	240 gr.
45 Automatic	USA45JHP	230 gr.
45 Winchester Magnum	X45WMA	260 gr.
454 Casull®	X454C3	250 gr.
454 Casull®	X454C22	300 gr.

## LEAD ROUND / FLAT NOSE (LRN/LFN)



- Excellent Accuracy
- Lubricated Bullet
- Sure Functioning



Cartridge	Symbol	Bullet Wt.
32 Short Colt	X32SCP	80 gr.
32 Smith & Wesson	X32SWP	85 gr.
32 Smith & Wesson Long	X32SWLP	98 gr.
38 Smith & Wesson	X38SWP	145 gr.
38 Special	Q4196	150 gr.
38 Special	X38SPD	158 gr.
38 Special	X38S1P	158 gr.
38 Special	X38WCPSV	158 gr.
44 S&W Special	X44SP	246 gr.
45 Colt	X45CP2	255 gr.

## WINCLEAN® BRASS ENCLOSED BASE (BEB)



- Positive Functioning
- Excellent Accuracy
- Brass Enclosed Base Eliminates Lead Vaporization from Bullet Base
- No Barrel Leading



### COWBOY ACTION

38 Special	USA38CB	158 gr.
44-40 Win	USA440CB	225 gr.
44 Special	USA44CB	240 gr.
45 Colt	USA45CB	250 gr.

Cartridge	Symbol	Bullet Wt.
380 Automatic	WC3801	95 gr.
38 Special	WC381	125 gr.
9mm Luger	WC91	115 gr.
9mm Luger WinClean	WC92	124 gr.
9mm Luger WinClean	WC93	147 gr.
357 SIG	WC357SIG	125 gr.
357 Magnum	WC3571	125 gr.
40 Smith & Wesson	WC401	165 gr.
40 Smith & Wesson	WC402	180 gr.
45 Automatic	WC451	185 gr.
45 Automatic	WC452	230 gr.

## USA FULL METAL JACKET (FMJ)



- Positive Functioning
- No Expansion
- Good Accuracy
- No Barrel Leading



Cartridge	Symbol	Bullet Wt.
25 Automatic	Q4203	50 gr.
32 Automatic	Q4255	71 gr.
380 Automatic	Q4206	95 gr.
38 Super +P	Q4205	130 gr.
38 Special	Q4171	130 gr.
357 SIG	Q4309	125 gr.
9mm Luger	Q4172	115 gr.
9mm Luger	USA9MMVP	115 gr.
9mm Luger	USA9MM	124 gr.
9mm Luger	USA9MM1	147 gr.
40 Smith & Wesson	USA40SW	165 gr.
40 Smith & Wesson	Q4238	180 gr.
45 Automatic	USA45A	185 gr.
45 Automatic	Q4170	230 gr.

## SUPER-X® MATCH (LWC)



- Match-Grade Accuracy
- Consistent Performance
- Clean Target Signature



Cartridge	Symbol	Bullet Wt.
38 Special Super Match	X38SMRP	148 gr.

## SUPER CLEAN NT® (TIN)



- 100% Non-Toxic
- Performs Like Lead
- Superior Accuracy
- Positive Functioning



Cartridge	Symbol	Bullet Wt.
38 Special	SC38NT	110 gr.
357 SIG	SC357SNT	105 gr.
357 Magnum	SC357NT	110 gr.
9mm Luger	SC9NT	105 gr.
40 S&W	SC40NT	140 gr.
45 Auto	SC45NT	170 gr.

# CENTERFIRE HANDGUN BALLISTICS

Cartridge	Symbol	Bullet Wt.		User Guide	Velocity (fps)			Energy (ft-lbs.)			Mid-Range Traj. (In.)		Barrel Length In.
		Grs.	Type		Muzzle	50 Yds.	100 Yds.	Muzzle	50 Yds.	100 Yds.	50 Yds.	100 Yds.	
<b>SUPREME®</b>													
380 Automatic	S380	95	SXT®	PP	955	889	835	192	167	147	1.3	5.5	3-3/4
38 Special +P	S38SP	130	SXT	PP	925	887	852	247	227	210	1.3	5.5	4V
9mm Luger	S9	147	SXT	PP	990	947	909	320	293	270	1.2	4.8	4
40 Smith & Wesson	S401	165	SXT	PP	1130	1041	977	468	397	349	0.9	4.0	4
40 Smith & Wesson	S40	180	SXT	PP	1010	954	909	408	364	330	1.1	4.8	4
45 Automatic	S45	230	SXT	PP	880	846	816	396	366	340	1.5	6.1	5
357 Magnum #	S357P	180	Partition Gold®	H	1180	1088	1020	557	473	416	0.8	3.6	8V
<b>NEW</b> 41 Rem Magnum #	S41PHTP	240	Platinum Tip™	H	1250	1151	1075	833	706	616	0.8	3.3	6.5V
<b>NEW</b> 44 Rem Magnum #	S44PHTP	250	Platinum Tip	H	1250	1148	1070	867	732	635	0.8	3.3	6.5V
44 Rem Magnum #	S44MP	250	Partition Gold	H	1230	1132	1057	840	711	620	0.8	2.9	6-1/2V
45 Winchester Magnum	SPG45WM	260	Partition Gold	H	1200	1105	1033	832	705	617	0.8	3.5	5
<b>NEW</b> 454 Casull®	S454PHTP	260	Platinum Tip	H	1800	1596	1414	1870	1470	1154	0.4	1.7	7.5V
454 Casull®	SPG454	260	Partition Gold	H	1800	1605	1427	1871	1485	1176	0.4	1.7	7-1/2V

<b>SUPER-X®</b>													
25 Automatic	X25AXP	45	Expanding Point	PP	815	729	655	66	53	42	1.8	7.7	2
30 Luger (7.65mm)	X30LP	93	Full Metal Jacket	T	1220	1110	1040	305	255	225	0.9	3.5	4-1/2
30 Carbine	X30M1	110	Hollow Soft Point	H	1790	1601	1430	783	626	500	0.4	1.7	10
32 Smith & Wesson	32BL2P	Blk.Pwd.	Blank										
32 Smith & Wesson	X32SWP	85	Lead-Round Nose	T	680	645	610	90	81	73	2.5	10.5	3
32 Smith & Wesson Long	X32SWLP	98	Lead-Round Nose	T	705	670	635	115	98	88	2.3	10.5	4
32 Short Colt	X32SCP	80	Lead-Round Nose	T	745	665	590	100	79	62	2.2	9.9	4
32 Automatic	X32ASHP	60	Silvertip® Hollow Point	PP	970	895	835	125	107	93	1.3	5.4	4
38 Smith & Wesson	X38SWP	145	Lead-Round Nose	T	685	650	620	150	135	125	2.4	10.0	4
380 Automatic	X380ASHP	85	Silvertip Hollow Point	PP	1000	921	860	189	160	140	1.2	5.1	3-3/4
38 Special	38SBLP	Smokeless	Blank										
38 Special	X38S9HP	110	Silvertip Hollow Point	PP	945	894	850	218	195	176	1.3	5.4	4V
38 Special Super Match®	X38SMRP	148	Lead-Wad Cutter	T	710	634	566	166	132	105	2.4	10.8	4V
38 Special	X38S1P	158	Lead-Round Nose	T	755	723	693	200	183	168	2.0	8.3	4V
38 Special	X38WCPSV	158	Lead-Semi Wad Cutter	T	755	721	689	200	182	167	2.0	8.4	4V
38 Special +P	X38S7PH	125	Jacketed Hollow Point	PP	945	898	858	248	224	204	1.3	5.4	4V
38 Special +P	X38S8HP	125	Silvertip Hollow Point	PP	945	898	858	248	224	204	1.3	5.4	4V
38 Special +P	X38SPD	158	Lead-Semi WC HP	PP	890	855	823	278	257	238	1.4	6.0	4V
9mm Luger	X9MMSHP	115	Silvertip Hollow Point	PP	1225	1095	1007	383	306	259	0.8	3.6	4
9mm Luger	X9MMS147	147	Silvertip Hollow Point	PP	1010	962	921	333	302	277	1.1	4.7	4
38 Super Automatic +P	X38ASHP	125	Silvertip Hollow Point	T/PP	1240	1130	1050	427	354	306	0.8	3.4	5
9 X 23 Winchester	X923W	125	Silvertip Hollow Point	T/PP	1450	1249	1103	583	433	338	0.6	2.8	5
357 Magnum	X3576P	125	Jacketed Hollow Point	PP	1450	1240	1090	583	427	330	0.6	2.8	4V
357 Magnum	X357SHP	145	Silvertip Hollow Point	PP	1290	1155	1060	535	428	361	0.8	3.5	4V
357 Magnum #	X3574P	158	Jacketed Hollow Point	H/PP	1235	1104	1015	535	428	361	0.8	3.5	4V
357 Magnum #	X3575P	158	Jacketed Soft Point	H/PP	1235	1104	1015	535	428	361	0.8	3.5	4V
40 Smith & Wesson	X40SWSTHP	155	Silvertip Hollow Point	PP	1205	1096	1018	500	414	357	0.8	3.6	4
10mm Automatic	X10MMSTHP	175	Silvertip Hollow Point	PP	1290	1141	1037	649	506	418	0.7	3.3	5-1/2
41 Remington Magnum	X41MSTHP2	175	Silvertip Hollow Point	H/PP	1250	1120	1029	607	488	412	0.8	3.4	4V
44 Smith & Wesson Special	X44STHPS2	200	Silvertip Hollow Point	PP	900	860	822	360	328	300	1.4	5.9	6-1/2
44 Smith & Wesson Special	X44SP	246	Lead-Round Nose	T	755	725	695	310	285	265	2.0	8.3	6-1/2
44 Remington Magnum	X44MS	210	Silvertip Hollow Point	H/PP	1250	1106	1010	729	570	475	0.8	3.5	4V
44 Remington Magnum #	X44MHSP2	240	Hollow Soft Point	H	1180	1081	1010	741	623	543	0.9	3.7	4V
45 Automatic	X45ASHP2	185	Silvertip Hollow Point	PP	1000	938	888	411	362	324	1.2	4.9	5
45 Colt	X45CSHP2	225	Silvertip Hollow Point	PP	920	877	839	423	384	352	1.4	5.6	5-1/2
45 Colt	X45CP2	255	Lead-Round Nose	T	860	820	780	420	380	345	1.5	6.1	5-1/2
45 Winchester Magnum	X45WMA	260	Jacketed Hollow Point	H	1200	1099	1026	831	698	607	0.8	3.6	5
454 Casull®	X454C3	250	Jacketed Hollow Point	H	1300	1151	1047	938	735	608	0.7	3.2	7-1/2V
454 Casull®	X454C22	300	Jacketed Flat Point	H	1625	1451	1308	1759	1413	1141	0.5	2.0	7-1/2V

<b>SUPER CLEAN NT® (TIN)</b>													
38 Special	SC38NT	110	Jacketed Flat Point	T	975	906	849	232	201	176	0.2	3.7	4V
9mm Luger	SC9NT	105	Jacketed Flat Point	T	1200	1074	989	336	269	228	0.8	3.7	4
357 Magnum	SC357NT	110	Jacketed Flat Point	T	1275	1105	998	397	298	243	0.8	3.5	4V
357 SIG	SC357SNT	105	Jacketed Flat Point	T	1370	1179	1050	438	324	257	0.7	3.1	4
40 Smith & Wesson	SC40NT	140	Jacketed Flat Point	T	1155	1039	960	415	336	286	1.2	5.3	4
45 Automatic	SC45NT	170	Jacketed Flat Point	T	1050	982	928	416	364	325	0.9	0.4	4

# Acceptable for use in rifle hunting applications.

V-Data is based on velocity obtained from vented test barrels for revolver cartridges (38 Special, 357 Magnum, 41 Rem. Mag., 44 Rem. Mag. and 454 Casull®) Specifications are nominal. Test barrels are used to determine ballistics figures. Individual firearms may differ from test barrel statistics.

+P Ammunition with (+P) on the case head-stamp is loaded to higher pressure. Use only in firearms designated for this cartridge and so recommended by the gun manufacturer.



# USA BRAND CENTERFIRE HANDGUN AMMUNITION

Cartridge	Symbol	Bullet Wt. Grs.	User Guide	Type	Velocity (fps)		Energy (ft-lbs.)	
					Muzzle	50 Yds.	Muzzle	50 Yds.
25 Automatic	Q4203	50 gr.	T	Full Metal Jacket	760	707	64	56
32 Automatic	Q4255	71 gr.	T	Full Metal Jacket	905	855	129	115
380 Automatic	Q4206	95 gr.	T	Full Metal Jacket	955	865	190	160
38 Super Automatic +P	Q4205	130 gr.	T	Full Metal Jacket	1215	1099	426	348
38 Special	USA38SP	125 gr.	T	Jacketed Flat Point	850	804	201	179
38 Special	Q4171	130 gr.	T	Full Metal Jacket	800	765	185	169
38 Special	Q4196	150 gr.	T	Lead	845	812	238	219
38 Special +P	USA38JHP	125 gr.	T	Jacketed Hollow Point	945	898	248	224
9mm Luger	USA9JHP	115 gr.	T	Jacketed Hollow Point	1225	1095	383	306
9mm Luger	USA9JHP2	147 gr.	T	Jacketed Hollow Point	990	945	320	291
9mm Luger	Q4172	115 gr.	T	Full Metal Jacket	1190	1071	362	293
9mm Luger (100 Rnd Value Pack)	USA9MMVP	115 gr.	T	Full Metal Jacket	1190	1071	362	293
9mm Luger	USA9MM	124 gr.	T	Full Metal Jacket	1140	1050	358	303
9mm Luger	USA9MM1	147 gr.	T	Full Metal Jacket-Flat Nose	990	945	320	292
9x23mm Win	Q4304	124 gr.	T	Jacketed Flat Point	1460	1308	587	471
357 SIG	USA357SJHP	125 gr.	T	Jacketed Hollow Point	1350	1185	506	390
357 SIG	Q4309	125 gr.	T	Full Metal Jacket-Flat Nose	1350	1185	506	390
357 Magnum	Q4204	110 gr.	T	Jacketed Hollow Point	1295	1095	410	292
40 Smith & Wesson	USA40SW	165 gr.	T	Full Metal Jacket-Flat Nose	1060	1001	412	367
40 Smith & Wesson	USA40JHP	180 gr.	T	Jacketed Hollow Point	1010	954	408	364
40 Smith & Wesson	Q4238	180 gr.	T	Full Metal Jacket	990	943	391	356
44 Rem Magnum	Q4240	240 gr.	T	Jacketed Soft Point	1180	1081	741	623
45 Automatic	USA45A	185 gr.	T	Full Metal Jacket-Flat Nose	910	861	340	304
45 Automatic	USA45JHP	230 gr.	T	Jacketed Hollow Point	880	842	396	363
45 Automatic	Q4170	230 gr.	T	Full Metal Jacket	835	800	356	326

# WINCLEAN® CENTERFIRE HANDGUN AMMUNITION

Cartridge	Symbol	Bullet Wt. Grs.	User Guide	Type	Velocity (fps)		Energy (ft-lbs.)	
					Muzzle	50 Yds.	Muzzle	50 Yds.
380 Automatic WinClean®	WC3801	95 gr.	T	Brass Enclosed Base	955	881	192	164
38 Special WinClean	WC381	125 gr.	T	Jacketed Flat Point	775	742	167	153
9mm Luger WinClean	WC91	115 gr.	T	Brass Enclosed Base	1190	1088	362	302
9mm Luger WinClean	WC92	124 gr.	T	Brass Enclosed Base	1130	1049	352	303
9mm Luger WinClean	WC93	147 gr.	T	Brass Enclosed Base	990	945	320	291
357 SIG WinClean	WC357SIG	125 gr.	T	Brass Enclosed Base	1350	1183	506	388
357 Magnum WinClean	WC3571	125 gr.	T	Jacketed Flat Point	1370	1183	521	389
40 Smith & Wesson WinClean	WC401	165 gr.	T	Brass Enclosed Base	1130	1054	468	407
40 Smith & Wesson WinClean	WC402	180 gr.	T	Brass Enclosed Base	990	943	392	356
45 Automatic WinClean	WC451	185 gr.	T	Brass Enclosed Base	1000	902	411	334
45 Automatic WinClean	WC452	230 gr.	T	Brass Enclosed Base	875	840	391	360

# COWBOY LOADS

Cartridge	Symbol	Bullet Grs.	Wt. Type	User Guide	Velocity (fps)			Energy (ft-lbs.)			Mid-Range Traj. (In.)		Barrel Length In.
					Muzzle	50 Yds.	100Yds.	Muzzle	50 Yds.	100 Yds.	50 Yds.	100 Yds.	
38 Special	USA38CB	158	Lead	T	800	761	725	225	203	185	1.8	7.5	4
44-40 Winchester	USA4440CB	225	Lead	T	750	723	695	281	261	242	2.0	8.3	4
44 Special	USA44CB	240	Lead	T	750	719	690	300	275	253	2.0	8.4	4
45 Colt	USA45CB	250	Lead	T	750	720	692	312	288	266	2.0	8.4	5

# CENTER FIRE PISTOL USERS GUIDE

USAGE SYMBOL PROPERTIES



PERSONAL PROTECTION

- Sure Functioning
- Optimum Energy Deposit
- Accurate
- Controlled Recoil

USAGE SYMBOL PROPERTIES APPLICATION



HUNTING

- Massive Energy Deposit
- Accurate
- Optimum Penetration
- Consistent Expansion

Thin Skinned Game such as Whitetail Deer and Boar

USAGE SYMBOL PROPERTIES APPLICATION



TARGET/RANGE

- Accurate
- Sure Functioning
- Controlled Recoil

Indoor and Outdoor Range, Plinking, Target and Match

## Super-X® Game Loads

Super-X Game Loads incorporate top quality components to deliver results - and give you the game-getting edge with reduced recoil, and denser, more consistent patterns in the field. Super-X Heavy Game Loads are designed for those demanding hunters requiring increased patterning density for more difficult wing shooting situations.

## Super-X® High Brass Game Loads

The high brass construction and specially blended propellant, gives you the faster, harder hitting loads you need for any larger upland bird hunting situation.

## Super-X® Slugs & Buckshot

Super-X Hollow Point Rifled Slugs are specifically designed to deliver maximum accuracy and tremendous energy deposit in shotguns with smooth bores.

Super-X BRI® Sabot Slugs deliver excellent performance and moderate recoil in rifled barrel or rifled choke tube shotguns.

Super-X buffered, unplated buckshot loads will always deliver a buck-stopping load of pure, knock-down power.

## SUPER-X® SHOTSHELLS



# SHOTSHELL

## AA® Target Loads - NEW HS Hulls

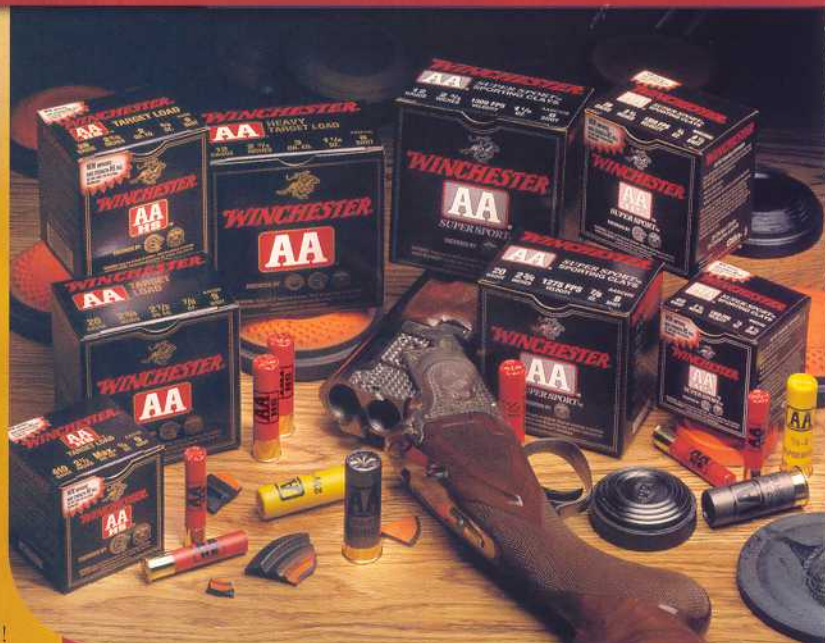
Since their introduction almost 40 years ago, AA Target loads have reigned as the standard of excellence and overwhelming choice of serious target shooters the world over. Whether it is at the Grand American Handicap or your local Trap and Skeet Club, Winchester AA loads deliver target crunching performance with every shot.

The innovative NEW High Strength AA HS shell, first seen in 12 and 20 gauge, has now been expanded to include 28 gauge and 410 gauge. The AA HS loads have raised the performance bar in target busting performance as well as outstanding reloadability capability. No matter what gauge gun you are using, AA HS Target loads can't be beat.

## AA® Super Sport - Sporting Clays

Sporting Clays games offer exciting new challenges - especially to the small gauge competitor. From bouncing rabbit targets to soaring teal and tower targets, sporting clays demands the most from shooter and ammunition. To meet this challenge head on, Winchester is adding 28 gauge and 410 gauge loads to its popular 12 and 20 gauge Super Sport AA line.

In all gauges, Super Sport loads offer full shot weight pattern performance at a sizzling 1,300 fps (1,350 f/s for the 1 ounce 12 gauge)! What's more, shot sizes are specifically selected to optimize on target performance in each gauge and all Super Sport loads use the high performance Winchester AA High Strength HS hull. So, if sporting clays is your game, Winchester Super Sport AA loads is the ammunition of choice. All AA Super Sport Loads feature the High Strength hull.



## TARGET LOADS

# SUPREME® SHOTSHELLS



## Supreme® Partition Gold® High Velocity Sabot Slugs

Supreme Partition Gold's proprietary, one piece, 4-petal sabot, proven Partition projectile design and specially selected propellants all add up to create the fastest, flattest shooting, hardest-hitting, deepest penetrating slug your money can buy! Designed for fully rifled barrels.

## Supreme® Platinum Tip™ Hollow Point Sabot Slugs

Supreme Platinum Tip Hollow Point patented notched, reverse taper jacket and proprietary, 4-petal one piece sabot provides superior accuracy and on-target performance with massive energy deposit. Designed for fully rifled barrels.

## Supreme® HI-IMPACT® BRI® Sabot Slugs

The most accurate Winchester slug loads with Rifled Choke Tubes are back! These Supreme HI-IMPACT BRI loads are the fastest, flattest shooting slugs available from Winchester for use with rifled choke tubes. Also for use in fully rifled barrels.

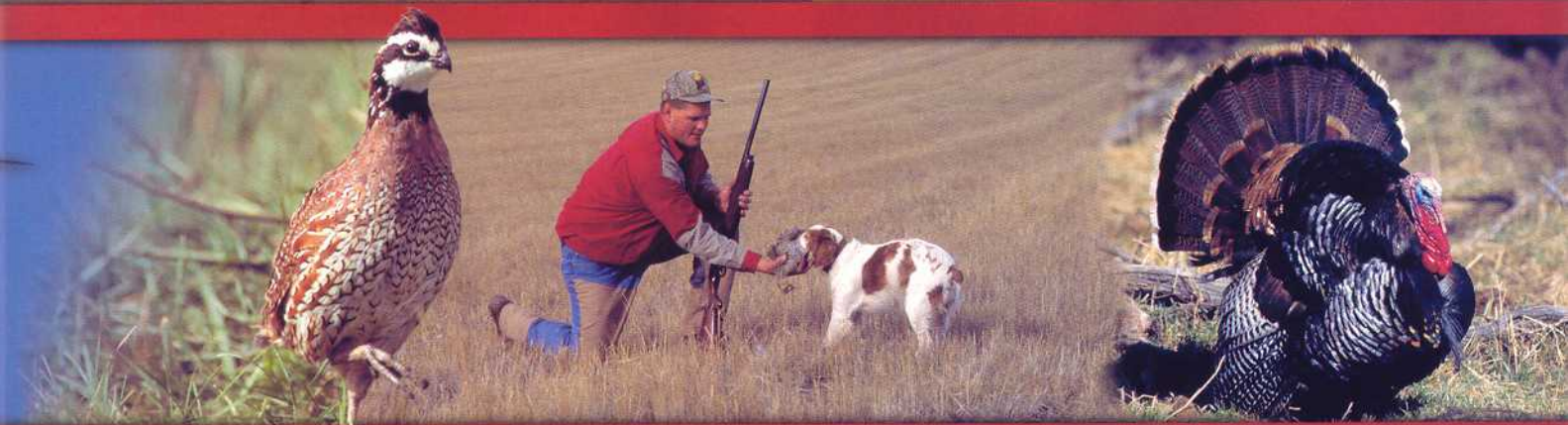
## Double X® Magnum Buckshot Loads

For maximum, long range buckshot performance, Supreme Double X Magnum buffered, copperplated buckshot loads will bring the game home.

And for true magnum payload performance, nothing beats Supreme Double X Magnum Buffered Game loads as the ultimate force in knock-down power.

## Supreme® High Velocity Turkey Loads

Supreme High Velocity Turkey Loads are the most technologically advanced, hardest hitting turkey loads ever developed by Winchester - featuring true magnum energy and a scorching muzzle velocity of 1300 fps.



## Supreme® High Velocity Field & Double X® Magnum Shotshells

Supreme High Velocity Field Loads feature superior components, especially blended propellants and extra hard, copperplated shot that delivers game stopping pattern performance at velocities up to 1400 fps.

## Supreme® High Velocity Steel® Shotshells

Simply put, Supreme High Velocity Steel Shotshells are the hardest-hitting water-resistant steel waterfowl shotshell ever developed by Winchester. Each load features specially formulated propellant to deliver a full load steel shot charge at 175 fps faster than standard waterfowl loads. The exclusive, water-resistant, two-piece Drylok Super Steel wad system and plated steel shot offer denser, more powerful patterns.

## Super-X® Drylok® Hi-Velocity Steel Shotshells

As the highest velocity steel shotshell waterfowl load ever offered by Winchester, Drylok Hi-Velocity shotshells give you an incredible performance boost with 1550 feet per second muzzle velocity! With the exclusive, water-resistant Super-X Drylok wad system, you have a traditional steel load delivering greater per pellet energy on target for superior bird bagging performance.

## Super-X® Drylok Super Steel® Shotshells

Each Drylok Super Steel load features our exclusive, two-piece double-seal wad for complete water-resistance and a barrel-protecting shot cup to deliver a heavier load of rust-resistant steel shot to the target - in denser, more powerful patterns.

## Xpert® Steel Shotshells

Winchester Xpert Upland and Waterfowl Steel Shotshells combine a new and proprietary corrosion-resistant steel shot manufacturing process with superior Winchester components to create a true break-through in high performance, value-priced steel loads.

# NON-TOXIC SHOTSHELL LOADS

# SUPREME® TURKEY LOADS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>Supreme® Double X® Magnum Turkey Loads - Copperplated, Buffered Shot</b>					
12	XXT12L	3-1/2	1150	2-1/4	4,5,6
12	X123MXCT	3	1125	2	4,5,6
12	X12HXCT	2-3/4	1250	1-5/8	4,5,6
<b>NEW</b> 20	X203XCT	3	1185	1-1/4	5
<b>Supreme® High Velocity Turkey Loads - Copperplated, Buffered Shot</b>					
10	STH10	3-1/2	1300	2	4,5,6
12	STH1235	3-1/2	1300	2	4,5,6
12	STH123	3	1300	1-3/4	4,5,6



**Winner**  
2002 NWTf "World Still Target Competition" Championship

# SUPREME® & SUPER-X® WATERFOWL LOADS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>Supreme® High Velocity Drylok Super Steel® Non-Toxic Waterfowl Loads</b>					
10	SSH10	3-1/2	1450	1-3/8	BBB, BB, 2
12	SSH1235	3-1/2	1450	1-3/8	BBB, BB, 2, 3
12	SSH123	3	1450	1-1/4	BB, 2, 3, 4
<b>Super-X® Drylok Super Steel® Non-Toxic Plated Magnum Goose Loads</b>					
10	XSC10	3-1/2	1350	1-5/8	T, BBB
12	XSC12L	3-1/2	1300	1-9/16	T, BBB
12	XSC123	3	1375	1-1/4	T, BBB
<b>Super-X® Drylok Hi-Velocity® Steel Non-Toxic Waterfowl</b>					
12	XSHV12L	3-1/2	1550	1-1/4	BB, 2
12	XSHV123	3	1550	1-1/8	2, 3
<b>Super-X® Drylok Super Steel® Non-Toxic Waterfowl &amp; Upland Loads</b>					
12	XS12	2-3/4	1365	1-1/8	2, 4, 6
20	XS20	2-3/4	1425	3/4	4, 6
<b>Super-X® Drylok Super Steel® Non-Toxic Magnum Waterfowl Loads</b>					
10	XSM10	3-1/2	1260	1-3/4	BB, 1, 2, 3
12	XSM12L	3-1/2	1300	1-9/16	BB, 1, 2, 3
12	XSM123	3	1265	1-3/8	BB, 1, 2, 3, 4
12	XSV123	3	1375	1-1/4	BB, 1, 2, 3, 4
12	XSM12	2-3/4	1275	1-1/4	BB, 1, 2, 3, 4
20	XSM203	3	1330	1	2, 3, 4



# XPERT® STEEL WATERFOWL & UPLAND LOADS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>Xpert® Upland/Target Steel Loads</b>					
12	WE12	2-3/4	1300	1	6, 7
20	WE20	2-3/4	1300	3/4	7
<b>Xpert® Heavy Upland and Waterfowl Steel Loads</b>					
12	WE12H	2-3/4	1300	1 1/8	2, 4, 6
<b>NEW</b> 12	WE123	3	1300	1 1/4	BB, 1, 2, 3, 4
12	WE12L	3 1/2	1350	1 3/8	BB, 2
<b>NEW</b> 20	WE203	3	1300	7/8	2, 4



# SUPER-X® TRIALS & BLANKS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>Field Trial Popper-Loads®</b>					
12	XP12	2-3/4	—	Smokeless Powder	Blank
<b>Blank Loads</b>					
10	XBP10	2-7/8	—	Black Powder	Blank
12	XBP12	2-3/4	—	Black Powder	Blank



# AA® TARGET LOADS

Gauge	Symbol	Description	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes	
<b>Target Loads</b>								
12	AA12SP	Super Pigeon®	2-3/4	3-1/4	1220	1-1/4	7-1/2,8	
12	AAHA12	Super-Handicap®	2-3/4	3	1250	1-1/8	7-1/2,8	
12	AAM12	Heavy Target Load	2-3/4	3	1200	1-1/8	7-1/2,8,9	
<b>NEW</b>	AA12	Target Load	2-3/4	2-3/4	1145	1-1/8	7-1/2,8,8-1/2,9	
12	AAHLA12	Target Load	2-3/4	3	1290	1	7-1/2,8	
<b>NEW</b>	AAL12	Xtra-Lite™	2-3/4	2-3/4	1180	1	7-1/2,8,8-1/2,9	
12	AANL12	International	NA	2-3/4	1325	24 gms.	7-1/2,9	
12	AA12FL	Low Recoil/Low Noise	2-3/4	2-1/2	980	26 gms.	8	
20	AAH20	Target Load	2 3/4		1165	1	7-1/2,8	
20	AA20	Target Load	2-3/4	2-1/2	1200	7/8	8,9	
28	AA28	Target Load	2-3/4	2	1200	3/4	8,9	
410	AA41	Target Load	2-1/2	Max	1200	1/2	9	
<b>Sporting Clays</b>								
12	AASC12	Sporting Clays	2-3/4	NA	1300	1-1/8	7-1/2,8	
12	AASCL12	Sporting Clays	2-3/4	NA	1350	1	7-1/2,8	
20	AASC20	Sporting Clays	2-3/4	NA	1300	7/8	7-1/2,8	
<b>NEW</b>	28	AASC28	Sporting Clays	2-3/4	NA	1300	3/4	7-1/2,8-1/2
<b>NEW</b>	410	AASC41	Sporting Clays	2-1/2	NA	1300	1/2	8-1/2



# SUPREME® & SUPER-X® GAME LOADS

Gauge	Symbol	Length of Shell In.	Powder Dram Equivalent	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes	
<b>Supreme® High Velocity Field Loads - Copperplated Shot</b>							
12	SFH12	2-3/4	NA	1400	1-1/4	4,5,6,7-1/2	
20	SFH20	2-3/4	NA	1300	1	4,5,6,7-1/2	
<b>Supreme® Double X® Magnum Game Loads - Copperplated, Buffered Shot</b>							
12	X123XC	3	4	1210	1-7/8	4,6	
12	X12MXC	3	4	1280	1-5/8	4,6	
12	X12XC	2-3/4	3-3/4	1260	1-1/2	4,5,6	
20	X203XC	3	3	1185	1-1/4	4,6	
20	X20XC	2-3/4	2-3/4	1175	1-1/8	6,7-1/2	
<b>Super-X® High Brass Game Loads</b>							
<b>NEW</b>	12	X12	2-3/4	3-3/4	1330	1-1/4	4,5,6,7-1/2,8,9
	16	X16H	2-3/4	3-1/4	1295	1-1/8	4,6,7-1/2
	20	X20	2-3/4	2-3/4	1220	1	4,5,6,7-1/2,8
	28	X28H	2-3/4	Max	1205	1	6,7-1/2,8
	410	X413	3	Max	1135	11/16	4,6,7-1/2
	410	X41	2-1/2	Max	1245	1/2	4,6,7-1/2
<b>Super-X® Heavy Game/Field Loads</b>							
12	XU12SP	2-3/4	3-1/4	1220	1-1/4	6,7-1/2,8	
12	XU12H	2-3/4	3-1/4	1255	1-1/8	4,6,7-1/2,8	
20	XU20H	2-3/4	2-1/2	1165	1	6,7-1/2,8	
<b>Super-X® Game Loads</b>							
12	XU12	2-3/4	3-1/4	1290	1	6,7-1/2,8	
16	XU16	2-3/4	2-1/2	1165	1	6,8	
20	XU20	2-3/4	2-1/2	1210	7/8	6,7-1/2,8	



# WESTERN® TARGET & FIELD LOADS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Oz. Shot	Standard Shot Sizes
<b>Western® Target Loads</b>					
12	WEST12	2-3/4	1145	1-1/8	7-1/2,8
20	WEST20	2-3/4	1200	7/8	7-1/2,8



# SUPREME® & SUPER-X® BUCKSHOT

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Total Pellets	Standard Shot Sizes
<b>Supreme® Double X Magnum Buckshot Loads — Copperplated, Buffered Shot</b>					
10	X10C00B	3-1/2	1150	18	00 Buck
12	X123C000B	3	1225	10	000 Buck
12	X12XC3B5	3	1210	15	00 Buck
12	X12XCOB5	2-3/4	1295	12	00 Buck
12	X12C1B	2-3/4	1075	20	1 Buck
12	X12XCMB5	3	1210	41	4 Buck
20	X203C3B	3	1150	24	3 Buck
<b>Super-X® Buckshot Loads With Buffered Shot</b>					
10	XB104	3-1/2	1100	54	4 Buck
12	XB12L4	3-1/2	1150	54	4 Buck
12	XB12L00	3-1/2 Magnum	1200	18	00 Buck
12	XB1231	3 Magnum	1040	24	1 Buck
12	XB12300	3 Magnum	1210	15	00 Buck
12	XB12000	2-3/4	1325	8	000 Buck
12	XB120012	2-3/4 Magnum	1290	12	00 Buck
12	XB1200LR	2-3/4	1125	9	00 Buck
12	XB1200	2-3/4	1325	9	00 Buck
12	XB120	2-3/4	1275	12	0 Buck
12	XB121	2-3/4	1250	16	1 Buck
12	XB124	2-3/4	1325	27	4 Buck
16	XB161	2-3/4	1225	12	1 Buck
20	XB203	2-3/4	1200	20	3 Buck
<b>Super-X® Buckshot</b>					
<b>NEW</b> 410	XB41000	2-1/2	1300	3	000 Buck



# SUPREME® & SUPER-X® SLUGS

Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Slug Wt. (Oz.)	Standard Shot Sizes	Barrel Type
<b>Super-X® Rifled Slugs</b>						
12	X123RS15	3	1760	1	Rifled	SB
12	X12RS15	2-3/4	1600	1	Rifled HP	SB
16	X16RS5	2-3/4	1600	4/5	Rifled HP	SB
20	X20RSM5	2-3/4	1600	3/4	Rifled HP	SB
410	X41RS5	2-1/2	1830	1/5	Rifled HP	SB
<b>Supreme® Hi-Impact BRI Sabot Slugs</b>						
<b>NEW</b> 12	SRS123	3	1550	1	Sabot	RCT/FR
<b>NEW</b> 12	SRS12	2-3/4	1450	1	Sabot	RCT/FR
<b>Super-X® BRI® Sabot Slugs</b>						
12	XRS123	3	1400	1	Sabot	RCT/FR
12	XRS12	2-3/4	1350	1	Sabot	RCT/FR
20	XRS20	2-3/4	1400	5/8	Sabot	RCT/FR
Gauge	Symbol	Length of Shell In.	Velocity fps @ 3 ft.	Slug Wt. (grs.)	Standard Shot Sizes	Barrel Type
<b>Supreme® Partition Gold® Slugs</b>						
12	SSP12	2-3/4	1900	385	Sabot	FR
20	SSP20	2-3/4	1900	260	Sabot	FR
<b>Supreme® Platinum Tip™ Hollow Point Slugs</b>						
<b>NEW</b> 12	SSPTH12	2-3/4	1700	400	Sabot	FR
<b>NEW</b> 20	SSPTH20	2-3/4	1700	260	Sabot	FR

## HP Rifled Slug



## BRI® Sabot



## Platinum Tip™



## Partition Gold®









SB = Smooth Bore  
 RCT = Rifled Choke Tubes  
 FR = Fully Rifled

# SHOTGUN SLUG BALLISTICS

Symbol	Gauge	Shell Length	Slug Weight	Slug Type	Velocity in fps				Energy in ft.-lbs.				Trajectory height in inches						
					Muzzle	50 yds.	100 yds.	125 yds.	Muzzle	50 yds.	100 yds.	125 yds.	25 yds.	50 yds.	75 yds.	100 yds.	125 yds.	150 yds.	175 yds.
SSP12	12	2-3/4	385 grs.	Sabot	1900	1737	1660	1585	3086	2579	2354	2148	0.7	2.1	2.8	2.8	1.9	0.0	-2.9
SSPTH12	12	2-3/4	400 grs.	Sabot	1700	1554	1420	1359	2566	2144	1791	1640	0.2	1.1	1.0	0.0	-2.1	-5.4	-
<b>NEW</b> SRS123	12	3	1 oz.	Sabot	1550	1258	1066	1004	2400	1581	1136	1007	0.8	2.0	1.8	0.0	-3.7	-	-
XRS123	12	3	1 oz.	Sabot	1400	1153	1007	957	1958	1329	1012	914	1.2	2.5	2.2	0.0	-4.3	-	-
<b>NEW</b> SRS12	12	2-3/4	1 oz.	Sabot	1450	1187	1026	972	2100	1407	1051	944	1.1	2.3	2.1	0.0	-4.1	-	-
XRS12	12	2-3/4	1 oz.	Sabot	1350	1121	988	941	1821	1256	975	885	1.3	2.7	2.3	0.0	-4.6	-	-
SSP20	20	2-3/4	260 grs.	Sabot	1900	1721	1555	1478	2084	1709	1395	1260	0.9	2.2	2.9	2.9	1.9	0.0	-3.0
<b>NEW</b> SPTH20	20	2-3/4	260 grs.	Sabot	1700	1536	1388	1321	1668	1362	1112	1008	0.2	1.1	1.1	0.0	-2.2	-5.6	-
XRS20	20	2-3/4	5/8 oz.	Sabot	1400	1143	995	944	1162	774	586	529	1.2	2.6	2.3	0.0	-4.5	-	-
X123RS15	12	3	1 oz.	Rifled	1760	1310	1040	965	3010	1667	1052	904	0.2	0.0	-1.5	-4.6	-9.7	-	-
X12RS15	12	2-3/4	1 oz.	Rifled	1600	1161	953	889	2488	1310	882	768	0.4	0.0	-1.9	-5.9	-12.1	-	-
X16RS5	16	2-3/4	4/5 oz.	Rifled	1600	1158	950	887	1962	1028	692	602	0.4	0.0	-2.0	-5.9	-12.1	-	-
X20RSM5	20	2-3/4	3/4 oz.	Rifled	1600	1160	952	889	1865	981	660	575	0.3	0.0	-2.0	-5.9	-12.1	-	-
X41RS5	410	2-1/2	1/5 oz.	Rifled	1830	1318	1025	946	651	338	204	174	0.3	0.0	-1.9	-5.8	-12.0	-	-

# SHOTSHELL GUIDE

## SHOTSHELL GAME GUIDE

	SHELL	SHOT SIZE	CHOKE	GAUGE
<b>GEESE</b> 	STEEL: Super-X® Drylok Super Steel	T, BBB, BB, 1, 2	Mod., Imp. Mod.	10, 12
	Drylok Hi-Velocity®	BB, 2, 3		12
	Supreme® High Velocity Steel	BB, BBB	Mod., Imp. Mod.	10, 12
	Xpert® Steel	BB	Mod., Imp. Mod.	12
<b>DUCKS</b> 	STEEL: Super-X® Drylok Super Steel	1, 2, 3, 4, 6	Imp. Cyl., Mod., Imp. Mod.	10, 12, 20
	Drylok Hi-Velocity®	2, 3		12
	Supreme® High Velocity Steel	2, 3, 4	Imp. Cyl., Mod., Imp. Mod.	10, 12
	Xpert® Steel Waterfowl	2, 4	Imp. Cyl., Mod., Imp. Mod.	12, 20
<b>TURKEY</b> 	LEAD: Super-X®	4, 5, 6	Full	12, 16, 20
	Double X®	4, 5, 6	Full	10, 12, 20
	Supreme® High Velocity	4, 5, 6	Full	10, 12
<b>PHEASANT</b> 	LEAD: Super-X®	4, 5, 6, 7½	Imp. Cyl., Mod., Imp. Mod.	12, 16, 20
	Double X®	4, 6	Imp. Cyl., Mod., Imp. Mod.	12, 20
	Supreme® High Velocity	4, 6, 7½	Imp. Cyl., Mod., Imp. Mod.	12, 20
	AA® Super Pigeon®	7½	Full, Imp. Mod., Mod.	12
	STEEL: Super-X® Drylok Super Steel®	4, 6, 7	Mod., Imp. Mod.	12, 20
Xpert® Heavy Upland	4, 6	Imp. Cyl. Mod.	12, 20	
<b>GROUSE PARTRIDGE</b> 	LEAD: Super-X®	5, 6, 7½, 8	Imp. Cyl., Mod.	12, 16, 20, 28
	AA®	7½, 8	Imp. Cyl., Mod.	12, 20, 28
	Western®	7½, 8	Imp. Cyl., Mod.	12, 20
<b>WOODCOCK SNIPE RAIL</b> 	LEAD: Super-X®	6, 7½, 8	Imp. Cyl., Mod.	12, 16, 20, 28
	Western®	7½, 8	Imp. Cyl., Mod.	12, 20
	STEEL: Super-X® Drylok Super Steel®	4, 6	Imp. Cyl., Mod.	12, 20
Xpert® Upland Game	6, 7	Imp. Cyl., Mod.	12, 20	
<b>QUAIL</b> 	LEAD: Super-X®	7½, 8	Imp. Cyl., Mod.	12, 16, 20, 28
	AA®	7½, 8	Imp. Cyl., Mod.	12, 20, 28
	Western®	7½, 8	Imp. Cyl., Mod.	12, 20
<b>DOVE</b> 	LEAD: Super-X®	7½, 8	Imp. Cyl., Mod., Imp. Mod.	12, 16, 20, 28
	AA® Super Pigeon®	7½, 8	Imp. Cyl., Mod.	12
	STEEL: Super-X® Drylok Super Steel®	6	Imp. Cyl., Mod., Imp. Mod.	12, 20
Xpert® Upland Game	6, 7	Imp. Cyl., Mod.	12, 20	
<b>RABBIT</b> 	LEAD: Super-X®	4, 5, 6, 7½	Imp. Cyl., Mod.	12, 16, 20, 28, 410
<b>SQUIRREL</b> 	LEAD: Super-X®	4, 5, 6	Mod., Imp. Mod., Full	12, 16, 20, 28, 410

## Standard Shot Sizes

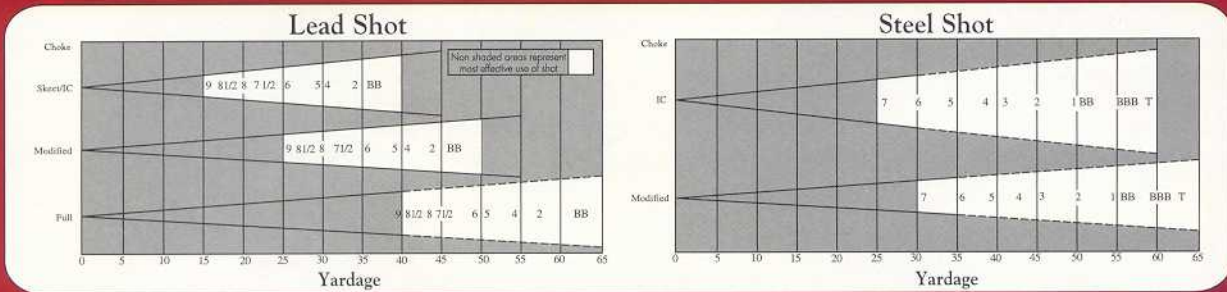
### Buckshot Sizes

Shot Number	Diameter in Inches	# Pellets Typical Loads
4	.24	27
		34
		41
3	.25	20
		24
1	.30	12
		16
		20
		24
0	.32	12
00	.33	9
		12
		15
		18
000	.36	8
		10

### Shot Sizes

Shot Number	Diameter in Inches	Pellets/oz. Lead	Pellets/oz. Steel
9	.08	585	-
8½	.085	500	-
8	.09	410	-
7½	.095	350	-
7	.10	-	420
6	.11	225	316
5	.12	170	243
4	.13	135	191
3	.14	-	153
2	.15	87	125
1	.16	-	103
BB	.18	50	72
BBB	.19	-	61
T	.20	-	53

## Pattern/Pellet Density & Energy Guide



**Look up distance to your game for recommended pellet. Pellets appropriate for longer distances may also be used at shorter range. Use of pellets at distances surpassing their listing is not recommended.**



## Winchester® Muzzleloading Components

Succeed in the field this muzzleloading season by loading up with high performance Winchester® Supreme® Platinum Tip™ and Partition Gold® Hunting Bullets & Sabots and Winchester Muzzleloading Primers.

The NEW Supreme® Platinum Tip™ Hollow Point bullet is a new benchmark in muzzleloading bullet design and performance - delivering superior accuracy, uniform expansion and massive energy deposit.

### Muzzleloading Components Sabot Slug & Primers

#### Supreme® Hunting Bullets & Sabots

NEW	Caliber	Charge Wt.	Symbol	Bullet Wt. Grs.	Bullet Type	Quantity/ Carton	Velocity in Feet Per Second (fps)					Energy in Foot Pounds (ft.-lbs.)					Trajectory Height in Inches						
							Muzzle	50	75	100	125	Muzzle	50	75	100	125	25	50	75	100	125	150	175
	.45	150 gr.	WML45PTH	200 gr.	Platinum Tip HP	30	2450	2168	2034	1905	1781	2665	2086	1836	1611	1408	0.1	1.0	1.6	1.7	1.2	0.0	-2.0
	.50	90 gr.	WML260P	260 gr.	Partition Gold	10	1650	1490	1417	1348	1284	1571	1282	1159	1049	952	0.3	1.2	1.1	0.0	-2.3	-6.0	
	.50	90 gr.	WML260PTH	260 gr.	Platinum Tip HP	30	1650	1490	1417	1348	1284	1571	1282	1159	1049	952	0.3	1.2	1.1	0.0	-2.3	-6.0	
NEW	.54	120 gr.	WML54PTH	400 gr.	Platinum Tip HP	30	1700	1554	1485	1420	1359	2566	2144	1959	1791	1640	0.2	1.1	1.0	0.0	-2.1	-5.4	

#### Winchester Muzzle-Loading Primers

WML209 100



# RIMFIRE AMMUNITION

Cartridge	Bullet Type	Symbol	Bullet Wt.	Rounds per Box	Rifle				Handgun				Abbreviations:
					Velocity		Energy		Mid Range Traj. (100 yards)	Barrel Length (inches)	Muzzle Vel. (fps)	Muzzle Energy (ft. lbs)	
					Muzzle	100 yds.	Muzzle	100 yds.					
22 Win. Mag Supreme	JHP	S22WM	34	50	2120	1435	338	155	1.4	-	-	-	LFN
22 Win. Mag	JHP	X22MH	40	50	1910	1326	324	156	1.7	6.5	1480	195	LHP
22 Win. Mag.	FMJ	X22M	40	50	1910	1326	324	156	1.7	6.5	1480	195	JHP
<b>NEW</b> 22 Win. Mag. Dyna Point	DP	USA22M	45	50	1550	1147	240	131	2.6	-	-	-	LRN
<b>NEW</b> 22 WRF	LFN*	22WRF	45	50	1300	1023	169	105	3.2	-	-	-	LRN
22 PowerPoint	PP*	X22LRPP	40	50	1280	1001	146	89	3.5	6	1085	105	PP
22 Long Rifle	LRN*	X22LR	40	50	1255	1017	140	92	3.6	6	1060	100	PP
22 Long Rifle	LHP*	X22LRH	37	50	1280	1015	135	85	3.5	-	-	-	DP
T22 <sup>®</sup> Long Rifle	LRN-SV	XT22LR	40	50	1150	976	117	85	4	6	950	80	DP
22 Wildcat <sup>®</sup>	LRN	WW22LR	40	50	1255	1017	140	92	3.6	6	1060	100	FMJ
22 Long Rifle	LHP	W22LRB	40	550	1150	976	117	85	4.0	6	950	80	Blk. Pwd.
22 Long Rifle	LHP	XPERT22	36	500	1220	956	122	75	4.0	6	925	68	Blk. Pwd.
22 Long Rifle	#12 Shot	X22LRS	-	50	-	-	-	-	-	-	-	-	SV
22 Short	Blank	X22SB	Blk. Pwd.	50	-	-	-	-	-	-	-	-	Standard Velocity
22 Short	LRN*	X22S	29	50	1095	903	77	52	4.5	6	1010	66	*Lubaloy <sup>®</sup> Coated



## Winchester<sup>®</sup> Rimfire Ammunition

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**To End Up With The Best, Start With The Best:**



## Winchester® Components.

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### Muzzle-Loading Components Sabot Slug & Primers

#### Supreme® Hunting Bullets & Sabots

Sabot Caliber	Symbol	Bullet Wt. Grs.	Bullet Type	Quantity/ Carton
<b>NEW</b> .45	WML45PTH	200 gr.	Platinum Tip™ HP	30
.50	WML260P	260 gr.	Partition Gold®	10
	WML260PTH	260 gr.	Platinum Tip HP	30
<b>NEW</b> .54	WML54PTH	400 gr.	Platinum Tip HP	30

#### Winchester Muzzle-Loading Primers

-WML209 100

### Winchester® Primers

Symbol	Primer	Types
W209	#209	Shotgun Shells
WLR	#8-1/2 - 120	Large Rifle
WLRM	#8-1/2M - 120	Large Rifle Magnum
WSR	#6-1/2 - 116	Small Rifle
WSP	#1-1/2 - 108	Small Regular Pistol
WLP	#7 - 111	Large Regular Pistol
WSPM	#1-1/2M - 108	Small Magnum Pistol

### Consumer Pack Metallic Component Handgun Bullets (Plastic Bag)

Caliber	Nominal Bullet Diameter	Bullet Weight	Bullet Type	Symbol	Quantity /Bag
380	.356	95 gr.	FMJ	WB380MC95	100
38	.356	130 gr.	FMJ	WB38MC130	100
9mm	.355	115 gr.	STHP	WB9ST115	100
9mm	.355	115 gr.	FMJ-Flat Base	WB9FB115	100
9mm	.355	115 gr.	FMJ-Hollow Base	WB9MC115	100
9mm	.355	115 gr.	JHP-Notched	WB9JHP115	100
9mm	.355	147 gr.	STHP	WB9ST147	100
9mm	.355	147 gr.	JHP-Notched	WB9JHP147	100
9mm	.355	124 gr.	FMJ-Flat Base	WB9MC124	100
38/357	.357	110 gr.	JHP-Notched	WB38JHP110	100
38/357	.357	125 gr.	JHP-Notched	WB38JHP125	100
38/357	.357	145 gr.	STHP	WB357ST145	100
38/357	.357	158 gr.	JHP-Notched	WB357HP158	100
40/10mm	.400	155 gr.	STHP	WB40ST155	100
40/10mm	.400	165 gr.	Truncated Cone	WB40TC165	100
40/10mm	.400	175 gr.	STHP	WB40ST175	100
40/10mm	.400	180 gr.	Truncated Cone	WB40TC180	100
40/10mm	.400	180 gr.	JHP-Notched	WB40JHP180	100
44	.430	210 gr.	STHP	WB44ST210	100
44	.430	240 gr.	HSP-Notched	WB44HSP240	100
45	.451	230 gr.	FMJ	WB45MC230	100
45	.451	230 gr.	JHP-Notched	WB45JHP230	100

NOTE: Use with reload data published for jacketed bullets of the same caliber and weight.

### Consumer Pack Metallic Component Rifle Bullets (Plastic Bag)

Caliber	Nominal Bullet Diameter	Bullet Weight	Bullet Type	Symbol	Quantity /Bag
22	.224	46 gr.	HP	WB22HP46	100
22	.224	50 gr.	PSP	WB222PSP50	100
22	.224	55 gr.	FMJBT	WB556MC55	100
22	.224	55 gr.	PSP	WB223PSP55	100
22	.224	64 gr.	PP	WB223PP64	100
243	.243	80 gr.	PSP	WB243PSP80	100
270	.277	130 gr.	PP	WB270PP130	100
7mm	.284	150 gr.	PP	WB7PP150	100
7.62	.310	123 gr.	PP	WB762PP123	100
30	.308	147 gr.	FMJBT	WB762MC147	100
30	.308	150 gr.	PP	WB30PP150	100
30 (30-30)	.308	150 gr.	PPFN	WB30FN150	100
30 (308)	.308	180 gr.	PP	WB308SP180	100
44 (44-40)	.426	200 gr.	SP	WB44SP200	100

NOTE: Use with reload data published for jacketed bullets of the same caliber and weight.

### Consumer Pack Metallic Component Unprimed Rifle Shellcases (Plastic Bag)

Cartridge	Symbol	Quantity/Bag
218 Bee	WSC218BU	100
22 Hornet	WSC22HU	100
22-250 Rem.	WSC2225OU	100
220 Swift	WSC220SU	100
222 Rem.	WSC222RU	100
223 Rem.	WSC223RU	100
<b>NEW</b> 223 WSSM	WSC223WSSU	50
243 Win.	WSC243WU	100
<b>NEW</b> 243 WSSM	WSC243WSSU	50
6mm Rem.	WSC6MMRU	100
25-06 Rem.	WSC2506RU	100
25-20 Win.	WSC2520U	50
257 Roberts +P	WSC257PU	50
6.5x55 Swedish	WSC6555SU	50
270 Win.	WSC270WU	50
270 WSM	WSC270WSMU	50
280 Rem.	WSC280RU	50
284 Win.	WSC284WU	50
7mm-08 Rem.	WSC708RU	50
7mm Rem. Mag.	WSC7MMRU	50
7mm STW	WSC7STWU	50
7mm WSM	WSC7MMWSMU	50
30-30 Win.	WSC3030WU	50
30-06 Springfield	WSC3006SFU	50
300 WSM	WSC300WSMU	50
300 Win. Mag.	WSC300WMU	50
300 H&H Mag.	WSC300HHU	50
303 British	WSC303BU	50
307 Win.	WSC307U	50
308 Win.	WSC308WU	50
7.62x39mm	WSC762X39U	50
32-20 Win.	WSC3220U	50
338 Win. Mag.	WSC338WMU	50
348 Win.	WSC348WMU	50
356 Win.	WSC356U	50
358 Win.	WSC358U	50
375 Win.	WSC375WU	50
375 H&H Mag.	WSC375HHU	50
38-40 Win.	WSC3840U	50
38-55 Win.	WSC3855WU	50
44-40 Win.	WSC4440WU	50
45-70 Government	WSC4570GU	50
458 Win. Mag.	WSC458WMU	50

### Consumer Pack Metallic Component Unprimed Handgun Shellcases (Plastic Bag)

Cartridge	Symbol	Quantity/Bag
380 Automatic	WSC380AU	100
30 Luger	WSC30LU	100
9mm Luger	WSC9U	100
38 Special	WSC38SU	100
38 Super Auto	WSC38AS+U	100
9x23mm	WSC923WU	100
357 Sig	WSC357SIGU	100
357 Magnum	WSC357MU	100
40 Smith & Wesson	WSC40SWU	100
10mm	WSC10MMU	100
41 Rem. Mag.	WSC41RMU	100
44 Smith & Wesson	WSC44SWU	100
44 Rem. Mag.	WSC44MU	100
45 Automatic	WSC45AU	100
45 Colt	WSC45COLTU	100
454Casull	WSC454CU	50

### Shotshell Wads

Symbol	Gauge	Optimum	Description	Shot Wt.	Color
WAA12L	12	7/8 oz.	For 7/8 to 1 ounce loads.		Gray
WAA12	12	1-1/8 oz.	For 1 to 1-5/8 ounce loads.		White
WAA12R	12	1-1/2 oz.	For 1-1/8 to 1-7/8 ounce loads.		Red
WAA12F114	12	1-1/4 oz.	For 1-1/4 ounce loads.		Yellow
WAA12SL	12	1 oz. & 1-1/8 oz.	For 1 to 1-1/8 ounce loads but can be used anywhere 1 ounce F1 wad was recommended.		Pink
WT12	12	1-1/8 oz.	For 1 to 1-5/8 oz. loads.		Orange
WAA20	20	7/8 oz.	For 7/8 to 1-1/4 ounce loads.		White
WAA28	28	3/4 oz.	Used in most 28 gauge loads.		Pink
<b>NEW</b> WAA28HS	28	3/4 oz.	Used in new HS Hull Only		Red
WAA41	.410	1/2 oz.	Used in field and target loads in 2-1/2 or 3" cases.		White
<b>NEW</b> WAA410HS	.410	1/2 oz.	Used in new HS Hull Only		Red

### Winchester® Propellants

Symbol*	Type	Unit	Units Per Case
<b>231</b>			
W2311BP	Handgun	1 lb.	10
W2314BP	Handgun	4 lbs.	6
W2318BP	Handgun	8 lbs.	4
<b>296</b>			
W2961BP	Mag. Handgun & .410 Shotshell	1 lb.	10
W2964BP	Mag. Handgun & .410 Shotshell	4 lbs.	6
W2968BP	Mag. Handgun & .410 Shotshell	8 lbs.	4
<b>Super-Target®</b>			
WST1BP	Shotshell & Handgun	1 lb.	10
WST4BP	Shotshell & Handgun	4 lbs.	6
WST8BP	Shotshell & Handgun	8 lbs.	4
<b>Super-Field®</b>			
WSF1BP	Shotshell & Handgun	1 lb.	10
WSF4BP	Shotshell & Handgun	4 lbs.	6
WSF8BP	Shotshell & Handgun	8 lbs.	4
<b>748</b>			
W7481BP	Rifle	1lb.	10
W7488P	Rifle	8lbs.	4
<b>760</b>			
W7601BP	Rifle	1 lb.	10
W7608BP	Rifle	8 lbs.	4
<b>WXR</b>			
WXR1BP	Rifle Extruded	1 lb.	10
WXR8BP	Rifle Extruded	8 lbs.	4

\* NOTE: The 1, 4 or 8 after the symbol denotes unit weight only

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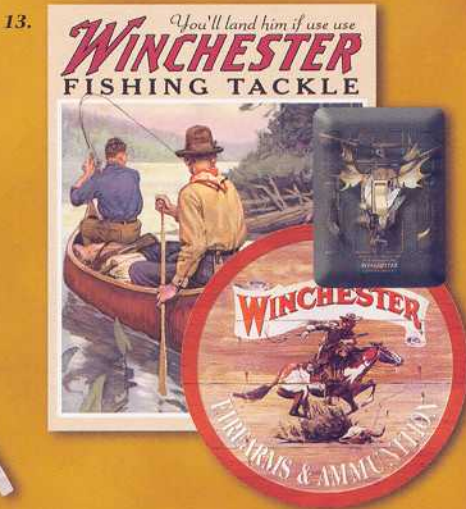
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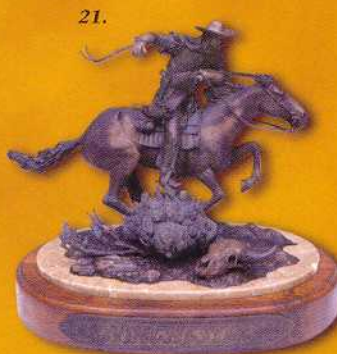
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25. *Sapphire Lights*  
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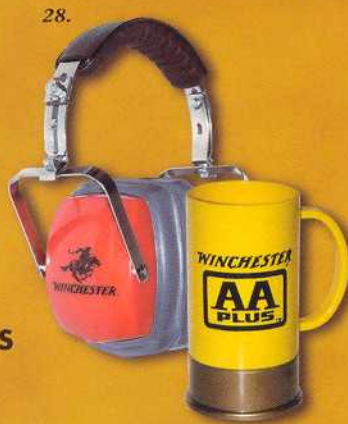
26. *Police Batons, Shoe Leather Dye*  
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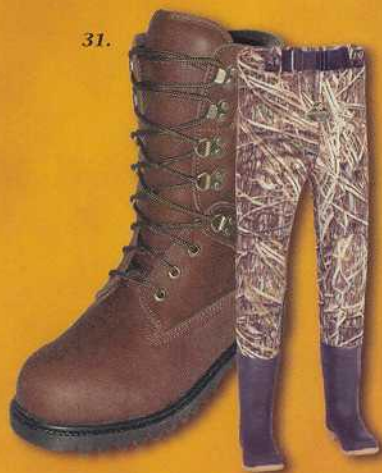
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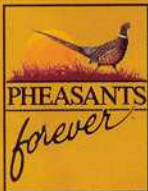
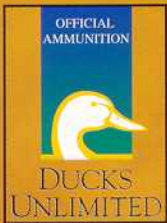
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