



## WARNINGS

This guide is intended to be used as a reference. Each individual handloader must determine what is the best and safest load for their equipment. The loads described in this guide were generated at the ballistics test facilities of Western Powders, Inc. in accordance with SAAMI (Shooting Arms and Ammunition Institute) guidelines. All loads are fired through test barrels and individual results fired through different firearms may vary. The handloader is cautioned to read and follow safe reloading practices such as those outlined in the NRA Guide to Reloading before attempting to reload any cartridge.

## DISCLAIMER

Western Powders, Inc. has developed this guide to provide the handloader with current data for reloading Ramshot powders. This guide is not intended to be a reloading textbook, but rather a list of recommended loads for Ramshot powders. As Western Powders, Inc. has no control over the actual reloading procedures and methods being used, or the condition or choice of firearms and components used, no responsibility for the use of this data is implied or assumed. The buyer/user assumes full responsibility, risk, and liabilities for all injuries (including death), damages, and/or losses to persons or properties resulting from the use / misuse of this product. The ballistics data contained in this guide was obtained at Western Powders' ballistics facilities under strictly controlled conditions and is applicable ONLY for Ramshot powders. It is important to remember that equipment variations, different reloading techniques, as well as component variations will most likely yield slightly different ballistics data. With this in mind, it is imperative that you do not exceed the maximum charge recommendations in this guide and that you always start loading with the minimum powder charges in the loads illustrated.

## POWDER WARNINGS

Smokeless powder is intended to function by burning. Therefore, it must be protected from exposure to flame, sparks, high temperatures and the sun's rays. When ignited, smokeless powder will normally continue to burn (and generate gas pressure) until the powder is entirely consumed. With this in mind:

- NEVER MIX OR SUBSTITUTE powders with other powders;**
- Avoid open flames, combustible agents, and any spark-producing tools when handling powders;
- Store powder in its original container in a cool / dry place;
- Do not keep or use old or salvaged powders;
- Check powder for deterioration on a regular basis. Deteriorated powder is detected by its noxious odor (not to be confused with solvents such as alcohol or ether).
- Pour out only the amount of powder necessary for the application being conducted;
- If you accidentally spill powder, use a broom and dust pan to clean it up. **DO NOT VACUUM** the spilled powder;
- Do not stockpile powder - store and utilize the amount of powder necessary for your current reloading needs;
- Be certain that the powder container is empty prior to discarding.

## COMPONENT WARNINGS

### Primers

- NEVER MIX PRIMERS** of different makes;
- Store primers in their original packaging(s) in a cool, dry place. Exposure to heat causes primer deterioration;
- Do not stockpile primers or store in bulk. Storing primers in these manners can lead to mass detonation if one of the primers ignite;
- Do not decap live or new primers - fire them in the appropriate gun and then decap;
- For best results, use the mildest primer consistent with good ignition;
- Do not force primers. If there is resistance in seating or feeding primers, stop and investigate the cause of the problem;
- Clean your hands before and after handling primers - oil contamination can affect the ignitability of the primer.

## QUALITY CONTROL

Reloading provides an individual with a cost effective means of obtaining ammunition, while at the same time allowing for custom load assemblage. You, the individual handloader, are responsible for producing the ammunition that you will later shoot. The caution and diligence you put into your reloading process can be ultimately rewarding or disastrous depending upon the quality of your work.

- Common sense and care must be practiced during all phases;
- Follow load recommendations exactly. **DO NOT SUBSTITUTE** components for those listed.
- ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN;**
- Designate a work area to used only for reloading and keep that area clean and orderly;
- Label components and reloads for quick and easy identification;
- Develop a reloading routine and follow it;
- Understand what you are doing and why it must be done in a specific manner; Never reload when you are tired or distracted;
- Wear safety glasses when reloading;
- DO NOT** smoke, eat, or drink in your reloading area or while you are reloading;
- Keep your powder, reloading equipment and firearms secure from children;
- Obey all laws and regulations regarding purchasing, quantity, and storage of powder(s).

### Primer Abbreviations:

SP	Small Pistol	SR	Small Rifle
SPM	Small Pistol Magnum	SRM	Small Rifle Magnum
LP	Large Pistol	LR	Large Rifle
LPM	Large Pistol Magnum	LRM	Large Rifle Magnum

### Bullet Abbreviations:

BB	Broad Base	(M)	Moly Coated
BK	Blitz King	MK	Match King
BS	Ballistic Siver Tip	PART	Partition
B-TIP	Ballistic Tip	PRO-H	Pro-Hunter
CT	Combined Technologies	RN	Round Nose
DEWC	Double End Wadcutter	RNFP	Round Nose Flat Point
FMC	Full Metal Case	RNSWC	Round Nose Semi Wadcutter
FMJ	Full Metal Jacket	SMP	Semi Point
FN	Flat Nose	SPSX	Soft Point Super Explosive
FP	Flat Point	SBT	Spitzer Boat Tail
FS	Fail Safe	SST	Super Shock Tipped
GC	Gas Check	SWC	Semi Wadcutter
GK	Game King	TC	Truncated Cone
HB	Hollow Base	TCBB	Truncated Cone Beveled Base
HC	Hollow Core	VAR	Varminator
HP	Hollow Point	WBFPGC	Wide Base Flat Point Gas Check
HPBT	Hollow Point Boat Tail	WFNGC	Wide Flat Nose Gas Check
HSP	Hollow Soft Point	WFNPB	Wide Flat Nose Plane Base
Intlk	Interlock	WLNGC	Wide Long Nose Gas Check
JHC	Jacketed Hollow Cavity	WNGC	Wide Nose Gas Check
JHP	Jacketed Hollow Point	X	X Bullet
JRN	Jacketed Round Nose	XBT	X Boat Tail
JSP	Jacketed Soft Point	XFB	X Flat Base
JSWC	Jacketed Semi Wadcutter	XPB	X Pistol Bullet
LFNPB	Long Flat Nose Plane Base	XTP	Extreme Terminal Performance

### Company Abbreviations:

BAR	Barnes	NOS	Nosler
BRY	Berry's	OT	Oregon Trail
BUR	Burgess	RSH	Rushmore
CP	Cast Performance	SIE	Sierra
HDY	Hornady	TS	True Shot
LC	Laser Cast	WC	West Coast
MTG	Montana Gold	WIN	Winchester



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# RAMSHOT POWDERS



## HANDGUN

## HANDGUN

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>380 Auto (ACP)</b>									
Barrel: 3.75", Twist 1-16" Primer: WIN WSP									
ZIP	90	HDY	HP XTP	2.7	800	3.4	980	18,500	0.965
ZIP	115	SIE	JHP	2.4	720	2.9	840	19,300	0.980
True Blue	90	HDY	HP XTP	3.7	800	4.5	960	18,700	0.965
True Blue	115	NOS	JHP	3.3	725	3.8	830	18,600	0.980

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>9mm Luger</b>									
Barrel: 4", Twist 1-10" Primer: FED 100									
ZIP	115	LC	RN (L)	4.3	1,062	4.8	1,180	31,280	1.128
ZIP	124	LC	RN (L)	3.9	959	4.3	1,065	32,500	1.128
ZIP	147	LC	FP BB (L)	3.3	842	3.7	935	34,500	1.140
Silhouette	115	NOS	JHP	5.3	1,055	6.0	1,155	32,100	1.169
Silhouette	124	HDY	HP XTP	4.9	1,005	5.6	1,105	33,300	1.169
Silhouette	147	HDY	HP XTP	4.1	870	4.5	930	33,300	1.169
True Blue	115	LC	RN (L)	5.8	1,068	6.4	1,187	31,940	1.128
True Blue	124	LC	RN (L)	5.6	1,019	6.2	1,132	32,250	1.122
True Blue	147	LC	FP BB (L)	4.5	872	5.0	969	32,270	1.135
True Blue	115	SIE	FMJ	5.8	1,067	6.4	1,185	32,500	1.110
True Blue	125	SIE	FMJ	5.4	1,004	6.0	1,115	32,500	1.130
True Blue	147	HDY	HP XTP	4.5	833	5.0	926	34,000	1.125

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.38 Special</b>									
Barrel: 7.75", Twist 1-18.75" Primer: FED 100									
ZIP	125	BUR	FP (L)	4.1	801	4.5	890	15,900	1.440
ZIP	158	BUR	RN FP (L)	3.4	684	3.8	760	16,000	1.430
ZIP	110	HDY	HP XTP	4.9	918	5.4	1,020	15,480	1.435
ZIP	158	SIE	JSP	3.4	680	3.8	756	15,660	1.440
True Blue	125	BUR	FP (L)	5.6	999	6.2	1,110	16,450	1.440
True Blue	148	RSH	DEWC (L)	3.6	751	4.0	834	14,760	1.240
True Blue	158	LC	SWC (L)	4.6	833	5.1	925	15,760	1.465
True Blue	110	HDY	HP XTP	5.7	928	6.3	1,031	15,690	1.435
True Blue	125	SIE	JHC	5.5	918	6.1	1,020	16,100	1.435
True Blue	140	SIE	JHC	5.0	851	5.5	945	16,300	1.445
True Blue	158	NOS	JHP	4.7	842	5.2	935	16,700	1.450

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.38 Super</b>									
Barrel: 5", Twist 1-16" Primer: WIN WSP									
ZIP	115	LC	RN (L)	5.3	1,177	5.9	1,308	30,980	1.265
ZIP	125	BUR	RN (L)	5.4	1,136	6.0	1,262	34,930	1.280
ZIP	115	NOS	JHP	5.1	1,139	5.7	1,266	33,430	1.280
ZIP	124	BRY	FP	5.0	1,100	5.6	1,222	34,170	1.280
ZIP	147	HDY	HP XTP	4.1	923	4.6	1,025	32,680	1.245
Silhouette	115	NOS	JHP	6.6	1,190	7.8	1,340	34,300	1.280
Silhouette	124	HDY	FMJ	6.2	1,150	7.3	1,270	34,300	1.280
Silhouette	130	SIE	FMJ	6.3	1,120	7.3	1,250	34,600	1.280
Silhouette	147	HDY	HP XTP	5.5	990	6.3	1,110	34,600	1.280
True Blue	115	LC	RN (L)	7.2	1,272	8.0	1,413	32,950	1.270
True Blue	125	BUR	RN (L)	6.8	1,150	7.6	1,278	31,160	1.280
True Blue	145	LC	RN (L)	5.9	1,039	6.6	1,154	31,630	1.280
True Blue	115	NOS	JHP	7.4	1,228	8.2	1,364	34,000	1.230
True Blue	125	SIE	HP	6.8	1,164	7.6	1,293	35,910	1.215
True Blue	147	MTG	FMJ	6.5	1,055	7.2	1,172	35,820	1.280

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.357 SIG</b>									
Barrel: 4", Twist 1-16" Primer: WIN WSP									
ZIP	115	NOS	JHP	6.1	1,189	6.8	1,321	38,890	1.140
ZIP	125	SIE	JHP	5.8	1,098	6.4	1,220	37,180	1.140
ZIP	147	HDY	HP XTP	4.7	950	5.2	1,056	38,320	1.140
Silhouette	115	NOS	JHP	8.4	1,343	8.8	1,389	35,380	1.140
Silhouette	125	SIE	JHP	7.9	1,261	8.3	1,320	36,760	1.140
Silhouette	147	HDY	HP XTP	6.5	1,082	6.9	1,128	35,500	1.140
True Blue	115	NOS	JHP	8.2	1,217	9.1	1,352	35,370	1.140
True Blue	125	SIE	JHP	7.9	1,164	8.8	1,293	36,850	1.140
True Blue	147	HDY	HP XTP	6.8	1,022	7.6	1,135	36,720	1.140

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.357 Magnum</b>									
Barrel: 6", Twist 1-18.75" Primer: FED 200									
ZIP	158	BUR	FP (L)	6.3	1,176	7.0	1,307	30,560	1.590
ZIP	180	CP	WFNGC(L)	5.6	1,042	6.2	1,158	32,670	1.565
ZIP	110	HDY	HP XTP	7.7	1,373	8.6	1,525	32,080	1.578
ZIP	125	SIE	JHP	7.1	1,276	7.9	1,418	30,680	1.578
ZIP	158	NOS	JHP	6.0	1,105	6.7	1,228	31,680	1.580
True Blue	158	CP	SWC	8.8	1,176	9.8	1,307	32,210	1.605
True Blue	180	CP	WFNGC(L)	7.6	1,046	8.4	1,162	33,000	1.550
True Blue	110	HDY	HP XTP	9.5	1,273	11.5	1,541	33,160	1.570
True Blue	125	HDY	HP XTP	9.0	1,200	11.0	1,472	33,500	1.580
True Blue	140	SIE	JHC	8.0	1,075	10.0	1,340	33,580	1.575
Enforcer	125	HDY	HP XTP	16.2	1,500	18.0	1,667	32,570	1.580
Enforcer	140	SIE	JHC	14.4	1,311	16.0	1,457	34,200	1.580

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>40 S&amp;W</b>									
Barrel: 4", Twist 1-16" Primer: WIN WSP									
ZIP	140	LC	TC BB (L)	5.8	1,113	6.4	1,237	33,830	1.120
ZIP	155	BUR	RN (L)	5.1	1,005	5.7	1,117	31,720	1.120
ZIP	180	LC	TC (L)	4.1	857	4.5	952	31,720	1.120
ZIP	125	WC	PLF	5.1	1,022	5.7	1,136	30,450	1.120
ZIP	155	HDY	HP XTP	5.4	1,008	6.0	1,120	32,500	1.130
ZIP	165	SIE	JHP	5.1	925	5.7	1,028	29,070	1.124
Silhouette	150	SIE	JHP	7.0	1,110	7.5	1,190	32,800	1.135
Silhouette	155	HDY	HP XTP	6.9	1,100	7.4	1,170	33,500	1.135
Silhouette	170	WIN	FMJ	6.2	1,020	6.7	1,085	33,500	1.135
Silhouette	180	SIE	JHP	5.5	920	6.2	1,020	33,200	1.135
Silhouette	200	HDY	HP XTP	4.8	800	5.6	920	32,600	1.135
True Blue	140	LC	TCBB (L)	7.7	1,125	8.5	1,250	33,400	1.130
True Blue	155	LC	RNSWC(L)	6.5	963	7.2	1,070	33,500	1.095
True Blue	170	LC	SWC (L)	5.9	878	6.6	975	32,500	1.130
True Blue	180	BUR	RN FP	6.0	908	6.7	1,009	34,200	1.130
True Blue	135	NOS	JHP	8.3	1,149	9.2	1,277	32,200	1.120
True Blue	150	NOS	JHP	7.3	1,052	8.1	1,169	32,500	1.125
True Blue	165	SIE	JHP	6.9	1,014	7.7	1,127	34,500	1.135
True Blue	180	NOS	JHP	6.3	935	7.0	1,039	32,390	1.135
True Blue	200	HDY	HP XTP	5.4	802	6.0	891	32,210	1.135

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>10mm Auto</b>									
Barrel: 5", Twist 1-16" Primer: WIN WLP									
Silhouette	170	LC	SWC (L)	7.4	1,175	8.2	1,220	34,100	1.260
Silhouette	200	LC	TC (L)	5.8	980	6.7	1,000	34,250	1.260
Silhouette	150	SIE	JHP	8.7	1,290	9.8	1,395	35,500	1.260
Silhouette	155	HDY	HP XTP	8.8	1,255	9.7	1,355	35,400	1.260
Silhouette	170	WIN	JHP	7.9	1,165	9.1	1,285	34,600	1.260
Silhouette	180	SIE	JHP	7.5	1,110	8.4	1,210	34,400	1.260
Silhouette	190	SIE	FPJ	7.4	1,100	8.3	1,185	34,700	1.260
Silhouette	200	HDY	HP XTP	6.9	1,025	7.8	1,115	35,700	1.260

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>41 Magnum</b>									
Barrel: 10", Twist 1-18.75" Primer: FED 155									
True Blue	170	SIE	JHC	10.0	1,150	12.5	1,390	34,200	1.580
True Blue	210	HDY	HP XTP	9.0	1,050	11.0	1,200	32,000	1.580
Enforcer	170	SIE	JHC	18.0	1,340	20.0	1,500	33,500	1.580
Enforcer	210	HDY	HP XTP	16.0	1,200	18.0	1,350	34,500	1.580

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>44 Special</b>									
Barrel: 8.150", Twist 1-20" Primer: WIN WLP									
ZIP	180	SIE	JHC	5.8	850	6.8	970	14,200	1.480
ZIP	200	NOS	JHP	5.0	760	6.0	870	13,500	1.470
ZIP	240	HDY	HP XTP	4.0	640	5.0	760	13,000	1.480
True Blue	180	SIE	JHC	8.0	900	9.4	1,		

# RAMSHOT POWDERS



## HANDGUN

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.45 Auto (ACP)</b>									
Barrel: 5", Twist 1-16" Primer: FED 150									
ZIP	155	LC	SWC (L)	6.1	1,013	6.8	1,126	18,340	1.235
ZIP	180	LC	SWC (L)	5.6	910	6.2	1,011	18,590	1.225
ZIP	200	BUR	RN FP (L)	5.4	864	6.0	960	17,900	1.240
ZIP	250	BUR	RN FP (L)	4.3	703	4.8	781	18,050	1.245
ZIP	185	SIE	FPJ	6.0	950	6.7	1,055	19,100	1.235
ZIP	200	HDY	HP XTP	5.4	846	6.0	940	18,900	1.230
ZIP	230	SIE	JHP	4.2	666	4.7	740	19,200	1.240
Silhouette	155	LC	SWC (L)	8.2	1,035	9.0	1,135	19,700	1.275
Silhouette	180	LC	SWC (L)	7.5	940	8.3	1,055	20,000	1.275
Silhouette	200	LC	SWC (L)	6.6	850	7.6	970	19,700	1.275
Silhouette	230	BUR	RN (L)	6.6	845	7.3	915	19,600	1.275
Silhouette	185	SIE	FPJ	8.0	940	8.9	1,045	19,900	1.275
Silhouette	200	SIE	FPJ	7.0	855	7.7	965	19,500	1.275
Silhouette	230	NOS	FMJ	6.1	760	7.0	870	20,000	1.275
True Blue	155	LC	SWC (L)	9.1	1,069	10.1	1,188	19,560	1.260
True Blue	185	RSH	SWC (L)	6.9	864	7.7	960	18,360	1.235
True Blue	230	RSH	RN (L)	6.0	767	6.7	852	19,310	1.250
True Blue	185	NOS	JHP	8.3	944	9.2	1,049	18,630	1.215
True Blue	200	HDY	HP XTP	7.4	857	8.2	952	17,120	1.220
True Blue	230	BRY	RN	6.1	774	6.8	860	18,860	1.256

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.45 Colt</b>									
Barrel: 7.26", Twist 1-16" Primer: FED 150									
ZIP	185	SIE	JHP	6.6	922	7.8	1,085	12,950	1.540
ZIP	200	SIE	FPJ	6.1	833	7.2	980	13,200	1.580
ZIP	250	NOS	JHP	5.5	751	6.5	884	13,100	1.595
ZIP	300	HDY	HP XTP	4.7	652	5.5	767	12,850	1.655
True Blue	185	SIE	JHP	8.9	942	10.5	1,108	13,200	1.540
True Blue	200	SIE	FPJ	8.5	888	10.0	1,045	12,800	1.580
True Blue	250	NOS	JHP	7.7	803	9.0	945	13,400	1.595
True Blue	300	HDY	HP XTP	6.4	689	7.5	811	13,250	1.655

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.454 Casull</b>									
Barrel: 7.5", Twist 1-24" Primer: FED 210									
True Blue	265	CP	WFNGC(L)	18.5	1,409	20.5	1,565	54,000	1.670
True Blue	335	CP	WLNGC(L)	16.2	1,256	18.0	1,395	53,400	1.735
True Blue	240	SIE	JHC	19.8	1,496	22.0	1,662	53,200	1.765
True Blue	300	HDY	XTP	16.7	1,278	18.5	1,420	53,570	1.760
Enforcer	335	CP	WLNGC(L)	23.4	1,377	26.0	1,530	53,350	1.760
Enforcer	370	CP	WLNGC(L)	21.6	1,258	24.0	1,398	48,200	1.770
Enforcer	395	CP	WLNGC(L)	19.8	1,193	22.0	1,325	48,300	1.770
Enforcer	240	SIE	JHC	28.8	1,656	32.0	1,840	43,250	1.735
Enforcer	260	NOS	PART	27.0	1,575	30.0	1,750	53,500	1.735
Enforcer	300	NOS	PART	25.2	1,463	28.0	1,625	51,400	1.750

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.460 S&amp;W</b>									
Barrel: 8.37", Twist 1-20" Primer: FED 210									
Enforcer	240	SIE	JHC	31.0	1,750	39.0	2,150	58,000	2.160
Enforcer	300	HDY	HP XTP	29.0	1,650	34.0	1,890	56,000	2.160

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.480 Ruger</b>									
Barrel: 7.5", Twist 1-18" Primer: WIN WLP									
Enforcer	355	TS	WNFPGC	21.9	1,299	24.3	1,443	40,140	1.615
Enforcer	370	CP	LFNPB	21.3	1,284	23.7	1,427	42,420	1.660
Enforcer	375	CP	LFNGC	19.7	1,220	21.9	1,356	41,640	1.610
Enforcer	325	HDY	HP XTP	22.9	1,372	25.4	1,524	43,290	1.615

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>500 S&amp;W</b>									
Barrel: 8.37", Twist 1-18" Primer: WIN WLR									
Enforcer	440	CP	WFNGC(L)	29.7	1,386	33.0	1,540	47,800	2.025
Enforcer	350	SIE	JHP	36.0	1,557	40.0	1,730	48,500	2.050
Enforcer	325	BAR	XPB	38.3	1,654	42.5	1,838	47,700	2.285
Enforcer	375	BAR	XPB	32.4	1,491	36.0	1,657	49,800	2.285

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.17 Remington</b>									
Barrel: 24", Twist 1-10" Primer: FED 205									
X-Terminator	20	HDY	V-MAX	19.0	3,750	21.5	4,250	59,500	2.150
X-Terminator	25	HDY	HP	18.5	3,550	21.0	3,850	60,000	2.150
TAC	20	HDY	V-MAX	20.0	3,650	23.0	4,250	59,500	2.150
TAC	25	HDY	HP	19.5	3,450	22.0	3,850	60,000	2.150

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.204 Ruger</b>									
Barrel: 24", Twist 1-12" Primer: WIN WSR									
X-Terminator	32	SIE	BK	24.8	3,607	27.5	4,008	56,300	2.250
X-Terminator	40	HDY	V-MAX	23.0	3,241	25.5	3,601	53,000	2.250
TAC	32	SIE	BK	26.0	3,700	28.5	4,100	58,100	2.250
TAC	40	HDY	V-MAX	24.0	3,300	27.0	3,680	56,000	2.250

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.20 Tactical</b>									
Barrel: 24", Twist 1-12" Primer: WIN WSR									
X-Terminator	32	SIE	BK	20.0	3,250	23.5	3,700	54,000	2.165
X-Terminator	40	HDY	V-MAX	18.0	2,900	21.5	3,350	54,500	2.165
TAC	32	SIE	BK	22.0	3,250	25.0	3,700	54,000	2.165
TAC	40	HDY	V-MAX	20.0	2,950	23.0	3,350	54,500	2.165

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.22 Hornet</b>									
Barrel: 20", Twist 1-14" Primer: FED 205									
Enforcer	40	BAR	VLC	8.1	2,320	9.0	2,578	42,350	1.720
Enforcer	40	HDY	V-MAX	8.1	2,251	9.0	2,501	37,740	1.720
Enforcer	40	NOS	B-TIP	8.1	2,298	9.0	2,553	42,100	1.720
Enforcer	50	HDY	SPSX	7.7	2,138	8.5	2,375	45,500	1.720

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.222 Remington</b>									
Barrel: 24", Twist 1-14" Primer: WIN WSR									
X-Terminator	40	BAR	VLC	22.5	3,105	25.0	3,450	48,500	2.095
X-Terminator	40	HDY	V-MAX	22.8	3,129	25.3	3,477	45,500	2.110
X-Terminator	40	NOS	B-TIP	22.5	3,098	25.0	3,442	44,770	2.110
X-Terminator	50	BAR	VLC	21.1	2,849	23.4	3,166	45,700	2.130
X-Terminator	50	NOS	B-TIP	21.2	2,866	23.5	3,184	48,170	2.130
X-Terminator	52	SIE	HPBT	21.2	2,820	23.5	3,133	48,790	2.130
X-Terminator	55	HDY	V-MAX(M)	20.1	2,652	22.3	2,947	45,290	2.130
X-Terminator	55	NOS	B-TIP	20.3	2,741	22.6	3,046	49,390	2.130
TAC	40	HDY	V-MAX	22.8	3,119	25.3	3,465	49,550	2.095
TAC	45	BAR	XBT	22.1	2,985	24.6	3,317	49,830	2.130
TAC	50	BAR	VLC	21.2	2,806	23.6	3,118	48,520	2.130
TAC	50	NOS	B-TIP	21.1	2,819	23.4	3,132	48,820	2.130
TAC	53	BAR	X	21.3	2,743	23.7	3,048	48,660	2.130
TAC	55	SIE	BK	21.1	2,742	23.4	3,047	48,120	2.135

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.223 Remington</b>									
Barrel: 24", Twist 1-12" Primer: FED 205									
X-Terminator	40	HDY	V-MAX	24.8	3,340	27.5	3,711	52,260	2.240
X-Terminator	40	NOS	B-TIP	25.2	3,389	28.0	3,765	52,990	2.275
X-Terminator	50	BAR	VLC	23.9	3,089	26.5	3,432	52,970	2.255
X-Terminator	50	NOS	B-TIP	22.6	2,995	25.1	3,328	53,000	2.250
X-Terminator	52	HDY	HPBT	23.0	3,030	25.5	3,133	50,820	2.260
X-Terminator	55	SIE	BK	22.8	2,981	25.3	3,312	52,490	2.260
X-Terminator	60	NOS	PART	23.0	2,870	25.5	3,189	54,450	2.260
X-Terminator	63	SIE	SMP	22.1	2,757	24.6	3,063	52,070	2.260
TAC	40	BAR	VLC	25.5	3,348	28.3	3,720	52,270	2.185
TAC	50	BAR	XLC	23.6	3,001	26.2	3,334	51,080	2.210
TAC	50	HDY	V-MAX	24.0	3,059	26.7	3,399	51,870	2.260
TAC	50	NOS	B-TIP	24.8	3,104	27.5	3,449	53,990	2.250
TAC	52	SIE	HPBT	23.6	3,025	26.2	3,361	52,220	2.200
TAC	53	BAR	X	23.8	2,933	26.4	3,259	51,100	2.250
TAC	55	NOS	B-TIP	22.7	2,869	25.2	3,188	50,980	2.260
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## RAMSHOT



## POWDERS

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.223 Remington (1 in 7 or 9 twist)</b>									
Barrel: 24", Twist 1-7" or 1-9" Primer: FED 205									
TAC	68	HDY	HPBT	23.0	2,714	25.5	3,015	52,580	2.260
TAC	69	SIE	HPBT	22.7	2,704	25.2	3,004	51,780	2.260
TAC	75	HDY	HPBT	21.2	2,511	23.6	2,790	50,760	2.260
TAC	77	NOS	HPBT	21.2	2,515	23.5	2,794	52,500	2.260
TAC	80	SIE	HPBT	20.7	2,444	23.0	2,715	53,500	2.260

**.22-250 Remington**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.22-250 Remington</b>									
Barrel: 24", Twist 1-14" Primer: WIN WLR									
TAC	40	HDY	V-MAX(M)	33.9	3,753	38.5	4,190	63,200	2.350
TAC	40	NOS	B-TIP	33.8	3,722	38.9	4,186	62,200	2.350
TAC	50	HDY	V-MAX	31.8	3,391	35.3	3,763	60,060	2.350
TAC	55	HDY	V-MAX	29.7	3,223	33.0	3,581	61,950	2.350
TAC	55	NOS	B-TIP	29.5	3,237	32.8	3,597	59,670	2.350
TAC	55	SIE	HPBT	30.4	3,290	33.8	3,655	62,340	2.350
BIG GAME	50	BAR	X	36.6	3,449	40.7	3,832	60,160	2.350
BIG GAME	50	BAR	VLC	36.5	3,422	40.5	3,802	58,820	2.350
BIG GAME	50	NOS	B-TIP	36.4	3,457	40.4	3,841	61,250	2.350
BIG GAME	52	HDY	HPBT	36.0	3,400	40.0	3,778	62,770	2.350
BIG GAME	52	SIE	HPBT	36.5	3,396	40.6	3,773	60,870	2.350
BIG GAME	53	BAR	VLC	35.9	3,365	39.9	3,739	60,710	2.350
BIG GAME	53	SIE	HPBT	36.5	3,361	40.5	3,734	60,350	2.350
BIG GAME	55	HDY	FMJ	35.6	3,323	39.5	3,692	61,360	2.350
BIG GAME	55	HDY	SPSX	35.8	3,323	39.8	3,692	62,450	2.350
BIG GAME	55	NOS	B-TIP	35.6	3,326	39.5	3,695	62,860	2.350
BIG GAME	60	HDY	SP	33.7	3,128	37.4	3,475	60,330	2.350

**.220 Swift**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.220 Swift</b>									
Barrel: 24", Twist 1-14" Primer: FED 210									
BIG GAME	50	HDY	V-MAX	37.0	3,500	41.0	3,800	60,000	2.680
BIG GAME	55	SIE	BK	36.0	3,450	40.0	3,600	60,000	2.680
BIG GAME	60	HDY	V-MAX	34.0	3,200	38.0	3,450	61,000	2.680
HUNTER	50	NOS	B-TIP	39.4	3,493	43.8	3,881	59,120	2.680
HUNTER	52	SIE	HPBT	39.8	3,394	44.2	3,771	56,990	2.600
HUNTER	53	BAR	X	39.0	3,407	43.3	3,785	62,720	2.680
HUNTER	55	HDY	V-MAX(M)	40.1	3,404	44.6	3,782	62,480	2.680
HUNTER	55	NOS	B-TIP	40.0	3,432	44.4	3,813	61,380	2.680

**.223 Winchester Super Short Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.223 Winchester Super Short Magnum</b>									
Barrel: 24", Twist 1-12" Primer: WIN WLR									
BIG GAME	50	NOS	B-TIP	41.4	3,538	46.0	3,931	63,320	2.195
BIG GAME	53	BAR	X	36.5	3,275	40.5	3,639	61,190	2.200
BIG GAME	55	HDY	SP	38.0	3,333	42.2	3,703	62,500	2.200
BIG GAME	55	SIE	BK	39.8	3,382	44.2	3,758	61,060	2.200
HUNTER	50	BAR	VAR HP	43.7	3,516	48.6	3,907	62,200	2.170
HUNTER	55	NOS	B-TIP	43.3	3,407	48.1	3,786	60,860	2.200
HUNTER	60	SIE	HP	42.8	3,349	47.5	3,721	64,500	2.200
HUNTER	60	HDY	V-MAX	42.8	3,309	47.6	3,677	62,310	2.200
HUNTER	63	SIE	SMP	39.8	3,163	44.2	3,514	59,990	2.200

**.243 Winchester**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.243 Winchester</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLR									
BIG GAME	65	HDY	V-MAX	41.1	3,185	45.7	3,539	52,950	2.600
BIG GAME	90	SIE	FMJ	36.7	2,766	40.8	3,073	57,500	2.600
BIG GAME	95	NOS	B-TIP	35.9	2,669	39.9	2,966	56,980	2.590
BIG GAME	100	SIE	SPBT	33.9	2,561	37.7	2,845	57,350	2.680
BIG GAME	105	HDY	A-MAX	34.2	2,508	38.0	2,787	55,380	2.600
HUNTER	72	BAR	HP VAR	45.1	3,198	50.1	3,553	58,000	2.605
HUNTER	80	NOS	B-TIP	42.9	3,038	47.7	3,376	57,950	2.710
HUNTER	87	HDY	HPBT	41.0	2,921	45.5	3,246	57,920	2.710
HUNTER	90	SIE	GK	40.1	2,851	44.6	3,168	57,250	2.710
HUNTER	95	NOS	CT BS	40.1	2,779	44.5	3,088	58,610	2.710
HUNTER	100	NOS	PART	38.8	2,668	43.1	2,964	57,960	2.710
HUNTER	107	SIE	HPBT	38.7	2,654	43.0	2,949	58,650	2.710
HUNTER	115	BAR	RN	36.7	2,478	40.8	2,753	58,590	2.710

**6mm Remington**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>6mm Remington</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
BIG GAME	55	NOS	B-TIP	44.8	3,539	49.8	3,932	60,060	2.795
BIG GAME	70	NOS	B-TIP	42.3	3,263	47.0	3,625	62,500	2.810
BIG GAME	75	HDY	V-MAX	40.7	3,078	45.2	3,420	61,210	2.825
BIG GAME	80	SIE	SPBT	41.4	3,078	46.0	3,420	62,720	2.825
BIG GAME	87	HDY	HPBT	39.2	2,952	43.5	3,280	62,500	2.825
BIG GAME	100	NOS	PART	37.4	2,696	41.5	2,996	61,780	2.790
HUNTER	55	NOS	B-TIP	46.2	3,317	51.3	3,685	49,170	2.805
HUNTER	60	SIE	HP	46.6	3,306	51.8	3,673	54,090	2.720
HUNTER	70	NOS	B-TIP	46.4	3,203	51.5	3,559	57,910	2.810
HUNTER	75	HDY	V-MAX	45.1	3,180	50.1	3,533	61,370	2.775
HUNTER	80	NOS	B-TIP	42.3	3,011	47.0	3,346	57,390	2.825
HUNTER	85	BAR	XBT	43.3	2,975	48.1	3,306	62,970	2.825
MAGNUM	87	HDY	HPBT	48.0	2,862	53.3	3,180	59,500	2.810
HUNTER	95	WIN	CT BS	42.2	2,847	46.9	3,163	62,230	2.825
HUNTER	100	SIE	SP	40.4	2,745	44.9	3,050	62,370	2.825
MAGNUM	100	HDY	SPBT Intlk	47.7	2,756	53.0	3,062	60,610	2.800
MAGNUM	100	NOS	PART	47.7	2,754	53.0	3,060	61,450	2.825

**243 Winchester Super Short Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>243 Winchester Super Short Magnum</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLR									
HUNTER	75	HDY	V-MAX	45.0	3,250	50.0	3,550	62,200	2.300
HUNTER	85	SIE	HPBT	43.0	3,040	48.0	3,350	64,100	2.300
HUNTER	100	SIE	SPBT	41.0	2,830	46.0	3,150	63,900	2.310
MAGNUM	85	SIE	HPBT	49.0	2,950	54.0	3,280	62,500	2.295
MAGNUM	100	SIE	SPBT	47.0	2,850	52.0	3,150	62,500	2.310

**6mm PPC**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>6mm PPC</b>									
Barrel: 24", Twist 1-14" Primer: FED 205									
X-Terminator	75	SIE	HP	24.8	2,700	27.5	3,000	57,100	2.090
X-Terminator	80	NOS	B-TIP	24.0	2,650	27.0	2,950	57,500	2.110
X-Terminator	100	SIE	SPBT	22.5	2,450	25.0	2,700	57,200	2.170
X-Terminator	107	SIE	HPBT	22.0	2,350	24.5	2,600	57,700	2.193
TAC	75	SIE	HP	26.0	2,650	29.5	3,000	58,100	2.090
TAC	80	NOS	B-TIP	25.5	2,600	29.0	2,950	58,500	2.110
TAC	100	SIE	SPBT	24.3	2,475	27.0	2,740	57,900	2.170
TAC	107	SIE	HPBT	23.0	2,350	26.0	2,650	56,700	2.193

**.257 Roberts**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.257 Roberts</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
BIG GAME	75	SIE	HP	42.5	3,140	47.5	3,450	52,500	2.700
BIG GAME	100	NOS	B-TIP	37.5	2,750	42.0	3,020	52,900	2.775
BIG GAME	117	SIE	SPBT	35.5	2,530	39.5	2,770	52,100	2.775
HUNTER	75	SIE	HP	44.0	3,000	49.0	3,320	50,300	2.700
HUNTER	100	NOS	B-TIP	40.0	2,690	45.0	3,000	52,200	2.775
HUNTER	117	SIE	SPBT	39.0	2,560	43.5	2,840	53,500	2.775

**.257 Roberts+P**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.257 Roberts+P</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
HUNTER	75	SIE	HP	47.0	3,150	52.0	3,550	56,800	2.700
HUNTER	100	NOS	B-TIP	42.0	2,800	46.5	3,090	57,300	2.775
HUNTER	117	SIE	SPBT	40.0	2,620	44.5	2,890	57,100	2.775
MAGNUM	100	NOS	B-TIP	50.0	2,780	53.5	3,050	57,200	2.775
MAGNUM	117	SIE	SPBT	47.0	2,630	51.5	2,900	56,500	2.775

# RAMSHOT



# POWDERS

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.25 Winchester Super Short Magnum</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLR									
BIG GAME	90	SIE	HPBT	44.0	3,170	48.5	3,485	64,100	2.252
BIG GAME	100	NOS	B-TIP	41.0	2,950	46.0	3,280	64,500	2.320
BIG GAME	120	SIE	HPBT	39.0	2,675	43.5	2,980	63,410	2.275
HUNTER	90	SIE	HPBT	46.0	3,150	51.5	3,500	63,320	2.252
HUNTER	100	NOS	B-TIP	44.0	2,980	49.5	3,300	63,110	2.320
HUNTER	120	SIE	HPBT	42.0	2,730	47.0	3,040	64,750	2.275

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.260 Remington</b>									
Barrel: 24", Twist 1-9" Primer: WIN WLR									
BIG GAME	95	HDY	V-MAX	41.4	2,882	46.0	3,202	52,110	2.750
BIG GAME	100	NOS	B-TIP	40.5	2,840	45.0	3,156	57,740	2.800
BIG GAME	107	SIE	HPBT	40.5	2,782	45.0	3,091	56,840	2.800
BIG GAME	120	BAR	X	36.2	2,469	40.2	2,743	57,570	2.800
BIG GAME	129	HDY	SP-Intlk	36.9	2,458	41.0	2,731	57,860	2.800
BIG GAME	140	BAR	VLC	34.0	2,255	37.8	2,505	54,590	2.800
HUNTER	107	SIE	BTHP	44.6	2,777	49.6	3,086	54,580	2.800
HUNTER	120	NOS	B-TIP	41.2	2,581	45.8	2,868	57,080	2.795
HUNTER	129	HDY	SP-Intlk	39.2	2,422	43.5	2,691	53,420	2.800
HUNTER	140	BAR	X	36.7	2,272	40.8	2,524	53,640	2.800
HUNTER	140	HDY	SP-Intlk	39.2	2,354	43.6	2,615	54,790	2.795
HUNTER	160	SIE	SMP	36.5	2,205	40.5	2,450	52,480	2.615

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>6.5x55 Swedish Mauser</b>									
Barrel: 24", Twist 1-9" Primer: WIN WLR									
HUNTER	107	SIE	HPBT	43.2	2,747	48.0	3,052	54,130	2.945
HUNTER	120	NOS	B-TIP	40.1	2,481	44.5	2,757	50,630	2.930
HUNTER	130	BAR	X	37.8	2,331	42.0	2,590	53,500	2.975
HUNTER	140	BAR	XLC	38.7	2,300	43.0	2,555	51,850	2.980
HUNTER	140	SIE	HPBT	39.2	2,406	43.0	2,673	54,920	2.990
HUNTER	142	SIE	HPBT	38.4	2,345	42.7	2,605	52,830	3.000
MAGNUM	125	NOS	PART	47.1	2,539	52.3	2,821	55,040	2.925
MAGNUM	129	HDY	SP-Intlk	47.2	2,500	52.4	2,778	54,590	2.925
MAGNUM	140	HDY	SP-Intlk	46.4	2,441	50.6	2,712	54,490	2.990
MAGNUM	140	NOS	PART	46.4	2,500	49.8	2,778	55,010	2.915
MAGNUM	140	SIE	SPBT	46.4	2,455	51.6	2,728	55,090	2.950

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>6.5-284 Winchester</b>									
Barrel: 24", Twist 1-9" Primer: WIN WLR									
HUNTER	100	NOS	B-TIP	51.3	3,085	57.0	3,428	60,740	2.965
HUNTER	120	SIE	HPBT	48.6	2,858	54.0	3,176	61,880	2.995
HUNTER	129	HDY	SP-Intlk	45.2	2,666	50.2	2,962	59,220	2.945
HUNTER	140	NOS	PART	43.7	2,570	48.5	2,855	62,140	2.995
MAGNUM	120	SIE	HPBT	57.6	2,980	64.0	3,245	62,200	2.987
MAGNUM	140	SIE	SPBT	55.8	2,800	62.0	3,070	64,000	3.060
MAGNUM	142	SIE	HPBT	53.0	2,650	59.0	2,900	63,500	3.200

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>6.8 SPC</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
X-Terminator	90	SIE	HP	30.0	2,680	32.5	2,970	55,400	2.260
X-Terminator	110	HDY	V-MAX	26.0	2,450	29.5	2,650	54,000	2.260
X-Terminator	130	SIE	SPBT	25.0	2,200	27.5	2,430	56,200	2.260

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.270 Winchester</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLR									
HUNTER	110	SIE	SP	51.5	2,764	60.3	3,375	59,900	3.103
HUNTER	140	BAR	XBT	49.5	2,653	56.5	3,039	62,000	3.200
HUNTER	150	NOS	B-TIP	47.7	2,525	53.0	2,806	55,750	3.310
HUNTER	150	SIE	SPBT	50.0	2,599	55.3	2,914	61,110	3.275
HUNTER	160	NOS	PART	48.6	2,518	53.0	2,820	61,330	3.275
MAGNUM	130	BAR	X	57.8	2,682	64.2	3,042	58,780	3.310
MAGNUM	130	SIE	GK	57.7	2,793	64.1	3,103	60,680	3.290
MAGNUM	140	NOS	B-TIP	57.0	2,662	63.3	2,958	58,610	3.300
MAGNUM	150	BAR	X	55.1	2,520	61.2	2,800	59,990	3.225
MAGNUM	150	HDY	SP	56.4	2,572	62.7	2,858	60,880	3.170
MAGNUM	150	NOS	PART	56.3	2,588	62.6	2,875	61,310	3.280

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.270 Winchester Short Magnum</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLRM									
HUNTER	90	SIE	HP	64.8	3,353	72.0	3,726	61,590	2.800
HUNTER	110	HDY	V-MAX	60.5	3,118	67.2	3,464	61,250	2.800
HUNTER	130	BAR	XBT	56.9	2,811	63.2	3,123	57,930	2.850
HUNTER	140	NOS	B-TIP	54.6	2,700	60.7	3,000	57,680	2.830
HUNTER	150	SIE	SPBT	53.9	2,642	59.9	2,935	59,390	2.845
MAGNUM	110	HDY	V-MAX	68.2	3,045	75.8	3,383	57,190	2.740
MAGNUM	120	BAR	X	67.9	2,984	75.4	3,316	63,020	2.795
MAGNUM	130	HDY	SP-Intlk	68.5	2,994	76.1	3,327	64,990	2.790
MAGNUM	130	NOS	PART	67.4	2,918	74.9	3,242	63,210	2.800
MAGNUM	130	SIE	SPBT	68.0	2,977	75.5	3,308	62,250	2.835
MAGNUM	135	NOS	PART	67.5	2,920	75.0	3,244	63,190	2.785
MAGNUM	140	HDY	SP-Intlk	66.2	2,815	73.5	3,128	62,690	2.800
MAGNUM	140	NOS	B-TIP	66.6	2,877	74.0	3,197	63,860	2.815
MAGNUM	150	BAR	XFB	62.8	2,707	69.8	3,008	62,790	2.850
MAGNUM	150	HDY	SP-Intlk	64.7	2,726	71.9	3,029	63,770	2.773
MAGNUM	150	NOS	PART	64.9	2,793	72.1	3,103	63,330	2.835
MAGNUM	160	NOS	PART	64.0	2,688	71.1	2,987	62,250	2.800

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>7mm-08 Remington</b>									
Barrel: 24", Twist 1-9" Primer: FED 210									
BIG GAME	100	HDY	HP	45.7	2,875	50.9	3,194	50,320	2.710
BIG GAME	120	BAR	XBT	44.2	2,756	49.1	3,062	57,850	2.835
BIG GAME	139	HDY	SP	43.2	2,558	48.0	2,842	56,560	2.800
BIG GAME	140	BAR	XBT	41.9	2,528	46.5	2,809	56,550	2.800
BIG GAME	150	NOS	PART	40.1	2,409	44.5	2,677	57,600	2.740
BIG GAME	160	BAR	X	37.3	2,219	41.4	2,465	56,830	2.800
BIG GAME	160	SIE	HPBT	39.2	2,321	43.5	2,579	57,860	2.780
BIG GAME	175	HDY	SP	38.3	2,185	42.5	2,428	57,790	2.750
HUNTER	160	SIE	HPBT	44.0	2,550	48.0	2,750	58,500	2.800
HUNTER	175	SIE	SPBT	42.0	2,450	46.0	2,650	58,500	2.800

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>280 Remington</b>									
Barrel: 24", Twist 1-9" Primer: WIN WLR									
HUNTER	130	SIE	HPBT	49.3	2,699	54.8	2,999	55,460	3.315
HUNTER	139	HDY	SP	49.7	2,649	55.2	2,943	57,490	3.285
HUNTER	140	BAR	XBT	48.2	2,596	53.5	2,884	56,540	3.330
HUNTER	150	NOS	PART	49.0	2,560	54.5	2,850	57,500	3.330
HUNTER	160	BAR	X	45.5	2,383	50.5	2,648	56,080	3.310
HUNTER	175	SIE	SPBT	44.6	2,319	49.5	2,577	55,320	3.330
MAGNUM	160	SIE	SPBT	52.6	2,457	58.4	2,730	54,530	3.255
MAGNUM	162	HDY	SPBT	54.3	2,517	60.3	2,797	58,590	3.255
MAGNUM	175	HDY	SP	53.0	2,395	58.9	2,661	59,640	3.245
MAGNUM	175	NOS	PART	50.9	2,353	56.5	2,614	58,780	3.285
MAGNUM	175	SIE	SPBT	53.0	2,408	58.9	2,676	56,820	3.260

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>7mm Remington Magnum</b>									
Barrel: 24", Twist 1-9" Primer: FED 215									
HUNTER	120	HDY	SP	60.4	2,970	67.1	3,300	58,290	3.200
HUNTER	140	NOS	B-TIP	55.8	2,787	64.0	3,144	60,300	3.240
HUNTER	160	BAR	X	54.0	2,525	60.0	2,806	55,450	3.280
HUNTER	160	SIE	SPBT	53.7	2,641	59.7	2,934	58,590	3.290
MAGNUM	120	NOS	B-TIP	71.1	3,021	79.0	3,357	56,430	3.285
MAGNUM	140	BAR	XBT	68.4	2,823	76.0	3,137	58,330	3.235
MAGNUM	150	NOS	CT BS	67.5	2,773	75.0	3,081	59,050	3.265
MAGNUM	160	BAR	X	64.1	2,652	71.2	2,9		

## RAMSHOT



## POWDERS

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>7mm Winchester Short Magnum</b>									
Barrel: 24", Twist 1-9" Primer: WIN WLRM									
HUNTER	100	HDY	HP	64.3	3,255	71.4	3,617	58,670	2.790
HUNTER	130	BAR	XBT	56.7	2,850	63.0	3,150	63,000	2.860
HUNTER	140	NOS	B-TIP	58.1	2,808	64.5	3,120	58,410	2.860
HUNTER	150	NOS	PART	56.0	2,712	62.2	3,013	59,290	2.840
HUNTER	162	HDY	SPBT	54.3	2,600	60.3	2,889	58,900	2.860
HUNTER	175	NOS	PART	52.7	2,498	58.6	2,776	60,760	2.855
MAGNUM	130	SIE	HPBT	69.4	2,923	77.1	3,248	55,420	2.845
MAGNUM	139	HDY	SST	69.0	2,921	76.7	3,245	58,960	2.850
MAGNUM	140	BAR	XBT	70.1	2,890	77.9	3,211	59,440	2.850
MAGNUM	150	NOS	CT BS	68.8	2,847	76.4	3,163	62,160	2.845
MAGNUM	160	SIE	SPBT	66.5	2,776	73.9	3,084	64,010	2.840
MAGNUM	162	HDY	SPBT	67.5	2,777	75.0	3,085	63,710	2.860
MAGNUM	175	NOS	PART	65.0	2,633	72.2	2,925	63,380	2.850

**7mm Shooting Times Western**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-9" Primer: FED 215									
MAGNUM	130	SIE	HPBT(M)	78.5	3,138	87.2	3,487	59,990	3.550
MAGNUM	139	HDY	SST-Intlk	77.4	3,092	86.0	3,435	61,600	3.590
MAGNUM	140	NOS	B-TIP	75.6	2,972	84.0	3,302	61,660	3.540
MAGNUM	150	BAR	X	74.7	2,927	83.0	3,252	62,530	3.550
MAGNUM	160	NOS	PART	72.9	2,854	81.0	3,171	61,070	3.600

**.30-30 Winchester**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-12" Primer: WIN WLR									
TAC	170	TS	RNFPGC(L)	25.1	1,859	27.9	2,065	29,460	2.520
TAC	125	SIE	HPFN	32.2	2,363	35.8	2,625	39,760	2.410
TAC	150	HDY	RN	29.7	2,125	33.0	2,361	39,610	2.520
TAC	170	SIE	HPFN	27.5	1,962	30.5	2,180	37,010	2.515
BIG GAME	170	TS	RNFPGC(L)	28.6	1,799	31.8	1,999	22,600	2.520
BIG GAME	125	SIE	HPFN	34.9	2,179	38.8	2,421	26,780	2.435
BIG GAME	150	SIE	HPFN	33.5	2,070	37.2	2,300	29,420	2.530

**.308 Winchester**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: FED 210									
TAC	125	NOS	B-TIP	44.4	2,840	49.3	3,177	56,110	2.780
TAC	150	HDY	SP	41.9	2,598	46.5	2,887	57,500	2.720
TAC	150	SIE	HPBT	42.3	2,613	47.0	2,903	58,900	2.800
TAC	155	SIE	Palma	41.7	2,593	46.3	2,881	58,440	2.810
TAC	165	HDY	SP	39.9	2,417	44.3	2,685	56,370	2.750
TAC	165	NOS	B-TIP	40.1	2,436	44.5	2,707	57,080	2.800
TAC	165	SIE	HPBT	40.1	2,449	44.5	2,721	57,100	2.770
BIG GAME	168	SIE	SPBT	46.0	2,640	49.0	2,790	57,000	2.800
BIG GAME	180	SIE	SPBT	44.0	2,500	47.0	2,650	58,000	2.800

**30-06 Springfield**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: WIN WLR									
BIG GAME	130	HDY	SP	54.3	2,829	60.3	3,143	56,610	3.200
BIG GAME	150	NOS	B-TIP	51.8	2,639	57.5	2,932	54,600	3.240
BIG GAME	150	NOS	PART	52.2	2,651	58.0	2,945	54,700	3.235
BIG GAME	165	NOS	B-TIP	49.5	2,507	55.0	2,786	56,710	3.215
BIG GAME	165	SIE	SPBT	50.4	2,552	56.0	2,836	57,230	3.155
BIG GAME	168	SIE	HPBT(M)	49.7	2,525	55.2	2,806	56,750	3.260
BIG GAME	178	HDY	A-MAX	45.9	2,361	51.0	2,623	55,580	3.235
HUNTER	150	HDY	SST-Intlk	55.2	2,616	62.5	2,950	57,500	3.210
HUNTER	165	SIE	HPBT	54.9	2,572	61.0	2,858	55,670	3.230
HUNTER	180	BAR	X	52.2	2,405	58.0	2,672	55,600	3.255
HUNTER	180	HDY	SPBT-Intlk	54.0	2,492	60.0	2,769	57,230	3.320
HUNTER	200	BAR	X	48.8	2,266	54.2	2,518	57,190	3.240
HUNTER	220	SIE	HPBT	47.3	2,280	52.5	2,500	57,000	3.240

**300 Winchester Short Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: WIN WLRM									
BIG GAME	150	HDY	SST-Intlk	58.6	2,827	65.1	3,141	59,540	2.830
BIG GAME	165	BAR	X	57.2	2,679	63.5	2,977	61,500	2.825
BIG GAME	165	NOS	B-TIP	56.8	2,662	63.1	2,958	57,890	2.830
BIG GAME	168	SIE	HPBT	57.3	2,692	63.7	2,991	60,470	2.800
BIG GAME	180	HDY	SPBT-Intlk	55.0	2,553	61.1	2,837	58,700	2.825
BIG GAME	180	SIE	SPBT	56.2	2,604	62.4	2,893	61,000	2.860
BIG GAME	200	BAR	X	51.5	2,335	57.2	2,594	58,870	2.815
HUNTER	150	BAR	X	63.0	2,882	70.0	3,202	64,100	2.850
HUNTER	150	SIE	SPBT	64.8	2,952	72.0	3,280	63,500	2.821
HUNTER	165	NOS	PART	62.1	2,810	69.0	3,122	63,900	2.860
HUNTER	165	SIE	SPBT	63.0	2,855	70.0	3,172	64,500	2.835
HUNTER	180	BAR	X	57.6	2,664	64.0	2,960	64,000	2.860
HUNTER	180	HDY	SPBT-Intlk	59.0	2,707	65.5	3,008	64,200	2.825

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>300 Remington Short Action Ultra Magnum</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
HUNTER	150	NOS	B-TIP	61.0	2,840	67.0	3,100	61,200	2.820
HUNTER	168	SIE	HPBT	58.0	2,700	64.5	3,000	63,500	2.825
HUNTER	180	NOS	B-TIP	56.3	2,620	62.5	2,890	63,800	2.820
HUNTER	200	SIE	HPBT	54.0	2,500	60.0	2,650	64,100	2.820

**300 Winchester Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: FED 215									
HUNTER	125	SIE	SPT	71.1	3,155	79.0	3,505	60,160	3.265
HUNTER	150	NOS	B-TIP	66.3	2,937	73.7	3,263	61,450	3.340
HUNTER	165	SIE	SPBT	67.3	2,820	74.8	3,133	60,920	3.340
HUNTER	180	SIE	HPBT	65.3	2,700	72.5	3,000	61,500	3.340
MAGNUM	150	HDY	SST-Intlk	77.7	2,919	86.3	3,243	58,900	3.340
MAGNUM	150	SIE	SPT	77.4	2,884	86.0	3,204	56,450	3.335
MAGNUM	165	BAR	X	77.0	2,834	85.5	3,149	62,550	3.340
MAGNUM	165	NOS	PART	77.2	2,846	85.8	3,162	62,100	3.340
MAGNUM	165	SIE	HPBT	77.4	2,834	86.0	3,149	60,560	3.340
MAGNUM	168	NOS	CT BS	77.7	2,792	86.3	3,102	57,440	3.340
MAGNUM	175	SIE	HPBT	76.5	2,782	85.0	3,091	60,310	3.340
MAGNUM	180	BAR	XLC	77.2	2,674	85.8	2,971	56,480	3.340
MAGNUM	180	HDY	SPBT	77.4	2,718	86.0	3,020	61,160	3.340
MAGNUM	200	NOS	PART	73.5	2,578	81.7	2,864	63,290	3.335
MAGNUM	220	SIE	MK	69.3	2,430	77.0	2,700	62,080	3.340

**300 Weatherby Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: FED 215									
MAGNUM	155	SIE	Palma	81.5	2,948	90.5	3,275	58,220	3.495
MAGNUM	165	NOS	PART	80.1	2,912	89.0	3,235	62,940	3.555
MAGNUM	180	BAR	X	77.9	2,759	86.5	3,066	60,410	3.560
MAGNUM	180	NOS	B-TIP	79.0	2,750	88.0	3,080	61,200	3.560
MAGNUM	200	SIE	HPBT	78.0	2,650	86.5	3,000	62,500	3.560
MAGNUM	220	SIE	HPBT	75.0	2,550	83.0	2,840	62,500	3.530

**300 Remington Ultra Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 24", Twist 1-10" Primer: FED 215									
MAGNUM	150	BAR	X	92.1	3,108	102.3	3,453	62,630	3.600
MAGNUM	150	HDY	SST-Intlk	91.4	3,076	101.5	3,418	59,580	3.585
MAGNUM	150	SIE	SPBT	91.8	3,094	102.0	3,438	61,120	3.500
MAGNUM	165	NOS	PART	90.0	2,967	100.0	3,297	59,880	3.600
MAGNUM	168	HDY	A-max	90.3	2,991	100.3	3,323	63,710	3.590
MAGNUM	168	SIE	HPBT	92.5	3,120	102.8	3,467	62,180	3.535
MAGNUM	180	BAR	X	85.3	2,835	94.8	3,150	62,300	3.600
MAGNUM	180	HDY	SPBT-Intlk	87.8	2,903	97.5	3,226	62,480	3.565
MAGNUM	180	NOS	PART	86.4	2,894	96.0	3,216	62,400	3.575
MAGNUM	200	SIE	SPBT	85.7	2,732	95.2	3,035	62,910	3.600
MAGNUM	220	SIE	HPBT	81.9	2,583	91.0	2,870	62,940	3.600

**30-378 Weatherby Magnum**

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
Barrel: 26", Twist 1-10" Primer: FED 215									
MAGNUM	150	HDY	SST-Intlk	100.9	3,350	112.1	3,722	59,760	3.645
MAGNUM	165	HDY	SST-Intlk	98.5	3,224	109.4	3,582	60,650	3.645
MAGNUM	165	NOS	CT FS	97.2	3,182	108.0	3,535	60,020	3.645
MAGNUM	168	SIE	HPBT(M)	98.8	3,186	109.8	3,540	59,840	3.645
MAGNUM	180	BAR	X	95.0	3,038	105.5	3,375	57,660	3.620
MAGNUM	180	NOS	PART	95.8	3,068	106.4	3,409	58,880	3.600
MAGNUM	200	SIE	HPBT	90.9	2,914	101.0	3,238	57,760	3.645
MAGNUM	220	NOS	PART	88.5	2,779	98.3	3,088	59,060	3.645
MAGNUM	250	BAR	RNSP	83.0					

# RAMSHOT



# POWDERS

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>8x57 Mauser</b>									
Barrel: 24", Twist 1-10" Primer: FED 210									
TAC	150	HDY	SP	46.0	2,610	51.5	2,890	54,100	2.975
TAC	175	SIE	SPT	45.0	2,475	49.0	2,675	53,500	3.100
TAC	200	SIE	HPBT	41.0	2,275	45.5	2,500	54,200	3.115
BIG GAME	150	HDY	SP	51.0	2,690	56.0	2,910	53,800	2.975
BIG GAME	175	SIE	SPT	49.0	2,500	54.0	2,750	54,200	3.100
BIG GAME	200	NOS	SPT	45.0	2,330	50.0	2,550	54,000	3.115

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>8mm Remington Magnum</b>									
Barrel: 24", Twist 1-10" Primer: FED 215									
MAGNUM	200	NOS	SPT	82.0	2,700	91.0	3,050	63,000	3.600
MAGNUM	220	SIE	SPBT	81.0	2,680	89.0	2,950	64,800	3.600

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.325 Winchester Short Magnum</b>									
Barrel: 24", Twist 1-10" Primer: WIN WLRM									
BIG GAME	180	NOS	B-TIP	58.0	2,750	64.0	2,990	62,400	2.916
BIG GAME	220	HDY	SPBT	53.0	2,450	59.0	2,670	62,500	2.876
HUNTER	180	NOS	B-TIP	62.0	2,740	70.0	3,030	62,000	2.916
HUNTER	220	HDY	SPBT	60.0	2,590	67.0	2,780	63,800	2.876

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.338 Winchester Magnum</b>									
Barrel: 24", Twist 1-10" Primer: FED 215									
HUNTER	215	SIE	SPBT	65.0	2,580	72.0	2,850	60,500	3.278
HUNTER	250	SIE	HPBT	61.0	2,420	67.0	2,640	61,000	3.340

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.338 Remington Ultra Magnum</b>									
Barrel: 24", Twist 1-10" Primer: FED 215									
MAGNUM	215	SIE	SPBT	94.0	2,920	104.0	3,200	63,400	3.580
MAGNUM	250	SIE	HPBT	86.0	2,600	96.0	2,970	62,500	3.580
MAGNUM	300	SIE	HPBT	80.0	2,400	89.0	2,700	62,700	3.580

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.338 Lapua</b>									
Barrel: 26", Twist 1-10" Primer: WIN WLRM									
MAGNUM	250	SIE	HPBT	90.0	2,740	97.0	2,980	66,900	3.680
MAGNUM	300	SIE	HPBT	83.0	2,500	90.0	2,700	67,000	3.680

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.35 Remington</b>									
Barrel: 24", Twist 1-9.5" Primer: FED 210									
X-Terminator	200	SIE	RNSP	33.0	1,940	37.0	2,150	37,700	2.475
TAC	200	SIE	RNSP	36.0	1,960	40.0	2,150	38,500	2.475

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.375 H&amp;H Magnum</b>									
Barrel: 24", Twist 1-12" Primer: FED 215									
TAC	200	SIE	HPFN	65.7	2,766	73.0	3,073	54,060	3.420
TAC	210	BAR	XFB	67.1	2,750	74.5	3,055	56,950	3.475
TAC	220	HDY	FP-Intlk	63.9	2,660	71.0	2,955	58,740	3.315
TAC	235	BAR	XFB	67.1	2,635	74.5	2,928	59,250	3.595
TAC	250	BAR	XFB	61.4	2,445	68.2	2,717	57,930	3.560
TAC	300	CT	FS	57.9	2,212	64.3	2,458	59,810	3.560
BIG GAME	250	SIE	SPBT	71.5	2,561	79.4	2,845	54,970	3.600
BIG GAME	270	BAR	XFB	71.4	2,430	79.3	2,700	57,099	3.580
BIG GAME	270	HDY	SP-Intlk	69.1	2,432	76.8	2,702	53,080	3.570
BIG GAME	300	BAR	XFB	68.0	2,318	75.6	2,575	57,800	3.575
BIG GAME	300	SIE	SPBT	67.5	2,333	75.0	2,592	57,870	3.600

## RIFLE

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.375 Remington Ultra Magnum</b>									
Barrel: 24", Twist 1-12" Primer: WIN WLRM									
HUNTER	250	SIE	SPBT	89.0	2,800	99.0	3,070	62,900	3.575
HUNTER	300	SIE	SPBT	83.0	2,580	92.0	2,820	62,800	3.585
MAGNUM	300	SIE	SPBT	98.0	2,690	106.0	2,850	58,000	3.585

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.416 Remington Magnum</b>									
Barrel: 24", Twist 1-14" Primer: WIN WLRM									
TAC	400	HDY	RN	68.0	2,100	76.0	2,400	60,700	3.685
BIG GAME	400	HDY	RN	75.0	2,250	83.0	2,400	61,700	3.685

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.444 Marlin</b>									
Barrel: 24", Twist 1-38" Primer: WIN WLR									
X-Terminator	200	NOS	JHP	50.2	2,182	58.0	2,424	31,360	2.525
X-Terminator	240	HDY	CL-SIL	49.5	2,034	55.0	2,260	36,250	2.530
X-Terminator	240	SIE	JHC	49.5	2,048	55.0	2,275	36,180	2.530
X-Terminator	240	NOS	JHP	49.5	2,060	55.0	2,289	37,060	2.520
X-Terminator	300	HDY	XTP	45.0	1,811	50.0	2,012	39,750	2.530
TAC	240	HDY	CL-SIL	50.4	2,038	56.0	2,264	36,630	2.535
TAC	240	SIE	JHC	50.4	2,062	56.0	2,291	37,610	2.530
TAC	300	HDY	XTP	45.9	1,810	51.0	2,011	39,990	2.530

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>45-70 Government Standard Rifles</b>									
Barrel: 24", Twist 1-20" Primer: WIN WLR									
X-Terminator	300	SIE	HPFN	42.0	1,740	46.0	1,900	27,800	2.550
X-Terminator	350	HDY	RN	40.0	1,600	44.0	1,740	27,520	2.550
X-Terminator	500	HDY	RN	30.0	1,150	35.0	1,320	27,500	2.550

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>45-70 Government Ruger No. 1 and 3</b>									
Barrel: 24", Twist 1-20" Primer: WIN WLR									
X-Terminator	300	SIE	HPFN	56.0	2,100	62.0	2,250	38,550	2.550
X-Terminator	350	HDY	RN	49.0	1,750	54.0	1,900	39,100	2.550
X-Terminator	500	HDY	RN	40.0	1,450	44.0	1,550	38,500	2.550

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
<b>.458 Winchester</b>									
Barrel: 24", Twist 1-14" Primer: FED 215									
X-Terminator	350	HDY	RN	72.0	2,250	80.0	2,550	56,000	2.950
X-Terminator	500	HDY	RN	65.0	1,900	72.0	2,150	57,500	3.310



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