



LRW ENFORCEMENT AMMUNITION CATALOG — THE FINEST HANDGUN, RIFLE AND SHOTSHELL AMMUNITION FOR LAW ENFORCEMENT



WINCHESTER®
AMMUNITION

Winchester® Ranger® Law Enforcement Ammunition

If your job is to uphold the law, Winchester® Ranger® is designed specifically for you.

For 142 years, Winchester has served the law enforcement community. It is the brand and the ammunition that won the West. And since then, we've been with you every step of the way. From the development of a special cartridge for the revolutionary .357 Magnum, the 40 S&W, and the 9mm Super-X® Subsonic® round for military special operations, we have answered the call.

Today, we continue to fulfill critical needs with ground-breaking new products that meet and exceed your toughest requirements. These new technologies are the direct result of your comments and feedback—and through our active support of the AFTE, ASLET and IALEFI.

Combining research and development with real-world feedback and testing we can continue to provide you with the highest performing ammunition.

For law enforcement training and duty ammunition, Winchester Ranger is the perfect choice.



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Latest Innovations from Winchester®

Winchester Law Enforcement Ammunition is proud to announce that it has been awarded the single largest ammunition contract in the history of federal law enforcement by one of the nation's premier law enforcement agencies. The basis of this prestigious contract is the Winchester® Enhanced Ranger® Bonded service round in .40 S&W with a 180 grain bonded JHP bullet, supported with Winchester and Ranger training ammunition—including reduced-lead and frangible rounds.

Enhanced Ranger Bonded ammunition is also offered in multiple caliber configurations. See page 16 for details.

The performance of the Winchester Ranger "T" Series handgun ammunition has also been enhanced with a re-engineered SXT® bullet—designed to deliver uncompromising stopping power. See page 4 for details.





Ranger® "T" Series Handgun Ammunition

- Excellent Stopping Power
- Outstanding Penetration,
Expansion & Weight Retention
- Superior Accuracy
- Wider & Stronger Six Petal Configuration
- Consistent & Reliable Performance



When a situation unfolds, so does the Ranger® "T" Series handgun ammunition. With an unbeatable combination of expansion and penetration enhanced by re-engineered petals in the patented SXT® hollow point jacket design, the "T" Series can be relied on to deliver consistent stopping power in real world situations. Backed by Winchester's comprehensive testing and training program, Ranger "T" Series is ammunition that always performs at its best—even when things are at their worst.

Hollow Point

- Provides consistent expansion through a variety of barriers
- Aids in maximizing upset at both long and short range

Copper Alloy Jacket

- Patented reverse taper design helps lock in lead core on impact
- Thick at nose for improved integrity against hard barriers and increased weight retention
- Thin at heel for improved accuracy

**Lead Alloy Core**

- Lead alloy core for superior accuracy and improved upset performance

Massive Upset

- Six petal upset with enhanced strength
- Massive frontal area for stopping power





Ranger® Bonded Handgun Ammunition

- Superior Penetration
- Ideal for Auto Glass or Other Abrasive Barriers
- Permanent Core/Jacket Bond with Special Hollow Point Cavity
- Outstanding Accuracy
- Consistent & Reliable Performance



Ranger® Bonded handgun ammunition was specifically created to deliver maximum penetration through the toughest of barriers. This effectiveness is made possible thanks to Winchester's proprietary core/jacket bonding process—and is enhanced with a special hollow point cavity that acts in unison to control expansion, leading to maximum weight retention and deep penetration through hard and abrasive barriers including auto glass. Recently selected by federal law enforcement agencies for its .40 Caliber service round, the Ranger Bonded gives you the penetration to handle the most serious of threats.

Proprietary Bonding Process

- Allows the lead core and jacket to act together as a unit to control expansion
- Greater retained weight means deeper penetration

Drawn Copper Alloy Jacket with Profiled Wall Thickness

- Custom jacket wall profile maximizes bullet performance
- Uniform notching helps ensure clean petal performance



Hollow Point Cavity

- Designed to work with Winchester's exclusive bonding technology to deliver outstanding performance through the toughest barriers

Lead Core

- Pure lead cores are used for consistent bullet forming and to promote superior accuracy





Winchester® Centerfire Rifle Ammunition

- **Massive Stopping Power**
- **Pinpoint Accuracy**
- **Winchester and Nosler, Inc. Combined Technologies® Deliver Unmatched Bullet Performance**
- **Extensive Line of Law Enforcement Rifle Ammunition—Ranger®, SuperClean NT®, Supreme® and Supreme Elite®**



When there is no room for error, there is no room for anything but Winchester® Centerfire rifle ammunition.

Ready to meet all of your tactical and patrol applications, the extensive Centerfire line-up has you covered.

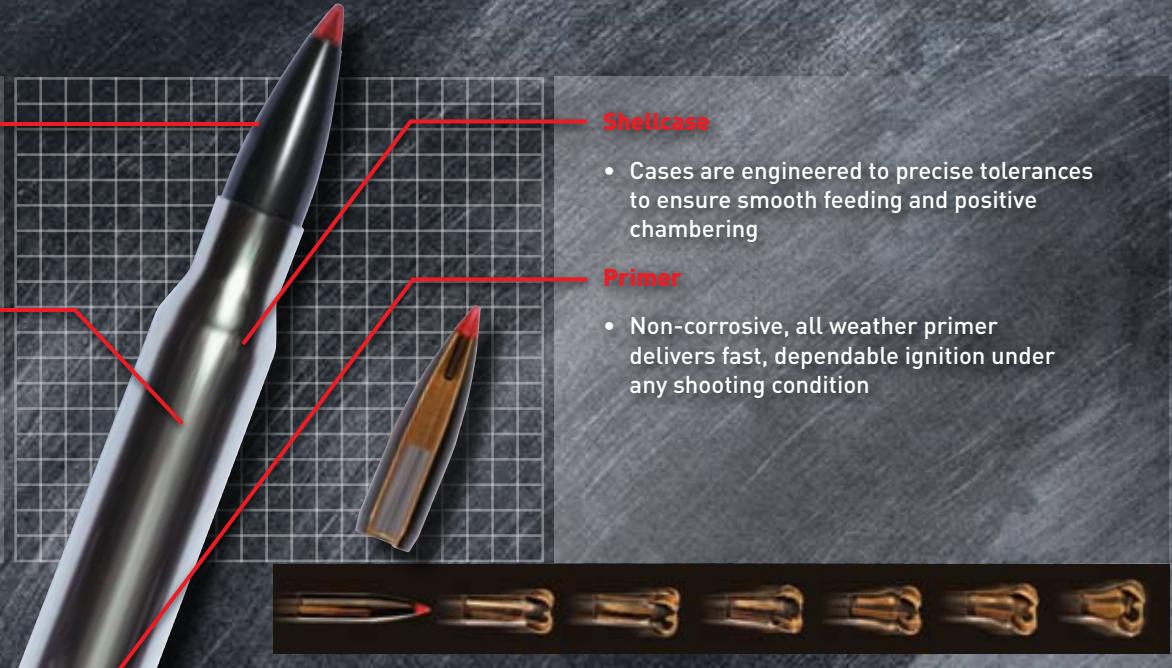
For critical tactical shots, the Ranger .223 with Nosler® Partition® Bullet or Supreme Elite .308 with XP³® bullet technology delivers unsurpassed penetration with controlled expansion through glass and tough barrier materials. Need exceptional dependability, consistency and "match-grade" accuracy or maximum stopping power? Then reach for the devastating on-target effect of Ranger® Ballistic Silvertip® and Supreme® Match ammunition featuring the renowned Sierra® Boat Tail Hollow Point (BTHP) bullet.

Bullets

- Bullets are custom designed and manufactured to precise specifications to deliver specific on-target performance characteristics. These characteristics vary depending on bullet design

Propellants

- Clean-burning propellants are specifically formulated and custom blended to maximize velocity and on-target energy



Shellcase

- Cases are engineered to precise tolerances to ensure smooth feeding and positive chambering

Primer

- Non-corrosive, all weather primer delivers fast, dependable ignition under any shooting condition



Ranger® Shotshell Slugs, Buckshot and Training

- **The Leader in Shotshell Technology for more than 142 Years**
- **Low Recoil Buckshot Loads Deliver 30% Less Recoil Than Standard Loads**
- **Low Recoil Hollow Point Rifled Slugs Provide Superior Accuracy, Penetration and Upset Performance**
- **WinLite® Offers up to a 50% Reduction in Recoil Compared to Standard Shotshell Rounds**



With more than 142 years of experience in shotshell technology, Winchester® provides a decisive tactical advantage to Law Enforcement officers with tight patterning Buckshot Loads and high accuracy Rifled Hollow Point Slugs and Sabot Slugs.

For all the performance of traditional Ranger loads and slugs without the high power kick, look to Ranger Low Recoil Buckshot Loads and Low Recoil Hollow Point Slugs. These products deliver less shooting fatigue and quick, on-target follow-up shots with clean-burning, low flash powder for reduced night vision loss.

Specifically designed for training requirements, Winchester® AA® & WinLite Target Loads and Ranger Non-Toxic Steel Shotshells make the ideal introductory rounds for shotgun familiarization.

Shellcase

- Polyformed plastic tubes are used to create smooth hulls to improve cycling through all shotgun actions

Payload

- Either shot, Buckshot or 1 oz. Rifled Slugs

**Wadding**

- Cup and fiber wads provide effective gas pressure seal in slug loads. Plastic shot cups protect buckshot pellets and provide improved pattern performance for low recoil buckshot loads

Primer

- Non-corrosive, all weather primer delivers fast, dependable ignition under any shooting condition





Ranger® Frangible SF™ Ammunition

- Next-Generation Reduced Hazard Ammunition
- Frangible Against Hard Targets
- Heavy-Metal-Free Primer and Projectile



Ranger® Frangible SF™ gives military and law enforcement personnel a realistic, reduced hazard option for close quarters training and special purpose applications.

By incorporating totally lead-free-powdered metal projectiles, Ranger Frangible SF handgun, rifle and shotshell ammunition delivers superior frangibility against hard targets and is lethal against soft targets. Since there is no jacket, plating or surface treatment on the projectiles, nothing but fine, low-energy dust particles remain after impact with hard surface targets – reducing ricochet and target backsplash.

Ranger® Frangible SF™ Handgun Ammunition

Winchester Ranger® Frangible SF™ handgun loads give you outstanding accuracy and the same point of impact as duty ammunition at 25 yards, while more closely approximating the "felt recoil" of duty loads compared to other frangible offerings.

Ranger Frangible SF Centerfire Rifle Ammunition

For long distance training and special purpose applications, SF™ Centerfire rifle ammunition delivers the performance you need without the risk of ricochet, back splatter and airborne heavy-metal particles.

Ranger Frangible SF Buckshot and Slugs

Ranger Frangible SF buckshot loads and multipurpose slugs provide a realistic and reduced hazard option for intensive shotgun familiarization, instruction and training as well as special purpose applications.



Bullet Design

- An exclusive blend of copper/tin composite materials and patented, heat treated metal manufacturing technology results in superior frangibility
- Homogeneous design delivers high accuracy and trajectory matches of conventional leaded training rounds

Propellant

- Winchester's clean burning propellant minimizes residue and fouling in gun actions and barrels

Primer

- Patented, heavy-metal-free primer eliminates airborne lead contamination at the firing point
- Contains no lead, barium, antimony or strontium



WinClean® Handgun Ammunition

WinClean® handgun ammunition uses Winchester's patented lead-and heavy-metal-free primers and features an advanced bullet jacket called the Brass Enclosed Base (or BEB) that completely covers the base and sides of the bullet with a brass jacket. Together these technologies are designed to eliminate airborne lead originating at the firing point. In addition to creating a safer shooting environment, WinClean features a brass case and Winchester's legendary performance and reliability.

WinClean creates a benchmark for cleanliness, with less barrel, action and shellcase residue. To the shooter, that means less time cleaning guns and more time on the range.

- **Lead-and-Heavy-Metal-Free Primer**
- **Brass Enclosed Base Eliminates Lead Vaporization from Bullet Base**
- **Excellent Accuracy**



SuperClean NT® Handgun and Rifle Ammunition

SuperClean NT® ammunition takes lead completely out of the equation to create a safer and cleaner shooting environment. The specially designed soft point/tin-core bullet delivers superior accuracy and function in all handguns and rifles—while eliminating the down range equipment and bullet trap contamination associated with standard leaded ammunition.

In addition, SuperClean NT products offer the same point-of-impact and average 85% felt recoil of conventional duty rounds. Add Winchester's patented, lead-free/heavy-metal-free primers and clean burning propellant, and you have a breakthrough in high performance, non-toxic ammunition.

- **Non-Toxic Tin Core Bullet**
- **Lead-and-Heavy-Metal-Free Primer**
- **Superior Accuracy**



Law Enforcement Ballistics Workshop and Training Tools

Real World Results

Knowing the ballistics of the ammunition you choose is critical to your officers' safety and survival. That's why Winchester offers a comprehensive terminal ballistics workshop program for interested Law Enforcement agencies across the country.

Featuring a fleet of ten specially designed trailers as mobile labs, Winchester representatives conduct and share their knowledge of terminal ballistics performance using industry standard 10% ballistic gelatin and a variety of other real-world barriers.

The Winchester Law Enforcement Ballistics Workshop is a hands-on experience where officers are involved every step of the way. Interesting and informative, we believe any officer involved in the selection of duty ammunition would find it very worthwhile to attend.

To request a Winchester Ranger Ballistics Workshop at your department, or to find the current schedule of events, please contact your local Winchester Law Enforcement Ammunition Distributor or contact the number below for more information.

Winchester Ranger
Law Enforcement Ammunition
1.618.258.3984

Talk to our Technical Specialists

Winchester has Law Enforcement Ammunition Technical Specialists to answer any questions you may have. Please contact us directly from 8:00 am to 4:30 pm Central Time, Monday through Friday. You can also write, email or fax at any time with your question.

Winchester Law Enforcement Ammunition

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Law Enforcement Ammunition: Handgun Ballistics

Ranger® Bonded Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
RA357SB	357 SIG	125	Bonded	1350	1331	1262	506	442	4
RA98A	9mm Luger +P	124	Bonded	1180	1169	1126	383	349	4
RA98	9mm Luger	147	Bonded	995	990	970	323	307	4
RA40BA	40 S & W	165	Bonded	1140	1130	1091	476	436	4
RA40B	40 S & W	180	Bonded	1025	1019	995	420	396	4
RA45GB	45 G.A.P.	230	Bonded	905	900	885	418	399	5
RA45B	45 Auto	230	Bonded	905	900	885	418	399	5

Ranger® "T" Series Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
RA380T	380 Auto	95	"T" Series	1000	990	959	211	194	3.75
RA357SIGT	357 SIG	125	"T" Series	1350	1331	1262	506	442	4
RA9124TP	9mm Luger +P	124	"T" Series	1180	1169	1126	383	349	4
RA91A	9mm Luger +P+	127	"T" Series	1250	1236	1183	441	395	4
RA97	9mm Luger	147	"T" Series	990	985	967	320	305	4
RA40TA	40 S & W	165	"T" Series	1140	1129	1091	476	436	4
RA40T	40 S & W	180	"T" Series	1025	1019	995	420	396	4
RA45T	45 Auto	230	"T" Series	905	900	885	418	399	5
RA45TP	45 Auto +P	230	"T" Series	990	985	965	501	475	5

Ranger® Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
RA38110HP+	38 Special +P+	110	Jacketed Hollow Point	1155	1142	1094	326	293	4V
RA9115HP+	9mm Luger +P+	115	Jacketed Hollow Point	1335	1319	1258	455	404	4
RA9MMJHP	9mm Luger	115	Jacketed Hollow Point	1225	1210	1154	383	340	4
RA9124N	9mm NATO	124	Full Metal Jacket (Ball)	1185	1174	1132	387	352	4
RA9MM147FMJ	9mm Luger	147	Full Metal Jacket (Flat Nose)	985	980	963	317	303	4
RA40155HP	40 S & W	155	Jacketed Hollow Point	1210	1195	1148	502	454	4
RA40180HP	40 S & W	180	Jacketed Hollow Point	1020	1015	991	417	392	4

Ranger® Frangible SF™ Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
RA357SF	357 SIG	100	Frangible SF	1490	1461	1350	493	405	4
RA9SF1	9mm Luger +P	90	Frangible SF	1400	1377	1290	392	333	4
RA9F	9mm Luger +P	100	Frangible SF	1300	1282	1215	375	328	4
RA40SF	40 S & W	135	Frangible SF	1170	1158	1113	410	371	4
RA45GSF	45 G.A.P.	175	Frangible SF	1000	994	969	389	365	5
RA45SF	45 Auto	175	Frangible SF	1000	994	969	389	365	5

WinClean® Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
WC3801	380 Auto	95	BEB Flat Nose	955	947	916	192	177	3.75
WC381	38 Special	125	BEB JSP	775	774	748	167	155	4V
WC91	9mm Luger	115	BEB Truncated Cone	1190	1178	1135	362	329	4
WC92	9mm Luger	124	BEB Truncated Cone	1130	1120	1081	352	325	4
WC93	9mm Luger	147	BEB Truncated Cone	990	985	967	320	305	4
WC3571	357 Magnum	125	BEB JSP	1370	1350	1275	521	451	4V
WC357SIG	357 SIG	125	BEB Flat Nose	1350	1331	1262	506	442	4
WC401	40 S & W	165	BEB Truncated Cone	1130	1121	1089	468	434	4
WC402	40 S & W	180	BEB Truncated Cone	990	985	965	392	372	4
WC45G	45 G.A.P.	230	BEB Truncated Cone	875	870	857	391	375	5
WC451	45 Auto	185	BEB Truncated Cone	910	902	870	340	311	5
WC452	45 Auto	230	BEB Truncated Cone	875	870	857	391	375	5

Law Enforcement Ammunition: Handgun Ballistics

Super Clean NT® Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
SC9NT	9mm Luger	105	Jacketed Soft Point	1200	1185	1131	336	298	4
SC38NT	38 Special	110	Jacketed Soft Point	975	967	938	232	215	4V
SC40NT	40 S&W	140	Jacketed Soft Point	1155	1141	1091	415	370	4

Subsonic Centerfire Duty Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
USA9JHP2	9mm Luger	147	Jacketed Hollow Point	990	985	967	320	305	4
USA40JHP	40 S&W	180	Jacketed Hollow Point	1010	1004	980	408	384	4

Super-X® Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
X25AXP	25 Auto	45	Expanding Point	815	806	770	66	59	2
X32ASHP	32 Auto	60	Silver Tip Hollow Point	970	962	930	125	115	4
X38AHP	38 Auto	85	Silver Tip Hollow Point	1000	991	958	189	173	3.75
X3851P	38 Special	158	Lead Round Nose	755	752	739	200	192	4V
X3859HP	38 Special	110	Silver Tip Hollow Point	945	940	918	218	206	4V
X385MRP	38 Special	148	Lead Wad Cutter	710	702	671	166	148	4V
X38WCPSP	38 Special	158	Lead Wad Cutter	755	751	738	200	191	4V
X3857PH	38 Special +P	125	Jacketed Hollow Point	945	940	921	248	235	4V
X3858HP	38 Special +P	125	Silver Tip Hollow Point	945	940	921	248	235	4V
X38SPD	38 Auto +P	158	Lead Wad Cutter HP	890	886	872	278	267	4V
X38ASHP	38 Auto +P	125	Silver Tip Hollow Point	1240	1228	1181	427	387	5
X923W	9x23 Winchester	125	Silver Tip Hollow Point	1450	1428	1343	583	501	5
X9MMSHP	9mm Luger	115	Silver Tip Hollow Point	1225	1210	1154	383	340	4
X9MMST147	9mm Luger	147	Silver Tip Hollow Point	1010	1005	985	333	317	4
X3576P	357 Magnum	125	Jacketed Hollow Point	1450	1427	1338	583	497	4V
X357SHP	357 Magnum	145	Silver Tip Hollow Point	1290	1275	1218	535	478	4V
X3574P	357 Magnum	158	Jacketed Hollow Point	1235	1220	1164	535	475	4V
X40SWSTHP	40 S&W	155	Jacketed Hollow Point	1235	1220	1164	535	475	4V
X10MMSTHP	10mm Auto	175	Silver Tip Hollow Point	1290	1273	1209	649	568	5.5
X41MSTHP2	41 Rem Magnum	175	Silver Tip Hollow Point	1250	1235	1180	607	541	6.5V
X44MS	44 Magnum	210	Silver Tip Hollow Point	1250	1233	1171	729	639	4V
X45GSTHP	45 G.A.P.	185	Silver Tip Hollow Point	1000	993	967	411	384	5
X45ASHP2	45 Auto	185	Silver Tip Hollow Point	1000	993	967	411	384	5

USA Brand Handgun

Symbol	Cartridge	Bullet Wt. Grs.	Bullet Type	Muzzle	Velocity (fps) 5 Yds.	Energy (ft-lbs.) Muzzle	Barrel Length (Inches)		
					25 Yds.	25 Yds.			
Q4203	25 Auto	50	Full Metal Jacket (Ball)	760	754	733	64	60	2
Q4255	32 Auto	71	Full Metal Jacket (Ball)	905	900	879	129	122	4
Q4206	38 Auto	95	Full Metal Jacket (Flat Nose)	955	949	907	192	174	3.75
Q4205	38 Super Auto +P	130	Full Metal Jacket (Ball)	1215	1202	1152	426	383	5
USA38JSP	38 Special	125	Jacketed Hollow Point	945	940	921	248	235	4V
USA38SP	38 Special	125	Jacketed Soft Point	850	845	826	201	189	4V
Q4171	38 Special	130	Full Metal Jacket (Ball)	800	796	782	185	177	4V
Q4196	38 Special	150	Lead Round Nose</						

Law Enforcement Ammunition: Rifle Ballistics

Supreme®

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 50 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.	Trajectory (inches) 50 yds.	100 yds.
S308M	168	BTHP	2680	2581	2485	2680	2485	2303	-0.1	0
SXP308	150	XP3	2825	2719	2616	2658	2463	2279	-0.2	0

Ranger® .223 Nosler® Partition®

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 50 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.	Trajectory (inches) 50 yds.	100 yds.
Q3283	60	Nosler Partition	2770	2557	2351	1024	871	737	-.6	0

Ranger® Frangible SF™

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 50 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.	Trajectory (inches) 50 yds.	100 yds.
RA223SF	55	Frangible SF	3240	2864	2518	1282	1002	774	-.2	0

Ranger®

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 50 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.	Trajectory (inches) 50 yds.	100 yds.
RA556M855	62	Penetrator	3095	2950	2810	1318	1189	1087	-.3	0
RA223STA	55	Ballistic Silvertip	3410	3191	2982	1291	1130	987	-.3	0
RA223R	55	Pointed Soft Point	3240	2986	2747	1282	1089	921	-.3	0
RA223R2	64	Power-Point	3020	2816	2621	1296	1127	976	-.2	0
RA223M	69	BTHP	3060	2853	2740	1435	1248	1151	-.2	0

Winchester® 5.56mm SRTA Training Ammunition

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 5 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.
03290	3.6	Polyethylene	4350	811	370	206	5.3	1.1

Super Clean NT®

Symbol	Bullet Wt.	Bullet Type	Muzzle	Velocity (fps) 50 yds.	100 yds.	Muzzle	Energy (ft. lbs.) 50 yds.	100 yds.	Trajectory (inches) 50 yds.	100 yds.
SC556NT	55	Jacketed Soft Point	3090	2759	2457	1161	930	737	-.2	0

Rifle Barrier Penetration Data (inches)

Symbol	Bullet Wt.	Bullet Type	Bare Gelatin	Heavy Cloth	Steel	Wallboard	Plywood	Auto glass	Gelatin %
RA223R	55	PSP	9.75	9.8	7.7	8.05	8.90	3.5	10%
RA223STA	55	BST	12	13	6	8	13.5	9.5	10%
Q3131A	55	FMJ	12	15	9	6	6	2.5	10%
USA223	45	JHP	4.5	4.5	3	4.25	4.5	1.75	10%
RA223M	69	BTHP	9	10.25	6.75	6.5	9.5	2	10%
RA223R2	64	PP	13	13.25	12.5	11.25	11.75	5	10%
SC556NT	55	JSP	15.6	14.3	11.5	13.3	15.1	9.4	10%
Q3283	60	Partition	17.4	17.3	16	15.3	16.2	16.4	10%
SBST308A	168	BST	14.3	17	9.6	11.7	13.2	9	20%
S308M	168	BTHP	17	20	9	12.5	14	10	20%
SXP308	150	XP3	26.5	27.2	27.4	27.5	33	27.4	10%

Law Enforcement Ammunition: Shotshells

Ranger® Buckshot

Symbol	Shell Length	Pellet Size	Pellet Count	Rounds per box	Velocity (fps)	Energy @ 3 ft
RA12008 (Low-Recoil)	2 3/4"	00 Buck	8	25	1145	1190
RA12005 (Low-Recoil)	2 3/4"	00 Buck	8	5	1145	1190
RA1200 (Low-Recoil)	2 3/4"	00 Buck	9	25	1145	1335
RA12005 (Low-Recoil)	2 3/4"	00 Buck	9	5	1145	1335
RA1200HD	2 3/4"	00 Buck	9	25	1325	1790

Ranger® Frangible SF™ Buckshot

RA1200SF Frangible SF	2 3/4"	00 Buck	9	25	1300	1180
RA124SF Frangible SF	2 3/4"	4 Buck	27	25	1300	1250

Ranger® Slugs

Symbol	Shell Length	Slug Weight	Slug Type	Velocity (fps)	Energy @ 3 ft
RA12RS15 (Low-Recoil)	2 3/4"	1 oz.	H.P. Foster	1200	1400

Ranger® Frangible SF™ Slugs

RA12RSSF Frangible SF	2 3/4"	375 grs.	Frangible SF	1275	1355
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Supreme® Buckshot

Symbol	Shell Length	Pellet Size	Pellet Count	Velocity (fps)	Energy @ 3 ft
X12XC0B5	2 3/4"	00 Buck	12	1295	2260
X12C1B	2 3/4"	1 Buck	20	1075	1705

Super-X® Slugs

Symbol	Shell Length	Slug Weight	Slug Type	Velocity (fps)	Energy @ 3 ft
X12RS15	2 3/4"	1 oz.	H.P. Foster	1600	2490

Super-X® Buckshot

Symbol	Shell Length	Pellet Size	Pellet Count	Velocity (fps)	Energy @ 3 ft
XB12000	2 3/4"	000 Buck	8	1325	2090
XB1200	2 3/4"	00 Buck	9	1325	1825
XB120	2 3/4"	0 Buck	12	1275	2075
XB121	2 3/4"	1 Buck	16	1250	1915
XB124	2 3/4"	4 Buck	27	1325	2090
XB1231 (Magnum)	3"	1 Buck	24	1040	1990
XB12300 (Magnum)	3"	00 Buck	15	1210	2490

Shotshell Training Rounds

Symbol	Shell Length	Powder Dram Equivalent	Velocity (fps) @ 3 ft.	Oz. Shot	Shot Sizes
AA12FL	2 3/4"	2 1/2	980	26 gram	8
TRGT12M	2 3/4"	3	1200	1-1/8	7.5, 8
TRGT12	2 3/4"	2 3/4	1145	1-1/8	7.5, 8

Ranger® Non-Toxic Steel Shotshell—Non Frangible

RA12NT7	2 3/4"	3	1200	1-1/8	7
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Law Enforcement Shotshell Performance Data

Symbol	Velocity (fps)	10% Gelatin penetration 25 yd. penetration	Pattern or Group	Recoil ft. lbs. with 8lb. gun
X12RS15	1600	12.4"	2" 40 yds.	29.1
RA12RS15	1200	18.6"	2" 40 yds.	15.6
RA1200HD	1325	15.8"	12' 25 yds.	23.1
RA12005	1145	15.7"	11' 25 yds.	15.8
RA120085	1145	15.7"	10' 25 yds.	13.4



Handgun Bullet Barrier Testing Protocol

The Ballistic Properties and terminal effectiveness of Winchester Law Enforcement Ammunition are monitored and controlled throughout the manufacturing, quality control and test process. All testing is performed in the Winchester laboratories using strict industry guidelines.

*Expanded bullets shown are NOT TO SCALE.

*All ammunition fired from test barrels for muzzle velocity.

CARTRIDGE	Bare Gelatin	Heavy Cloth
380 T-Series – 95gr. RA380T/Muzzle Velocity (fps)—1000		
9mm +P T-Series – 124gr. RA9124TP/Muzzle Velocity (fps)—1180		
9mm +P+ T-Series – 127gr. RA91TA/Muzzle Velocity (fps)—1250		
9mm T-Series – 147gr. RA9T/Muzzle Velocity (fps)—990		
9mm Bonded – 147gr. RA9B/Muzzle Velocity (fps)—995		
9mm +P Bonded – 124gr. RA9BA/Muzzle Velocity (fps)—1180		
357 SIG Bonded – 125gr. RA357SB/Muzzle Velocity (fps)—1350		
357 SIG T-Series – 125gr. RA357SIGT/Muzzle Velocity (fps)—1350		
40 Cal. T-Series – 180gr. RA40T/Muzzle Velocity (fps)—1025		
40 Cal. Bonded – 180gr. RA40B/Muzzle Velocity (fps)—1025		
40 Cal. S&W T-Series – 165gr. RA40TA/Muzzle Velocity (fps)—1140		
40 Cal. Bonded – 165gr. RA40BA/Muzzle Velocity (fps)—1140		
45 G.A.P. Bonded – 230gr. RA45GB/Muzzle Velocity (fps)—905		
45 Auto T-Series – 230gr. RA45T/Muzzle Velocity (fps)—905		
45 Auto Bonded – 230gr. RA45B/Muzzle Velocity (fps)—905		
45 +P Auto T-Series – 230gr. RA45TP/Muzzle Velocity (fps)—990		

Wallboard	Plywood	Steel	Auto Glass
Penetration : 15" Expansion : 0.36" Retain Wt. : 99 % Retain Wt. : 94 gr.	Penetration : 15.5" Expansion : 0.36" Retain Wt. : 96 % Retain Wt. : 91 gr.	Penetration : 9.3" Expansion : 0.36" Retain Wt. : 98 % Retain Wt. : 93 gr.	Penetration : 4.5" Expansion : NA Retain Wt. : 81 % Retain Wt. : 77 gr.
Penetration : 11.6" Expansion : 0.795" Retain Wt. : 99 % Retain Wt. : 122.5 gr.	Penetration : 13.3" Expansion : 0.742" Retain Wt. : 94 % Retain Wt. : 116.2 gr.	Penetration : 19.5" Expansion : 0.400" Retain Wt. : 100 % Retain Wt. : 124 gr.	Penetration : 11.3" Expansion : 0.505" Retain Wt. : 67 % Retain Wt. : 82.7 gr.
Penetration : 11.5" Expansion : 0.735" Retain Wt. : 100 % Retain Wt. : 127 gr.	Penetration : 12.3" Expansion : 0.750" Retain Wt. : 97 % Retain Wt. : 122.9 gr.	Penetration : 22.7" Expansion : 0.393" Retain Wt. : 100 % Retain Wt. : 127 gr.	Penetration : 9.7" Expansion : 0.519" Retain Wt. : 61 % Retain Wt. : 77.6 gr.
Penetration : 15" Expansion : 0.67" Retain Wt. : 98 % Retain Wt. : 144 gr.	Penetration : 14.8" Expansion : 0.62" Retain Wt. : 100 % Retain Wt. : 147 gr.	Penetration : 17" Expansion : 0.45" Retain Wt. : 100 % Retain Wt. : 147 gr.	Penetration : 10.8" Expansion : 0.52" Retain Wt. : 72 % Retain Wt. : 106 gr.
Penetration : 16.7" Expansion : 0.56" Retain Wt. : 100 % Retain Wt. : 147 gr.	Penetration : 16.5" Expansion : 0.59" Retain Wt. : 100 % Retain Wt. : 147 gr.	Penetration : 19" Expansion : 0.42" Retain Wt. : 100 % Retain Wt. : 147 gr.	Penetration : 12.8" Expansion : 0.55" Retain Wt. : 91.6 % Retain Wt. : 135 gr.
Penetration : 11.9" Expansion : 0.64" Retain Wt. : 100 % Retain Wt. : 124 gr.	Penetration : 15.8" Expansion : 0.57" Retain Wt. : 100 % Retain Wt. : 124 gr.	Penetration : 22" Expansion : 0.42" Retain Wt. : 100 % Retain Wt. : 124 gr.	Penetration : 12.7" Expansion : 0.58" Retain Wt. : 83.7 % Retain Wt. : 104 gr.
Penetration : 14.7" Expansion : 0.62" Retain Wt. : 100 % Retain Wt. : 125 gr.	Penetration : 16" Expansion : 0.6" Retain Wt. : 100 % Retain Wt. : 125 gr.	Penetration : 21.7" Expansion : 0.44" Retain Wt. : 100 % Retain Wt. : 125 gr.	Penetration : 12.8" Expansion : 0.62" Retain Wt. : 85.3 % Retain Wt. : 107 gr.
Penetration : 12.7" Expansion : 0.775" Retain Wt. : 98 % Retain Wt. : 122.5 gr.	Penetration : 11.8" Expansion : 0.770" Retain Wt. : 92 % Retain Wt. : 115.3 gr.	Penetration : 21.5" Expansion : 0.423" Retain Wt. : 100 % Retain Wt. : 125 gr.	Penetration : 11.7" Expansion : 0.448" Retain Wt. : 62 % Retain Wt. : 77.3 gr.
Penetration : 11.8" Expansion : 0.810" Retain Wt. : 99 % Retain Wt. : 177.9 gr.	Penetration : 13.1" Expansion : 0.775" Retain Wt. : 99 % Retain Wt. : 177.7 gr.	Penetration : 22.0" Expansion : 0.451" Retain Wt. : 100 % Retain Wt. : 180 gr.	Penetration : 11.5" Expansion : 0.615" Retain Wt. : 89 % Retain Wt. : 161.2 gr.
Penetration : 13.3" Expansion : 0.689" Retain Wt. : 100 % Retain Wt. : 180 gr.	Penetration : 14.6" Expansion : 0.683" Retain Wt. : 100 % Retain Wt. : 180 gr.	Penetration : 17.3" Expansion : 0.513" Retain Wt. : 100 % Retain Wt. : 180 gr.	Penetration : 14.8" Expansion : 0.588" Retain Wt. : 90 % Retain Wt. : 162.6 gr.
Penetration : 11.4" Expansion : 0.814" Retain Wt. : 99 % Retain Wt. : 164.8 gr.	Penetration : 13" Expansion : 0.825" Retain Wt. : 99 % Retain Wt. : 164.7 gr.	Penetration : 21.3" Expansion : 0.451" Retain Wt. : 100 % Retain Wt. : 165 gr.	Penetration : 12" Expansion : 0.521" Retain Wt. : 75.3 % Retain Wt. : 124.2 gr.
Penetration : 12.5" Expansion : 0.701" Retain Wt. : 100 % Retain Wt. : 165 gr.	Penetration : 14.3" Expansion : 0.693" Retain Wt. : 100 % Retain Wt. : 165 gr.	Penetration : 17.6" Expansion : 0.514" Retain Wt. : 100 % Retain Wt. : 165 gr.	Penetration : 12.4" Expansion : 0.588" Retain Wt. : 88 % Retain Wt. : 145.3 gr.
Penetration : 13.3" Expansion : 0.768" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 16.1" Expansion : 0.725" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 19.1" Expansion : 0.540" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 11.9" Expansion : 0.615" Retain Wt. : 86 % Retain Wt. : 197.4 gr.
Penetration : 14.1" Expansion : 0.828" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 13.2" Expansion : 0.835" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 21.1" Expansion : 0.461" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 13.2" Expansion : 0.611" Retain Wt. : 99 % Retain Wt. : 226.3 gr.
Penetration : 13.3" Expansion : 0.768" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 16.1" Expansion : 0.725" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 19.1" Expansion : 0.540" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 11.9" Expansion : 0.615" Retain Wt. : 86 % Retain Wt. : 197.4 gr.
Penetration : 12.3" Expansion : 1.039" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 12.2" Expansion : 1.010" Retain Wt. : 99 % Retain Wt. : 228.7 gr.	Penetration : 25.2" Expansion : 0.461" Retain Wt. : 100 % Retain Wt. : 230 gr.	Penetration : 11.7" Expansion : 0.645" Retain Wt. : 90 % Retain Wt. : 207.2 gr.

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