

LOAD GUIDE FOR RIFLE AND HANDGUN



Accurate®

INCLUDES:

- *The most up-to-date and comprehensive 223 Rem data available*
- *New data for: 30 AR, 30 T/C, and 6mmx45*



EDITION 3.5



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 Accurate powders. This guide is not intended to be a reloading textbook, but rather a list of recommended loads for Accurate 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 Accurate 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:

1. **NEVER MIX OR SUBSTITUTE powders with other powders;**
2. Avoid open flames, combustible agents, and any spark-producing tools when handling powders;
3. Store powder in its original container in a cool / dry place;
4. Do not keep or use old or salvaged powders;
5. 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).
6. Pour out only the amount of powder necessary for the application being conducted;
7. If you accidentally spill powder, use a broom and dust pan to clean it up. DO NOT VACUUM the spilled powder;
8. Do not stockpile powder - store and utilize the amount of powder necessary for your current reloading needs;
9. Be certain that the powder container is empty prior to discarding.

COMPONENT WARNINGS

Primers

1. NEVER MIX PRIMER BRANDS from different manufacturers;
2. Store primers in their original packaging(s) in a cool, dry place. Exposure to heat causes primer deterioration;
3. Do not stockpile primers or store in bulk. Storing primers in this manner can lead to mass detonation if a primer ignites;
4. Do not de-cap live or new primers - fire them in the appropriate gun and then de-cap;
5. For best results, use the mildest primer consistent with good ignition;
6. Do not force primers. If there is resistance in seating or feeding primers, stop and investigate the cause of the problem;
7. 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.

1. Common sense and care must be practiced during all phases;
2. Follow load recommendations exactly.
3. ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN;
4. Designate a work area to be used only for reloading and keep that area clean and orderly;
5. Label components and reloads for quick and easy identification;
6. Develop a reloading routine and follow it;
7. Understand what you are doing and why it must be done in a specific manner; Never reload when you are tired or distracted;
8. Wear safety glasses when reloading;
9. DO NOT smoke, eat, or drink in your reloading area or while you are reloading;
10. Keep your powder, reloading equipment and firearms secure from children;
11. Obey all laws and regulations regarding purchasing, quantity, and storage of powder(s).
12. When the case fill is less than 50% extreme care should be taken to avoid the possibility of double charging. Always check every round.

NOTE:

**THIS DATA SUPERSEDES
ALL PREVIOUS ACCURATE
LOAD DATA.**

Always use the latest load data

For loads not listed in this guide and the latest updates,
visit our website at:

www.accuratepowder.com



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COMPANY ABBREVIATIONS

AK	Alaska Bullet Company
BAR	Barnes
BRGR	Berger
BRY	Berry's
CP	Cast Performance
FED	Federal
GS	GS Custom Bullets
HDY	Hornady

HWK	Hawk
LC	Laser Cast
LYM	Lyman
MCB	Montana Cast Bullets
MTB	Mount Baldy
MTG	Montana Gold
NOS	Nosler
OT	Oregon Trail
RAN	Rainier

REM	Remington
RSH	Rushmore
SIE	Sierra
SF	SinterFire
SPR	Speer
TS	True Shot
WC	West Coast
WDL	Woodleigh
WIN	Winchester

PRIMER ABBREVIATIONS

SP	Small Pistol
SPM	Small Pistol Magnum

LP	Large Pistol
LPM	Large Pistol Magnum
SR	Small Rifle

SRM	Small Rifle Magnum
LR	Large Rifle
LRM	Large Rifle Magnum

BULLET ABBREVIATIONS

A-BOND	Accubond
AF	A Frame
BB	Broad Base
BK	Blitz King
BND	Bonded
BND-S	Banded Solid
BS	Ballistic Silver Tip
B-TIP	Ballistic Tip
BTSP	Boat Tail Spire Point
BTT	Boat Tail Target
DBB	Double Bevel Base
CT	Combined Technologies
DEWC	Double End Wadcutter
FBHP-V	Flat Base Hollow Point Varmint
FB	Flat Base
FMC	Full Metal Case
FMJ	Full Metal Jacket
FN	Flat Nose
FP	Flat Point
FPJ	Full Profile Jacket
FS	Fail Safe
GC	Gas Check
GD	Gold Dot
GDHP	Gold Dot Hollow Point
GK	Game King
GS	Golden Sabre
HB	Hollow Base
HP	Hollow Point
HPBT	Hollow Point Boat Tail
HPBT-CC	Hollow Point Boat Tail Custom competition
HSP	Hollow Soft Point
INTK	Interlock

JHC	Jacketed Hollow Cavity
JHP	Jacketed Hollow Point
JRN	Jacketed Round Nose
JSP	Jacketed Soft Point
JSWC	Jacketed Semi Wadcutter
KSPB	Keith Style Piston Bullet
LFNGC	Long Flat Nose Gas Check
LFNPB	Long Flat Nose Plane Base
(L)	Lead
LTB	Length Tolerant Bullet
(M)	Moly Coated
MK	Match King
Match-V	Match Varmint
NTP	Narrow Taper Point
MRX	Maximum Range X Bullet
PART	Partition
PLF	Plated Lead Free
PRO-H	Pro-Hunter
RHFP	Reduced Hazard Flat Point
RNDS	Round Nose Double Strike
RN	Round Nose
RNFP	Round Nose Flat Point
RNSWC	Round Nose Semi Wadcutter
RS	Radiused Shoulder
SBT	Spitzer Boat Tail
SGG	Single Grease Groove
SLD	Solid
SMP	Semi Point
SP	Spire Point
SPH	Soft Point Hornet
SPHJ	Soft Point Heavy Jacket
SPSX	Spire Point Super Explosive

SS	Semispitzer
SSP	Single Shot Pistol
SPT	Spitzer
SPT-V	Spitzer Varmint
SST	Super Shock Tipped
SWC	Semi Wadcutter
TAC-XP	Tactical Bullets M/LE
TC	Truncated Cone
TCBB	Truncated Cone Beveled Base
TMJ-FN	Total Metal Jacket - Flat Nose
T-TSX	Tipped TSX
TSX	Triple Shock
TSX-FB	Triple Shock Flat Base
VAR	Varminator
VG	Varmint Grenade
VNE	Varmint Nightmare Extreme
VLD	Very Low Drag
WBFPGC	Wide Base Flat Point Gas Check
WC	Wadcutter
WFNGC	Wide Flat Nose Gas Check
WFNPB	Wide Flat Nose Plane Base
WFPGC	Wide Flat Point Gas Check
WLCPP	Weldcore Protected Point
WLNGC	Wide Long Nose Gas Check
WNFPGC	Wide Nose Flat Point Gas Check
WNGC	Wide Nose Gas Check
WTP	Wide Taper Point
X	X Bullet
XBT	X Boat Tail
XFB	X Flat Base
XPB	X Pistol Bullet
XTP	Extreme Terminal Performance

Western Powders would like to thank the following companies for their continued support in our efforts to provide this information:

- | | | | |
|-----------------------------------|------------------------|-------------------------------|---------------------|
| • Barnes Bullets, Inc. | • Claybuster Wads | • Nosler | • Sierra Bullets |
| • Berger Bullets | • Federal Cartridge | • Oregon Trail Bullet Company | • Swift Bullets |
| • Berry's Manufacturing | • Hornady | • Rainier Bullets | • Winchester |
| • Cast Performance Bullet Company | • Montana Cast Bullets | • Remington | • Woodleigh Bullets |
| | • Montana Gold | | |

SPECIAL NOTE ON CARTRIDGE OVERALL LENGTH "COL"

It is important to note that the SAAMI "COL" values are for the firearms and ammunition manufacturers industry and must be seen as a guideline only.

The individual reloader is free to adjust this dimension to suit their particular firearm-component-weapon combination.

This parameter is determined by various dimensions such as 1) magazine length (space), 2) freebore-lead dimensions of the barrel, 3) ogive or profile of the projectile and 4) position of cannellure or crimp groove.

- | | |
|---|--|
| • Always begin loading at the minimum "Start Load". | • Watch for signs of excessive pressure. |
| • Increase in 2% increments towards the Maximum Load. | • Never exceed the Maximum Load. |



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)
5.7x28 FN									
Barrel: 5" ■ Twist: 1-9" ■ Primer: WIN WSR or WSP ■ Bullet Diameter .224"									
No.5	35	HDY	V-MAX FB	6.0	1,955	6.7	2,100	45,500	1.491
No.5	40	SIE	SPH	5.8	1,850	6.5	1,975	45,200	1.456
No.5	45	SIE	SPH	5.7	1,740	6.4	1,875	45,400	1.490
No.7	35	HDY	V-MAX FB	7.4	2,041	8.2	2,197	45,200	1.491
No.7	40	SIE	SPH	7.0	1,896	7.7	2,044	45,100	1.456
No.7	45	SIE	SPH	6.7	1,782	7.4	1,913	45,400	1.490
Longer Bullets									
No.5	40	HDY	V-MAX	5.1	1,657	5.7	1,875	48,000	1.580
No.5	45	SIE	SPT	5.0	1,558	5.6	1,746	47,800	1.580
No.7	40	HDY	V-MAX	6.1	1,679	6.8	1,880	48,200	1.580
No.7	45	SIE	SPT	5.9	1,568	6.5	1,782	48,300	1.580

Special notes on the 5.7x28FN

- 1) Extremely sensitive caliber. Adhere closely to indicated loads and COL guidelines
- 2) Begin at the MINIMUM start load and increase only in increments of 0.1 grain
- 3) Use of Small Pistol primers will result in slightly lower performance.
- 4) Velocities with the 10" barrel will be approximately 18% higher.

32 Auto (ACP)

Barrel: 4" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .312"									
No.2	71	SIE	FMJ	2.0	572	2.2	650	19,300	0.955
No.2	85	HDY	XTP	1.6	612	1.8	695	18,800	0.940
No.5	71	SIE	FMJ	2.9	619	3.2	703	19,700	0.955
No.5	85	HDY	XTP	2.2	615	2.4	699	19,100	0.940

327 Federal Magnum

Barrel: 5" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .312"									
No.5	71	SIE	FMJ	8.7	1,616	9.7	1,796	41,800	1.486
No.5	85	HDY	XTP	7.7	1,448	8.5	1,609	43,460	1.443
No.5	90	SIE	JHC	7.4	1,380	8.2	1,533	42,200	1.500
No.5	100	HDY	HP XTP	7.1	1,318	7.9	1,464	43,690	1.500
No.7	71	SIE	FMJ	10.4	1,658	11.5	1,842	42,980	1.486
No.7	85	HDY	XTP	9.4	1,503	10.4	1,670	44,020	1.443
No.7	90	SIE	JHC	9.0	1,431	10.0	1,590	41,320	1.500
No.7	100	HDY	HP XTP	8.5	1,355	9.4	1,505	43,080	1.440
No.9	90	SIE	JHC	13.5	1,559	15.0	1,732	41,570	1.500
No.9	100	HDY	HP XTP	11.7	1,417	13.0	1,574	36,950	1.440
Lead Bullets									
No.5	78	LC	RN	8.4	1,585	9.3	1,761	43,510	1.454
No.5	90	HDY	SWC	7.4	1,400	8.2	1,555	43,480	1.487
No.5	115	LC	FP	6.6	1,209	7.3	1,343	44,140	1.500
No.7	78	LC	RN	10.1	1,616	11.2	1,796	41,040	1.454
No.7	90	HDY	SWC	9.0	1,445	10.0	1,605	44,160	1.487
No.7	115	LC	FP	7.9	1,276	8.8	1,418	44,570	1.500
No.9	90	HDY	SWC	13.1	1,544	14.5	1,715	37,210	1.487
No.9	115	LC	FP	10.8	1,355	12.0	1,506	38,760	1.500

380 Auto (ACP)

Barrel: 3.75" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .355"									
No.2	90	HDY	XTP	3.3	818	3.7	930	17,000	0.960
No.2	95	SIE	FMJ	3.3	822	3.7	934	14,600	0.945
No.5	90	HDY	XTP	4.3	810	4.8	920	16,700	0.960
No.5	95	SIE	FMJ	4.3	784	4.8	891	14,000	0.945
Copper Bullets									
No. 2	80	BAR	XPB	2.6	807	2.9	897	20,910	0.970
No. 5	80	BAR	XPB	3.6	807	4.0	897	20,130	0.970

CAUTION!

Reducing the overall cartridge length by seating the bullet deeper in the case may dramatically increase the pressure on some handgun cases. Always use caution when changing bullet seating depth.

9mm Luger

Barrel: 4" ■ Twist: 1-10" ■ Primer: WIN WSP ■ Bullet Diameter .355"									
Jacketed Bullets									
Nitro 100 NF	90	HDY	HP	3.2	1,051	4.1	1,194	34,123	1.070
Nitro 100 NF	115	NOS	JHP	2.8	864	3.4	972	34,700	1.077
Nitro 100 NF	115	SIE	FMJ	2.7	872	3.3	986	33,912	1.100
Nitro 100 NF	124	HDY	XTP-HP	2.1	767	2.8	869	33,835	1.060
Nitro 100 NF	124	REM	GS	2.9	841	3.3	941	34,221	1.145
Nitro 100 NF	124	SPR	GD	2.9	751	3.1	854	34,168	1.105
Nitro 100 NF	125	SIE	JHP	2.4	777	2.9	882	34,004	1.035
Nitro 100 NF	147	REM	BJHP	2.5	738	3.1	825	34,013	1.165
Nitro 100 NF	147	SPR	TMJ FN	2.2	692	2.8	782	34,409	1.130
Solo 1000	90	HDY	HP	3.9	1,087	4.9	1,235	34,101	1.070
Solo 1000	115	NOS	JHP	3.5	934	4.5	1,052	34,667	1.077
Solo 1000	115	SIE	FMJ	3.6	964	4.6	1,085	34,867	1.100
Solo 1000	124	HDY	XTP	3.0	819	3.5	926	34,307	1.060
Solo 1000	124	REM	GS	3.6	905	4.4	1,026	34,214	1.145
Solo 1000	124	SPR	GD	3.4	828	3.8	941	34,553	1.105
Solo 1000	125	SIE	JHP	3.1	835	3.7	948	34,424	1.035
Solo 1000	147	REM	BJHP	3.2	782	3.8	886	34,516	1.165
Solo 1000	147	SPR	TMJ FN	2.9	743	3.4	836	34,101	1.130
No 2	90	HDY	HP	4.2	1,126	5.1	1,261	33,563	1.070
No 2	115	NOS	JHP	3.6	933	4.5	1,057	33,567	1.077
No 2	115	SIE	FMJ	3.7	971	4.6	1,088	34,202	1.100
No 2	124	HDY	XTP-HP	3.1	840	3.6	938	34,518	1.060
No 2	124	REM	GS	3.8	930	4.7	1,046	34,359	1.145
No 2	124	SPR	GD	3.6	874	4.3	989	34,347	1.105
No 2	125	SIE	JHP	3.3	845	4.0	961	34,688	1.035
No 2	147	REM	BJHP	3.3	785	4.0	890	34,211	1.165
No 2	147	SPR	TMJ FN	2.9	758	3.5	856	33,652	1.130
No 5	115	NOS	JHP	5.4	1,007	6.3	1,137	34,913	1.077
No 5	115	SIE	FMJ	5.4	1,021	6.3	1,148	34,200	1.100
No 5	124	REM	GS	5.7	1,002	6.5	1,127	34,544	1.145
No 5	124	SPR	GD	5.2	938	5.9	1,061	34,658	1.105
No 5	125	SIE	JHP	4.6	903	5.3	1,022	34,552	1.035
No 5	147	REM	BJHP	4.7	864	5.5	974	34,444	1.165
No 5	147	SPR	TMJ FN	4.3	826	5.1	938	34,969	1.130
No 7	115	NOS	JHP	6.4	994	7.5	1,127	33,684	1.077
No 7	115	SIE	FMJ	7.8	1,049	7.8	1,171	34,821	1.100
No 7	124	REM	BS	6.9	1,013	7.9	1,140	34,678	1.145
No 7	124	SPR	GD	6.4	963	7.4	1,090	34,724	1.105
No 7	125	SIE	JHP	5.7	915	6.5	1,035	34,747	1.035
No 7	147	REM	BJHP	5.9	872	6.7	986	34,976	1.165
No 7	147	SPR	TMJ FN	5.4	835	6.2	948	34,863	1.130
Lead Bullets									
Nitro 100 NF	115	LC	RN	2.6	917	3.3	1,032	34,451	1.070
Nitro 100 NF	124	LC	RN	2.3	838	2.8	939	34,235	1.050
Nitro 100 NF	147	LC	RN	2.2	758	2.7	854	34,238	1.145
Solo 1000	115	LC	RN	3.3	979	4.4	1,110	34,167	1.070
Solo 1000	124	LC	RN	2.9	893	3.7	1,007	34,428	1.050
Solo 1000	147	LC	RN	2.9	817	3.5	923	34,101	1.145
No 2	115	LC	RN	3.4	985	4.4	1,109	34,808	1.070
No 2	124	LC	RN	3.0	895	3.8	1,012	34,794	1.050
No 2	147	LC	RN	3.0	810	3.6	911	34,444	1.145
No 5	115	LC	RN	5.2	1,043	6.1	1,179	34,420	1.070
No 5	124	LC	RN	4.7	957	5.4	1,078	34,557	1.050
No 5	147	LC	RN	4.4	863	5.1	976	33,898	1.145
No 7	115	LC	RN	6.3	1,039	7.5	1,178	33,632	1.070
No 7	124	LC	RN	5.7	963	6.5	1,086	34,546	1.050
No 7	147	LC	RN	5.3	878	6.3	996	34,748	1.145
Plated bullets									
Nitro 100 NF	115	BRY	RNDS	2.9	875	3.5	990	33,000	1.130
Nitro 100 NF	115	RAN	RN	3.0	896	3.6	1,020	34,781	1.140
Nitro 100 NF	124	BRY	RN	2.9	839	3.5	950	33,846	1.160
Nitro 100 NF	124	BRY	HBFP	2.5	812	3.2	918	34,556	1.060
Nitro 100 NF	124	RAN	HP	2.7	805	3.3	911	34,000	1.110
Nitro 100 NF	124	RAN	RN	2.8	855	3.5	958	33,846	1.160
Nitro 100 NF	147	RAN	TRN	2.4	714	3.0	810	34,100	1.160

continued

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)
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9mm Luger — continued

Barrel: 4" ■ Twist: 1-10" ■ Primer: WIN WSP ■ Bullet Diameter .355"

Plated bullets

Solo 1000	115	BRY	RNDS	3.4	935	4.4	1,057	34,113	1.130
Solo 1000	115	RAN	RN	3.5	929	4.3	1,052	34,327	1.140
Solo 1000	124	BRY	RN	3.4	850	3.9	964	33,684	1.160
Solo 1000	124	BRY	HBFP	3.3	858	3.9	967	33,929	1.060
Solo 1000	124	RAN	HP	3.6	881	4.2	993	34,818	1.110
Solo 1000	124	RAN	RN	3.5	899	4.2	1,011	34,910	1.160
Solo 1000	147	RAN	TRN	3.0	767	3.7	871	34,173	1.160
No 2	115	BRY	RNDS	3.7	976	4.7	1,103	34,853	1.130
No 2	115	RAN	RN	3.8	957	4.6	1,081	33,695	1.140
No 2	124	BRY	RN	3.8	922	4.4	1,042	34,237	1.160
No 2	124	BRY	HBFP	3.3	881	4.1	999	34,231	1.060
No 2	124	RAN	HP	3.3	885	4.2	1,001	33,618	1.110
No 2	124	RAN	RN	3.8	930	4.6	1,055	34,751	1.160
No 2	147	RAN	TRN	3.2	796	3.8	901	34,683	1.160
No 5	115	BRY	RNDS	5.7	1,023	6.5	1,145	33,667	1.130
No 5	115	RAN	RN	4.8	1,017	5.9	1,150	33,854	1.140
No 5	124	BRY	RN	5.6	977	6.3	1,104	34,132	1.160
No 5	124	BRY	HBFP	5.0	948	5.8	1,069	34,456	1.060
No 5	124	RAN	HP	5.3	961	6.1	1,085	34,392	1.110
No 5	124	RAN	RN	5.6	986	6.4	1,118	34,451	1.160
No 5	147	RAN	TRN	4.8	855	5.5	967	34,884	1.160
No 7	115	BRY	RNDS	7.0	1,047	8.2	1,185	34,933	1.130
No 7	115	RAN	RN	5.7	1,027	6.7	1,165	34,399	1.140
No 7	124	BRY	RN	6.7	997	7.6	1,120	34,312	1.160
No 7	124	BRY	HBFP	6.0	948	6.9	1,072	34,627	1.060
No 7	124	RAN	HP	6.3	954	7.2	1,080	34,204	1.110
No 7	124	RAN	RN	6.7	993	7.7	1,124	34,634	1.160
No 7	147	RAN	TRN	5.7	867	6.6	984	34,748	1.160

Copper Bullets

Nitro 100 NF	95	BAR	TAC-XP	3.2	980	3.7	1,109	34,123	1.160
Solo 1000	95	BAR	TAC-FBXP	3.9	1,021	4.6	1,156	34,210	1.160
No 2	95	BAR	TAC-XP	3.9	1,023	4.7	1,158	34,754	1.160
No.2	115	BAR	XPB	4.1	905	4.6	1,005	33,330	1.160
No 5	95	BAR	TAC-XP	5.7	1,079	6.5	1,218	33,966	1.160
No.5	115	BAR	XPB	5.0	959	5.5	1,065	33,880	1.160
No 7	95	BAR	TAC-XP	7.0	1,093	8.0	1,242	34,913	1.160

Frangible Bullets

No. 2	90	SF	RHFP	4.3	1,080	4.8	1,200	34,620	1.120
No. 2	100	SF	RHFP	4.0	978	4.4	1,087	34,270	1.120
No. 5	90	SF	RHFP	5.6	1,101	6.2	1,223	33,540	1.120
No. 5	100	SF	RHFP	5.2	1,031	5.8	1,145	34,600	1.120

Nitro 100 NF = New Formulation.


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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)
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357 SIG

Barrel: 4" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .355"

Standard Jacketed

No.2	115	NOS	JHP	5.7	1,122	6.4	1,276	38,600	1.140
No.2	125	SIE	FMJ	5.4	1,066	6.0	1,212	38,900	1.140
No.2	147	HDY	XTP	4.7	933	5.3	1,061	39,800	1.140
No.5	115	NOS	JHP	8.4	1,191	9.4	1,354	37,900	1.140
No.5	125	SIE	FMJ	8.3	1,166	9.2	1,325	39,600	1.140
No.5	147	HDY	XTP	7.1	1,019	7.9	1,159	38,400	1.140
No.7	115	SIE	JHP	10.2	1,218	11.3	1,385	39,100	1.140
No.7	124	HDY	FMJ FP	10.0	1,161	11.0	1,320	37,100	1.140
No.7	147	HDY	XTP	8.3	1,020	9.2	1,160	38,600	1.140
No.9	115	NOS	JHP	12.1	1,261	13.5	1,434	36,900	1.140
No.9	125	SIE	FMJ	11.7	1,220	13.0	1,387	39,100	1.140
No.9	147	HDY	XTP	9.4	1,018	10.5	1,158	34,400	1.140

Lead Bullets

No.2	115	LC	RN	5.6	1,099	6.2	1,249	38,200	1.140
No.2	122	MCB	FN	5.2	1,070	5.8	1,217	38,100	1.140
No.2	147	MCB	RN BB	4.2	923	4.7	1,049	36,800	1.140
No.5	115	LC	RN	8.1	1,160	9.0	1,319	38,500	1.140
No.5	122	LC	FP	7.9	1,144	8.8	1,300	37,100	1.140
No.5	147	LC	FP	6.7	1,029	7.5	1,170	36,900	1.140
No.7	115	LC	RN	9.9	1,182	11.0	1,344	37,800	1.140
No.7	124	LC	RN	9.6	1,162	10.7	1,321	37,900	1.140
No.7	145	LC	RN	8.6	1,071	9.6	1,218	40,000	1.140
No.9	115	LC	RN	12.1	1,258	13.5	1,430	39,000	1.140
No.9	122	MCB	RN BB	11.7	1,217	13.0	1,383	36,100	1.140
No.9	145	LC	RN	9.4	1,029	10.5	1,170	33,000	1.140

Copper Bullets

No. 5	125	BAR	XPB	6.6	1,069	7.3	1,188	41,097	1.140
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Frangible Bullets

No. 2	100	SF	RHFP	6.1	1,245	6.8	1,383	42,110	1.130
No. 5	100	SF	RHFP	8.2	1,351	9.1	1,501	44,130	1.130

38 Special

Barrel: 7.75" ■ Twist: 1-18.75" ■ Primer: WIN WSP ■ Bullet Diameter .357"

Standard Jacketed

No.2	110	SIE	JHC	5.0	953	5.6	1,083	16,800	1.435
No.2	125	HDY	XTP	4.8	871	5.3	990	16,780	1.445
No.2	140	SIE	JHP	4.2	781	4.7	888	16,700	1.445
No.2	150	NOS	JHP	4.2	751	4.7	853	17,000	1.450
No.2	158	HDY	XTP	3.6	665	4.0	756	16,500	1.445
No.5	110	SIE	JHC	6.6	959	7.3	1,090	16,600	1.435
No.5	125	HDY	XTP	6.1	757	6.8	860	16,300	1.445
No.5	140	SIE	JHP	5.8	757	6.4	860	16,700	1.445
No.5	150	NOS	JHP	5.9	715	6.5	813	16,600	1.450
No.5	158	HDY	XTP	5.2	740	5.8	841	16,500	1.445
No.5	158	RAN	RN	5.1	829	5.7	943	16,900	1.430

Lead Bullets

No.2	148	LC	WC DBB	2.6	634	2.9	720	15,500	1.152
No.2	158	MCB	SWC BB	3.6	764	4.0	868	14,100	1.481
No.5	148	LC	WC DBB	3.6	710	4.0	807	16,200	1.152
No.5	158	MCB	SWC BB	5.3	827	5.9	940	16,100	1.481

Frangible Bullets

No. 2	125	SF	RHFP	3.4	552	3.8	613	16,155	1.500
No. 5	125	SF	RHFP	5.4	785	6.0	872	16,925	1.500

.38 Special +P

Copper Bullets

No. 2	110	BAR	XPB	4.1	905	4.6	1,005	18,065	1.515
S1250	110	BAR	XPB	4.5	967	5.0	1,074	17,905	1.515
No. 5	110	BAR	XPB	5.9	1,026	6.6	1,140	17,905	1.515
No. 7	110	BAR	XPB	7.3	1,049	8.1	1,165	18,135	1.515

Frangible Bullets

No. 2	125	SF	RHFP	3.6	625	4.0	694	17,845	1.500
No. 5	125	SF	RHFP	5.7	852	6.3	947	18,295	1.500



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38 Super

Barrel: 5" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .355"

Standard Jacketed

	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)
No. 5	115	SIE	FMJ	7.6	1,225	8.4	1,361	35,520	1.240
No. 5	124	HDY	FMJ CT	7.3	1,174	8.1	1,304	35,980	1.270
No. 5	147	SPR	TMJ FP	6.6	1,072	7.3	1,191	35,550	1.270
No. 7	115	SIE	FMJ	9.7	1,324	10.8	1,471	36,300	1.240
No. 7	124	HDY	FMJ CT	9.0	1,249	10.0	1,388	35,920	1.270
No. 7	147	SPR	TMJ FP	8.1	1,114	9.0	1,238	35,800	1.270

Lead Bullets

	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)
No. 5	115	LC	RN	7.6	1,296	8.4	1,440	35,520	1.240
No. 5	124	LC	RN	7.2	1,230	8.0	1,367	35,900	1.270
No. 5	145	LC	RN	6.4	1,099	7.1	1,221	35,570	1.270
No. 7	115	LC	RN	9.9	1,367	11.0	1,519	35,710	1.240
No. 7	124	LC	RN	9.1	1,283	10.1	1,425	36,230	1.270
No. 7	145	LC	RN	8.3	1,170	9.2	1,300	36,110	1.270

Frangible Bullets

	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)
No. 2	90	SF	RHFP	6.1	1,305	6.8	1,450	35,870	1.260
No. 2	100	SF	RHFP	5.6	1,204	6.2	1,338	36,110	1.260
No. 5	90	SF	RHFP	7.7	1,379	8.5	1,532	36,140	1.260
No. 5	100	SF	RHFP	7.2	1,287	8.0	1,430	36,000	1.260

357 Magnum

Barrel: 6" ■ Twist: 1-18.75" ■ Primer: WIN WSPM ■ Bullet Diameter .357"

Standard Jacketed

	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)
No. 5	110	SIE	JHC	9.9	1,355	11.0	1,540	32,448	1.575
No. 5	125	HDY	XTP	9.6	1,273	10.6	1,446	33,384	1.575
No. 5	140	SIE	JHP	9.1	1,202	10.1	1,366	33,696	1.575
No. 5	158	HDY	XTP	8.6	1,097	9.7	1,256	33,150	1.590
No. 7	110	SIE	JHC	11.6	1,362	12.9	1,548	32,526	1.575
No. 7	125	HDY	XTP	10.9	1,278	12.1	1,453	33,306	1.575
No. 7	140	SIE	JHP	10.1	1,178	11.2	1,339	34,008	1.575
No. 7	158	NOS	JHP	9.5	1,196	10.5	1,360	34,242	1.580
No. 7	170	SIE	FMJ	8.7	1,010	9.7	1,147	34,788	1.565
No. 7	180	SIE	FP	8.2	980	9.2	1,100	34,500	1.590
No. 9	110	HDY	XTP	15.3	1,478	16.9	1,677	34,086	1.575
No. 9	125	NOS	JHP	14.1	1,378	15.6	1,567	35,178	1.575
No. 9	140	SIE	JHP	12.8	1,252	14.2	1,422	33,618	1.575
No. 9	150	NOS	SP	12.6	1,227	14.0	1,394	33,540	1.590
No. 9	158	HDY	XTP	12.4	1,202	13.8	1,367	35,022	1.580
No. 9	170	SIE	FMJ	11.2	1,092	12.4	1,241	35,100	1.565
No. 9	180	HDY	XTP	10.8	1,059	12.0	1,202	33,540	1.575
4100	125	HDY	HP XTP	16.1	1,485	17.9	1,650	32,081	1.580
4100	140	SIE	JHC	14.3	1,298	15.9	1,442	33,687	1.580
4100	158	HDY	HP XTP	12.5	1,176	13.9	1,307	33,490	1.590

Lead Bullets

	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)
No. 5	158	(L)	SWC	8.0	1,100	9.0	1,220	34,500	1.590
No. 7	147	MCB	FP BB	9.5	1,085	10.5	1,234	34,320	1.580
No. 7	158	LC	SWC	9.1	1,041	10.1	1,183	33,228	1.580
No. 7	180	LC	FP	8.3	938	9.2	1,067	33,852	1.675
No. 9	147	MCB	FP BB	11.9	1,151	13.2	1,308	32,838	1.580
No. 9	158	LC	SWC	11.2	1,104	12.4	1,255	32,214	1.580
No. 9	180	CP	WFNGC	10.4	1,008	11.6	1,145	31,356	1.675
4100	180	CP	WFNGC	11.3	1,015	12.6	1,150	31,356	1.675

Copper Bullets

	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)
No. 5	125	BAR	XPB	7.5	1,166	8.3	1,295	34,000	1.585
No. 5	140	BAR	XPB	6.9	1,032	7.7	1,147	33,600	1.590
No. 7	125	BAR	XPB	9.0	1,220	10.0	1,355	34,000	1.585
No. 7	140	BAR	XPB	8.6	1,060	9.5	1,178	34,500	1.590
No. 9	125	BAR	XPB	12.6	1,399	14.0	1,554	33,300	1.585
No. 9	140	BAR	XPB	11.3	1,204	12.5	1,338	33,700	1.590
4100	125	BAR	XPB	14.7	1,372	16.4	1,525	33,983	1.585
4100	140	BAR	XPB	13.0	1,199	14.4	1,333	33,490	1.590

357 Maximum

Barrel: 10" ■ Twist: 1-18.75" ■ Primer: Win WSP ■ Bullet Diameter .357"

Jacketed Bullets:

	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)
4100	158	HDY	JHP-XTP	14.5	1,531	17.7	1,751	39,900	1.895
4100	170	SIE	FMJ	14.4	1,516	16.6	1,667	39,888	1.884
4100	180	NOS	PART	13.6	1,390	15.7	1,571	39,525	1.875
4100	180	SIE	FPJ	13.4	1,398	15.5	1,572	39,500	1.872
5744	158	HDY	JHP-XTP	19.0	1,544	21.1	1,732	40,000	1.895
5744	170	SIE	FMJ	18.1	1,484	20.1	1,648	39,850	1.884
5744	180	NOS	PART	16.9	1,349	18.7	1,535	39,525	1.875
5744	180	SIE	FPJ	17.2	1,396	19.1	1,563	39,700	1.872
1680	158	HDY	JHP-XTP	24.5	1,724	27.3	1,912	36,300	1.895
1680	170	SIE	FMJ	22.2	1,594	24.6	1,768	34,200	1.884
1680	180	NOS	PART	20.2	1,470	22.4	1,647	37,000	1.875
1680	180	SIE	FPJ	21.5	1,576	23.9	1,744	39,900	1.872

Lead/cast bullets:

	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)
4100	180	LC	FP	14.0	1,514	16.3	1,680	39,700	1.900
4100	200	CP	WLNG	12.9	1,408	15.2	1,574	39,882	1.930
5744	180	LC	FP	17.8	1,496	19.8	1,657	39,700	1.900
5744	200	CP	WLNG	16.5	1,393	18.3	1,554	39,775	1.930
1680	180	LC	FP	22.2	1,635	24.7	1,817	35,000	1.900
1680	200	CP	WLNG	20.9	1,542	23.2	1,708	35,000	1.930

Italics = Compressed loads

357 Maximum-T/C

Barrel: 10" ■ Twist: 1-18.75" ■ Primer: Win WSP ■ Bullet Diameter .357"

These loads and round configurations cannot be used in standard handguns revolvers etc. It is intended only for barrels that has been adapted to accept the much longer COL = Cartridge Overall Length

For longer barrel lengths add to the velocity(ca): 14": +9%/+150Fps 20": +18%/+300Fps

	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)
5744	180	HDY	HP-XTP	20.0	1,517	22.2	1,704	39,775	2.025
5744	180	HDY	SSPB	22.2	1,638	24.7	1,824	39,825	2.350
5744	200	HDY	FTX	21.1	1,532	23.5	1,707	39,565	2.500
1680	180	HDY	HP-XTP	25.5	1,724	28.3	1,884	39,500	2.025
1680	180	HDY	SSPB	27.0	1,692	30.0	1,850	27,470	2.350
1680	200	HDY	FTX	27.0	1,670	30.0	1,837	35,810	2.500

Italics = Compressed loads

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40 S&W

Barrel: 4" ■ Twist: 1-16" ■ Primer: WIN WSP ■ Bullet Diameter .400"

Jacketed Bullets:

	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)
No.2	135	NOS	JHP	6.8	1,097	7.6	1,247	34,700	1.125
No.2	150	NOS	JHP	5.9	988	6.6	1,098	34,860	1.135
No.2	155	BRY	RS	5.6	968	6.2	1,100	35,000	1.125
No.2	155	HDY	XTP	5.9	966	6.5	1,073	34,350	1.135
No.2	165	SIE	JHP	5.2	907	5.8	1,008	34,220	1.135
No.2	180	HDY	XTP	4.8	828	5.3	920	34,450	1.135
No.2	180	RAN	HP	4.3	794	4.8	903	33,400	1.125
No.5	135	SIE	JHP	8.4	1,114	9.3	1,266	34,900	1.125
No.5	150	NOS	JHP	7.5	1,030	8.3	1,170	35,000	1.120
No.5	155	HDY	XTP	7.2	1,010	8.0	1,128	34,800	1.125
No.5	155	RAN	FP	6.9	963	7.7	1,095	32,100	1.125
No.5	165	SIE	JHP	6.5	911	7.2	1,035	34,000	1.125
No.5	180	HDY	XTP	5.9	849	6.6	965	32,500	1.135
No.5	180	BRY	HP	5.8	849	6.5	965	33,600	1.125
No.5	190	SIE	FPJ	6.0	828	6.7	950	35,000	1.125
No.7	135	NOS	JHP	10.1	1,089	11.2	1,237	33,900	1.125
No.7	150	NOS	JHP	9.2	1,000	10.2	1,136	34,300	1.120
No.7	155	HDY	XTP	9.0	995	10.0	1,124	34,500	1.125
No.7	155	RAN	FP	9.3	998	10.3	1,135	34,300	1.125
No.7	165	SIE	JHP	8.4	923	9.3	1,049	34,400	1.125
No.7	180	HDY	XTP	7.7	861	8.5	978	34,600	1.135
No.7	190	SIE	FPJ	7.7	848	8.6	964	34,300	1.125
No.7	200	HDY	XTP	6.7	748	7.4	850	35,000	1.130

Lead Bullets

No.2	140	LC	TC	5.9	1,016	6.6	1,155	33,400	1.115
No.2	155	LC	RN SWC	5.7	982	6.3	1,116	34,100	1.130
No.2	175	MCB	SWC BB	4.8	858	5.3	975	34,200	1.115
No.2	185	LC	RN SWC	4.6	829	5.1	942	33,000	1.120
No.5	140	LC	TC	7.2	1,038	8.0	1,179	34,900	1.115
No.5	155	LC	RN SWC	6.8	1,019	7.5	1,158	35,000	1.130
No.5	170	LC	SWC	5.5	868	6.1	986	35,000	1.115
No.5	185	LC	TC	5.4	858	6.0	975	35,000	1.120
No.7	140	LC	TC	9.0	1,030	10.0	1,171	33,700	1.115
No.7	155	MCB	SWC BB	8.7	1,008	9.7	1,146	34,600	1.130
No.7	175	MCB	SWC BB	7.6	892	8.4	1,014	35,000	1.115
No.7	185	LC	SWC	7.4	871	8.2	990	35,000	1.120
No.7	200	LC	TC	6.1	777	6.8	883	34,800	1.110

Copper Bullets

No. 5	140	BAR	XPB	5.7	873	6.3	970	32,500	1.135
No. 5	155	BAR	XPB	4.6	736	5.1	818	31,960	1.135

Frangible Bullets

No. 2	105	SF	RHFP	5.6	1,136	6.2	1,262	34,300	1.120
No. 2	125	SF	RHFP	4.6	949	5.1	1,054	34,740	1.120
No. 5	105	SF	RHFP	8.1	1,201	9.0	1,334	33,170	1.120
No. 5	125	SF	RHFP	6.5	1,013	7.2	1,125	34,320	1.120

10mm Auto

Barrel: 5" ■ Twist: 1-16" ■ Primer: WIN WLP ■ Bullet Diameter .400"

Jacketed Bullets:

No.5	135	SIE	JHP	10.3	1,323	11.4	1,503	36,900	1.250
No.5	150	NOS	JHP	9.5	1,229	10.6	1,397	36,900	1.245
No.5	155	HDY	JHP	9.0	1,174	10.0	1,334	35,300	1.250
No.5	155	RAN	FP	8.9	1,151	9.9	1,309	34,300	1.260
No.5	165	SIE	HP	8.7	1,122	9.7	1,275	36,200	1.250
No.5	180	HDY	XTP	7.8	1,053	8.7	1,197	36,800	1.250
No.7	135	NOS	JHP	12.2	1,299	13.6	1,476	34,900	1.250
No.7	150	SIE	JHP	11.7	1,236	13.0	1,405	36,400	1.245
No.7	155	HDY	JHP	11.4	1,214	12.7	1,379	37,500	1.250
No.7	165	SIE	JHP	10.8	1,148	12.0	1,305	37,500	1.250
No.7	180	HDY	XTP	9.6	1,041	10.7	1,183	35,300	1.250
No.7	180	RAN	HP	9.9	1,051	11.0	1,195	36,200	1.260
No.7	190	SIE	FPJ	10.1	1,054	11.2	1,198	36,000	1.250
No.7	200	HDY	XTP	8.8	960	9.8	1,091	36,500	1.250
No.9	155	HDY	JHP	14.3	1,244	15.9	1,414	32,700	1.250
No.9	165	SIE	JHP	13.5	1,180	15.0	1,341	34,100	1.250
No.9	180	HDY	XTP	12.2	1,093	13.5	1,242	34,100	1.250
No.9	180	RAN	HP	12.1	1,086	13.5	1,235	35,500	1.260
No.9	200	HDY	XTP	11.3	1,030	12.5	1,170	37,000	1.250

Lead Bullets

No.5	140	LC	TC	8.7	1,190	9.7	1,352	33,400	1.250
No.5	170	LC	SWC	7.8	1,085	8.7	1,233	31,800	1.250
No.5	175	MCB	SWC BB	7.5	1,026	8.3	1,166	31,500	1.245
No.7	140	LC	TC	10.8	1,203	12.0	1,367	33,700	1.250
No.7	170	LC	SWC	9.9	1,120	11.0	1,273	35,500	1.250
No.7	175	MCB	SWC BB	9.4	1,055	10.4	1,199	35,200	1.245
No.7	185	LC	RN SWC	9.2	1,032	10.2	1,173	34,500	1.245
No.7	195	MCB	TC BB	8.6	998	9.5	1,134	35,400	1.245
No.9	170	LC	SWC	12.2	1,131	13.6	1,285	34,900	1.245
No.9	185	LC	RN SWC	11.7	1,098	13.0	1,248	34,700	1.245
No.9	200	LC	TC	10.6	1,018	11.8	1,157	36,200	1.250

41 Remington Magnum

Barrel: 10" ■ Twist: 1-18.75" ■ Primer: FED 155 ■ Bullet Diameter .410"

Jacketed Bullets:

No.5	170	SIE	JHP	10.2	1,248	11.3	1,418	33,352	1.565
No.5	210	HDY	XTP	9.8	1,105	10.8	1,256	34,496	1.570
No.5	220	RAN	FP	9.7	1,129	10.8	1,283	35,112	1.590
No.7	170	SIE	JHP	13.2	1,300	14.6	1,477	32,560	1.565
No.7	210	HDY	XTP	12.0	1,153	13.3	1,310	34,672	1.570
No.7	220	RAN	FP	12.1	1,174	13.4	1,335	33,704	1.590
No.9	170	SIE	JHP	16.6	1,425	18.5	1,620	34,056	1.565
No.9	210	HDY	XTP	15.2	1,271	16.9	1,445	35,200	1.570
No.9	220	RAN	FP	14.7	1,240	16.3	1,409	34,144	1.590
4100	210	NOS	JHP	18.9	1,477	21.1	1,641	35,263	1.581
5744	210	NOS	JHP	20.7	1,321	23.0	1,468	35,440	1.581

Lead Bullets

No.5	200	MCB	SWC BB	10.6	1,201	11.8	1,364	32,296	1.675
No.5	215	LC	SWC	10.4	1,175	11.5	1,325	33,500	1.600
No.5	240	CP	RN	10.2	1,134	11.3	1,289	35,112	1.710
No.7	200	MCB	SWC BB	12.3	1,206	13.6	1,370	32,472	1.675
No.7	215	LC	SWC	12.2	1,156	13.5	1,335	33,475	1.600
No.7	240	CP	RN	11.8	1,137	13.2	1,292	33,264	1.710
No.9	200	MCB	SWC BB	15.2	1,322	16.9	1,503	33,968	1.675
No.9	215	LC	SWC	14.4	1,265	16.0	1,422	33,475	1.600
No.9	240	CP	RN	14.0	1,235	15.6	1,375	34,450	1.710
No.9	265	CP	WFNGC	13.5	1,218	15.0	1,354	34,760	1.710
4100	215	LC	SWC	19.0	1,450	21.1	1,601	35,500	1.600
4100	240	CP	RN	18.6	1,395	20.7	1,575	35,000	1.710
4100	250	CP	WFNPG	18.1	1,365	20.2	1,517	34,130	1.674
4100	255	CP	WFNGC	17.8	1,353	19.8	1,503	35,421	1.662
4100	265	CP	WFNGC	17.1	1,306	19.0	1,451	34,810	1.710
5744	265	TS	WNFPGC	17.8	1,166	19.8	1,295	34,840	1.700

Copper Bullets

No. 7	180	BAR	XPB	11.4	1,260	12.7	1,400	35,260	1.590
No. 9	180	BAR	XPB	15.8	1,369	17.6	1,521	35,680	1.590

44 Special

Barrel: 8.150" ■ Twist: 1-20" ■ Primer: REM 2 ½ ■ Bullet Diameter .429"

Jacketed Bullets:

No.2	180	HDY	JHP	5.3	802	5.9	911	13,890	1.485
No.2	200	NOS	JHP	4.9	708	5.4	805	13,900	1.490
No.2	240	SIE	JHC	4.1	532	4.5	604	13,900	1.485
No.5	180	HDY	JHP	7.8	878	8.7	1,000	14,000	1.485
No.5	200	NOS	JHP	7.2	766	8.0	871	13,000	1.490
No.5	240	SIE	JHC	5.8	640	6.5	730	14,000	1.485

Lead Bullets

No.2	200		RN FP	5.1	875	5.6	950	14,000	1.500
No.2	220	MCB	RN FP	4.8	790	5.3	900	13,980	1.535
No.2	240	LC	RN FP	4.2	721	4.7	819	13,975	1.480
No.5	220	MCB	RN FP	7.0	844	7.8	959	14,000	1.535
No.5	240	LC	RN FP	6.1	757	6.8	860	14,000	1.480

Copper Bullets

No. 2	200	BAR	XPB	5.2	796	5.8	884	15,430	1.610
S1250	200	BAR	XPB	6.0	847	6.7	941	15,340	1.610
No. 5	200	BAR	XPB	7.7	854	8.5	949	15,080	1.610



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)
44 Remington Magnum									
Barrel: 8.275" ■ Twist: 1-20" ■ Primer: WIN WLP ■ Bullet Dia.: .429"									
Jacketed Bullets:									
No.7	180	SIE	JHP	17.2	1,382	19.1	1,570	34,800	1.560
No.7	200	NOS	JHP	15.6	1,245	17.4	1,415	32,625	1.595
No.7	240	HDY	XTP	14.5	1,145	16.1	1,302	34,800	1.560
No.7	240	RAN	FP	14.0	1,163	15.6	1,322	32,451	1.575
No.7	250	NOS	PART	14.2	1,076	15.8	1,224	32,799	1.600
No.7	300	SIE	JSP	13.6	988	15.1	1,123	34,800	1.735
No.7	300	HDY	XTP	12.2	963	13.5	1,095	33,060	1.595
No.9	200	NOS	JHP	20.9	1,357	23.3	1,542	32,886	1.595
No.9	240	SIE	JHC	17.8	1,214	19.8	1,380	34,800	1.560
No.9	240	RAN	FP	16.7	1,220	18.6	1,386	34,800	1.575
No.9	250	SIE	FPJ	17.6	1,173	19.5	1,333	34,104	1.600
No.9	300	SIE	JSP	15.9	1,018	17.7	1,156	34,800	1.735
No.9	300	HDY	XTP	14.8	1,031	16.5	1,172	33,338	1.595
4100	180	SIE	JHC	24.3	1,683	26.8	1,851	32,022	1.581
4100	240	NOS	JSP	19.8	1,368	21.8	1,505	35,066	1.590
4100	300	HDY	HP XTP	16.2	1,170	17.9	1,287	34,968	1.580
5744	240	HDY	XTP	21.6	1,243	24.0	1,413	35,000	1.580
5744	300	HDY	XTP	18.0	1,048	20.0	1,191	31,400	1.595

Lead Bullets

No.7	200	LC	RN FP	15.3	1,229	17.0	1,397	34,800	1.560
No.7	240	MCB	SWC	14.7	1,180	16.3	1,341	34,539	1.560
No.9	220	MCB	RN FP	19.7	1,340	21.9	1,523	34,800	1.560
No.9	240	LC	SWC	18.1	1,255	20.2	1,426	34,452	1.560
No.9	275	CP	WFNPB	15.9	1,106	17.7	1,242	34,800	1.695
No.9	300	CP	WFNGC	15.4	1,081	17.2	1,214	34,800	1.720
No.9	320	CP	WFNGC	14.6	1,070	16.3	1,216	34,626	1.665
4100	200	MCB	RN FP	22.6	1,500	24.9	1,650	25,649	1.565
4100	240	LC	SWC	19.3	1,287	21.4	1,407	35,156	1.610
4100	255	CP	WFNGC	18.5	1,285	20.5	1,414	25,718	1.610
4100	300	CP	WFNGC	16.7	1,225	18.4	1,347	32,259	1.590
4100	310	OT	WN FP	16.5	1,171	18.2	1,288	27,787	1.635
4100	320	CP	WLNCG	16.4	1,179	18.1	1,297	31,796	1.695
5744	240	LC	SWC	21.6	1,272	24.0	1,446	34,500	1.560
5744	320	CP	WFNGC	16.2	952	18.0	1,082	27,800	1.665

Copper Bullets

No. 9	200	BAR	XPB	18.9	1,382	21.0	1,535	35,522	1.591
No. 9	225	BAR	XPB	16.2	1,184	18.0	1,315	35,562	1.604
4100	200	BAR	XPB	20.1	1,414	22.3	1,571	32,221	2.289
4100	225	BAR	XPB	17.9	1,262	19.9	1,402	35,192	2.289

45 GAP

Barrel: 5" ■ Twist: 1-16" ■ Primer: WSP ■ Bullet diameter .451 to .452

Jacketed Bullets:

No. 2	185	SIE	JHP	4.6	812	5.1	902	21,650	1.063
No. 2	200	HDY	HP XTP	4.3	779	4.8	866	21,170	1.070
No. 5	185	SIE	JHP	6.9	886	7.7	984	20,930	1.063
No. 5	200	HDY	HP/XTP	6.4	833	7.1	925	22,200	1.070

Lead Bullets

No. 2	155	LC	SWC	5.0	954	5.5	1,060	21,440	1.085
No. 2	180	LC	SWC	4.1	811	4.6	901	18,560	1.100
No. 5	155	LC	SWC	7.0	979	7.8	1,088	21,010	1.085
No. 5	180	LC	SWC	6.3	855	7.0	950	19,910	1.100

Copper Bullets

No. 2	160	BAR	XPB	4.1	822	4.6	913	20,900	1.100
No. 5	160	BAR	XPB	5.7	839	6.3	932	20,970	1.100
No. 7	160	BAR	XPB	7.4	860	8.2	956	21,110	1.100

45 Auto (ACP)

Barrel: 5" ■ Twist: 1-16" ■ Primer: FED 150 ■ Bullet Dia.: .451"

Jacketed Bullets:

S1000	185	SIE	JHC	5.5	862	6.1	980	19,400	1.210
S1000	200	HDY	XTP	5.2	804	5.8	914	18,800	1.225
S1000	230	NOS	FMJ	4.9	746	5.5	848	18,900	1.250
No.2	185	NOS	JHP	5.7	948	6.7	1,106	20,750	1.210
No.2	200	HDY	XTP	5.1	855	5.8	970	19,900	1.225
No.2	230	SIE	FMJ	4.6	769	5.4	881	20,800	1.250
No.5	185	HDY	XTP	9.2	970	10.2	1,102	19,900	1.210
No.5	200	SIE	FPJ	8.7	924	9.7	1,050	20,600	1.225
No.5	230	NOS	FMJ	7.8	816	8.7	927	19,300	1.250

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)
No.7	185	SIE	JHP	11.7	962	13.0	1,093	18,000	1.210
No.7	200	HDY	XTP	10.8	912	12.0	1,036	19,200	1.225
No.7	230	HDY	XTP	9.5	822	10.5	933	20,100	1.230
Lead Bullets									
S1000	155	LC	SWC	5.9	1,029	6.5	1,170	19,100	1.240
S1000	170	MCB	SWC	5.3	931	5.9	1,059	17,800	1.130
S1000	200	LC	SWC	4.8	838	5.3	952	18,300	1.190
S1000	230	LC	RN	4.6	790	5.1	898	18,300	1.230
No.2	155	LC	SWC	6.8	1,060	7.5	1,204	20,600	1.240
No.2	170	MCB	SWC	5.9	950	6.5	1,079	19,400	1.130
No.2	185	MCB	SWC	5.6	895	6.2	1,000	18,500	1.210
No.2	200	LC	SWC	5.2	826	5.8	939	17,400	1.190
No.2	230	LC	RN	5.0	766	5.6	870	17,200	1.230
No.5	155	LC	SWC	9.0	1,046	10.0	1,189	18,500	1.240
No.5	170	MCB	SWC	8.1	945	9.0	1,074	17,800	1.130
No.5	185	MCB	SWC	8.0	925	8.9	1,050	18,500	1.230
No.5	200	LC	SWC	7.8	902	8.7	1,025	19,400	1.190
No.5	230	MCB	RN BB	7.7	852	8.5	968	19,800	1.230
No.7	155	LC	SWC	12.0	1,076	13.3	1,223	20,200	1.240
No.7	170	MCB	SWC	11.3	1,031	12.5	1,172	20,800	1.130
No.7	200	LC	SWC	10.4	899	11.5	1,022	18,700	1.190
No.7	230	LC	RN	9.9	862	11.0	979	19,400	1.230

Copper Bullets

No. 2	185	BAR	XPB	4.5	770	5.0	856	20,265	1.235
No. 5	185	BAR	XPB	6.5	813	7.2	903	20,375	1.235
No. 7	185	BAR	XPB	8.1	827	9.0	919	20,155	1.235

Frangible bullets

No. 2	140	SF	RHFP	5.2	978	5.8	1,087	20,480	1.210
No. 2	155	SF	RHFP	4.6	882	5.1	980	20,420	1.210
No. 5	140	SF	RHFP	8.7	1,044	9.7	1,160	20,350	1.210
No. 5	155	SF	RHFP	7.3	923	8.1	1,025	19,430	1.210

45 Colt

Barrel: 7.26" ■ Twist: 1-16" ■ Primer: REM 2 ½ ■ Bullet Dia.: .452"

Jacketed Bullets:

No.5	185	SIE	JHP	10.8	946	12.0	1,075	12,200	1.575
No.5	200	HDY	XTP	10.4	908	11.5	1,032	13,400	1.595
No.5	230	HDY	XTP	9.9	853	11.0	969	14,000	1.595
No.5	240	SIE	JHP	9.5	854	10.5	970	14,000	1.590
No.5	250	HDY	XTP	9.9	704	11.0	800	14,000	1.570
No.5	250	RAN	FP	9.4	765	10.4	870	12,900	1.585

Lead Bullets

No.5	210	MCB	RN BB	10.9	904	12.1	1,027	12,500	1.620
No.5	225	MCB	TC BB	10.9	909	12.1	1,033	13,800	1.620
No.5	255	LC	SWC	9.4	846	10.4	961	13,400	1.600

45 Colt Ruger & T/C Contender Only

Barrel: 7.26" ■ Twist: 1-16" ■ Primer: WIN WLP ■ Bullet Dia.: .452"

Jacketed Bullets:

No.7	240	SIE	JHC	14.0	1,010	15.5	1,148	20,400	1.570
No.7	250	NOS	JHP	13.7	971	15.2	1,103	19,600	1.585
No.9	250	RAN	FP	16.2	1,008	18.0	1,146	20,000	1.585
No.9	300	HDY	XTP	13.5	710	15.0	807	19,500	1.580

Lead Bullets

No.7	210	MCB	RN BB	14.9	1,104	16.6	1,254	20,900	1.550
No.7	225	MCB	TC BB	14.8	1,087	16.4	1,235	21,000	1.575
No.7	255	LC	SWC	13.6	1,010	15.1	1,148	19,700	1.600
No.9	255	LC	SWC	15.8	1,038	17.6	1,180	20,100	1.600
No.9	265	CP	WFNGC	15.8	998	17.5	1,134	19,300	1.650
No.9	300	LC	FP	13.5	798	15.0	907	17,600	1.585

Copper Bullets

No. 7	225	BAR	XPB	14.6	1,161	16.2	1,290	27,657	1.588
No. 9	225	BAR	XPB	18.0	1,226	20.0	1,362	28,287	1.588

MONTANA X-TREME

SUPERIOR GUN CARE PRODUCTS

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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)
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454 Casull

Barrel: 7.5" ■ Twist: 1-24" ■ Primer: CCI 400 ■ Bullet Dia.: .452"

Jacketed Bullets:

No. 9	240	SIE	JHC	28.8	1,678	32.0	1,884	47,090	1.685
No. 9	300	HDY	XTP	24.8	1,494	27.5	1,691	55,410	1.740
4100	240	SIE	JHC	28.6	1,639	31.8	1,822	42,601	1.735
4100	260	NOS	PART	26.8	1,559	29.8	1,733	52,698	1.735
4100	300	NOS	PART	25.0	1,448	27.8	1,609	50,629	1.750
5744	240	SIE	JHC	27.9	1,363	31.0	1,484	30,800	1.685
5744	300	HDY	XTP	23.4	1,134	26.0	1,275	32,630	1.740
1680	240	SIE	JHP	32.4	1,498	36.0	1,702	42,200	1.705
1680	250	HDY	XTP	33.3	1,547	37.0	1,758	49,100	1.700
1680	300	HDY	XTP	30.2	1,403	33.5	1,594	49,600	1.765

Lead Bullets

4100	335	CP	WLNGC	23.2	1,363	25.8	1,515	52,550	1.760
4100	370	CP	WLNGC	21.4	1,245	23.8	1,384	47,477	1.770
4100	395	CP	WLNGC	19.7	1,181	21.8	1,312	47,576	1.770
5744	250	LC	RN FP	26.1	1,347	29.0	1,531	37,100	1.750
5744	255	LC	SWC	25.2	1,315	28.0	1,500	40,200	1.705
5744	300	MCB	WP FB	24.3	1,260	27.0	1,432	45,500	1.690
1680	300	LC	FP	27.0	1,229	30.0	1,397	33,700	1.690

Copper Bullets

No. 7	250	BAR	XPB	19.6	1,517	21.8	1,686	54,850	1.780
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460 S&W

Barrel: 8.37" ■ Twist: 1-20" ■ Primer: WIN WLR ■ Bullet Dia.: .452"

Reduced Loads

5744	240	HDY	XTP	27.0	1,230				
5744	260	NOS	PART	28.0	1,250				
5744	300	SIE	JSP	26.0	1,210				

Reduced Loads, Lead Bullets

5744	335	CP	WLNGC	25.5	1,200				
5744	360	CP	WLNGC	26.0	1,220				

Jacketed Bullets:

5744	240	HDY	XTP	40.0	1,836	44.0	2,035	58,200	2.188
5744	260	NOS	PART	36.0	1,685	40.0	1,880	55,000	2.192
5744	300	SIE	JSP	34.0	1,590	38.0	1,785	57,800	2.208
No. 9	240	HDY	XTP	34.0	1,820	38.0	2,000	59,300	2.188
No. 9	260	NOS	PART	31.5	1,740	35.0	1,895	59,000	2.192
No. 9	300	SIE	JSP	30.0	1,620	34.0	1,790	61,000	2.208
4100	240	HDY	XTP	41.4	1,895	46.0	2,145	58,700	2.160
4100	260	NOS	PART	36.9	1,843	41.0	2,048	58,200	2.180
4100	300	NOS	PART	35.1	1,820	39.0	2,042	57,800	2.187
1680	240	HDY	XTP	45.0	1,713	50.0	1,985	53,300	2.188
1680	260	NOS	PART	41.5	1,628	46.0	1,860	51,500	2.192
1680	300	SIE	JSP	40.5	1,590	45.0	1,810	57,000	2.208

Lead Bullets

5744	335	CP	WLNGC	32.0	1,500	36.5	1,710	59,600	2.181
5744	360	CP	WLNGC	31.5	1,480	35.0	1,640	59,800	2.199
No. 9	335	CP	WLNGC	28.0	1,510	31.5	1,660	61,000	2.181
No. 9	360	CP	WLNGC	27.0	1,450	30.0	1,580	60,438	2.199
4100	335	CP	WLNGC	31.0	1,520	34.5	1,675	60,000	2.181
4100	360	CP	WLNGC	29.7	1,450	33.0	1,595	59,100	2.199
1680	335	CP	WLNGC	38.0	1,500	42.0	1,684	59,700	2.181
1680	360	CP	WLNGC	36.0	1,400	39.5	1,600	57,500	2.199

Copper Bullets

No. 9	200	BAR	XPB	41.4	2,168	46.0	2,409	56,690	2.289
No. 9	275	BAR	XPB	34.2	1,805	38.0	2,006	57,750	2.289
4100	200	BAR	XPB	42.0	2,030	46.7	2,255	46,492	2.289
4100	275	BAR	XPB	34.9	1,757	38.7	1,952	53,348	2.289

SUPERIOR HANDGUN PERFORMANCE SHOT AFTER SHOT



No. 5® is extremely versatile and offers a wide performance range in many handgun calibers - from target and Cowboy Action applications to full power defense loads. This powder strikes a good balance between ballistics and cost efficiency.

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)
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480 Ruger

Barrel: 7.5" ■ Twist: 1-18" ■ Primer: WIN WLP ■ Bullet Dia - .475"

Jacketed Bullets:

No. 7	325	HDY	XTP	17.0	1,280	19.0	1,430	45,400	1.650
No. 7	400	HDY	XTP	13.0	1,050	15.0	1,180	45,200	1.635
No. 9	275	SPR	GDHP	23.4	1,260	26.0	1,377	45,000	1.640
No. 9	325	HDY	XTP	21.5	1,300	23.5	1,450	45,400	1.650
No. 9	400	HDY	XTP	17.0	1,130	19.0	1,240	44,600	1.635
4100	275	SPR	GDHP	26.7	1,267	29.7	1,385	43,750	1.640
4100	325	HDY	HP XTP	22.7	1,358	25.2	1,509	42,641	1.615
4100	400	HDY	XTP	18.5	1,158	20.5	1,265	44,250	1.635

Lead Bullets

No. 7	370	CP	LFNPB	15.2	1,180	17.2	1,300	46,000	1.670
No. 7	390	CP	LFNPB	14.8	1,150	16.5	1,260	46,600	1.680
No. 9	370	CP	LFNPB	19.0	1,220	21.0	1,320	44,900	1.670
No. 9	390	CP	LFNPB	18.4	1,180	20.5	1,300	45,500	1.680
4100	355	TS	WNFPGC	21.7	1,286	24.1	1,429	39,538	1.615
4100	370	CP	LFNPB	21.2	1,271	23.5	1,413	41,784	1.660
4100	375	CP	LFNGC	19.6	1,208	21.7	1,342	41,015	1.610

Copper Bullets

No. 7	275	BAR	XPB	17.1	1,290	19.0	1,433	46,400	1.695
No. 9	275	BAR	XPB	22.5	1,360	25.0	1,511	40,550	1.695
4100	275	BAR	XPB	23.2	1,350	25.8	1,500	35,677	1.695

Italics = Compressed

475 Linebaugh

Barrel: 8.0" ■ Twist: 1-18" ■ Primer: WLP ■ Bullet Dia - .475"

Reduced Loads, Lead Bullets

5744	375	CP	LFNGC	23.4	1,086	26.0	1,207	34,670	1.731
5744	425	CP	LFNGC	18.0	889	20.0	988	29,210	1.731

Standard Loads

No. 9	325	HDY	XTP	27.0	1,430	30.0	1,589	49,340	1.739
No. 9	400	HDY	XTP	21.2	1,227	23.5	1,363	48,610	1.739
4100	325	HDY	XTP	28.6	1,510	31.8	1,678	48,935	1.753
4100	400	HDY	XTP	22.3	1,247	24.7	1,386	48,501	1.755

Lead Bullets

No. 9	355	TS	WFPGC	26.1	1,436	29.0	1,596	49,010	1.775
No. 9	375	CP	LFNGC	23.9	1,356	26.5	1,507	49,940	1.740
No. 9	395	CP	WLNGC	22.0	1,290	24.4	1,433	47,890	1.794
No. 9	405	MTB	KSPB	21.4	1,258	23.8	1,398	49,600	1.821
No. 9	410	CP	WFNGC	21.4	1,253	23.8	1,392	49,900	1.739
No. 9	420	CP	LFNPB	20.9	1,228	23.2	1,364	49,690	1.808
No. 9	425	MT	HUNT	21.2	1,298	23.5	1,442	49,720	1.764
No. 9	425	CP	LFNGC	18.9	1,134	21.0	1,260	43,360	1.731
4100	355	TS	WFNGC	27.0	1,435	30.0	1,595	48,541	1.770
4100	375	CP	LFNGC	24.8	1,363	27.6	1,515	49,073	1.725
4100	395	CP	WLNGC	25.2	1,355	28.0	1,506	49,083	1.794
4100	405	MT-B	KSPB	23.0	1,279	25.5	1,422	47,970	1.821
4100	410	CP	WFNGC	22.7	1,263	25.2	1,404	48,078	1.747
4100	425	CP	LFNGC	20.6	1,199	22.9	1,333	48,777	1.730

Copper Bullets

No. 9	275	BAR	XPB	27.9	1,559	31.0	1,732	48,540	1.814
4100	275	BAR	XPB	28.6	1,539	31.8	1,710	46,719	1.814

475 Maximum

Barrel: 7.9" ■ Twist: 1-18" ■ Primer: CCI 350 ■ Bullet Dia - .475"

Lead Bullets

5744	355	TS	WNFPGC	34.2	1,416	38.0	1,573	49,000	1.970
5744	405	MTB	KSPB	30.9	1,314	34.3	1,460	49,460	2.025
5744	425	CP	LFNGC	28.1	1,219	31.2	1,354	49,120	1.935
No. 9	355	TS	WNFPGC	26.6	1,448	29.6	1,609	49,020	1.970
No. 9	375	CP	LFNGC	24.8	1,377	27.6	1,530	49,960	1.940
No. 9	405	MTB	KSPB	24.3	1,331	27.0	1,479	48,610	2.025
No. 9	425	CP	LFNGC	22.5	1,260	25.0	1,400	49,730	1.935

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)
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500 S&W

Barrel: 8.37" ■ Twist: 1-18" ■ Primer: WLR ■ Bullet Dia: 0.500"

Reduced Loads, Lead Bullets

5744 370 CP WFNGC 32.0 1,204

Jacketed Bullets:

5744	350	SIE	JHP	40.0	1,480	44.0	1,620	43,500	2.060
5744	400	SIE	JSP	37.0	1,385	41.0	1,520	43,200	2.060
No. 9	350	SIE	JHP	32.8	1,610	36.5	1,790	56,500	2.060
No. 9	400	SIE	JSP	31.0	1,490	34.5	1,670	57,500	2.060
4100	350	SIE	JHP	38.7	1,680	43.0	1,875	57,500	2.060
4100	400	SIE	JSP	35.0	1,510	40.0	1,700	57,800	2.060
1680	400	SIE	JSP	40.5	1,305	45.0	1,454	29,400	2.060

Lead Bullets

5744	370	CP	WFNGC	38.3	1,432	42.5	1,566	41,800	2.020
5744	440	CP	WFNGC	34.4	1,300	38.0	1,424	43,100	2.020
No. 9	370	CP	WFNGC	32.0	1,550	35.0	1,700	56,000	2.020
No. 9	440	CP	WFNGC	27.0	1,325	30.5	1,490	56,000	2.020
4100	370	CP	WFNGC	39.0	1,650	43.5	1,825	56,000	2.020
4100	440	CP	WFNGC	33.0	1,420	37.0	1,650	57,000	2.020
1680	370	CP	WFNGC	43.0	1,375	47.5	1,550	37,000	2.020
1680	440	CP	WFNGC	38.7	1,267	43.0	1,458	35,000	2.020

Copper Bullets

5744	325	BAR	XPB	39.0	1,520	43.0	1,700	41,500	2.292
5744	375	BAR	XPB	34.0	1,376	37.5	1,500	43,500	2.292
No. 9	275	BAR	XPB	34.2	1,845	38.0	2,050	53,000	2.085
No. 9	325	BAR	XPB	32.0	1,620	36.0	1,800	54,000	2.292
No. 9	375	BAR	XPB	29.0	1,460	32.5	1,650	57,000	2.292
4100	325	BAR	XPB	38.0	1,680	42.0	1,820	57,000	2.292
4100	375	BAR	XPB	33.0	1,475	37.5	1,665	57,000	2.292
1680	375	BAR	XPB	38.0	1,250	42.0	1,450	36,500	2.292

500 Linebaugh

Barrel: 7.87" ■ Twist: 1-18" ■ Primer: CCI 350 ■ Bullet Dia: 0.511"

Lead Bullets

No. 9	350	CP	WFNGC	26.6	1,337	29.5	1,485	34,120	1.737
No. 9	435	CP	WFNGC	23.9	1,192	26.5	1,324	34,170	1.742
No. 9	520	CP	LFNGC	19.8	1,027	22.0	1,141	34,040	1.860
No. 9	525	CP	WFNGC	18.2	980	20.2	1,089	34,330	1.793
4100	350	CP	WFNGC	27.2	1,315	30.2	1,461	30,978	1.737
4100	435	CP	WFNGC	24.3	1,189	27.0	1,321	33,667	1.742
4100	520	CP	LFNGC	20.6	1,027	22.8	1,141	33,657	1.860
4100	525	CP	WFNGC	18.9	992	21.0	1,102	33,973	1.793
5744	350	CP	WFNGC	32.4	1,253	36.0	1,392	34,288	1.737
5744	435	CP	WFNGC	28.4	1,118	31.6	1,242	34,290	1.742
5744	520	CP	LFNGC	24.0	972	26.7	1,080	34,140	1.860
5744	525	CP	WFNGC	21.6	908	24.0	1,009	33,710	1.793

500 Maximum

Barrel: 7.87" ■ Twist: 1-18" ■ Primer: CCI 350 ■ Bullet Dia: 0.511"

Lead Bullets

5744	350	CP	WFNGC	38.2	1,358	42.4	1,509	33,880	1.935
5744	435	CP	WFNGC	33.8	1,204	37.5	1,338	33,510	1.975
5744	525	CP	WFNGC	27.0	1,023	30.0	1,137	33,710	2.000
1680	435	CP	WFNGC	45.0	1,399	50.0	1,554	33,610	1.975
1680	525	CP	WFNGC	34.0	1,159	37.8	1,288	33,750	2.000

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)
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17 Remington Fireball

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WSR ■ Bullet Dia. .172"

2015	20	HDY	V-MAX	16.7	3,541	18.5	3,934	53,010	1.808
2015	25	HDY	V-MAX	15.9	3,248	17.7	3,609	53,960	1.808
2230	20	HDY	V-MAX	18.3	3,754	20.3	4,171	52,930	1.808
2230	25	HDY	V-MAX	17.3	3,419	19.2	3,799	53,250	1.808
2460	20	HDY	V-MAX	18.5	3,677	20.5	4,086	52,660	1.808
2460	25	HDY	V-MAX	17.5	3,392	19.4	3,769	53,150	1.808
2520	20	HDY	V-MAX	18.9	3,560	21.0	3,955	44,540	1.808
2520	25	HDY	V-MAX	18.6	3,399	20.7	3,777	51,840	1.808

17 Remington

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 205 ■ Bullet Diameter .172"

2495	25	HDY	HP	20.7	3,569	23.0	4,056	60,298	2.170
2520	25	HDY	HP	20.4	3,496	22.7	3,973	60,888	2.170
4064	25	HDY	HP	21.6	3,592	24.0	4,045	59,118	2.170
2700	25	HDY	HP	25.7	3,838	27.0	4,083	58,882	2.170

20 Vartarg

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

1680	32	SIE	BK	16.6	3,437	18.5	3,793	62,900	1.855
1680	40	HDY	V-MAX	15.5	3,089	17.3	3,392	62,925	1.825
2230	32	SIE	BK	18.1	3,182	20.1	3,535	54,000	1.825
2230	40	HDY	V-MAX	17.5	2,982	19.4	3,291	58,000	1.825

20 Vartarg Turbo

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

2015	32	SIE	BK	20.1	3,322	22.3	3,649	53,900	2.000
2015	40	HDY	V-MAX	19.9	3,246	22.1	3,528	62,875	2.030
2230	32	SIE	BK	22.1	3,663	24.5	3,954	62,910	2.000
2230	40	HDY	V-MAX	21.4	3,349	23.7	3,659	62,875	2.030

20 Tactical

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

2015	32	SIE	BK	22.8	3,548	25.4	3,886	63,000	2.200
2015	40	HDY	V-MAX	21.3	3,204	23.7	3,553	62,900	2.240
2230	32	SIE	BK	23.6	3,671	26.2	3,975	62,975	2.200
2230	40	HDY	V-MAX	22.2	3,373	24.7	3,628	62,900	2.240
2520	32	SIE	BK	25.2	3,795	28.0	4,074	62,870	2.200
2520	40	HDY	V-MAX	24.3	3,550	27.0	3,835	62,980	2.240
2520	50	BRGR	LTB	22.5	3,124	25.0	3,426	62,965	2.240

204 Ruger

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

2015	32	SIE	BK	23.9	3,490	26.5	3,878	57,300	2.250
2015	39	SIE	BK	22.5	3,188	25.0	3,543	59,100	2.260
2230	26	BAR	VG	26.7	4,050	29.7	4,435	59,350	2.250
2230	32	HDY	V-MAX	24.7	3,564	27.5	3,960	56,300	2.250
2230	40	HDY	V-MAX	23.4	3,270	26.0	3,633	56,300	2.260
2520	26	BAR	VG	28.8	4,030	32.0	4,466	59,260	2.250
2520	32	HDY	V-MAX	26.6	3,680	29.5	4,089	59,000	2.250
2520	40	HDY	V-MAX	25.2	3,386	28.0	3,762	59,900	2.260

20 PPC (59,000 psi Standard Loads)

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

2495	32	SIE	BK	25.8	3,692	28.7	3,966	57,950	1.947
2495	40	HDY	V-MAX	24.9	3,423	27.7	3,719	57,900	1.955
2495	50	BGR	LTB	22.2	3,031	24.7	3,305	57,875	1.995
2520	32	SIE	BK	27.9	3,822	31.0	4,243	58,000	1.947
2520	40	HDY	V-MAX	26.3	3,590	29.2	3,925	57,925	1.955
2520	50	BGR	LTB	24.4	3,233	27.1	3,527	57,975	1.995

20 PPC (63,000 psi)

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"

2495	50	BGR	LTB	22.2	3,031	25.3	3,375	62,975	1.995
2520	50	BGR	LTB	25.0	3,293	27.8	3,598	62,950	1.995

The best varmint loads in the field!





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)
20 BR (59,000 psi Standard Loads)									
Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"									
2495	32	SIE	BK	27.9	3,775	31.0	4,085	57,950	1.992
2495	40	HDY	V-MAX	27.0	3,636	30.0	3,761	57,900	2.000
2495	50	BGR	LTB	24.5	3,159	27.2	3,405	57,875	2.020
2520	32	SIE	BK	29.2	3,899	32.5	4,304	58,000	1.992
2520	40	HDY	V-MAX	27.6	3,662	30.7	3,952	57,925	2.000
4064	40	HDY	V-MAX	28.3	3,498	31.4	3,834	57,975	2.000
4064	50	BGR	LTB	26.4	3,188	29.3	3,468	57,850	2.020
2700	50	BGR	LTB	29.9	3,228	33.3	3,563	57,825	2.020

20 BR (63,000 psi)

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WSR ■ Bullet Diameter .204"									
2495	32	SIE	BK	28.9	3,873	32.1	4,200	62,950	1.992
2495	40	HDY	V-MAX	28.2	3,685	31.3	3,816	62,900	2.000
2495	50	BGR	LTB	25.5	3,243	28.3	3,504	63,000	2.020
2520	32	SIE	BK	29.9	3,972	33.2	4,392	62,910	1.992
2520	40	HDY	V-MAX	28.4	3,662	31.6	4,035	62,550	2.000

22 HORNET (0.224 Diameter Bore)

Barrel: 20" ■ Twist: 1-14" ■ Primer: REM 6 ½" ■ Bullet Diameter .224"									
5744	40	NOS	B-TIP	9.2	2,092	9.8	2,307	48,734	1.855
5744	40	SIE	HORNET	8.7	1,943	9.7	2,208	50,740	1.715
5744	50	HDY	SPSX	8.1	1,717	9.0	1,951	50,032	1.780
1680	35	HDY	V-MAX	12.1	2,516	13.5	2,860	49,442	1.775
1680	40	SIE	HORNET	12.6	2,451	14.0	2,785	50,740	1.715
1680	45	NOS	HORNET	11.1	2,194	12.3	2,493	48,026	1.720
1680	50	HDY	SPSX	10.4	2,105	11.5	2,392	50,032	1.780

222 Remington

Barrel: 24" ■ Twist: 1-14" ■ Primer: REM 7 ½" ■ Bullet Diameter .224"									
2015	40	NOS	B-TIP	20.7	3,085	23.0	3,422	45,700	2.120
2015	45	NOS	B-TIP	20.4	2,976	22.7	3,296	45,000	2.120
2015	50	HDY	SPSX	20.2	2,900	22.5	3,213	48,500	2.120
2015	55	SIE	SPBT	19.3	2,770	21.5	3,070	47,200	2.120
2015	60	SIE	HP	18.5	2,661	20.6	2,950	47,800	2.120
2230	40	NOS	B-TIP	22.2	3,038	24.7	3,410	48,600	2.120
2230	45	SIE	SPT	22.0	2,910	24.5	3,269	46,700	2.120
2230	50	HDY	SPSX	21.6	2,840	24.0	3,170	48,100	2.120
2230	55	SIE	SPBT	20.5	2,720	22.8	3,032	48,500	2.120
2230	60	SIE	HP	20.0	2,630	22.2	2,931	47,800	2.120
2460	40	HDY	B-TIP	22.5	3,045	25.0	3,425	48,500	2.120
2460	45	NOS	B-TIP	22.3	2,959	24.8	3,275	47,000	2.120
2460	50	HDY	SPSX	21.9	2,850	24.3	3,180	48,200	2.120
2460	55	SIE	SPBT	20.7	2,740	23.0	3,027	47,500	2.120
2460	60	SIE	HP	20.4	2,600	22.5	2,910	46,800	2.120
2520	55	SIE	SPBT	21.5	2,641	23.8	2,985	43,500	2.120
2520	60	SIE	HP	20.7	2,562	23.0	2,897	44,800	2.120

223 Remington

Barrel: 24" ■ Twist: 1-12" ■ Primer: WSR ■ Bullet Diameter .224"									
For shorter barrels reduce velocity below as follows(ca): 20" -3.9%/-130Fps/ 16" -9.0%/-300Fps									
5744	35	HDY	V-MAX	19.2	3,169	21.1	3,602	53,694	2.130
5744	40	NOS	B-TIP	18.5	3,025	20.6	3,439	54,810	2.260
5744	50	BAR	VAR	17.8	2,743	19.7	3,117	52,983	2.235
5744	53	HDY	HP	16.8	2,626	18.7	2,985	53,897	2.225
5744	55	SIE	SPT	16.8	2,612	18.7	2,968	54,990	2.230
2200	30	BAR	HP	24.9	3,833	27.7	4,189	54,780	2.100
2200	34	VNE	HP	24.3	3,682	27.0	4,024	53,730	2.125
2200	36	BAR	VG	23.8	3,518	26.4	3,863	54,789	2.190
2200	40	BRGR	FBHP	22.6	3,386	25.1	3,700	54,650	2.224
2200	40	HDY	V-Max	23.1	3,419	25.7	3,737	53,955	2.260
2200	40	NOS	B-TIP	22.9	3,386	25.4	3,701	53,740	2.260
2200	40	SIE	BK	22.9	3,400	25.4	3,716	54,356	2.260
2200	45	BAR	BND-S	23.3	3,343	25.9	3,654	54,621	2.220
2200	45	BAR	TSX-FB	22.6	3,247	25.1	3,549	54,550	2.220
2200	45	SIE	SPT-V	22.0	3,219	24.4	3,518	54,253	2.230
2200	50	BAR	TSX-FB	21.2	3,013	23.6	3,293	54,734	2.195
2200	50	BRGR	FBHP-V	21.0	3,025	23.3	3,306	54,023	2.260
2200	50	HDY	SP	21.5	3,063	23.9	3,348	54,621	2.235
2200	50	SIE	BK	22.1	3,111	24.6	3,400	53,998	2.260
2200	50	VNE	SP	20.7	3,056	23.0	3,340	53,260	2.187

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)
2200	52	NOS	HPBT-CC	21.4	3,011	23.8	3,291	53,429	2.236
2200	53	BAR	TSX-FB	20.7	2,936	23.0	3,209	54,316	2.213
2200	55	BAR	TSX-FB	20.0	2,798	22.2	3,058	53,713	2.190
2200	55	BRGR	FBHP-V	21.0	2,898	23.3	3,167	54,243	2.260
2200	55	HDY	SP	20.5	2,846	22.8	3,110	53,233	2.220
2200	55	NOS	B-TIP	21.1	2,904	23.4	3,174	52,974	2.260
2200	55	SIE	HPBT	20.6	2,890	22.9	3,159	54,159	2.175
2200	55	SIE	SBT	20.9	2,934	23.2	3,207	54,317	2.230
2200	55	VNE	HP	19.8	2,890	22.0	3,175	54,300	2.162
2200	55	VNE	SP	20.3	2,939	22.5	3,212	54,950	2.202
2200	60	NOS	PART	19.3	2,713	21.4	2,965	54,513	2.222
2200	60	SIE	HP	20.2	2,738	22.4	2,992	53,288	2.232
2015	30	BAR	HP	22.9	3,450	25.4	3,771	49,940	2.088
2015	34	VNE	HP	23.9	3,489	26.5	3,813	54,040	2.125
2015	40	BRGR	FBHP	22.5	3,220	25.0	3,519	53,060	2.210
2015	40	HDY	V-Max	22.9	3,288	25.4	3,593	54,890	2.260
2015	40	NOS	B-TIP	22.7	3,256	25.2	3,558	54,961	2.260
2015	40	SIE	BK	22.7	3,261	25.2	3,564	54,440	2.260
2015	45	BAR	BND-S	22.2	3,097	24.7	3,385	52,250	2.216
2015	45	BAR	TSX-FB	21.8	3,067	24.2	3,352	54,210	2.208
2015	45	SIE	SPT-V	21.8	3,088	24.2	3,375	54,980	2.222
2015	50	BAR	TSX-FB	20.8	2,855	23.1	3,120	53,830	2.184
2015	50	BRGR	FBHP-V	21.0	2,933	23.3	3,206	54,110	2.260
2015	50	HDY	SPSX	21.2	2,943	23.6	3,216	54,900	2.180
2015	50	HDY	V-Max	21.6	2,984	24.0	3,261	54,990	2.260
2015	50	HDY	SP	21.3	2,937	23.7	3,210	54,000	2.226
2015	50	SIE	Blitzking	21.6	2,964	24.0	3,239	53,750	2.260
2015	50	VNE	SP	21.4	2,965	23.8	3,240	53,550	2.187
2015	52	BRGR	FBHP-V	21.2	2,895	23.5	3,180	54,750	2.260
2015	52	NOS	HPBT-CC	21.2	2,906	23.6	3,176	54,080	2.226
2015	53	BAR	XFB	20.4	2,750	22.7	3,050	54,950	2.202
2015	55	BAR	TSX-FB	19.8	2,685	22.0	2,966	54,850	2.183
2015	55	BRGR	FBHP-V	20.9	2,795	23.2	3,075	54,750	2.244
2015	55	HDY	SPSX	20.3	2,750	22.5	3,005	53,010	2.195
2015	55	HDY	V-Max	20.3	2,735	22.5	3,025	54,800	2.260
2015	55	NOS	B-TIP	20.9	2,804	23.2	3,065	53,960	2.260
2015	55	SIE	HPBT	21.0	2,804	23.3	3,064	54,060	2.160
2015	55	SIE	SBT	20.8	2,823	23.1	3,085	54,540	2.215
2015	55	VNE	HP	20.6	2,800	22.9	3,095	54,900	2.162
2015	55	VNE	FMJ	21.1	2,880	23.4	3,148	53,920	2.223
2015	55	VNE	SP	20.7	2,815	23.0	3,077	52,830	2.203
2015	60	NOS	PART	19.4	2,628	21.5	2,872	54,050	2.205
2015	60	SIE	HP	20.3	2,691	22.6	2,941	54,990	2.232
2230	30	BAR	HP	26.1	3,687	29.0	4,029	51,560	2.088
2230	34	VNE	HP	26.6	3,665	29.5	4,006	53,570	2.125
2230	36	BAR	VG	25.6	3,510	28.5	3,820	53,086	2.190
2230	40	BRGR	FBHP	23.9	3,451	26.5	3,772	54,360	2.210
2230	40	HDY	V-Max	24.3	3,480	27.0	3,803	54,750	2.260
2230	40	NOS	B-TIP	24.3	3,435	27.0	3,754	53,760	2.260
2230	40	SIE	BK	24.3	3,459	27.0	3,780	54,640	2.260
2230	45	BAR	BND-S	24.3	3,309	27.0	3,616	54,650	2.216
2230	45	BAR	TSX-FB	24.1	3,276	26.8	3,580	54,560	2.208
2230	45	SIE	SPT-V	23.2	3,296	25.8	3,602	54,990	2.222
2230	50	BAR	VG	23.0	3,007	25.5	3,341	54,211	2.180
2230	50	BAR	TSX-FB	22.7	3,082	25.2	3,368	54,770	2.184
2230	50	BRGR	FBHP-V	22.1	3,122	24.6	3,412	54,890	2.260
2230	50	HDY	SPSX	22.1	3,093	24.5	3,380	54,740	2.180
2230	50	HDY	V-Max	22.2	3,115	24.7	3,404	53,460	2.260
2230	50	HDY	SP	22.4	3,128	24.9	3,419	54,760	2.226
2230	50	VNE	SP	22.5	3,114	25.0	3,403	54,490	2.187
2230	50	SIE	BK	22.9	3,143	25.4	3,435	54,160	2.260
2230	52	BRGR	FBHP-V	22.1	3,088	24.6	3,375	54,990	2.260
2230	52	NOS	CC	22.1	3,059	24.6	3,343	53,360	2.226
2230	53	BAR	TSX-FB	22.3	3,015	24.8	3,295	54,700	2.202
2230	55	BAR	TSX-FB	21.7	2,905	24.1	3,195	54,880	2.183
2230	55	BRGR	FBHP-V	21.3	2,965	23.7	3,240	54,960	2.244
2230	55	HDY	SPSX	21.4	2,949	23.8	3,223	54,100	2.195
2230	55	HDY	V-Max	21.2	2,936	23.5	3,209	54,210	2.260
2230	55	NOS	B-TIP	22.1	2,983	24.5	3,260	54,640	2.260
2230	55	SIE	SBT	22.1	3,028	24.5	3,309	54,925	2.215
2230	55	SIE	HPBT	22.2	3,007	24.7	3,286	54,760	2.160
2230	55	VNE	HP	21.6	2,943	24.0	3,216	53,220	2.162



RIFLE

223 Remington — continued

Barrel: 24" ■ Twist: 1-12" ■ Primer: WSR ■ Bullet Diameter .224"

For shorter barrels reduce velocity below as follows(ca): 20"-3.9%/-130Fps// 16"-9.0%/-300Fps

	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)
2230	55	VNE	FMJ	22.5	3,024	25.0	3,305	54,250	2.223
2230	55	VNE	SP	21.6	2,948	24.0	3,222	53,890	2.203
2230	60	NOS	PART	21.2	2,836	23.6	3,099	54,350	2.205
2230	60	SIE	HP	20.9	2,815	23.2	3,077	54,060	2.232
2460	34	VNE	HP	25.7	3,570	28.6	3,902	51,510	2.125
2460	40	BRGR	FBHP	25.0	3,463	27.8	3,785	54,950	2.224
2460	40	HDY	V-Max	24.7	3,428	27.4	3,746	53,590	2.260
2460	40	NOS	B-TIP	25.0	3,406	27.8	3,722	52,470	2.260
2460	40	SIE	BK	25.0	3,451	27.8	3,772	54,460	2.260
2460	45	BAR	TSX-FB	24.8	3,289	27.5	3,594	54,650	2.220
2460	45	SIE	SPT-V	23.6	3,260	26.2	3,563	54,280	2.230
2460	50	BAR	TSX-FB	23.4	3,110	26.0	3,399	54,710	2.195
2460	50	BRGR	FBHP-V	22.1	3,040	24.6	3,350	54,950	2.260
2460	50	HDY	SPSX	22.1	3,066	24.5	3,351	53,410	2.185
2460	50	HDY	V-Max	22.7	3,129	25.2	3,420	54,925	2.235
2460	50	VNE	SP	22.9	3,092	25.4	3,379	54,690	2.187
2460	50	SIE	BK	23.4	3,069	26.0	3,382	54,500	2.260
2460	52	BRGR	FBHP-V	21.8	3,003	24.2	3,282	54,570	2.255
2460	52	NOS	HPBT-CC	22.7	2,992	25.2	3,310	54,925	2.236
2460	53	BAR	TSX-FB	22.9	3,013	25.4	3,293	54,050	2.213
2460	55	BAR	TSX-FB	22.0	2,887	24.4	3,155	53,320	2.190
2460	55	BRGR	FBHP-V	20.9	2,886	23.2	3,154	54,340	2.260
2460	55	HDY	V-Max	21.8	2,914	24.2	3,185	54,980	2.260
2460	55	NOS	B-TIP	22.9	2,990	25.4	3,268	54,890	2.260
2460	55	SIE	HPBT	23.0	3,010	25.5	3,290	55,520	2.175
2460	55	SIE	SBT	22.1	2,967	24.6	3,243	54,340	2.230
2460	55	VNE	HP	21.9	2,925	24.3	3,197	53,660	2.162
2460	55	VNE	FMJ	22.9	3,018	25.4	3,298	54,950	2.223
2460	55	VNE	SP	21.9	2,936	24.3	3,209	54,960	2.203
2460	60	NOS	PART	21.2	2,792	23.6	3,051	53,890	2.205
2460	60	SIE	HP	21.2	2,793	23.6	3,053	53,970	2.232
2520	50	SIE	BK	24.8	3,149	27.5	3,441	53,870	2.260
2520	50	VNE	SP	24.3	3,142	27.0	3,434	53,670	2.187
2520	52	BRGR	FBHP-V	23.4	3,052	26.0	3,335	54,890	2.260
2520	52	NOS	HPBT-CC	24.7	3,100	27.4	3,388	54,130	2.226
2520	53	BAR	XFB	25.0	3,044	27.8	3,327	52,700	2.202
2520	55	BAR	TSX-FB	24.1	2,959	26.8	3,234	54,070	2.183
2520	55	BRGR	FBHP-V	22.7	2,931	25.2	3,203	54,010	2.244
2520	55	HDY	V-Max	23.0	2,934	25.6	3,207	54,070	2.260
2520	55	NOS	B-TIP	24.0	3,000	26.7	3,311	54,970	2.260
2520	55	SIE	HPBT	24.1	2,985	26.8	3,295	54,870	2.160
2520	55	SIE	SBT	24.0	3,012	26.7	3,292	54,070	2.215
2520	55	VNE	HP	23.4	2,998	26.0	3,276	54,970	2.162
2520	55	VNE	SP	22.7	2,952	25.2	3,226	53,560	2.203
2520	60	NOS	PART	23.0	2,856	25.6	3,121	54,500	2.205
2520	60	SIE	HP	22.5	2,826	25.0	3,089	54,200	2.232

Italics = Compressed load

Heavy/long bullets

Barrel: 24" ■ Twist: 1-7" or 1-9"

2200	55	BAR	MPG	19.0	2,745	21.1	2,977	54,000	2.180
2200	62	MIL	M855	19.5	2,750	21.7	3,011	54,950	2.260
2200	62	MIL	FMJ	19.4	2,698	21.5	2,998	53,907	2.223
2200	62	BAR	TSX	19.5	2,741	21.6	3,010	54,882	2.255
2200	65	SIE	SBT	18.7	2,675	20.7	2,893	54,632	2.210
2200	69	SIE	HPBT	18.5	2,613	20.6	2,822	54,960	2.245
2200	70	BAR	TSX	18.0	2,566	20.0	2,778	54,960	2.260
2200	75	HDY	HPBT	18.5	2,493	20.6	2,720	54,404	2.260
2200	77	SIE	HPBT	17.6	2,395	19.6	2,618	54,622	2.260
2200	80	SIE	HPBT	18.8	2,414	20.9	2,641	54,454	2.260
2200	90	SIE	HPBT	18.1	2,235	20.1	2,446	54,719	2.260
2015	62	MIL	M855	20.4	2,660	22.7	2,916	54,517	2.260
2015	62	MIL	FMJ	20.3	2,685	22.6	2,928	55,000	2.223
2015	62	BAR	TSX	20.5	2,669	22.8	2,935	54,882	2.255
2015	65	SIE	SBT	19.6	2,562	21.8	2,806	53,813	2.210
2015	69	SIE	HPBT	19.7	2,524	21.8	2,762	54,930	2.245
2015	70	BAR	TSX	19.0	2,441	21.1	2,690	53,972	2.260
2015	75	HDY	HPBT	19.1	2,425	21.2	2,652	54,918	2.260
2015	77	SIE	HPBT	18.5	2,333	20.5	2,553	54,702	2.260

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2015	80	SIE	HPBT	19.5	2,349	21.7	2,582	54,655	2.260
2015	90	SIE	HPBT	19.0	2,198	21.1	2,400	54,520	2.260
2230	55	BAR	MPG	23.3	2,946	25.9	3,186	54,900	2.180
2230	62	MIL	M855	21.4	2,785	23.8	3,050	54,137	2.260
2230	62	MIL	FMJ	21.2	2,791	23.6	3,072	55,000	2.223
2230	62	BAR	TSX	22.1	2,833	24.5	3,100	54,001	2.255
2230	65	SIE	SBT	21.0	2,738	23.4	2,982	54,399	2.210
2230	69	SIE	HPBT	20.7	2,666	23.1	2,895	54,430	2.245
2230	70	BAR	TSX	21.0	2,670	23.3	2,904	54,636	2.260
2230	75	HDY	HPBT	20.4	2,563	22.7	2,794	54,279	2.260
2230	77	SIE	HPBT	20.0	2,531	22.2	2,731	54,300	2.260
2230	80	SIE	HPBT	20.8	2,528	23.1	2,732	54,440	2.260
2230	90	SIE	HPBT	19.6	2,393	21.8	2,542	54,675	2.260
2460	62	MIL	M855	22.1	2,741	24.6	3,046	54,257	2.260
2460	62	MIL	FMJ	21.6	2,741	24.0	3,045	54,527	2.223
2460	62	BAR	TSX	22.7	2,861	25.2	3,132	54,622	2.255
2460	65	SIE	SBT	21.7	2,773	24.2	3,020	54,833	2.210
2460	69	SIE	HPBT	21.1	2,671	23.4	2,907	54,250	2.245
2460	70	BAR	TSX	21.1	2,664	23.4	2,900	54,662	2.260
2460	75	HDY	HPBT	21.0	2,574	23.3	2,813	54,174	2.260
2460	77	SIE	HPBT	20.4	2,532	22.6	2,743	54,100	2.260
2460	80	SIE	HPBT	21.0	2,509	23.3	2,729	54,108	2.260
2460	90	SIE	HPBT	19.7	2,363	21.9	2,537	54,116	2.260
2520	62	MIL	M855	23.9	2,855	26.5	3,127	54,367	2.260
2520	62	MIL	FMJ	23.0	2,841	25.6	3,113	54,677	2.223
2520	62	BAR	TSX	24.1	2,864	26.8	3,140	52,580	2.255
2520	65	SIE	SBT	22.7	2,777	25.2	3,011	52,777	2.210
2520	69	SIE	HPBT	22.0	2,680	24.4	2,931	54,640	2.260
2520	70	BAR	TSX	22.4	2,675	24.9	2,931	54,759	2.260
2520	75	HDY	HPBT	22.2	2,610	24.7	2,863	54,602	2.260
2520	77	SIE	HPBT	21.7	2,553	24.1	2,785	54,800	2.260
2520	80	SIE	HPBT	22.4	2,536	24.9	2,792	54,926	2.260
2520	90	SIE	HPBT	21.2	2,374	23.6	2,586	54,416	2.260

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Application: Bolt Action Rifles and Semi Auto Weapons rated for the latest NATO/MIL ammunition.

2200	55	BAR	MPG	20.4	2,900	22.6	3,151	61,225	2.180
2200	62	MIL	FMJ	20.3	2,856	22.5	3,126	61,347	2.223
2015	62	MIL	M855	21.3	2,765	23.7	3,020	62,000	2.260
2015	62	MIL	FMJ	21.2	2,785	23.5	3,053	61,247	2.223
2015	62	BAR	TSX	21.8	2,842	24.2	3,105	61,998	2.255
2015	65	SIE	SBT	20.9	2,703	23.2	2,965	61,226	2.210
2015	69	SIE	HPBT	20.8	2,652	23.2	2,905	61,877	2.245
2015	70	BAR	TSX	20.2	2,599	22.4	2,853	61,475	2.260
2015	75	HDY	HPBT	20.3	2,557	22.6	2,799	62,306	2.260
2015	77	SIE	HPBT	19.5	2,446	21.7	2,680	61,562	2.260
2015	80	SIE	HPBT	20.8	2,499	23.1	2,734	62,003	2.260
2015	90	SIE	HPBT	20.3	2,320	22.5	2,536	61,913	2.260
2230	62	MIL	M855	22.8	2,925	25.3	3,200	61,487	2.260
2230	62	MIL	FMJ	22.3	2,922	24.8	3,203	61,797	2.223
2230	62	BAR	TSX	23.7	3,009	26.4	3,296	61,799	2.255
2230	65	SIE	SBT	22.5	2,887	25.0	3,148	61,192	2.210
2230	69	SIE	HPBT	22.3	2,824	24.8	3,071	62,009	2.260
2230	70	BAR	TSX	22.8	2,855	25.4	3,111	62,222	2.260
2230	75	HDY	HPBT	22.2	2,738	24.6	2,989	62,297	2.260
2230	77	SIE	HPBT	21.3	2,625	23.7	2,868	61,250	2.260
2230	80	SIE	HPBT	22.4	2,670	24.9	2,895	61,442	2.260
2230	90	SIE	HPBT	21.5	2,523	23.9	2,690	62,035	2.260
2460	62	MIL	M855	24.1	2,950	26.8	3,226	61,897	2.260
2460	62	MIL	FMJ	22.9	2,895	25.4	3,175	62,150	2.223
2460	62	BAR	TSX	24.2	3,030	26.9	3,320	61,773	2.



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)
Heavy/long bullets – Continued									
Barrel: 24" ■ Twist: 1-7" or 1-9"									
2520	65	SIE	SBT	24.9	2,982	27.6	3,239	61,238	2.210
2520	69	SIE	HPBT	23.2	2,780	25.8	3,061	62,240	2.260
2520	70	BAR	TSX	23.9	2,826	26.6	3,103	61,552	2.260
2520	75	HDY	HPBT	23.7	2,764	26.4	3,039	61,890	2.260
2520	77	SIE	HPBT	23.0	2,674	25.5	2,925	62,200	2.260
2520	80	SIE	HPBT	23.8	2,671	26.4	2,949	61,844	2.260
2520	90	SIE	HPBT	22.3	2,467	24.8	2,701	60,052	2.260

Italics = Compressed load

223 Remington-LT - "Long Throat"

Only useable in barrels that have been specially adapted to accept the longer COL.

Application: Strong action target rifles for long range PALMA style shooting.

Barrel: 24" ■ Twist: 7" to 8" ■ Primer: WSR ■ Bullet Diameter .224"									
2230	80	BRGR	VLD	21.2	2,596	23.5	2,840	62,000	2.510
2230	80	NOS	HPBT	21.1	2,597	23.5	2,831	62,228	2.545
2230	80	SIE	HPBT	21.1	2,590	23.5	2,833	62,125	2.535
2230	90	SIE	HPBT	20.2	2,409	22.4	2,639	62,306	2.540
2495	80	BRGR	VLD	22.2	2,584	24.7	2,831	62,009	2.510
2495	80	NOS	HPBT	22.5	2,611	25.0	2,853	62,162	2.545
2495	80	SIE	HPBT	22.3	2,590	24.8	2,832	62,231	2.535
2495	90	SIE	HPBT	21.4	2,414	23.8	2,641	62,277	2.540
2520	80	BRGR	VLD	22.9	2,658	25.4	2,910	62,153	2.510
2520	80	NOS	HPBT	23.0	2,665	25.5	2,908	61,973	2.545
2520	80	SIE	HPBT	22.9	2,658	25.4	2,898	61,861	2.535
2520	90	SIE	HPBT	21.7	2,463	24.1	2,694	61,744	2.540

Italics = Compressed load

22-250 Remington

Barrel: 24" ■ Twist: 1-14" ■ Primer: WIN WLR ■ Bullet Diameter .224"									
2460	40	NOS	B-TIP	33.7	3,663	37.5	4,163	60,500	2.405
2460	45	BRGR	HP	32.4	3,392	36.0	3,854	58,800	2.305
2460	50	BAR	VAR	32.9	3,371	36.5	3,831	61,900	2.350
2460	53	HDY	HP	31.5	3,194	35.0	3,629	58,600	2.380
2460	55	SIE	BK	32.4	3,230	36.0	3,670	62,300	2.370
2520	40	BAR	VAR	34.6	3,673	38.5	4,174	61,800	2.405
2520	45	BRGR	HP	33.8	3,412	37.5	3,877	58,800	2.305
2520	50	SIE	BK	33.3	3,361	37.0	3,819	63,100	2.350
2520	53	HDY	HP	32.0	3,167	35.5	3,599	56,400	2.380
2520	55	NOS	B-TIP	32.4	3,172	36.0	3,605	59,700	2.370
4064	40	SIE	BK	35.5	3,526	39.5	4,007	54,800	2.260
4064	45	BRGR	HP	35.1	3,426	39.0	3,894	56,100	2.300
4064	50	HDY	V-MAX	34.2	3,340	38.0	3,796	59,300	2.350
4064	53	SIE	HP	33.7	3,314	37.5	3,767	64,400	2.380
4064	55	HDY	V-MAX	33.3	3,236	37.0	3,678	59,500	2.370
4064	60	NOS	PART	32.4	3,086	36.0	3,507	58,700	2.400
4064	63	SIE	SP	31.0	2,983	34.5	3,390	59,000	2.325
4064	70	BRGR	HP	29.0	2,833	32.2	3,220	64,500	2.325
4064	80	SIE	HPBT	29.2	2,662	32.5	3,026	62,000	2.610
2700	50	BAR	VAR	39.0	3,461	41.0	3,682	56,000	2.350
2700	53	HDY	HP	39.0	3,404	41.0	3,621	59,300	2.380
2700	55	SIE	SPT	38.0	3,436	40.0	3,655	60,700	2.370
2700	60	HDY	V-MAX	36.1	3,269	38.0	3,478	61,100	2.400
2700	63	SIE	SP	35.6	3,199	37.5	3,408	60,900	2.325
2700	70	BRGR	HP	32.8	2,934	34.5	3,121	58,900	2.325
2700	80	NOS	HPBT	32.3	2,804	34.0	2,983	58,600	2.610

220 Swift

Barrel: 24" ■ Twist: 1-14" ■ Primer: FED 210 ■ Bullet Diameter .224"									
4064	40	NOS	B-TIP	35.1	3,573	39.0	4,061	58,056	2.680
4064	50	BAR	VAR	35.1	3,381	39.0	3,843	60,180	2.680
4064	55	SIE	BK	33.3	3,138	37.0	3,566	61,596	2.680
2700	40	SIE	BK	42.3	3,884	47.0	4,414	61,000	2.680
2700	50	HDY	V-MAX	42.8	3,793	45.0	4,035	62,500	2.680
2700	55	NOS	B-TIP	41.3	3,602	43.5	3,832	57,000	2.680
2700	60	HDY	V-MAX	39.9	3,391	42.0	3,607	59,700	2.680
2700	63	SIE	SP	39.0	3,494	41.0	3,717	63,400	2.660
2700	70	BRGR	HP	37.1	3,229	39.0	3,435	64,000	2.660

RIFLE

223 Winchester Super Short Magnum (WSSM)

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WLR ■ Bullet Diameter .224"									
4064	55	NOS	B-TIP	37.8	3,351	42.0	3,723	63,700	2.197
4064	69	SIE	HPBT	35.8	3,069	39.8	3,410	63,800	2.230
2700	55	SIE	BK	43.2	3,465	48.0	3,850	59,600	2.197
2700	69	NOS	HPBT	40.1	3,164	44.5	3,516	62,800	2.230
4350	55	SIE	BK	42.3	3,458	47.0	3,842	59,300	2.197
4350	69	NOS	HPBT	40.1	3,230	44.5	3,589	64,132	2.230

6mm PPC

Barrel: 24" ■ Twist: 1-14" ■ Primer: REM 7 1/2" ■ Bullet Diameter .243"									
2015	60	BRGR	HP	24.5	2,783	27.2	3,163	49,200	2.050
2015	70	SIE	HPBT	24.3	2,602	27.0	2,957	46,000	2.080
2230	60	BRGR	HP	26.6	2,794	29.5	3,175	49,500	2.050
2230	70	BRGR	HP	25.7	2,573	28.5	2,924	49,000	2.080
2460	60	SIE	HP	27.0	2,816	30.0	3,200	48,800	2.050
2460	70	BRGR	HP	26.6	2,623	29.5	2,981	46,600	2.080
2495	60	SIE	HP	25.7	2,794	28.5	3,175	50,000	2.050

6mmX45

Barrel: 24" ■ Twist: 1-10" ■ Primer: WSR ■ Bullet Diameter .243"									
For shorter barrels reduce velocity below as follows(ca): 20" -3.5%/-105Fps// 16" -8.2%/-244Fps									
2200	55	NOS	B-Tip	25.1	3,221	27.9	3,536	54,668	2.260
2200	55	SIE	BK	24.9	3,188	27.7	3,519	54,386	2.260
2200	58	HDY	V-Max	23.3	3,094	25.9	3,370	54,472	2.260
2200	60	BRGR	Match-V	23.9	3,053	26.5	3,347	54,551	2.260
2200	62	BAR	VG	22.3	2,851	24.8	3,170	53,999	2.260
2200	65	HDY	V-Max	22.1	2,892	24.6	3,169	54,780	2.260
2200	70	SIE	HPBT	22.3	2,835	24.8	3,110	54,873	2.260
2200	75	HDY	HP	21.3	2,684	23.6	2,935	54,993	2.260
2200	75	HDY	V-Max	21.2	2,697	23.6	2,959	54,663	2.260
2200	75	SIE	HP	20.6	2,634	22.9	2,883	54,111	2.260
2200	80	HDY	FMJ	20.6	2,545	22.9	2,802	54,882	2.260
2200	80	NOS	B-Tip	21.1	2,572	23.5	2,847	54,133	2.260
2200	85	BAR	TSX	20.3	2,456	22.5	2,693	54,448	2.260
2200	85	SIE	HPBT	20.1	2,471	22.3	2,741	54,686	2.260
2200	87	HDY	V-Max	20.3	2,485	22.5	2,727	54,552	2.260
2200	90	SIE	FMJ	19.9	2,418	22.1	2,669	54,353	2.260
2200	95	NOS	B-Tip	19.8	2,360	22.0	2,574	54,226	2.260
2200	100	BRGR	BTT	19.4	2,322	21.6	2,532	54,966	2.260
2230	55	NOS	B-Tip	25.6	3,124	28.4	3,389	51,647	2.260
2230	55	SIE	BK	25.5	3,116	28.4	3,388	51,106	2.260
2230	58	HDY	V-Max	25.0	3,081	27.8	3,340	54,028	2.260
2230	60	BRGR	Match-V	25.2	3,058	28.0	3,320	54,129	2.260
2230	62	BAR	VG	23.1	2,683	25.6	2,953	45,126	2.260
2230	65	HDY	V-Max	24.1	2,903	26.8	3,153	54,259	2.260
2230	70	SIE	HPBT	24.3	2,882	26.9	3,117	54,404	2.260
2230	75	HDY	HP	23.0	2,702	25.6	2,932	54,427	2.260
2230	75	HDY	V-Max	23.6	2,754	26.2	3,000	54,622	2.260
2230	75	SIE	HP	22.0	2,646	24.5	2,890	54,609	2.260
2230	80	HDY	FMJ	22.3	2,598	24.7	2,833	54,732	2.260
2230	80	NOS	B-Tip	23.4	2,632	26.0	2,899	54,235	2.260
2230	85	BAR	TSX	22.2	2,468	24.7	2,726	54,983	2.260
2230	85	SIE	HPBT	21.8	2,548	24.2	2,770	54,244	2.260
2230	87	HDY	V-Max	22.0	2,517	24.4	2,770	54,709	2.260
2230	90	SIE	FMJ	21.9	2,500	24.3	2,727	54,894	2.260
2230	95	NOS	B-Tip	21.3	2,358	23.7	2,585	54,433	2.260
2230	100	BRGR	BTT	21.1	2,342	23.4	2,556	54,099	2.260

6mm BR Remington

Barrel: 24" ■ Twist: 1-14" ■ Primer: FED 205 ■ Bullet Diameter .243"									
2015	58	HDY	V-MAX	27.5	3,055	30.5	3,472	52,700	2.125
2015	70	NOS	B-TIP	27.5	2,887	30.5	3,281	52,900	2.170
2015	80	SIE	BK	26.1	2,679	29.0	3,044	50,200	2.120
2230	60	SIE	HP	30.2	3,008	33.5	3,418	49,400	2.125
2230	70	BRGR	HP	29.3	2,865	32.5	3,256	52,500	2.170
2460	60	BRGR	HP	31.1	3,082	34.5	3,502	51,600	2.125
2460	70	SIE	HPBT	29.7	2,882	33.0	3,275	51,600	2.170
2495	60	SIE	HP	29.7	2,983	33.0	3,390	46,700	2.125
2495	70	NOS	B-TIP	28.4	2,871	31.5	3,262	50,500	2.170
2520	60	SIE	HP	31.5	3,047	35.0	3,462	50,500	2.125
2520	70	NOS	B-TIP	30.6	2,889	34.0	3,283	51,900	2.170
2520	80	BRGR	HP	29.7	2,746	33.0	3,121	51,200	2.120



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)
243 Winchester									
Barrel: 24" ■ Twist: 1-10" ■ Primer: REM 9 ½ ■ Bullet Diameter .243"									
2700	55	NOS	B-TIP	43.6	3,364	48.5	3,823	59,118	2.605
2700	58	HDY	V-MAX	41.9	3,225	46.5	3,665	59,944	2.580
2700	70	SIE	BK	40.5	3,078	45.0	3,498	59,118	2.650
2700	80	NOS	B-TIP	39.9	3,039	42.0	3,233	59,472	2.700
2700	85	SIE	SPT	39.0	2,952	41.0	3,140	58,056	2.660
2700	95	HDY	SST	37.1	2,740	39.0	2,915	58,646	2.700
2700	100	SIE	SBT	34.2	2,588	36.0	2,753	56,994	2.700
3100	85	SIE	HPBT	41.4	2,756	46.0	3,132	55,224	2.660
3100	95	NOS	B-TIP	39.6	2,649	44.0	3,010	58,174	2.700
3100	100	SIE	SBT	38.7	2,610	43.0	2,966	59,987	2.700
4350	55	NOS	B-TIP	42.7	3,094	47.5	3,516	50,386	2.605
4350	58	BAR	VAR	43.2	3,196	48.0	3,632	56,994	2.580
4350	70	NOS	B-TIP	43.2	3,107	48.0	3,531	56,168	2.650
4350	80	SIE	SPT	39.6	2,918	44.0	3,316	56,522	2.700
4350	87	HDY	V-MAX	39.6	2,899	44.0	3,294	58,764	2.660
4350	95	NOS	B-TIP	36.0	2,680	40.0	3,046	59,826	2.700
4350	100	SIE	SPT	35.1	2,623	39.0	2,981	59,969	2.700

6mm XC

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN LR ■ Bullet Diameter .243"									
2700	90	BRGR	T-BT	38.7	2,967	43.0	3,297	62,840	2.667
2700	100	BRGR	T-BT	35.8	2,767	39.8	3,074	63,480	2.700
2700	107	SIE	HPBT	36.5	2,739	40.6	3,043	64,340	2.700
2700	108	BRGR	VLD	35.1	2,658	39.0	2,953	61,920	2.688
2700	115	BRGR	VLD	34.8	2,578	38.7	2,864	62,600	2.735
4350	90	BRGR	T-BT	39.6	2,867	44.0	3,185	60,060	2.667
4350	100	BRGR	T-BT	37.8	2,758	42.0	3,064	62,350	2.700
4350	105	BRGR	VLD	37.2	2,712	41.3	3,013	63,490	2.724
4350	107	SIE	HPBT	38.1	2,715	42.3	3,017	63,650	2.700
4350	108	BRGR	VLD	36.9	2,662	41.0	2,958	62,820	2.688
4350	115	BRGR	VLD	36.5	2,564	40.5	2,849	60,950	2.735

6mm Remington

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 210M ■ Bullet Diameter .243"									
4064	55	NOS	B-TIP	40.5	3,547	45.0	4,031	60,180	2.765
4064	60	SIE	HP	40.9	3,432	45.5	3,901	63,600	2.750
4064	65	HDY	V-MAX	40.9	3,290	45.5	3,739	61,500	2.775
4064	70	NOS	B-TIP	40.0	3,235	44.5	3,677	63,200	2.775
2700	55	NOS	B-TIP	45.1	3,445	50.5	3,915	59,944	2.765
2700	58	BAR	VAR	45.5	3,295	50.5	3,744	60,300	2.750
2700	70	SIE	BK	44.1	3,145	49.0	3,574	62,500	2.775
2700	80	SIE	SPT	43.2	3,006	48.0	3,416	62,900	2.825
2700	87	HDY	V-MAX	41.9	2,852	46.5	3,241	59,800	2.810
2700	100	NOS	PART	41.0	2,692	45.5	3,059	61,400	2.825
2700	105	HDY	A-MAX	40.1	2,605	44.5	2,960	60,900	2.825
4350	80	NOS	B-Tip	44.6	2,997	49.5	3,406	61,800	2.825
4350	87	HDY	SP	43.7	2,879	48.5	3,272	62,000	2.810
4350	100	SIE	SBT	41.0	2,676	45.6	3,041	61,000	2.825
4350	105	HDY	A-MAX	39.6	2,563	44.0	2,912	59,200	2.825
4350	115	BAR	RN	39.6	2,498	44.0	2,839	62,500	2.825

243 Winchester Super Short Magnum (WSSM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .243"									
4064	58	HDY	V-MAX	42.3	3,500	47.0	3,888	59,300	2.260
4064	75	HDY	V-MAX	38.7	3,112	43.0	3,458	62,700	2.310
4064	100	SIE	SPBT	35.0	2,660	39.0	2,961	63,600	2.310
2700	75	HDY	V-MAX	44.0	3,240	49.0	3,606	61,500	2.310
2700	100	SIE	SPBT	39.6	2,780	44.0	3,088	64,000	2.310
4350	75	HDY	V-MAX	41.5	3,050	46.0	3,358	62,500	2.310
4350	100	SIE	SPBT	40.0	2,805	44.0	3,050	61,000	2.310

257 Roberts

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 210 ■ Bullet Diameter .257"									
2700	75	SIE	HP	43.7	3,048	46.0	3,243	44,800	2.745
2700	85	BAR	X	40.9	2,868	43.0	3,051	44,100	2.770
2700	90	SIE	HPBT	39.9	2,810	42.0	2,989	42,700	2.735
4350	75	HDY	V-MAX	42.3	2,866	47.0	3,257	43,600	2.745
4350	85	BAR	X	41.4	2,728	46.0	3,100	44,500	2.770
4350	90	SIE	HPBT	40.5	2,641	45.0	3,001	42,100	2.735

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)
4350	100	BAR	X	36.9	2,410	41.0	2,739	42,700	2.760
4350	100	NOS	B-TIP	40.1	2,550	44.5	2,898	44,100	2.775
4350	117	SIE	SBT	38.7	2,376	43.0	2,700	44,100	2.775
3100	90	SIE	HPBT	45.0	2,689	50.0	3,056	44,000	2.735
3100	100	BAR	X	41.4	2,381	46.0	2,706	37,800	2.760
3100	100	NOS	BT	44.1	2,520	49.0	2,864	39,900	2.775
3100	117	HDY	SST	43.2	2,408	48.0	2,736	43,700	2.775

25 Winchester Super Short Magnum (WSSM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .257"									
4064	87	HDY	SP	40.0	3,033	44.5	3,370	62,900	2.213
4064	100	BAR	TSX	37.8	2,837	42.0	3,153	61,000	2.242
4064	100	NOS	B-TIP	38.7	2,876	43.0	3,196	62,800	2.300
4064	115	BAR	TSX	35.6	2,605	39.5	2,895	62,000	2.281
4064	117	HDY	SPBT	36.0	2,585	40.0	2,872	64,500	2.340
2700	87	HDY	SP	46.4	3,192	51.5	3,547	61,500	2.213
2700	100	BAR	TSX	43.2	2,970	48.0	3,300	62,200	2.242
2700	100	NOS	B-TIP	43.7	2,982	48.5	3,313	64,800	2.300
2700	115	BAR	TSX	40.0	2,700	44.5	3,010	63,300	2.281
2700	117	HDY	SPBT	41.4	2,750	46.0	3,056	63,900	2.340

25-06 Remington

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .257"									
4350	75	HDY	V-MAX	53.1	3,326	59.0	3,780	61,400	3.065
4350	87	HDY	SP	49.5	3,203	55.0	3,501	61,490	3.120
4350	90	SIE	HPBT	48.6	3,055	54.0	3,472	62,900	3.075
4350	100	NOS	B-TIP	47.7	2,969	53.0	3,245	62,200	3.240
4350	117	HDY	BTSP	45.9	2,784	51.0	3,043	62,700	3.220
3100	75	SIE	HP	54.0	3,154	60.0	3,585	57,900	3.065
3100	90	SIE	HP	50.9	2,965	56.5	3,370	59,700	3.075
3100	100	NOS	B-TIP	49.5	2,889	55.0	3,283	63,000	3.190
3100	115	NOS	PART	47.5	2,691	52.8	3,059	61,400	3.195
3100	120	SIE	HPBT	46.8	2,620	52.0	2,978	61,200	3.120
Magpro	87	HDY	SP	56.3	3,261	62.5	3,573	60,900	3.100
Magpro	90	SIE	HPBT	55.9	3,248	62.2	3,550	61,500	3.100
Magpro	100	NOS	B-TIP	54.6	3,019	60.7	3,296	62,150	3.170
Magpro	117	HDY	BTSP	51.3	2,807	57.0	3,068	61,950	3.170
Magpro	120	SIE	HPBT	50.6	2,788	56.3	3,038	62,500	3.200

6.5 Grendel (For AR-15 Style Weapons)

Barrel: 20" ■ Twist: 1-10" ■ Primer: WIN WSR ■ Bullet Diameter .264"									
2230	85	SIE	HP	27.4	2,656	30.8	2,873	51,700	2.150
2230	95	HDY	V-MAX	25.5	2,535	28.3	2,713	51,800	2.190
2230	100	NOS	B-TIP	25.3	2,411	28.1	2,636	51,600	2.230
2230	107	SIE	HPBT	24.8	2,329	27.8	2,520	51,500	2.260
2230	120	SIE	HPBT	23.6	2,224	26.3	2,395	51,900	2.260

6.5mmx47 Lapua

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WSR ■ Bullet Diameter .264"									
2520	107	SIE	HPBT	35.1	2,806	39.0	3,118	61,260	2.647
2520	123	SIE	HPBT	33.3	2,582	37.0	2,869	60,600	2.637
4064	107	SIE	HPBT	36.0	2,787	40.0	3,097	60,020	2.647
4064	123	SIE	HPBT	34.5	2,579	38.3	2,866	59,550	2.637
4064	142	SIE	HPBT	33.0	2,384	36.7	2,649	61,760	2.693
2700	123	SIE	HPBT	37.8	2,606	42.0	2,896	54,820	2.637
2700	142	SIE	HPBT	37.4	2,502	41.5	2,780	61,050	2.693

Italicized = Maximum loads are compressed

6.5 Creedmoor

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .264"									
4064	107	SIE	HPBT	37.8	2,757	42.0	3,063	59,600	2.710
4064	120	NOS	B-TIP	36.0	2,549	40.0	2,832	59,240	2.710
4064	123	HDY	SP	36.5	2,570	40.5	2,856	59,630	2.780
4064	140	HDY	A-MAX	33.9	2,332	37.7	2,591	58,810	2.740
4064	142	SIE	HPBT	34.2	2,335	38.0	2,594	58,670	2.820
2700	120	NOS	B-TIP	39.6	2,629	44.0	2,921	58,410	2.710
2700	123	SIE	B-TIP	39.9	2,655	44.3	2,950	58,450	2.780
2700	140	HDY	A-MAX	37.8	2,432	42.0	2,702	58,550	2.740
2700	142	SIE	HPBT	37.8	2,433	42.0	2,703	58,490	2.820



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)
6.5x55 Swedish Mauser									
Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .264"									
4064	85	SIE	HP	40.9	2,866	45.5	3,257	49,206	2.850
4064	100	NOS	B-TIP	39.6	2,692	44.0	3,060	49,206	2.975
2700	100	HDY	SP	45.6	2,907	48.0	3,093	50,100	2.975
2700	129	HDY	SST	40.9	2,496	43.0	2,655	50,300	3.025
2700	140	SIE	SBT	39.9	2,416	42.0	2,570	50,400	3.000
4350	100	SIE	HP	43.2	2,578	48.0	2,929	41,900	2.975
4350	129	HDY	SP	41.4	2,423	46.0	2,753	50,300	3.025
4350	140	SIE	HPBT	40.5	2,314	45.0	2,629	48,100	3.000
3100	129	HDY	SP	44.1	2,394	49.0	2,721	47,500	3.025
3100	140	SIE	SBT	42.3	2,221	47.0	2,524	41,400	3.000
3100	160	HDY	RN	41.4	2,155	46.0	2,449	43,200	2.970

260 Remington

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .264"									
2700	85	SIE	HP	43.2	2,939	48.0	3,340	58,700	2.670
2700	100	BAR	X	38.5	2,635	42.8	2,995	56,500	2.750
2700	100	NOS	B-TIP	40.5	2,746	45.0	3,121	58,900	2.765
2700	100	NOS	PART	41.0	2,783	45.5	3,163	59,600	2.720
2700	107	SIE	HPBT	41.4	2,722	46.0	3,094	58,200	2.800
2700	120	NOS	B-TIP	37.8	2,468	42.0	2,805	58,700	2.800
2700	125	NOS	PART	37.8	2,439	42.0	2,772	56,700	2.780
2700	129	HDY	SP	36.9	2,366	41.0	2,689	57,100	2.780
2700	140	HDY	A-MAX	36.0	2,271	40.0	2,581	58,000	2.750
2700	142	SIE	HPBT	36.9	2,323	41.0	2,640	58,800	2.800
4350	100	NOS	B-TIP	43.2	2,845	48.0	3,234	58,700	2.765
4350	107	SIE	HPBT	43.2	2,797	48.0	3,179	58,900	2.800
4350	120	NOS	B-TIP	40.0	2,594	44.5	2,948	60,000	2.800
4350	125	NOS	PART	40.5	2,584	45.0	2,937	60,000	2.780
4350	129	HDY	SP	39.6	2,493	44.0	2,833	58,400	2.780
4350	130	BAR	X	36.4	2,323	40.5	2,640	58,600	2.750
4350	140	NOS	PART	38.2	2,405	42.5	2,733	59,400	2.780
4350	140	SIE	SBT	39.1	2,413	43.5	2,743	59,100	2.750
4350	142	SIE	HPBT	38.7	2,414	43.0	2,744	57,500	2.800
3100	120	NOS	B-TIP	43.2	2,564	48.0	2,914	57,900	2.800
3100	125	NOS	PART	43.2	2,563	48.0	2,913	58,700	2.780
3100	129	HDY	SST	42.3	2,547	47.0	2,895	56,600	2.780
3100	130	BAR	X	39.1	2,324	43.5	2,642	57,500	2.750
3100	140	NOS	PART	40.5	2,390	45.0	2,717	57,800	2.780
3100	142	SIE	HPBT	41.4	2,354	46.0	2,676	54,600	2.800

6.5x284 Winchester

Barrel: 26" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .264"									
Magpro	123	SIE	HPBT	55.4	2,948	61.5	3,275	63,500	2.898
Magpro	142	SIE	HPBT	52.3	2,702	58.1	3,002	61,540	2.980

6.8 SPC

Barrel: 20" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .277"									
2200	90	SIE	HP	28.1	2,690	31.3	2,978	57,900	2.260
2200	110	HDY	HP	25.7	2,410	28.6	2,685	57,899	2.260
2200	110	HDY	V-Max	25.7	2,439	28.6	2,711	57,995	2.260
2200	110	SIE	SPT	25.9	2,442	28.8	2,672	57,550	2.260
2200	115	SIE	HPBT	25.2	2,366	28.0	2,609	57,850	2.260
2200	130	NOS	B-Tip	24.2	2,205	26.9	2,434	54,333	2.260
2200	140	NOS	B-Tip	23.0	2,094	25.6	2,298	53,506	2.260
2200	140	SIE	HPBT	23.4	2,120	26.0	2,342	57,757	2.260
2015	90	SIE	HP	25.5	2,379	28.4	2,600	45,301	2.260
2015	110	HDY	V-Max	23.7	2,172	26.3	2,406	48,029	2.260
2015	115	SIE	HPBT	24.2	2,178	26.9	2,397	53,694	2.260
2230	90	SIE	HP	29.3	2,649	32.6	2,870	52,489	2.260
2230	110	HDY	V-Max	27.0	2,398	30.0	2,618	53,169	2.260
2230	115	SIE	HPBT	27.5	2,414	30.5	2,638	57,983	2.260
2230	130	NOS	B-Tip	24.1	2,092	26.8	2,269	48,745	2.260
2230	140	SIE	HPBT	24.8	2,120	27.5	2,303	54,413	2.260

.264 Winchester Magnum

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .264"									
Magpro	85	SIE	HP	69.5	3,328	77.3	3,689	63,626	3.100
Magpro	95	HDY	V-Max	67.4	3,269	74.9	3,597	63,184	3.200

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)
Magpro	100	BAR	T-TSX	64.7	3,122	74.4	3,539	63,227	3.250
Magpro	100	NOS	B-TIP	68.2	3,274	75.8	3,597	63,549	3.215
Magpro	110	BAR	BND-S	64.2	3,068	73.7	3,480	63,900	3.215
Magpro	120	BAR	TSX	60.6	2,876	70.4	3,260	63,450	3.170
Magpro	120	BAR	T-TSX	59.8	2,875	69.6	3,246	63,520	3.250
Magpro	120	NOS	B-TIP	63.9	3,022	71.0	3,307	63,384	3.220
Magpro	120	SIE	SPT	64.1	2,995	71.2	3,260	63,773	3.200
Magpro	125	NOS	PART	62.2	2,966	69.1	3,230	63,577	3.225
Magpro	129	HDY	SP	62.1	2,896	69.0	3,163	63,116	3.200
Magpro	130	BAR	TSX	59.1	2,856	65.7	3,110	63,551	3.180
Magpro	140	BRGR	VLD	59.4	2,803	66.1	3,040	63,120	3.325
Magpro	140	HDY	A-Max	60.6	2,781	67.3	3,053	63,015	3.210
Magpro	140	NOS	PART	59.3	2,798	65.8	3,054	63,222	3.245
Magpro	142	SIE	HPBT	56.8	2,724	63.1	3,014	63,004	3.320
Magpro	160	HDY	RN	57.1	2,611	63.4	2,840	63,101	3.250

270 Winchester

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .277"									
2700	130	NOS	B-TIP	46.8	2,638	52.5	3,005	63,400	3.300
2700	140	HDY	SBT	46.3	2,625	51.8	2,980	62,500	3.300
2700	150	SIE	SPBT	46.0	2,574	51.0	2,840	63,500	3.300
2700	160	NOS	PART	45.0	2,450	50.0	2,750	63,500	3.228
4350	110	SIE	SP	53.0	2,900	59.0	3,300	61,300	3.240
4350	130	NOS	B-TIP	49.5	2,660	53.5	3,000	63,500	3.300
4350	140	HDY	SBT	46.8	2,629	52.0	2,988	63,400	3.300
4350	150	SIE	SBT	46.3	2,565	51.5	2,812	63,800	3.300
4350	160	NOS	PART	46.0	2,550	51.0	2,800	64,000	3.228
3100	130	NOS	B-TIP	51.3	2,640	57.0	2,940	57,500	3.300
3100	140	HDY	SBT	52.2	2,598	56.5	2,791	57,500	3.300
3100	150	SIE	SBT	52.2	2,547	56.0	2,769	52,000	3.300
Magpro	130	NOS	B-TIP	58.5	2,919	65.0	3,234	63,200	3.300
Magpro	140	SIE	SBT	58.4	2,799	64.9	3,065	63,661	3.250
Magpro	150	SIE	SBT	55.4	2,725	61.5	3,000	63,600	3.300

Italics = compressed load

270 Winchester Short Magnum (WSM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .277"									
4350	100	HDY	SP	58.0	3,200	64.0	3,500	64,500	2.675
4350	130	SIE	SPBT	55.6	3,063	61.8	3,256	64,100	2.700
4350	130	BAR	TSX	53.0	2,888	59.0	3,192	63,600	2.792
4350	140	HDY	BTSP	54.4	2,865	60.4	3,137	63,300	2.760
4350	150	SIE	SPBT	52.0	2,712	56.0	2,980	63,800	2.760
3100	130	BAR	TSX	58.5	2,780	65.0	3,100	55,000	2.792
3100	130	SIE	SPBT	59.4	2,870	66.0	3,212	60,300	2.700
3100	140	HDY	BTSP	59.0	2,811	65.5	3,135	62,400	2.760
3100	150	SIE	SPBT	56.7	2,758	63.0	3,036	63,200	2.760
Magpro	130	BAR	TSX	65.3	2,925	72.5	3,256	62,300	2.792
Magpro	130	SIE	SPBT	68.0	3,062	75.5	3,359	61,600	2.700
Magpro	140	HDY	BTSP	66.8	2,985	74.2	3,275	64,500	2.760
Magpro	150	SIE	SPBT	63.0	2,864	70.0	3,136	64,700	2.760

7mm-08 Remington

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLR ■ Bullet Diameter .284"									
4064	100	SIE	HP	41.4	2,786	46.0	3,166	54,870	2.665
4064	120	NOS	B-TIP	38.7	2,603	43.0	2,958	56,758	2.765
4064	130	SIE	HPBT	38.2	2,502	42.5	2,844	60,416	2.770
4064	139	HDY	SST	37.8	2,442	42.0	2,775	58,646	2.800
4064	150	SIE	SBT	36.9	2,346	41.0	2,667	58,764	2.800
4064	160	NOS	PART	36.0	2,246	40.0	2,553	60,973	2.800
2700	100	SIE	HP	45.6	2,859	48.0	3,041	59,826	2.665
2700	120	HDY	V-MAX	44.2	2,699	46.5	2,871	58,056	2.765
2700	130	SIE	HPBT	42.8	2,612	45.0	2,779	59,590	2.770
2700	140	NOS	B-TIP	42.3	2,538	44.5	2,700	58,410	2.800
2700	150	SIE	HPBT	41.3	2,477	43.5	2,635	60,997	2.800
2700	160	NOS	PART	39.9	2,311	42.0	2,458	53,808	2.800
2700	168	SIE	HPBT	39.9	2,157	42.0	2,451	55,814	2.800
4350	139	HDY	SST	42.8	2,467	47.5	2,803	58,764	2.800
4350	150	SIE	SBT	41.9	2,403	46.5	2,731	60,298	2.800
4350	160	NOS	PART	41.4	2,314	46.0	2,630	58,292	2.800
4350	168	SIE	HPBT	41.4	2,284	46.0	2,596	59,472	2.800



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)
7x57mm Mauser									
Barrel: 24" ■ Twist: 1-9" ■ Primer: FED 210 ■ Bullet Diameter .284"									
4064	120	NOS	B-TIP	39.1	2,498	43.5	2,838	51,037	2.900
4064	140	SIE	SBT	37.8	2,361	42.0	2,683	53,336	3.025
4064	150	NOS	B-TIP	36.0	2,216	40.0	2,519	49,796	3.060
4064	160	SIE	SBT	35.1	2,117	39.0	2,406	51,448	3.020
2700	120	SIE	SPT	47.5	2,749	50.0	2,924	52,864	2.900
2700	139	HDY	SST	45.1	2,577	47.5	2,742	50,504	3.025
2700	150	NOS	B-TIP	43.7	2,468	46.0	2,626	50,976	3.060
2700	160	SIE	SBT	40.9	2,255	43.0	2,399	46,846	3.020
2700	175	HDY	SP	40.9	2,257	43.0	2,401	52,510	3.040

280 Remington

Barrel: 24" ■ Twist: 1-9" ■ Primer: FED 210 ■ Bullet Diameter .284"									
2700	100	SIE	HP	53.2	3,057	56.0	3,252	53,100	3.150
2700	120	NOS	B-TIP	49.9	2,821	52.5	3,001	57,000	3.200
4350	100	SIE	HP	53.1	2,918	59.0	3,316	55,800	3.150
4350	120	SIE	SPT	51.3	2,739	57.0	3,112	57,700	3.200
4350	154	HDY	SP	48.6	2,486	54.0	2,825	59,600	3.330
4350	160	NOS	PART	46.8	2,413	52.0	2,742	58,200	3.300
3100	154	HDY	SST	52.2	2,457	58.0	2,792	54,500	3.330
3100	160	NOS	PART	51.8	2,442	57.5	2,775	56,100	3.300
3100	168	SIE	HPBT	51.3	2,396	57.0	2,723	56,300	3.300
3100	175	HDY	SP	51.3	2,359	57.0	2,681	58,900	3.300

7mm Remington Short Action Ultra Magnum (RSAUM)

Barrel: 24" ■ Twist: 1-9.5" ■ Primer: FED 215 ■ Bullet Diameter .284"									
2700	140	SIE	SPBT	53.0	2,750	59.0	3,000	64,100	2.800
2700	154	HDY	SP	51.5	2,620	57.5	2,890	62,000	2.825
2700	160	SIE	HPBT	50.0	2,520	55.5	2,780	62,900	2.800
4350	140	SIE	SPBT	54.0	2,840	60.0	3,130	63,500	2.800
4350	154	HDY	SP	52.5	2,750	58.0	3,005	63,500	2.825
4350	160	SIE	HPBT	51.0	2,670	56.5	2,930	63,100	2.800
4350	175	SIE	SPBT	49.5	2,550	55.0	2,800	62,500	2.820
3100	160	SIE	HPBT	56.0	2,600	62.0	2,920	62,500	2.800
3100	175	SIE	SPBT	54.0	2,500	60.0	2,770	59,500	2.820
Magpro	160	SIE	HPBT	60.0	2,700	66.0	3,020	60,000	2.800
Magpro	175	SIE	SPBT	58.0	2,590	64.0	2,900	60,200	2.820

7mm Winchester Short Magnum (WSM)

Barrel: 24" ■ Twist: 1-9" ■ Primer: WIN WLRM ■ Bullet Diameter .284"									
Reduced Loads									
5744	160	SIE	HPBT	26.5	1,519	29.4	2,120	33,600	2.760
Standard Loads									
4350	120	HDY	HP	60.3	3,153	67.0	3,423	63,400	2.760
4350	140	SIE	SPBT	58.7	3,013	65.2	3,232	63,500	2.760
4350	154	HDY	SP	54.9	2,836	61.0	3,026	62,900	2.760
4350	160	SIE	HPBT	54.7	2,737	60.8	2,969	62,200	2.760
4350	175	SIE	SPBT	50.4	2,555	56.0	2,785	62,700	2.760
3100	120	HDY	HP	61.9	3,036	68.8	3,367	63,100	2.760
3100	140	SIE	SPBT	60.8	2,881	67.5	3,194	63,000	2.760
3100	154	HDY	SP	59.4	2,803	66.0	3,060	63,300	2.760
3100	160	SIE	HPBT	57.6	2,749	64.0	3,000	63,500	2.760
3100	175	SIE	SPBT	56.9	2,720	63.2	2,987	63,400	2.760
Magpro	120	HDY	HP	69.7	3,138	77.5	3,419	56,800	2.760
Magpro	140	SIE	SPBT	68.1	3,001	75.7	3,272	59,900	2.760
Magpro	154	HDY	SP	66.1	2,808	73.4	3,107	59,500	2.760
Magpro	160	SIE	HPBT	64.8	2,820	72.0	3,063	60,200	2.760
Magpro	175	SIE	SPBT	64.0	2,729	71.1	2,966	61,700	2.760

7mm Remington Magnum

Barrel: 24" ■ Twist: 1-9" ■ Primer: REM 9 1/2" ■ Bullet Diameter .284"									
4350	100	HDY	HP	60.3	2,944	67.0	3,345	60,300	3.280
4350	120	NOS	B-TIP	56.7	2,829	63.0	3,215	57,800	3.260
4350	130	SIE	HPBT	55.8	2,735	62.0	3,108	58,400	3.245
4350	139	HDY	SST	54.9	2,665	61.0	3,028	54,900	3.270
3100	100	HDY	HP	65.3	2,964	72.5	3,368	58,800	3.280
3100	120	NOS	B-TIP	64.2	2,926	71.3	3,325	59,900	3.260
3100	130	SIE	HPBT	61.0	2,776	67.8	3,155	59,000	3.245
3100	139	HDY	SST	61.2	2,721	68.0	3,092	58,200	3.270
3100	150	NOS	B-TIP	59.4	2,643	66.0	3,003	60,200	3.280
3100	160	SIE	SBT	57.2	2,512	63.5	2,855	59,000	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)
3100	168	SIE	HPBT	55.8	2,442	62.0	2,775	57,900	3.280
3100	175	HDY	SP	54.5	2,376	60.5	2,700	59,700	3.275
3100	195	BAR	SP	52.7	2,233	58.5	2,538	59,800	3.275
Magpro	140	NOS	B-TIP	66.3	2,952	73.7	3,220	60,300	3.270
Magpro	140	SIE	SBT	68.1	2,941	75.7	3,227	60,890	3.220
Magpro	150	SIE	SBT	65.9	2,811	73.2	3,102	60,456	3.220
Magpro	160	SIE	SBT	61.7	2,737	68.6	3,000	60,400	3.280
Magpro	175	HDY	SP	59.5	2,640	66.0	2,854	61,300	3.275

7mm STW (Shooting Times Westerner)

Barrel: 24" ■ Twist: 1-9" ■ Primer: FED 215 ■ Bullet Diameter .284"									
3100	140	BAR	X	65.7	2,776	73.0	3,155	62,400	3.600
3100	150	NOS	B-TIP	65.7	2,736	73.0	3,109	64,400	3.600
3100	160	BAR	X	64.8	2,607	72.0	2,963	62,500	3.600
3100	160	NOS	PART	65.7	2,707	73.0	3,076	64,600	3.600
3100	175	HDY	SP	66.6	2,559	74.0	2,908	57,800	3.600

30 M1 Carbine

Barrel: 17.5" ■ Twist: 1-16" ■ Primer: WIN WSR ■ Bullet Diameter .308"									
Jacketed Bullets:									
No. 9	90	HDY	HP/XTP	12.4	2,127	13.8	2,325	45,400	1.550
No. 9	110	HDY	FMJ	11.7	1,863	13.0	2,036	44,250	1.680
No. 9	110	SIE	RN	11.8	1,850	13.1	2,055	46,150	1.680
No. 9	110	SPR	TMJ RN	11.5	1,831	12.8	2,034	45,800	1.680
4100	90	HDY	HP/XTP	15.1	2,150	16.8	2,385	42,500	1.550
4100	110	HDY	FMJ	14.0	1,980	15.5	2,164	43,500	1.680
4100	110	SIE	RN	14.2	1,990	15.8	2,175	43,150	1.680
4100	110	SPR	TMJ RN	13.8	1,880	15.3	2,055	42,950	1.680
Lead/cast Bullets:									
No. 9	110	LC	RN	11.0	1,792	12.3	1,959	45,450	1.680
No. 9	115	LYM	#311359	10.0	1,678	11.2	1,834	45,028	1.635
No. 9	130	LYM	#311410	9.6	1,620	10.7	1,776	45,200	1.680
4100	110	LC	RN	14.0	1,957	15.5	2,173	44,000	1.680
4100	115	LYM	#311359	12.4	1,835	13.8	2,005	43,912	1.635
4100	130	LYM	#311410	11.1	1,673	12.3	1,829	41,500	1.680

30 Remington AR

Barrel: 22" ■ Twist: 1-10" ■ Primer: WIN WSR ■ Bullet Diameter .308"									
5744	110	HDY	SP	30.4	2,771	33.8	3,045	54,724	2.230
5744	125	NOS	B-Tip	28.9	2,604	32.1	2,837	54,559	2.260
5744	150	SIE	SBT	27.3	2,398	30.4	2,628	54,422	2.260
5744	165	SIE	HPBT	25.3	2,219	28.1	2,432	54,630	2.195
2200	110	BAR	T-TSX	35.2	2,787	39.2	3,115	54,365	2.260
2200	110	BRGR	HP-FB	36.3	2,890	40.3	3,146	54,114	2.260
2200	110	HDY	SP	35.3	2,809	39.2	3,101	54,733	2.230
2200	115	BRGR	HP-FB	35.8	2,805	39.8	3,071	54,332	2.260
2200	125	NOS	B-Tip	34.6	2,681	38.4	2,971	54,637	2.26
2200	125	SIE	FNHP	34.0	2,664	37.7	2,903	54,182	2.035
2200	130	BAR	TSX	33.6	2,590	37.3	2,838	54,412	2.260
2200	135	BRGR	HP	33.6	2,553	37.4	2,792	54,618	2.260
2200	150	SIE	SBT	31.5	2,436	34.9	2,652	54,842	2.260
2200	165	SIE	HPBT	29.7	2,268	33.0	2,484	54,906	2.195
2230	110	BAR	T-TSX	34.7	2,736	38.5	2,999	54,408	2.260
2230	110	BRGR	HP-FB	37.9	2,808	42.1	3,096	54,317	2.260
2230	110	HDY	SP	37.6	2,783	41.7	3,058	54,853	2.230
2230	115	BRGR	HP-FB	37.2	2,734	41.4	3,025	54,630	2.260
2230	125	NOS	B-Tip	35.7	2,621	39.6	2,895	54,233	2.260
2230	125	SIE	FNHP	35.7	2,608	39.7	2,869	54,574	2.035
2230	130	BAR	TSX	35.2	2,560	39.1	2,786	54,711	2.260
2230	135	BRGR	HP	34.7	2,504	38.6	2,781	54,512	2.260
2230	150	SIE	SBT	33.3	2,411	37.0	2,630	54,209	2.260
2230	165	SIE	HPBT	32.1	2,278	35.7	2,473	54,717	2.195



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)
30-30 Winchester									
Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WLR ■ Bullet Diameter .308"									
Jacketed bullets									
2015	150	SIE	FN	27.5	2,142	30.5	2,341	40,892	2.540
2015	170	SIE	FN	25.7	1,992	28.5	2,189	40,423	2.550
2460	110	HDY	RN	33.3	2,369	37.0	2,692	37,400	2.440
2460	150	SIE	FN	29.3	2,015	32.5	2,290	40,200	2.540
2460	170	NOS	RN	27.2	1,864	30.2	2,118	39,900	2.545
2495	110	HDY	RN	33.3	2,375	37.0	2,699	41,000	2.440
2495	150	SIE	FN	27.5	1,960	30.5	2,227	40,600	2.540
2520	110	HDY	RN	34.2	2,366	38.0	2,689	35,700	2.440
2520	150	SIE	FN	30.2	2,046	33.5	2,325	38,800	2.540
2520	170	SIE	FN	28.4	1,874	31.5	2,129	38,400	2.545
4064	110	HDY	RN	35.1	2,380	39.0	2,705	41,400	2.440
4064	125	SIE	FNHP	34.2	2,225	38.0	2,529	39,600	2.430
4064	150	SIE	FN	29.7	1,975	33.0	2,245	40,500	2.540
4064	170	NOS	RN	27.0	1,757	30.0	1,997	39,900	2.545
Lead Bullets									
5744	170	LC	RNFP	19.8	1,791	22.0	2,035	32,800	2.550
2015	170	LC	RNFP	24.3	1,930	27.0	2,121	39,446	2.550
2460	170	LC	RNFP	24.8	1,775	27.5	2,017	28,300	2.550
2460	190	LYM		24.3	1,785	27.0	2,028	37,500	2.800
2495	170	LC	RNFP	24.8	1,771	27.5	2,013	35,100	2.550
2495	190	LYM		24.7	1,707	27.5	1,940	30,600	2.800
2520	170	LC	RNFP	25.7	1,807	28.5	2,053	29,300	2.550
2520	190	LYM		25.6	1,805	28.5	2,051	36,300	2.800
4064	170	LC	RNFP	27.0	1,777	30.0	2,020	28,600	2.550

308 Marlin Express

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .308"									
2015	125	SIE	HP FN	33.8	2,456	37.5	2,729	46,500	2.300
2015	150	SIE	FN	32.4	2,260	36.0	2,511	46,750	2.405
2015	160	HDY	FTX	30.8	2,135	34.2	2,372	46,200	2.424
2015	170	SIE	FN	29.7	2,063	33.0	2,292	46,418	2.414
2230	125	SIE	HP FN	36.0	2,566	40.0	2,851	46,620	2.300
2230	150	SIE	FN	34.0	2,339	37.8	2,599	47,060	2.405
2230	160	HDY	FTX	33.1	2,231	36.8	2,479	46,840	2.424
2230	170	SIE	FN	32.7	2,192	36.3	2,436	46,890	2.414
2460	125	SIE	HP FN	36.9	2,586	41.0	2,873	47,350	2.300
2460	150	SIE	FN	34.3	2,341	38.1	2,601	46,970	2.405
2460	160	HDY	FTX	33.6	2,267	37.3	2,519	46,670	2.424
2460	170	SIE	FN	33.0	2,184	36.7	2,427	47,240	2.414
2495	125	SIE	HP FN	36.9	2,506	41.0	2,784	46,340	2.300
2495	150	SIE	FN	35.1	2,315	39.0	2,572	46,870	2.405
2495	160	HDY	FTX	33.6	2,194	37.3	2,438	46,315	2.424
2495	170	SIE	FN	33.1	2,160	36.8	2,400	46,960	2.414
2520	125	SIE	HP FN	39.6	2,637	44.0	2,930	47,090	2.300
2520	150	SIE	FN	36.9	2,395	41.0	2,661	46,890	2.405
2520	160	HDY	FTX	36.5	2,302	40.5	2,558	46,240	2.424
2520	170	SIE	FN	35.4	2,253	39.3	2,503	46,590	2.414

30 T/C

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .308"									
2015	125	SIE	SPT	40.2	2,754	44.7	3,060	61,300	2.570
2015	130	BAR	TSX	39.2	2,663	43.5	2,959	60,460	2.697
2015	150	HDY	SST	36.9	2,491	41.0	2,768	60,510	2.647
2015	150	BAR	TSX	37.5	2,499	41.7	2,777	61,620	2.660
2015	165	BAR	TSX	35.7	2,314	39.7	2,571	60,070	2.637
2015	168	SIE	HPBT	35.7	2,350	39.7	2,611	60,380	2.660
2015	180	HDY	INTK	35.1	2,216	39.0	2,462	60,560	2.654
2230	125	SIE	SPT	41.7	2,840	46.3	3,155	61,000	2.570
2230	130	BAR	TSX	41.8	2,804	46.4	3,115	61,300	2.697
2230	150	HDY	SST	39.4	2,610	43.8	2,900	61,200	2.647
2230	150	BAR	TSX	40.6	2,628	45.1	2,920	61,800	2.660
2230	165	BAR	TSX	38.9	2,453	43.2	2,725	61,500	2.637
2230	168	SIE	HPBT	36.6	2,417	40.7	2,685	61,200	2.660
2230	180	HDY	INTK	35.9	2,286	39.9	2,540	60,200	2.654
2460	125	SIE	SPT	42.3	2,819	47.0	3,132	59,900	2.570
2460	130	BAR	TSX	42.3	2,777	47.0	3,085	60,440	2.660
2460	150	HDY	SST	40.1	2,588	44.5	2,876	60,870	2.647
2460	150	BAR	TSX	41.2	2,599	45.8	2,888	60,970	2.660
2460	165	BAR	TSX	39.5	2,423	43.9	2,692	60,590	2.637

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)
2460	168	SIE	HPBT	38.0	2,417	42.2	2,685	60,330	2.660
2460	180	HDY	INTK	37.2	2,285	41.3	2,539	60,340	2.654
2520	125	SIE	SPT	45.0	2,902	50.0	3,224	60,980	2.570
2520	130	BAR	TSX	45.0	2,824	50.0	3,138	57,980	2.697
2520	150	HDY	SST	42.8	2,678	47.6	2,976	61,080	2.647
2520	150	BAR	TSX	42.8	2,621	47.6	2,912	57,560	2.660
2520	165	BAR	TSX	40.5	2,458	45.0	2,731	59,690	2.637
2520	168	SIE	HPBT	40.1	2,472	44.5	2,747	59,790	2.660
2520	180	HDY	INTK	38.7	2,349	43.0	2,610	60,580	2.654

308 Winchester

Barrel: 24" ■ Twist: 1-12" ■ Primer: FED 210 ■ Bullet Diameter .308"									
Reduced Loads, Lead Bullets									
5744	160	LYM	RNGC	19.5	1,650	28.5	2,350	42,000	2.570
5744	200	LYM	RNGC	18.0	1,550	27.0	2,124	38,000	2.875
Standard Loads									
2230	125	NOS	B-TIP	41.4	2,821	46.0	3,120	58,950	2.720
2230	150	SIE	SPBT	40.1	2,643	44.5	2,865	59,500	2.750
2230	168	SIE	HPBT	37.4	2,461	41.5	2,676	61,000	2.800
2460	125	NOS	B-TIP	42.3	2,652	47.0	3,014	57,348	2.780
2460	150	HDY	SST	40.5	2,433	45.0	2,765	57,230	2.745
2460	168	SIE	HPBT	38.3	2,289	42.5	2,601	57,348	2.800
2460	175	SIE	HPBT	36.4	2,242	40.5	2,548	58,500	2.800
2460	180	NOS	B-TIP	37.4	2,177	41.5	2,474	58,410	2.800
2495	125	NOS	B-TIP	42.3	2,579	47.0	2,931	53,336	2.780
2495	150	HDY	SP	41.4	2,469	46.0	2,806	56,522	2.745
2495	168	SIE	HPBT	40.1	2,336	44.5	2,654	56,522	2.800
2495	175	SIE	HPBT	39.5	2,395	43.9	2,650	59,900	2.800
2495	180	NOS	B-TIP	38.7	2,281	43.0	2,592	59,944	2.800
2495	190	SIE	HPBT	36.0	2,108	40.0	2,395	53,454	2.800
2520	150	HDY	SST	42.3	2,542	47.0	2,825	61,200	2.735
2520	155	SIE	Palma	42.8	2,610	47.5	2,890	61,500	2.775
2520	165	SIE	SBT	42.9	2,636	47.7	2,861	61,834	2.810
2520	168	SIE	HPBT	41.9	2,541	46.5	2,778	61,380	2.800
2520	175	SIE	HPBT	40.0	2,350	44.5	2,650	61,500	2.800
2520	180	NOS	B-TIP	39.2	2,295	43.5	2,585	61,000	2.800
2520	190	SIE	HPBT	38.3	2,235	42.5	2,500	61,200	2.800

Frangible Bullets

A-2460	125	SF	NTP	41.0	2,720	45.5	3,022	47,690	2.700
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30-06 Springfield

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .308"									
Reduced Loads, Lead Bullets									
5744	160	LYM	RNGC	27.0	2,085	34.5	2,525	41,800	3.035
5744	173	LYM	FNGC	25.0	1,920	32.0	2,337	41,100	3.015
5744	200	LYM	RNGC	22.0	1,625	30.0	2,134	42,000	3.250
Standard Loads									
4064	125	NOS	B-TIP	51.3	2,891	57.0	3,286	56,400	3.310
4064	130	SIE	SBT	48.6	2,785	54.0	3,165	57,000	3.185
4064	150	HDY	SST	47.2	2,648	52.5	3,010	58,900	3.335
4064	165	BAR	X	46.3	2,487	51.5	2,827	57,900	3.245
4064	180	SIE	HPBT	43.6	2,379	48.5	2,704	58,300	3.290
2700	125	SIE	SPT	55.8	2,812	62.0	3,195	56,300	3.150
2700	130	HDY	SP	54.9	2,750	61.0	3,125	55,500	3.150
2700	150	SIE	SBT	53.1	2,580	59.0	2,932	54,900	3.250
2700	150	BAR	X	51.3	2,544	57.0	2,891	57,900	3.



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)
30-06 Springfield — Continued									
Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .308"									
Standard Loads, Lead Bullets									
4064	180	LYM	311322	40.5	2,148	45.0	2,441	36,000	3.015
4064	200	LC	RNGC	38.7	2,027	43.0	2,304	43,900	3.195
2700	180	LYM	311322	41.4	2,078	46.0	2,361	38,900	3.015
2700	200	LC	RNGC	39.6	1,932	44.0	2,196	42,000	3.195

300 Remington Short Action Ultra Magnum (RSAUM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 210 ■ Bullet Diameter .308"									
Reduced Loads									
5744	165	HDY	SP	20.4	1,527	30.5	2,120	29,700	2.680
Standard Loads									
4064	150	HDY	BTSP	55.0	2,874	61.0	3,200	64,500	2.800
4064	165	SIE	SPBT	53.6	2,770	59.5	3,062	64,600	2.800
4064	180	SWF	SIR	50.0	2,622	55.5	2,870	63,900	2.800
2700	150	HDY	BTSP	60.0	2,940	67.0	3,212	64,700	2.800
2700	165	SIE	SPBT	58.7	2,794	65.2	3,126	64,400	2.800
2700	180	SWF	SIR	54.5	2,676	60.5	2,954	64,600	2.800
2700	200	NOS	A-BOND	52.0	2,480	58.0	2,800	64,300	2.800

300 RCM

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLRM ■ Bullet Diameter .308"									
4064	150	BAR	TSX	53.6	2,799	59.5	3,110	62,270	2.800
4064	150	HDY	SST INTK	53.6	2,833	59.5	3,148	63,300	2.800
4064	165	BAR	TSX	51.3	2,638	57.0	2,931	62,830	2.800
4064	168	SIE	HPBT	52.2	2,692	58.0	2,991	64,340	2.800
4064	180	BAR	TSX	49.5	2,498	55.0	2,776	61,760	2.800
4064	180	SIE	HPBT	50.4	2,561	56.0	2,846	62,930	2.800
4064	200	NOS	A-BOND	48.6	2,386	54.0	2,651	61,640	2.800
2700	150	BAR	TSX	58.5	2,891	65.0	3,232	63,810	2.800
2700	150	HDY	SST INTK	58.5	2,891	65.0	3,212	61,770	2.800
2700	165	BAR	TSX	55.8	2,735	62.0	3,039	64,070	2.800
2700	168	SIE	HPBT	56.7	2,753	63.0	3,059	63,440	2.800
2700	180	BAR	TSX	53.7	2,603	59.7	2,892	64,240	2.800
2700	180	SIE	HPBT	54.7	2,638	60.8	2,931	64,090	2.800
2700	200	NOS	A-BOND	52.9	2,471	58.8	2,745	62,530	2.800

300 Winchester Short Magnum (WSM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLRM ■ Bullet Diameter .308"									
Reduced Loads									
5744	165	NOS	B-TIP	27.5	1,864	30.5	2,071	27,900	2.800
Standard Loads									
2700	150	HDY	BTSP	61.0	2,900	68.0	3,220	62,500	2.800
2700	165	SIE	HPBT	59.2	2,777	65.8	3,085	61,300	2.800
2700	180	SIE	SPBT	58.5	2,683	65.0	2,981	61,100	2.800
2700	200	NOS	PART	55.8	2,514	62.0	2,793	60,600	2.800
4350	150	HDY	BTSP	63.5	2,950	70.8	3,285	63,500	2.800
4350	165	SIE	HPBT	61.2	2,823	68.0	3,137	61,800	2.800
4350	180	SIE	SPBT	60.3	2,722	67.0	3,024	61,300	2.800
4350	200	NOS	PART	56.7	2,540	63.0	2,822	60,800	2.800
Magpro	150	HDY	BTSP	71.7	2,925	79.8	3,285	61,800	2.800
Magpro	165	SIE	HPBT	70.2	2,828	78.0	3,223	64,800	2.800
Magpro	180	SIE	SPBT	68.3	2,733	76.0	3,028	60,000	2.800

300 H&H Magnum

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLRM ■ Bullet Diameter .308"									
4350	150	HDY	SST	67.5	2,932	75.0	3,332	62,540	3.555
4350	150	NOS	BT	66.6	2,992	74.0	3,400	63,720	3.600
4350	165	BAR	X	64.8	2,762	72.0	3,139	63,720	3.600
4350	180	SIE	SPT	64.4	2,700	71.5	3,068	63,720	3.600
3100	150	HDY	SST	69.3	2,801	77.0	3,183	63,720	3.555
3100	165	NOS	B-TIP	69.3	2,736	77.0	3,109	63,720	3.520
3100	180	SIE	SP	65.7	2,611	73.0	2,967	63,484	3.600
3100	200	SIE	SBT	62.1	2,468	69.0	2,805	62,894	3.665
3100	220	HDY	RN	63.9	2,413	71.0	2,743	62,894	3.590

300 Winchester Magnum

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 215 ■ Bullet Diameter .308"									
4350	110	SIE	HP	71.6	3,116	79.5	3,541	55,600	3.170
4350	125	NOS	B-TIP	70.7	3,047	78.5	3,462	58,200	3.250
4350	130	HDY	SP	69.3	2,973	77.0	3,378	60,000	3.300

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)
4350	150	SIE	SP	65.7	2,767	73.0	3,144	59,400	3.380
4350	168	SIE	HPBT	66.6	2,774	74.0	3,153	60,062	3.475
4350	180	NOS	B-TIP	64.8	2,680	72.0	3,046	60,888	3.450
4350	180	SWF	SP	66.1	2,720	73.5	3,092	62,304	3.315
4350	190	SIE	HPBT	61.6	2,550	68.5	2,898	60,062	3.450
3100	150	BAR	X	72.0	2,903	80.0	3,299	62,186	3.400
3100	168	HDY	A-MAX	72.0	2,816	80.0	3,200	62,068	3.475
3100	180	SIE	HPBT	69.3	2,708	77.0	3,078	60,652	3.450
3100	190	HDY	BTSP	66.6	2,555	74.0	2,904	58,764	3.450
3100	200	SIE	SBT	64.8	2,457	72.0	2,793	56,876	3.340
3100	200	NOS	PART	66.6	2,531	74.0	2,877	59,472	3.340
3100	220	SIE	HPBT	63.4	2,368	70.5	2,691	60,062	3.300
3100	240	SIE	HPBT	62.5	2,302	69.5	2,617	63,838	3.300
Magpro	150	HDY	SST	79.6	3,065	88.5	3,372	62,788	3.340
Magpro	150	SIE	SPBT	80.3	3,043	89.2	3,355	63,090	3.340
Magpro	165	NOS	A-BOND	77.5	2,936	86.1	3,222	63,003	3.340
Magpro	168	SIE	HPBT	75.2	2,842	83.6	3,146	63,908	3.340
Magpro	168	NOS	E-TIP	75.9	2,911	84.4	3,149	60,199	3.340
Magpro	175	SIE	HPBT	74.3	2,809	82.5	3,126	63,446	3.340
Magpro	180	BAR	MRX	73.5	2,780	85.5	3,134	62,398	3.340
Magpro	180	NOS	B-TIP	76.9	2,872	85.5	3,146	63,390	3.340
Magpro	180	NOS	E-TIP	74.6	2,803	82.8	3,046	61,811	3.340
Magpro	180	NOS	PART	73.4	2,831	81.6	3,085	63,985	3.340
Magpro	180	SIE	SPT	73.3	2,812	85.3	3,169	63,000	3.405
Magpro	185	BRG	VLD	75.6	2,833	84.0	3,114	63,888	3.340
Magpro	190	HDY	BTSP	76.0	2,846	84.4	3,083	62,829	3.340
Magpro	200	BAR	TTSX	71.4	2,671	79.3	2,908	58,843	3.340
Magpro	200	NOS	PART	75.2	2,799	83.6	3,029	63,726	3.340
Magpro	210	BRG	VLD	74.0	2,702	82.2	2,957	61,783	3.340
Magpro	220	SIE	HPBT	72.1	2,637	80.1	2,875	63,396	3.340
Magpro	240	SIE	HPBT	68.3	2,506	75.9	2,728	63,792	3.470

Italics = Compressed

300 Weatherby Magnum

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 215 ■ Bullet Diameter .308"									
3100	150	BAR	X	76.5	2,911	85.0	3,308	60,400	3.560
3100	165	BAR	X	76.5	2,845	85.0	3,233	63,700	3.555
3100	180	NOS	B-TIP	73.8	2,761	82.0	3,137	64,300	3.560
3100	200	NOS	PART	72.0	2,629	80.0	2,987	63,800	3.555
3100	220	SIE	HPBT	69.3	2,473	77.0	2,810	63,900	3.530

300 Remington Ultra Magnum (RUM)

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 215 ■ Bullet Diameter .308"									
3100	150	BAR	X	80.1	2,974	89.0	3,380	58,900	3.600
3100	165	SWF	AF	82.8	2,953	92.0	3,356	61,800	3.550
3100	180	HDY	SPBT	80.1	2,865	89.0	3,256	63,700	3.600
3100	180	NOS	PART	80.1	2,826	89.0	3,212	62,900	3.600
3100	180	BAR	X	77.4	2,750	86.0	3,126	60,600	3.600
3100	200	SWF	AF	75.4	2,655	86.0	3,018	60,600	3.550
3100	220	SIE	RN	74.7	2,535	83.0	2,881	63,800	3.570
Magpro	165	NOS	PART	86.0	3,115	96.5	3,402	63,700	3.550

7.62x39mm Russian

Barrel: 20" ■ Twist: 1-9.5" ■ Primer: WIN WLR ■ Bullet Diameter .311"									
Reduced Loads									
5744	125	SIE	SPT			15.0	1,503	19,370	2.165
5744	150	SIE	SPT			14.0	1,289	20,330	2.190
Standard Loads									
5744	123	HDY	SP	20.3	1,962	22.5	2,180	44,040	2.187
5744	125	SIE	SPT	19.8	1,930	22.0	2,144	42,430	2.165
5744	150	SIE	SPT	18.5	1,732	20.5	1,924	44,090	2.190
1680	123	HDY	SP	25.5	2,201	28.3	2,445	43,120	2.187
1680	125	SIE	SPT	24.3	2,160	27.0	2,400	45,190	2.165
1680	150	SIE	SPT	20.3	1,752	22.5	1,947	42,280	2.190
2015	123	HDY	SP	25.2	2,036	28.0	2,262	35,120	2.187
2015	125	SIE	SPT	24.8	2,016	27.6	2,240	35,550	2.165
2015	150	SIE	SPT	23.4	1,855	26.0	2,061	40,050	2.190
2230	123	HDY	SP	27.0	2,036	30.0	2,262	37,290	2.187
2230	125	SIE	SPT	27.0	2,009	30.0	2,232	37,690	2.165
2230	150	SIE	SPT	25.2	1,846	28.0	2,051	41,200	2.190



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)
8x57mm JS Mauser									
Barrel: 24"	Twist: 1-10"			Primer: WIN WLR			Bullet Diameter .323"		
2460	125	HDY	SP	50.0	2,845	55.5	3,233	56,600	2.880
2460	150	SIE	SPT	45.9	2,557	51.0	2,906	53,700	2.940
2460	170	HDY	RN	44.1	2,401	49.0	2,728	55,600	2.855
2520	150	SIE	SBT	47.3	2,600	52.5	2,955	55,800	2.940
2520	170	HDY	RN	45.0	2,439	50.0	2,752	57,500	2.855
2520	220	HDY	SP	40.5	2,069	45.0	2,351	55,600	2.990

325 Winchester Short Magnum (WSM)

Barrel: 24"	Twist: 1-10"			Primer: WIN WLRM			Bullet Diameter .323"		
4064	180	NOS	B-TIP	54.5	2,636	60.5	2,929	62,900	2.800
4064	200	SIE	HPBT	52.0	2,500	58.0	2,720	62,000	2.827
4064	220	SIE	SBT	51.3	2,354	57.0	2,615	63,300	2.800
2700	180	NOS	B-TIP	61.7	2,755	68.5	3,061	63,500	2.800
2700	200	SIE	HPBT	59.4	2,550	66.0	2,800	62,500	2.827
2700	220	SIE	SBT	57.6	2,476	64.0	2,751	60,400	2.800

8mm Remington Magnum

Barrel: 24"	Twist: 1-10"			Primer: FED 215			Bullet Diameter .323"		
3100	150	HDY	SP	80.1	3,026	89.0	3,439	58,400	3.565
3100	175	SIE	SPT	78.8	2,865	87.5	3,256	60,900	3.565
3100	200	SIE	HPBT	74.7	2,703	83.0	3,072	62,300	3.595

338 Federal

Barrel: 24" ■ Twist: 1-10" ■ Primer: FED 215 ■ Bullet Diameter .323"									
Reduced Loads									
5744	200	HDY	SPBT	24.0	1,675				
Standard Loads									
5744	200	HDY	SPBT	32.6	2,200	36.2	2,426	60,000	2.814
2015	185	BAR	TSX	38.9	2,408	43.2	2,593	58,000	2.783
2015	200	HDY	SP INTK	39.2	2,369	43.5	2,532	59,600	2.814
2015	215	SIE	SPBT	37.0	2,242	41.1	2,399	59,800	2.800
2230	185	BAR	TSX	40.9	2,484	45.5	2,683	59,750	2.783
2230	200	HDY	SP INTK	40.4	2,376	44.8	2,605	60,000	2.814
2230	215	SIE	SPBT	39.0	2,317	43.3	2,503	59,825	2.800
2230	225	NOS	A-BOND	38.3	2,261	42.5	2,427	59,850	2.814

338 RCM

Barrel: 24"	Twist: 1-10"			Primer: Win WLR			Bullet Diameter .338"		
2520	180	NOS	A-BOND	52.9	2,703	58.8	3,003	63,550	2.816
2520	185	BAR	MRX	52.2	2,663	58.0	2,959	63,590	2.847
2520	200	HDY	SP	50.9	2,544	56.5	2,827	64,490	2.816
2520	210	BAR	TSX	49.5	2,438	55.0	2,709	62,880	2.816
2520	225	BAR	MRX	47.7	2,346	53.0	2,607	62,430	2.830
2520	225	HDY	SP	49.1	2,357	54.5	2,619	63,498	2.834

338 Winchester Magnum

Barrel: 24"	Twist: 1-10"			Primer: FED 215			Bullet Diameter .338"		
2700	200	NOS	B-TIP	67.0	2,724	70.5	2,898	61,200	3.335
2700	210	BAR	TSX	61.2	2,560	68.0	2,800	62,500	3.307
2700	225	HDY	SST	62.7	2,541	66.0	2,703	61,900	3.340
2700	250	SIE	SBT	59.9	2,394	63.0	2,547	62,800	3.340
4350	200	HDY	SP	65.7	2,596	73.0	2,950	62,200	3.335
4350	210	BAR	TSX	64.2	2,566	71.3	2,895	62,500	3.307
4350	225	HDY	SST	62.1	2,471	69.0	2,809	64,000	3.240
4350	250	SIE	SBT	58.5	2,276	65.0	2,586	60,700	3.340

338 Lapua

Barrel: 26"	Twist: 1-10"			Primer: WIN WLRM			Bullet Diameter .338"		
Magpro	250	SIE	HPBT	84.0	2,650	93.0	2,925	64,500	3.680
Magpro	300	SIE	HPBT	82.0	2,490	91.0	2,750	64,800	3.680

338 Remington Ultra Magnum (RUM)

Barrel: 24"	Twist: 1-10"			Primer: FED 215			Bullet Diameter .338"		
3100	200	NOS	B-TIP	84.1	2,814	93.5	3,198	62,300	3.575
3100	215	SIE	SPBT	82.8	2,728	92.0	3,101	63,400	3.575
3100	225	HDY	SST	82.8	2,674	92.0	3,039	63,800	3.575
3100	250	NOS	PART	78.3	2,504	87.0	2,846	63,000	3.575
3100	250	SIE	SPBT	78.7	2,530	87.5	2,875	63,200	3.575

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)
35 Whelen									
Barrel: 24"	Twist: 1-12"			Primer: FED 210			Bullet Diameter .358"		
2460	200	HDY	SP	51.3	2,401	57.0	2,728	49,800	3.140
2460	200	BAR	X	50.4	2,420	56.0	2,750	48,300	3.225
2460	225	BAR	X	46.8	2,261	52.0	2,569	50,400	3.220
2460	225	NOS	PART	48.6	2,292	54.0	2,604	52,200	3.215
2460	250	BAR	X	44.1	2,123	49.0	2,412	52,500	3.220
2460	250	HDY	RN	46.8	2,119	52.0	2,408	47,500	3.250
2495	180	HDY	SP	53.6	2,585	59.5	2,937	51,800	3.035
2495	200	SIE	RN	51.3	2,458	57.0	2,793	50,200	3.140
2495	225	BAR	X	47.7	2,174	53.0	2,470	48,800	3.220
2495	225	NOS	PART	45.9	2,264	51.0	2,573	52,200	3.215
2495	250	HDY	SP	44.1	2,126	49.0	2,416	54,500	3.255
2520	225	SIE	SBT	49.5	2,287	55.0	2,599	51,100	3.280
2520	250	HDY	SP	45.9	2,146	51.0	2,439	53,300	3.255

375 Ruger

Barrel: 24"	Twist: 1-10"			Primer: WIN WLRM			Bullet Diameter .375"		
4064	260	NOS	A-BOND	67.5	2,474	75.0	2,749	60,390	3.339
4064	270	WDL	WLCPP	67.5	2,430	75.0	2,700	61,830	3.307
4064	270	BAR	BD SLD	68.9	2,499	76.5	2,777	61,650	3.307
2700	260	NOS	A-BOND	76.1	2,610	84.6	2,900	62,800	3.339
2700	270	WDL	WLCPP	75.2	2,540	83.5	2,822	62,860	3.307
2700	270	BAR	BD SLD	76.1	2,547	84.5	2,830	62,000	3.307
2700	300	BAR	TSX	71.6	2,354	79.5	2,615	61,727	3.304
2700	300	NOS	PART	72.9	2,388	81.0	2,653	63,180	3.294
2700	300	WDL	WLCPP	68.7	2,361	76.3	2,623	63,000	3.307
2700	300	BAR	BD SLD	72.9	2,437	81.0	2,708	62,020	3.304

375 H&H Magnum

Barrel: 24"	Twist: 1-12"			Primer: FED 215			Bullet Diameter .375"		
2700	250	SIE	SBT	76.0	2,644	80.0	2,813	59,800	3.585
2700	270	HDY	SP	76.0	2,530	80.0	2,691	55,800	3.570
2700	300	SIE	SBT	71.3	2,397	75.0	2,550	56,600	3.585
2700	350	BAR	RN	63.7	2,123	67.0	2,259	56,600	3.560
4350	250	SIE	SBT	75.6	2,431	84.0	2,763	48,900	3.585
4350	270	HDY	SP	75.6	2,386	84.0	2,711	50,300	3.570
4350	300	SIE	SBT	71.1	2,192	79.0	2,491	50,000	3.545
4350	350	BAR	RN	67.5	2,072	75.0	2,355	54,800	3.560

375 Remington Ultra Magnum (RUM)

Barrel: 24" ■ Twist: 1-12" ■ Primer: WIN WLRM ■ Bullet Diameter .375"									
Reduced Loads									
5744	250	SIE	SPBT	43.2	1,895	48.0	2,105	30,500	3.595
Standard Loads									
2700	250	SIE	SPBT	86.4	2,716	96.0	3,018	61,900	3.595
2700	260	NOS	PART	85.0	2,670	95.0	2,950	64,500	3.565
2700	270	SWF	AF	83.0	2,600	92.5	2,860	63,800	3.550
2700	300	NOS	PART	78.0	2,450	87.0	2,720	64,500	3.550
4350	250	SIE	SPBT	89.1	2,732	99.0	3,036	59,800	3.595
4350	260	NOS	PART	87.0	2,690	96.2	2,970	62,400	3.565
4350	270	SWF	AF	86.0	2,680	95.5	2,880	62,500	3.550
4350	300	NOS	PART	83.3	2,471	92.5	2,746	61,500	3.550

416 Remington Magnum

Barrel: 24"	Twist: 1-14"			Primer: WIN WLRM		Bullet Diameter .416"			
2460	350	BAR	X	71.1	2,298	79.0	2,611	60,180	3.680
2460	400	HDY	RN	66.6	2,097	74.0	2,383	59,354	3.580
2495	350	BAR	X	73.8	2,226	82.0	2,530	54,870	3.680
2495	400	HDY	RN	72.0	2,154	80.0	2,448	59,000	3.580
2520	350	BAR	X	70.2	2,255	78.0	2,563	57,348	3.680
2520	400	HDY	RN	67.5	2,099	75.0	2,385	61,242	3.580
4064	350	BAR	X	74.7	2,235	83.0	2,540	54,516	3.680
4064	400	HDY	RN	72.0	2,128	80.0	2,419	56,404	3.580
2700	350	BAR	X	81.7	2,384	86.0	2,536	55,460	3.680
2700	400	HDY	RN	80.8	2,295	85.0	2,442	58,764	3.580

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)
444 Marlin									
Barrel: 24" ■ Twist: 1-38" ■ Primer: WIN WLR ■ Bullet Diameter .429"									
Reduced Loads, Lead Bullets									
5744	200	LC	RNFP	34.2	1,958	38.0	2,225	41,000	2.560
5744	240	LC	SWC	32.4	1,804	36.0	2,051	39,200	2.570
Reduced Loads									
5744	200	HDY	XTP	36.0	2,021	40.0	2,297	42,400	2.520
5744	240	SIE	JHC	33.3	1,820	37.0	2,069	41,900	2.520
5744	265	HDY	FP	31.5	1,692	35.0	1,923	40,500	2.570
Standard Loads									
1680	200	HDY	XTP	54.2	2,566	57.0	2,730	41,300	2.520
2015	200	HDY	XTP	57.0	2,409	60.0	2,563	42,700	2.520
2015	240	SIE	JHC	52.3	2,217	55.0	2,359	43,000	2.520
2015	265	HDY	FP	49.4	2,088	52.0	2,221	41,500	2.570
2230	240	SIE	JHC	54.2	2,181	57.0	2,320	44,000	2.520
2230	265	HDY	XTP	52.3	2,074	55.0	2,206	44,000	2.570
2460	240	SIE	JHC	54.2	2,138	57.0	2,274	42,700	2.520
2460	265	HDY	FP	53.2	2,084	56.0	2,217	43,700	2.570

Italicized = CUP Pressure

45-70 Government (Springfield Trap Door less than 18,000 psi)

Barrel: 24" ■ Twist: 1-20" ■ Primer: WIN WLR ■ Bullet Diameter .458"									
5744	405	LC	FP	24.3	1,226	27.0	1,394	16,100	2.550
5744	420	CP	LFNGC	25.6	1,210	28.5	1,375	16,100	2.600
5744	460	CP	LFNGC	24.3	1,102	27.0	1,253	18,800	2.680
5744	500	MCB	RN	23.4	1,070	26.0	1,217	16,100	2.635
5744	525	MCB	SS	21.6	1,060	24.0	1,205	16,300	2.655
5744	530	LYM	Postell	20.1	1,036	22.4	1,178	18,600	2.950

45-70 Government (Standard Rifles less than 28,000 psi)

Barrel: 24" ■ Twist: 1-20" ■ Primer: WIN WLR ■ Bullet Diameter .458"									
5744	300	SIE	HP FN	36.7	1,712	40.8	1,874	27,200	2.550
5744	350	HDY	RN	33.8	1,529	37.5	1,676	27,700	2.550
5744	400	SPR	FN	29.7	1,460	33.0	1,610	27,800	2.540
2015	300	HDY	JHP	51.8	1,836	57.5	2,069	27,300	2.550
2015	350	HDY	RN	47.3	1,703	52.5	1,890	27,800	2.550
2230	300	SIE	HP FN	43.2	1,747	48.0	1,901	27,600	2.550
2230	350	HDY	RN	42.3	1,623	47.0	1,776	28,000	2.550
2230	400	SPR	FN	41.3	1,525	46.0	1,715	27,800	2.550
2230	500	HDY	RN	32.8	1,167	36.4	1,306	27,400	2.550
Lead Bullets									
5744	405	LC	FP	30.6	1,468	34.0	1,600	27,800	2.550
5744	420	CP	LFNGC	29.3	1,401	32.5	1,538	27,000	2.550
5744	440	CP	LFNGC	28.1	1,362	31.2	1,490	27,600	2.550
5744	460	CP	WFNGC	27.5	1,321	30.5	1,444	27,200	2.550
5744	500	LC	FP	25.2	1,265	28.0	1,400	27,900	2.550
2015	405	LC	FP	44.3	1,666	49.2	1,817	27,400	2.550
2015	420	CP	LFNGC	42.6	1,584	47.3	1,763	27,400	2.550
2015	440	CP	LFNGC	38.6	1,514	43.2	1,652	27,300	2.550
2015	460	CP	WFNGC	38.3	1,482	42.6	1,636	27,100	2.550
2015	500	LC	FP	34.7	1,350	38.5	1,510	27,900	2.550
2230	405	LC	FP	38.6	1,550	43.2	1,694	27,500	2.550
2230	420	CP	LFNGC	38.0	1,523	42.2	1,646	27,400	2.550
2230	440	CP	LFNGC	34.5	1,437	38.3	1,553	28,000	2.550
2230	460	CP	WFNGC	34.4	1,404	38.2	1,511	27,300	2.550
2230	500	LC	FP	33.3	1,320	37.0	1,450	27,500	2.550

45-70 Government (Ruger No. 1 and 3 less than 40,000 psi)

Barrel: 24" ■ Twist: 1-20" ■ Primer: WIN WLR ■ Bullet Diameter .458"									
5744	300	SIE	HP FN	43.2	1,986	48.0	2,159	38,900	2.550
5744	350	HDY	RN	39.4	1,771	43.8	1,929	38,000	2.550
5744	400	BAR	FN SP	36.9	1,620	41.0	1,787	38,100	2.550
2230	300	HDY	JHP	56.0	2,092	62.2	2,275	38,200	2.550
2230	350	HDY	RN	48.6	1,797	54.0	1,922	39,000	2.550
2230	400	BAR	FN SP	46.8	1,745	52.0	1,865	38,300	2.550
2230	500	HDY	RN	39.6	1,408	44.0	1,552	38,800	2.550
Lead Bullets									
5744	405	LC	FP	36.0	1,667	40.0	1,826	38,400	2.550
5744	420	CP	LFNGC	35.1	1,641	39.0	1,783	38,200	2.550
5744	440	CP	LFNGC	32.9	1,558	36.5	1,705	38,000	2.550
5744	460	CP	WFNGC	32.6	1,523	36.2	1,666	38,200	2.550
5744	500	LC	FP	27.0	1,400	30.0	1,550	38,200	2.550
2230	405	LC	FP	48.2	1,845	53.5	1,978	38,700	2.550
2230	420	CP	LFNGC	46.8	1,791	52.2	1,920	37,400	2.550
2230	440	CP	LFNGC	42.8	1,674	47.5	1,804	38,600	2.550
2230	460	CP	WFNGC	42.8	1,668	47.5	1,782	37,900	2.550

458 Winchester Magnum

Barrel: 24" ■ Twist: 1-14" ■ Primer: FED 215 ■ Bullet Diameter .458"									
Reduced Loads									
5744	405	CP	WLNGC	45.9	1,909	51.0	2,170	59,708	3.000
5744	460	CP	WFNGC	44.1	1,779	49.0	2,022	61,360	3.110
Standard Loads									
2015	300	HDY	HP	68.4	2,293	76.0	2,606	41,890	2.940
2015	350	HDY	RN	67.5	2,250	75.0	2,557	52,628	2.965
2015	400	BAR	SSP	68.4	2,172	76.0	2,468	57,584	3.140
2015	500	HDY	RN	61.2	1,891	68.0	2,149	58,056	3.305
2230	300	HDY	HP	70.2	2,248	78.0	2,554	39,530	2.940
2230	350	HDY	RN	70.2	2,211	78.0	2,512	53,218	2.965
2230	400	BAR	SSP	72.0	2,162	80.0	2,457	53,690	3.140
2230	500	HDY	RN	64.8	1,900	72.0	2,159	53,808	3.305
2460	300	HDY	HP	70.2	2,205	78.0	2,506	36,344	2.940
2460	350	HDY	RN	70.2	2,189	78.0	2,487	49,914	2.965
2460	400	BAR	SSP	72.0	2,158	80.0	2,452	52,746	3.140
2460	500	HDY	RN	66.6	1,929	74.0	2,192	52,864	3.305

458 Lott

Barrel: 24" ■ Twist: 1-10" ■ Primer: WIN WLR ■ Bullet Diameter .458"									
2230	500	HDY	RN	74.0	2,077	82.0	2,275	60,000	3.600
2520	500	HDY	RN	77.0	2,100	86.0	2,310	61,000	3.600

550 Magnum

Barrel: 24" ■ Twist: 1-18" ■ Primer: WLRM ■ Bullet Diameter .550"									
Reduced Load, Lead Bullets									
5744	700	CP	RN FP	54.0	1,504			24,740	3.735
Standard Load									
2015	700	BAR	BDD SLD	93.6	1,989	104.0	2,210	62,660	3.735
2495	600	HWK	RN SP	108.0	2,210	120.0	2,455	61,940	3.790
2495	700	AL	SPHJ	107.1	2,061	119.0	2,290	62,310	3.780
2495	700	HWK	RN SP	98.1	1,971	109.0	2,190	64,810	3.720
2495	700	GS	FN SLD	102.6	2,041	114.0	2,268	60,480	3.790
2520	700	HWK	RN SP	101.7	2,005	113.0	2,228	61,410	3.715
4064	800	HWK	RN SP	101.7	1,793	113.0	1,992	61,150	3.835
Standard Load, Lead Bullets									
2015	700	CP	RN FP	86.4	1,872	96.0	2,080	49,440	3.735
2015	600	HWK	RN SP	113.4	2,271	126.0	2,523	60,840	3.790



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