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. DO NOT SUBSTITUTE components for those listed.
3. ALWAYS START LOADING WITH THE MINIMUM POWDER CHARGE SHOWN;
3. Designate a work area to used only for reloading and keep that area clean and orderly;
4. Label components and reloads for quick and easy identification;
5. Develop a reloading routine and follow it;
6. 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).

NOTE:

THIS DATA SUPERSEDES ALL PREVIOUS ACCURATE LOAD DATA.

Always use the latest load data

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

www.accuratepowder.com

COMPANY ABBREVIATIONS

BAR	Barnes	LC	Laser Cast	REM	Remington
BRY	Berry's	LYM	Lyman	RSH	Rushmore
BRG	Berger	MTG	Montana Gold	SIE	Sierra
CB	Claybuster	MCB	Montana Cast Bullets	SWF	Swift
CP	Cast Performance	NOS	Nosler	TS	True Shot
FED	Federal	OT	Oregon Trail	WIN	Winchester
HDY	Hornady	RAN	Rainier	WDL	Woodleigh

PRIMER ABBREVIATIONS

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

BULLET ABBREVIATIONS

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

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

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

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 cannelure or crimp groove.

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

5.7x28 FN

Barrel: 5", Twist: 1-9" Primer: WIN WSR or WSP Bullet Dia.: .224"

	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	35	HDY	V-MAX FB	6.0	1,955	6.7	2,100	45,500	1.491
No.5	40	SIE	SP - Horn	5.8	1,850	6.5	1,975	45,200	1.456
No.5	45	SIE	SP - Horn	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	SP - Horn	7.0	1,896	7.7	2,044	45,100	1.456
No.7	45	SIE	SP - Horn	6.7	1,782	7.4	1,913	45,400	1.490

Special Note on the 5.7 x 28 FN

1) This is an extremely sensitive caliber. Please adhere closely to indicated loads and COL guidelines.
2) Always begin loading at the MINIMUM start load and increase only in increments of **0.1** grains.
3) We strongly recommend using ONLY FLATBASE BULLETS, especially in the handgun.
4) When Small Pistol primers are used, a slightly lower performance can be expected.
5) Add 18% to the above published velocities for the 10" barrel of the FN P90 PDW weapon.

.32 Auto (ACP)

Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .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

.380 Auto (ACP)

Barrel: 3.75", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .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

9mm Luger

Barrel: 4", Twist: 1-10" Primer: WIN WSP Bullet Dia.: .355"

No.2	115	LC	RN(L)	4.6	1,008	5.2	1,146	32,900	1.100
No.2	124	LC	RN(L)	4.0	895	4.6	1,017	31,100	1.095
No.2	145	MCB	SWCBB(L)	3.9	845	4.3	956	31,000	1.140
No.2	115	NOS	JHP	4.7	1,038	5.2	1,145	29,900	1.095
No.2	125	SIE	FMJ	4.2	930	4.7	1,057	29,500	1.095
No.2	147	HDY	XTP	3.6	781	4.0	888	29,200	1.095
No.5	115	LC	RN(L)	5.7	1,040	6.3	1,182	33,000	1.100
No.5	124	LC	RN(L)	5.4	1,018	6.0	1,157	33,000	1.095
No.5	145	LC	RN(L)	4.6	866	5.1	984	26,800	1.140
No.5	115	SIE	JHP	6.3	1,049	7.0	1,192	31,400	1.095
No.5	125	SIE	JHP	5.8	1,069	6.4	1,200	33,000	1.095
No.5	147	HDY	XTP	4.8	872	5.3	991	30,900	1.095
No.7	115	LC	RN(L)	7.8	1,078	8.7	1,225	33,000	1.100
No.7	124	LC	RN(L)	7.4	1,030	8.2	1,170	33,000	1.095
No.7	145	MCB	RNBB(L)	6.5	926	7.2	1,052	29,500	1.140
No.7	115	NOS	FMJ	7.9	1,052	8.8	1,196	29,700	1.095
No.7	124	HDY	FMJ	7.2	1,026	8.0	1,166	29,800	1.095
No.7	147	HDY	XTP	6.5	921	7.2	1,047	31,900	1.095

CAUTION!

Reducing the seating depth may dramatically increase pressure in some handgun cartridges. Always use caution when changing seating.

HANDGUN

.357 SIG

Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .355"

No.2	115	LC	RN(L)	5.6	1,099	6.2	1,249	38,200	1.140
No.2	122	MCB	FN(L)	5.2	1,070	5.8	1,217	38,100	1.140
No.2	147	MCB	RNBB(L)	4.2	923	4.7	1,049	36,800	1.140
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	LC	RN(L)	8.1	1,160	9.0	1,319	38,500	1.140
No.5	122	LC	FP(L)	7.9	1,144	8.8	1,300	37,100	1.140
No.5	147	LC	FP(L)	6.7	1,029	7.5	1,170	36,900	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	LC	RN(L)	9.9	1,182	11.0	1,344	37,800	1.140
No.7	124	LC	RN(L)	9.6	1,162	10.7	1,321	37,900	1.140
No.7	145	LC	RN(L)	8.6	1,071	9.6	1,218	40,000	1.140
No.7	115	SIE	JHP	10.2	1,218	11.3	1,385	39,100	1.140
No.7	124	HDY	FMJFP	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	LC	RN(L)	12.1	1,258	13.5	1,430	39,000	1.140
No.9	122	MCB	RNBB(L)	11.7	1,217	13.0	1,383	36,100	1.140
No.9	145	LC	RN(L)	9.4	1,029	10.5	1,170	33,000	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

.38 Super

Barrel: 5", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .357"

No.5	115	LC	RN(L)	6.8	1,115	7.6	1,267	32,600	1.285
No.5	124	LC	RN(L)	6.3	1,043	7.0	1,185	31,900	1.220
No.5	145	MCB	RNBB(L)	6.1	1,028	6.8	1,168	33,000	1.250
No.5	115	NOS	JHP	7.5	1,162	8.3	1,321	33,000	1.240
No.5	125	SIE	FMJ	6.8	1,079	7.6	1,230	33,000	1.245
No.5	130	RAN	RN	6.3	1,011	7.0	1,149	29,000	1.280
No.5	147	HDY	XTP	6.1	970	6.8	1,100	33,000	1.230
No.7	115	LC	RN(L)	8.8	1,162	9.8	1,320	33,000	1.285
No.7	124	LC	RN(L)	8.1	1,095	9.0	1,244	32,000	1.220
No.7	145	LC	RN(L)	7.7	1,025	8.5	1,165	31,400	1.250
No.7	115	SIE	FMJ	9.3	1,186	10.3	1,340	33,000	1.240
No.7	124	SIE	JHP	8.6	1,111	9.6	1,263	31,700	1.245
No.7	130	BRY	RN	8.4	1,087	9.4	1,236	31,400	1.280
No.7	147	HDY	XTP	7.8	1,008	8.7	1,146	31,500	1.230
No.9	115	NOS	JHP	11.7	1,228	13.0	1,395	32,800	1.240
No.9	124	HDY	FMJFP	11.3	1,184	12.5	1,346	33,000	1.245
No.9	130	RAN	RN	9.9	1,061	11.0	1,206	27,100	1.280
No.9	147	HDY	XTP	9.2	1,034	10.2	1,175	29,400	1.230

.38 Special

Barrel: 7.75", Twist: 1-18.75" Primer: WIN WSP Bullet Dia.: .357"

N100	148	LC	WCDBB(L)	2.4	759	2.7	863	15,300	1.252
N100	158	LC	SWC(L)	2.9	786	3.3	894	16,600	1.481
N100	110	HDY	XTP	3.9	1,014	4.4	1,153	15,900	1.435
N100	125	NOS	JHP	3.7	907	4.1	1,031	14,800	1.445
N100	140	SIE	JHP	3.5	821	3.9	933	16,900	1.445
N100	158	HDY	XTP	2.9	691	3.2	786	14,400	1.445
No.2	148	LC	WCDBB(L)	2.6	634	2.9	720	15,500	1.152
No.2	158	MCB	SWCBB(L)	3.6	764	4.0	868	14,100	1.481
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	148	LC	WCDBB(L)	3.6	710	4.0	807	16,200	1.152
No.5	158	MCB	SWCBB(L)	5.3	827	5.9	940	16,100	1.481
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

.357 Magnum

Barrel: 6", Twist: 1-18.75" Primer: WIN WSPM Bullet Dia.: .357"

	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	10.8	1,457	12.0	1,656	***41,600***	1.575
No.5	125	HDY	XTP	10.4	1,369	11.5	1,555	***42,800***	1.575
No.5	140	SIE	JHP	9.9	1,292	11.0	1,469	***43,200***	1.575
No.7	147	MCB	FPBB(L)	10.3	1,167	11.4	1,327	***44,000***	1.580
No.7	158	LC	SWC(L)	9.9	1,119	11.0	1,272	***42,600***	1.580
No.7	180	LC	FP(L)	9.0	1,009	10.0	1,147	***43,400***	1.675
No.7	110	SIE	JHC	12.6	1,465	14.0	1,665	***41,700***	1.575
No.7	125	HDY	XTP	11.9	1,374	13.2	1,562	***42,700***	1.575
No.7	140	SIE	JHP	11.0	1,267	12.2	1,440	***43,600***	1.575
No.7	158	NOS	JHP	10.3	1,286	11.4	1,462	***43,900***	1.580
No.7	170	SIE	FMJ	9.5	1,086	10.5	1,233	***44,600***	1.565
No.9	147	MCB	FPBB(L)	12.9	1,238	14.3	1,406	***42,100***	1.580
No.9	158	LC	SWC(L)	12.2	1,187	13.5	1,349	***41,300***	1.580
No.9	180	CP	WFNGC(L)	11.3	1,084	12.6	1,231	***40,200***	1.675
No.9	110	HDY	XTP	16.6	1,589	18.4	1,803	***43,700***	1.575
No.9	125	NOS	JHP	15.3	1,482	17.0	1,685	***45,100***	1.575
No.9	140	SIE	JHP	13.9	1,346	15.4	1,529	***43,100***	1.575
No.9	150	NOS	SP	13.7	1,319	15.2	1,499	***43,000***	1.590
No.9	158	HDY	XTP	13.5	1,293	15.0	1,470	***44,900***	1.580
No.9	170	SIE	FMJ	12.2	1,174	13.5	1,334	***45,000***	1.565
No.9	180	HDY	XTP	11.7	1,139	13.0	1,293	***43,000***	1.575

Bold Italicized = CUP Pressure

.40 S&W

Barrel: 4", Twist: 1-16" Primer: WIN WSP Bullet Dia.: .400"

No.2	140	LC	TC(L)	5.9	1,016	6.6	1,155	33,400	1.115
No.2	155	LC	RNSWC(L)	5.7	982	6.3	1,116	34,100	1.130
No.2	175	MCB	SWCBB(L)	4.8	858	5.3	975	34,200	1.115
No.2	185	LC	RNSWC(L)	4.6	829	5.1	942	33,000	1.120
No.2	135	NOS	JHP	6.8	1,097	7.6	1,247	34,700	1.125
No.2	150	SIE	JHP	6.3	1,016	7.0	1,155	34,200	1.120
No.2	155	BRY	RS	5.6	968	6.2	1,100	35,000	1.125
No.2	165	SIE	JHP	5.6	916	6.2	1,041	35,000	1.125
No.2	180	HDY	XTP	5.0	851	5.6	967	35,000	1.135
No.2	180	RAN	HP	4.3	794	4.8	903	33,400	1.125
No.5	140	LC	TC(L)	7.2	1,038	8.0	1,179	34,900	1.115
No.5	155	LC	RNSWC(L)	6.8	1,019	7.5	1,158	35,000	1.130
No.5	170	LC	SWC(L)	5.5	868	6.1	986	35,000	1.115
No.5	185	LC	TC(L)	5.4	858	6.0	975	35,000	1.120
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	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	140	LC	TC(L)	9.0	1,030	10.0	1,171	33,700	1.115
No.7	155	MCB	SWCBB(L)	8.7	1,008	9.7	1,146	34,600	1.130
No.7	175	MCB	SWCBB(L)	7.6	892	8.4	1,014	35,000	1.115
No.7	185	LC	SWC(L)	7.4	871	8.2	990	35,000	1.120
No.7	200	LC	TC(L)	6.1	777	6.8	883	34,800	1.110
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	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
No.9	170	LC	SWC(L)	9.2	878	10.2	998	34,900	1.115
No.9	185	LC	RNSWC(L)	8.7	841	9.7	956	33,500	1.120
No.9	200	LC	TC(L)	7.8	774	8.7	880	35,000	1.110
No.9	180	HDY	XTP	9.9	897	11.0	1,019	35,000	1.135
No.9	190	SIE	FPJ	9.9	877	11.0	997	32,700	1.125
No.9	200	HDY	XTP	8.3	759	9.2	863	35,000	1.130

HANDGUN

10mm Auto

Barrel: 5", Twist: 1-16" Primer: WIN WLP Bullet Dia.: .400"

No.5	140	LC	TC(L)	8.7	1,190	9.7	1,352	33,400	1.250
No.5	170	LC	SWC(L)	7.8	1,085	8.7	1,233	31,800	1.250
No.5	175	MCB	SWCBB(L)	7.5	1,026	8.3	1,166	31,500	1.245
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	140	LC	TC(L)	10.8	1,203	12.0	1,367	33,700	1.250
No.7	170	LC	SWC(L)	9.9	1,120	11.0	1,273	35,500	1.250
No.7	175	MCB	SWCBB(L)	9.4	1,055	10.4	1,199	35,200	1.245
No.7	185	LC	RNSWC(L)	9.2	1,032	10.2	1,173	34,500	1.245
No.7	195	MCB	TCBB(L)	8.6	998	9.5	1,134	35,400	1.245
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	170	LC	SWC(L)	12.2	1,131	13.6	1,285	34,900	1.245
No.9	185	LC	RNSWC(L)	11.7	1,098	13.0	1,248	34,700	1.245
No.9	200	LC	TC(L)	10.6	1,018	11.8	1,157	36,200	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	190	SIE	FPJ	12.8	1,115	14.2	1,267	35,800	1.250
No.9	200	HDY	XTP	11.3	1,030	12.5	1,170	37,000	1.250

.41 Remington Magnum

Barrel: 10", Twist: 1-18.75" Primer: FED 155 Bullet Dia.: .410"

No.5	200	MCB	SWCBB(L)	11.3	1,264	12.5	1,436	36,700	1.675
No.5	240	CP	RN (L)	10.8	1,194	12.0	1,357	39,900	1.710
No.5	170	SIE	JHP	10.8	1,314	12.0	1,493	37,900	1.565
No.5	210	HDY	XTP	10.4	1,163	11.5	1,322	39,200	1.570
No.5	220	RAN	FP	10.3	1,188	11.5	1,350	39,900	1.590
No.7	200	MCB	SWCBB(L)	13.1	1,269	14.5	1,442	36,900	1.675
No.7	240	CP	RN (L)	12.6	1,197	14.0	1,360	37,800	1.710
No.7	170	SIE	JHP	14.0	1,368	15.5	1,555	37,000	1.565
No.7	210	HDY	XTP	12.8	1,214	14,2	1,379	39,400	1.570
No.7	220	RAN	FP	12.9	1,236	14.3	1,405	38,300	1.590
No.9	200	MCB	SWCBB(L)	16.2	1,392	18.0	1,582	38,600	1.675
No.9	265	CP	WFNGC(L)	12.1	1,071	13.5	1,218	38,900	1.710
No.9	170	SIE	JHP	17.7	1,500	19.7	1,705	37,800	1.565
No.9	210	HDY	XTP	16.2	1,338	18.0	1,521	40,000	1.570
No.9	220	RAN	FP	15.6	1,305	17.3	1,483	38,800	1.590

.44 Special

Barrel: 8.150", Twist: 1-20" Primer: REM 2 ½ Bullet Dia.: .429"

No.2	220	MCB	RNFP(L)	4.8	790	5.3	900	13,980	1.535
No.2	240	LC	RNFP(L)	4.2	721	4.7	819	13,975	1.600
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	220	MCB	RNFP(L)	7.0	844	7.8	959	14,000	1.535
No.5	240	LC	RNFP(L)	6.1	757	6.8	860	14,000	1.600
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
No.7	220	MCB	RNFP(L)	8.6	839	9.5	953	14,000	1.535
No.7	240	LC	SWC(L)	7.8	792	8.7	900	14,000	1.600
No.7	180	HDY	JHP	9.9	880	10.5	1,000	14,000	1.485
No.7	200	NOS	JHP	9.0	825	10.0	938	13,800	1.490
No.7	240	SIE	JHC	7.2	689	8.0	745	14,000	1.485

.44 Remington Magnum

Barrel: 8.275", Twist: 1-20" Primer: WIN WLP Bullet Dia.: .429"

	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	200	LC	RNFP(L)	16.5	1,336	18.3	1,518	40,000	1.560
No.7	240	MCB	SWC(L)	15.8	1,283	17.5	1,458	39,700	1.560
No.7	180	SIE	JHP	18.5	1,502	20.5	1,707	40,000	1.560
No.7	200	NOS	JHP	16.8	1,353	18.7	1,538	37,500	1.595
No.7	240	HDY	XTP	15.6	1,245	17.3	1,415	40,000	1.560
No.7	240	RAN	FP	15.0	1,264	16.8	1,437	37,300	1.575
No.7	250	NOS	PART	15.3	1,170	17.0	1,330	37,700	1.600
No.7	300	SIE	JSP	14.6	1,074	16.2	1,221	40,000	1.735
No.7	300	HDY	XTP	13.1	1,047	14.5	1,190	38,000	1.595
No.9	220	MCB	RNFP(L)	21.2	1,456	23.6	1,655	40,000	1.560
No.9	240	LC	SWC(L)	19.5	1,364	21.7	1,550	39,600	1.560
No.9	275	CP	WFNPB(L)	17.1	1,202	19.0	1,350	40,000	1.695
No.9	300	LC	TC(L)	16.6	1,175	18.5	1,320	40,000	1.720
No.9	320	CP	WFNGC(L)	15.7	1,163	17.5	1,322	39,800	1.665
No.9	200	NOS	JHP	22.5	1,475	25.0	1,676	37,800	1.595
No.9	240	SIE	JHC	19.1	1,320	21.3	1,500	40,000	1.560
No.9	240	RAN	FP	18.0	1,326	20.0	1,507	40,000	1.575
No.9	250	SIE	FPJ	18.9	1,275	21.0	1,449	39,200	1.600
No.9	300	SIE	JSP	17.1	1,106	19.0	1,257	40,000	1.735
No.9	300	HDY	XTP	15.9	1,121	17.7	1,274	38,320	1.595
5744	240	LC	SWC(L)	21.6	1,272	24.0	1,446	34,500	1.560
5744	320	CP	WFNGC(L)	16.2	952	18.0	1,082	27,800	1.665
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

.45 Auto (ACP)

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

N100	155	LC	SWC(L)	5.0	956	5.5	1,087	16,000	1.240
N100	170	MCB	SWCBB(L)	5.0	952	5.6	1,082	19,900	1.130
N100	200	LC	SWC(L)	4.4	825	4.9	938	18,200	1.190
N100	230	LC	RN(L)	4.1	733	4.5	834	18,600	1.230
N100	185	NOS	JHP	4.8	842	5.3	957	16,900	1.210
N100	200	HDY	XTP	4.3	768	4.8	873	16,500	1.225
N100	230	SIE	FMJ	4.1	726	4.5	825	19,100	1.250
S1000	155	LC	SWC(L)	5.9	1,029	6.5	1,170	19,100	1.240
S1000	170	MCB	SWC(L)	5.3	931	5.9	1,059	17,800	1.130
S1000	200	LC	SWC(L)	4.8	838	5.3	952	18,300	1.190
S1000	230	LC	RN(L)	4.6	790	5.1	898	18,300	1.230
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	155	LC	SWC(L)	6.8	1,060	7.5	1,204	20,600	1.240
No.2	170	MCB	SWC(L)	5.9	950	6.5	1,079	19,400	1.130
No.2	200	LC	SWC(L)	5.2	826	5.8	939	17,400	1.190
No.2	230	LC	RN(L)	5.0	766	5.6	870	17,200	1.230
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	155	LC	SWC(L)	9.0	1,046	10.0	1,189	18,500	1.240
No.5	170	MCB	SWC(L)	8.1	945	9.0	1,074	17,800	1.130
No.5	200	LC	SWC(L)	7.8	902	8.7	1,025	19,400	1.190
No.5	230	MCB	RNBB(L)	7.7	852	8.5	968	19,800	1.230
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
No.7	155	LC	SWC(L)	12.0	1,076	13.3	1,223	20,200	1.240
No.7	170	MCB	SWC(L)	11.3	1,031	12.5	1,172	20,800	1.130
No.7	200	LC	RN(L)	10.4	899	11.5	1,022	18,700	1.190
No.7	230	LC	RN(L)	9.9	862	11.0	979	19,400	1.230
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

HANDGUN

.45 Colt

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

	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	210	MCB	RNBB(L)	10.9	904	12.1	1,027	12,500	1.620
No.5	225	MCB	TCBB(L)	10.9	909	12.1	1,033	13,800	1.620
No.5	255	LC	SWC(L)	9.4	846	10.4	961	13,400	1.600
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

.45 Colt Ruger & T/C Contender Only

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

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

.454 Casull

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

No.9	250	LC	RNFP(L)	21.6	1,326	24.0	1,507	23,000	1.750
No.9	300	MCB	WPFB(L)	18.9	1,228	21.0	1,396	30,200	1.690
No.9	240	SIE	JHP	25.2	1,543	28.0	1,753	39,800	1.705
No.9	250	HDY	XTP	25.2	1,558	28.0	1,770	45,800	1.700
No.9	300	SIE	JSP	23.4	1,404	26.0	1,596	46,200	1.765
5744	250	LC	RNFP(L)	26.1	1,347	29.0	1,531	37,100	1.750
5744	300	MCB	WPFB(L)	24.3	1,260	27.0	1,432	45,500	1.690
5744	240	SIE	JHP	31.5	1,489	35.0	1,693	51,800	1.705
5744	250	NOS	JHP	30.6	1,518	34.0	1,726	52,600	1.700
5744	300	HDY	XTP	28.8	1,381	32.0	1,570	52,600	1.765
1680	300	LC	FP(L)	27.0	1,229	30.0	1,397	33,700	1.690
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

.460 S&W

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

5744	335	CP	WLNGC(L)	25.5	1,200	Reduced Load			
5744	335	CP	WLNGC(L)	32.0	1,500	36.5	1,710	59,600	2.181
5744	360	CP	WLNGC(L)	26.0	1,220	Reduced Load			
5744	360	CP	WLNGC(L)	31.5	1,480	35.0	1,640	59,800	2.199
5744	240	HDY	XTP	27.0	1,230	Reduced Load			
5744	240	HDY	XTP	40.0	1,836	44.0	2,035	58,200	2.188
5744	260	NOS	PART	28.0	1,250	Reduced Load			
5744	260	NOS	PART	36.0	1,685	40.0	1,880	55,000	2.192
5744	300	SIE	JSP	26.0	1,210	Reduced Load			
5744	300	SIE	JSP	34.0	1,590	38.0	1,785	57,800	2.208
No 9	335	CP	WLNGC(L)	28.0	1,510	31.5	1,660	61,000	2.181
No 9	360	CP	WLNGC(L)	27.0	1,450	30.0	1,580	60,438	2.199
No 9	240	HDY	XTP	34.0	1,820	38.0	2,000	59,300	2.188
No 9	250	BAR	XPB	29.0	1,700	32.5	1,891	58,900	2.199
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	335	CP	WLNGC(L)	31.0	1,520	34.5	1,675	60,000	2.181
4100	360	CP	WLNGC(L)	29.7	1,450	33.0	1,595	59,100	2.199
4100	240	HDY	XTP	37.0	1,780	42.5	2,035	60,500	2.188
4100	250	BAR	XPB	33.0	1,726	37.0	1,930	60,000	2.199
4100	260	NOS	PART	35.0	1,730	39.0	1,915	59,000	2.192
4100	300	SIE	JSP	33.0	1,600	37.0	1,780	60,300	2.208
1680	335	CP	WLNGC(L)	38.0	1,500	42.0	1,684	59,700	2.181
1680	360	CP	WLNGC(L)	36.0	1,400	39.5	1,600	57,500	2.199
1680	240	HDY	XTP	45.0	1,713	50.0	1,985	53,300	2.188
1680	250	BAR	XPB	37.0	1,550	41.0	1,770	48,900	2.199
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

HANDGUN

.480 Ruger

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

	Bullet Weight (Grains)	Bullet Make	Bullet Type	Start Load (Grains)	Start Velocity (fps)	Max Load (Grains)	Max Load Velocity (fps)	Max Load Pressure (psi)	COL (inch)
No 7	370	CP	LFNPB(L)	15.2	1,180	17.2	1,300	46,000	1.670
No 7	390	CP	LFNPB(L)	14.8	1,150	16.5	1,260	46,600	1.680
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	370	CP	LFNPB(L)	19.0	1,220	21.0	1,320	44,900	1.670
No 9	390	CP	LFNPB(L)	18.4	1,180	20.5	1,300	45,500	1.680
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

.500 S&W

Barrel: 8.37", Twist: 1-18" Primer: WIN WLR Bullet Dia.: .500"

5744	370	CP	WFNGC(L)	32.0	1,204	Reduced Load			
5744	370	CP	WFNGC(L)	38.3	1,432	42.5	1,566	41,800	2.020
5744	440	CP	WFNGC(L)	34.4	1,300	38.0	1,424	43,100	2.020
5744	325	BAR	XPB	39.0	1,520	43.0	1,700	41,500	2.292
5744	350	SIE	JHP	40.0	1,480	44.0	1,620	43,500	2.060
5744	375	BAR	XPB	34.0	1,376	37.5	1,500	43,500	2.292
5744	400	SIE	JSP	37.0	1,385	41.0	1,520	43,200	2.060
No 9	370	CP	WFNGC(L)	32.0	1,550	35.0	1,700	56,000	2.020
No 9	440	CP	WFNGC(L)	27.0	1,325	30.5	1,490	56,000	2.020
No 9	325	BAR	XPB	32.0	1,620	36.0	1,800	54,000	2.292
No 9	350	SIE	JHP	32.8	1,610	36.5	1,790	56,500	2.060
No 9	375	BAR	XPB	29.0	1,460	32.5	1,650	57,000	2.292
No 9	400	SIE	JSP	31.0	1,490	34.5	1,670	57,500	2.060
4100	370	CP	WFNGC(L)	39.0	1,650	43.5	1,825	56,000	2.020
4100	440	CP	WFNGC(L)	33.0	1,420	37.0	1,650	57,000	2.020
4100	325	BAR	XPB	38.0	1,680	42.0	1,820	57,000	2.292
4100	350	SIE	JHP	38.7	1,680	43.0	1,875	57,500	2.060
4100	375	BAR	XPB	33.0	1,475	37.5	1,665	57,000	2.292
4100	400	SIE	JSP	35.0	1,510	40.0	1,700	57,800	2.060
1680	370	CP	WFNGC(L)	43.0	1,375	47.5	1,550	37,000	2.020
1680	440	CP	WFNGC(L)	38.7	1,267	43.0	1,458	35,000	2.020
1680	375	BAR	XPB	38.0	1,250	42.0	1,450	36,500	2.292
1680	400	SIE	JSP	40.5	1,305	45.0	1,454	29,400	2.060

RIFLE

.17 Remington

Barrel: 24", Twist: 1-10" Primer: FED 205 Bullet Dia.: .172"

	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)
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	3,560	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 Dia.: .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 Dia.: .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 Dia.: .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	BRG	LTB	22.5	3,124	25.0	3,426	62,965	2.240

.204 Ruger

Barrel: 24", Twist: 1-12" Primer: WIN WSR Bullet Dia.: .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	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	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 @ 59000 psi (Standard Loads)

Barrel: 24", Twist: 1-12" Primer: WIN WSR Bullet Dia.: .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 @ 63000 psi

Barrel: 24", Twist: 1-12" Primer: WIN WSR Bullet Dia.: .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

.20 BR @ 59000 psi (Standard Loads)

Barrel: 24", Twist: 1-12" Primer: WIN WSR Bullet Dia.: .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 @ 63000 psi

Barrel: 24", Twist: 1-12" Primer: WIN WSR Bullet Dia.: .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 .224 Diameter Bore

Barrel: 20", Twist 1-14" Primer: REM 6 ½ Bullet Dia.: .224"

	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	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	SX	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	SX	10.4	2,105	11.5	2,392	50,032	1.780

.222 Remington

Barrel: 24", Twist: 1-14" Primer: REM 7 ½ Bullet Dia.: .224"

2015	40	NOS	B-TIP	20.7	3,085	23.0	3,422	45,700	2.120
2015	45	NOS	SB	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	SB	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	SB	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: FED 205 Bullet Dia.: .224"

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	55,000	2.230
2015	35	HDY	V-MAX	22.5	3,289	25.0	3,738	53,186	2.130
2015	40	NOS	B-Tip	22.8	3,230	25.4	3,671	***52,600***	2.260
2015	45	SIE	Hornet	22.5	3,058	25.0	3,475	***49,800***	2.115
2015	50	SIE	BK	22.1	2,921	24.5	3,319	***47,100***	2.235
2015	52	BRG	HP	20.4	2,855	22.7	3,245	54,959	2.250
2015	53	HDY	HP	21.2	2,818	23.5	3,203	***48,500***	2.225
2015	55	NOS	B-TIP	21.6	2,829	24.0	3,215	***50,500***	2.230
2230	35	HDY	V-MAX	25.4	3,402	28.3	3,866	48,010	2.130
2230	36	BAR	VG	25.2	3,448	28.0	3,872	51,700	2.148
2230	40	BAR	VAR	23.7	3,138	26.4	3,566	***51,500***	2.260
2230	45	BRG	HP	23.3	2,980	25.9	3,387	***51,200***	2.115
2230	50	SIE	BK	22.5	2,882	25.0	3,275	***50,500***	2.235
2230	52	SIE	HPBT	21.1	2,892	23.5	3,287	54,970	2.250
2230	53	HDY	HP	22.5	2,805	25.0	3,187	***50,600***	2.225
2230	55	NOS	B-TIP	22.5	2,773	25.0	3,152	***51,000***	2.230
2230	60	HDY	PART	21.2	2,663	23.5	3,025	***49,900***	2.235
2230	62	BRG	HP	20.4	2,623	22.8	2,982	54,950	2.250
2230	64	BRG	HP	20.3	2,566	22.5	2,916	54,915	2.250
2460	40	NOS	B-TIP	24.2	3,169	26.9	3,602	***51,700***	2.260
2460	45	BRG	HP	23.8	2,998	26.4	3,406	***50,000***	2.115
2460	50	BAR	VAR	22.5	2,871	25.0	3,262	***47,800***	2.235
2460	52	SIE	BTHP	21.9	2,874	24.3	3,267	54,981	2.250
2460	55	NOS	B-TIP	22.9	2,786	25.4	3,166	***49,900***	2.230
2460	60	HDY	V-MAX	21.8	2,652	24.2	3,014	***50,100***	2.235
2460	64	BRG	HP	20.7	2,572	23.0	2,922	53,100	2.250
2495	55	SIE	BK	22.7	2,820	25.2	3,206	***51,800***	2.230
2495	60	SIE	HP	21.3	2,626	23.7	2,985	55,000	2.235
2520	60	HDY	SP	23.8	2,720	26.4	3,091	54,516	2.235
2520	64	BRG	HP	22.5	2,655	25.0	3,017	54,980	2.250

Bold Italicized = CUP Pressure

.223 Remington (1 in 7 or 9 twist)

Barrel: 24", Twist: 1-7" or 1-9" Primer: FED 205 Bullet Dia.: .224"

2460	69	NOS	HPBT	21.3	2,579	23.7	2,991	***51,800***	2.250
2460	75	HDY	HPBT	21.1	2,457	23.5	2,792	***50,400***	2.255
2460	80	SIE	HPBT	20.7	2,404	23.0	2,732	***50,200***	2.450
2495	69	SIE	HPBT	21.6	2,556	24.0	2,905	***50,500***	2.250
2495	80	NOS	HPBT	20.4	2,404	22.6	2,732	***52,300***	2.450
2520	69	SIE	HPBT	23.3	2,625	25.9	2,983	***48,900***	2.250
2520	75	HDY	HPBT	22.0	2,522	24.5	2,866	***52,500***	2.255
2520	80	SIE	HPBT	21.6	2,411	24.0	2,740	***50,400***	2.450

Bold Italicized = CUP Pressure

.22-250 Remington

Barrel: 24", Twist: 1-14" Primer: WIN WLR Bullet Dia.: .224"

2460	40	NOS	B-TIP	33.7	3,663	37.5	4,163	60,500	2.405
2460	45	BRG	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	36	BAR	VG	36.0	3,635	40.0	4,055	63,800	2.350
2520	40	BAR	VAR	34.6	3,673	38.5	4,174	61,800	2.405
2520	45	BRG	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	BRG	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	BRG	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	BRG	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 Dia.: .224"

4064	36	BAR	VG	37.8	3,690	42.3	4,105	60,495	2.638
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	BRG	HP	37.1	3,229	39.0	3,435	64,000	2.660

.223 Winchester Super Short Magnum

Barrel: 24", Twist: 1-12" Primer: WIN WLR Bullet Dia.: .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	36	BAR	VG	46.4	3,815	51.5	4,298	63,900	2.041
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 ½ Bullet Dia.: .243"

2015	60	BRG	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	BRG	HP	26.6	2,794	29.5	3,175	49,500	2.050
2230	70	BRG	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	BRG	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

6mm BR Remington

Barrel: 24", Twist: 1-14" Primer: FED 205 Bullet Dia.: .243"

	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)
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	BRG	HP	29.3	2,865	32.5	3,256	52,500	2.170
2460	60	BRG	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	BRG	HP	29.7	2,746	33.0	3,121	51,200	2.120

.243 Winchester

Barrel: 24", Twist: 1-10" Primer: REM 9 ½ Bullet Dia.: .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 Remington

Barrel: 24", Twist: 1-10" Primer: FED 210M Bullet Dia.: .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

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .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 Dia.: .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
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

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .257"

4064	87	HDY	SP	40.0	3,033	44.5	3,370	62,900	2.213
4064	100	NOS	B-TIP	38.7	2,876	43.0	3,196	62,800	2.300
4064	100	BAR	TSX	37.8	2,837	42.0	3,153	61,000	2.242
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	NOS	B-TIP	43.7	2,982	48.5	3,313	64,800	2.300
2700	100	BAR	TSX	43.2	2,970	48.0	3,300	62,200	2.242
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 Dia.: .257"

2700	75	HDY	V-MAX	47.7	3,302	53.0	3,753	62,500	3.065
2700	90	SIE	HPBT	45.0	3,006	50.0	3,416	62,920	3.075
4350	75	HDY	V-MAX	53.1	3,326	59.0	3,780	61,400	3.065
4350	90	SIE	HPBT	48.6	3,055	54.0	3,472	62,900	3.075
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	120	SIE	HPBT	48.6	2,777	54.0	3,039	61,000	3.200

6.5x55mm Swedish Mauser

Barrel: 24", Twist: 1-9" Primer: WIN WLR Bullet Dia.: .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 Dia.: .264"

	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)
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

6.5 Grendel

Barrel: 24", Twist: 1-10" Primer: WIN WSR Bullet Dia.: .277"

2230	85	SIE	HP	27.4	2,761	30.8	2,987	51,700	2.150
2230	95	HDY	V-MAX	25.5	2,635	28.3	2,820	51,800	2.190
2230	100	NOS	B-TIP	25.3	2,506	28.1	2,740	51,600	2.230
2230	107	SIE	HPBT	24.8	2,420	27.8	2,620	51,500	2.260
2230	120	SIE	HPBT	23.6	2,312	26.3	2,490	51,900	2.260

6.8 SPC

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .277"

2015	90	SIE	HP	26.6	2,500	29.5	2,774	55,500	2.240
2015	110	HDY	V-MAX	24.8	2,433	27.5	2,534	57,800	2.260
2015	130	NOS	B-TIP	22.5	2,050	25.0	2,276	58,000	2.260
2230	90	SIE	HP	27.9	2,565	31.0	2,850	55,500	2.240
2230	110	HDY	V-MAX	26.6	2,356	29.5	2,620	57,200	2.260
2230	130	SIE	SPT	24.3	2,140	27.0	2,375	57,800	2.260

.270 Winchester

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .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	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	150	SIE	SBT	55.4	2,725	61.5	3,000	63,600	3.300

"The ultimate Winchester Super Short Mag powder"

Accurate 2700

Load Density - The perfect combination of case capacity and powder for peak performance.

Performance - For maximum velocities, no other reloading powder comes close. Exceeds factory loads by as much as 200 fps.

.270 Winchester Short Magnum

Barrel: 24", Twist: 1-10" Primer: WIN WLRM Bullet Dia.: .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	SIE	SPBT	59.4	2,870	66.0	3,212	60,300	2.700
3100	130	BAR	TSX	58.5	2,780	65.0	3,100	55,000	2.792
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	SIE	SPBT	68.0	3,062	75.5	3,359	61,600	2.700
Magpro	130	BAR	TSX	65.3	2,925	72.5	3,250	62,300	2.792
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 Dia.: .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

7x57mm Mauser

Barrel: 24", Twist: 1-9" Primer: FED 210 Bullet Dia.: .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 Dia.: .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	140	BAR	XLC	45.9	2,443	51.0	2,776	55,900	3.310
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

Barrel: 24", Twist: 1-9.5" Primer: FED 215 Bullet Dia.: .284"

	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)
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

Barrel: 24", Twist: 1-9" Primer: WIN WLRM Bullet Dia.: .284"

5744*	160	SIE	HPBT	26.5	1,519	29.4	2,120	33,600	2.760
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

*Caution, Reduced Load

7mm Remington Magnum

Barrel: 24", Twist: 1-9" Primer: REM 9 ½M Bullet Dia.: .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
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	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 Dia.: .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
8700	140	BAR	X	84.6	2,876	94.0	3,268	64,700	3.600
8700	150	NOS	B-TIP	84.6	2,845	94.0	3,233	64,400	3.600
8700	160	BAR	X	83.7	2,746	93.0	3,120	61,300	3.600
8700	160	NOS	PART	83.7	2,796	93.0	3,177	62,600	3.600
8700	175	HDY	SP	83.7	2,681	93.0	3,047	60,500	3.600

.30-30 Winchester

Barrel: 24", Twist: 1-12" Primer: WIN WLR Bullet Dia.: .308"

	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	170	LC	RNFP(L)	19.8	1,791	22.0	2,035	32,800	2.550
5744	190	LYM	311644(L)	20.0	1,754	22.0	1,953	35,300	2.800
2460	170	LC	RNFP(L)	24.8	1,775	27.5	2,017	28,300	2.550
2460	190	LYM	311644(L)	24.3	1,785	27.0	2,028	37,500	2.800
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	170	LC	RNFP(L)	24.8	1,771	27.5	2,013	35,100	2.550
2495	190	LYM	311644(L)	24.7	1,707	27.5	1,940	30,600	2.800
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	170	LC	RNFP(L)	25.7	1,807	28.5	2,053	29,300	2.550
2520	190	LYM	311644(L)	25.6	1,805	28.5	2,051	36,300	2.800
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	170	LC	RNFP(L)	27.0	1,777	30.0	2,020	28,600	2.550
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

.308 Winchester

Barrel: 24", Twist: 1-12" Primer: FED 210 Bullet Dia.: .308"

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	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	37.3	2,272	41.5	2,582	58,800	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	41.9	2,472	46.5	2,809	57,466	2.745
2520	168	SIE	HPBT	40.5	2,387	45.0	2,712	59,236	2.800
2520	175	SIE	HPBT	37.8	2,285	42.0	2,597	61,000	2.800
2520	180	NOS	B-TIP	40.1	2,302	44.5	2,616	58,056	2.800
2520	190	SIE	HPBT	37.4	2,128	41.5	2,418	55,578	2.800
4064	150	HDY	SST	40.9	2,428	45.5	2,760	54,870	2.745
4064	168	SIE	HPBT	38.7	2,262	43.0	2,571	50,740	2.800
4064	175	SIE	HPBT	39.1	2,303	43.5	2,618	59,300	2.800
4064	180	NOS	B-TIP	37.8	2,170	42.0	2,466	51,684	2.800
4064	190	SIE	HPBT	36.9	2,125	41.0	2,415	52,746	2.800

.30-06 Springfield

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .308"

4064	180	LYM	311322(L)	40.5	2,148	45.0	2,441	36,000	3.015
4064	200	LC	RNGC(L)	38.7	2,027	43.0	2,304	43,900	3.195
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	180	LYM	311322(L)	41.4	2,078	46.0	2,361	38,900	3.015
2700	200	LC	RNGC(L)	39.6	1,932	44.0	2,196	42,000	3.195
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	3.285
2700	165	BAR	X	48.6	2,382	54.0	2,707	58,500	3.245
2700	168	SIE	HPBT	48.6	2,404	54.0	2,732	57,700	3.295
2700	180	SIE	HPBT	49.5	2,328	55.0	2,646	56,000	3.290
2700	190	SIE	HPBT	46.8	2,217	52.0	2,519	53,700	3.325
2700	200	NOS	PART	46.4	2,148	51.5	2,441	53,900	3.295
2700	220	SIE	RN	44.6	2,048	49.5	2,327	58,200	3.200
4350	165	BAR	X	51.3	2,428	57.0	2,759	56,300	3.245
4350	175	SIE	HPBT	51.3	2,486	57.0	2,825	56,300	3.290
4350	180	SIE	HPBT	51.3	2,389	57.0	2,715	56,400	3.290
4350	190	SIE	HPBT	50.0	2,343	55.5	2,663	60,000	3.325
4350	200	NOS	PART	49.5	2,261	55.0	2,569	58,800	3.295
4350	220	SIE	RN	49.5	2,171	55.0	2,467	59,400	3.200

.300 Remington Short Action Ultra Magnum

Barrel: 24", Twist: 1-10" Primer: FED 210 Bullet Dia.: .308"

	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*	165	HDY	SP	20.4	1,527	30.5	2,120	29,700	2.680
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	Sirocco	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	Sirocco	54.5	2,676	60.5	2,954	64,600	2.800
2700	200	NOS	Accubond	52.0	2,480	58.0	2,800	64,300	2.800

*Caution, Reduced Load

.300 H&H Magnum

Barrel: 24", Twist: 1-10" Primer: WIN WLRM Bullet Dia.: .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 Short Magnum

Barrel: 24", Twist: 1-10" Primer: WIN WLRM Bullet Dia.: .308"

5744*	165	NOS	B-TIP	27.5	1,864	30.5	2,071	27,900	2.800
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

*Caution, Reduced Load

.300 Winchester Magnum

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .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
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

.300 Weatherby Magnum

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .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
8700	150	BAR	X	83.7	2,575	93.0	2,926	44,900	3.560
8700	165	BAR	X	84.6	2,517	94.0	2,860	44,500	3.555
8700	180	NOS	B-TIP	83.7	2,495	93.0	2,835	45,200	3.560
8700	180	WIN	FS	84.6	2,520	94.0	2,864	48,900	3.560

RIFLE

.300 Remington Ultra Magnum

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .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
8700	180	NOS	PART	101.7	2,924	113.0	3,323	62,400	3.600
8700	180	BAR	X	101.7	2,891	113.0	3,286	62,000	3.600
8700	200	SWF	AF	99.0	2,741	111.0	3,115	59,200	3.550
8700	220	SIE	RN	95.4	2,614	106.0	2,970	62,200	3.570

8x57mm JS Mauser

Barrel: 24", Twist: 1-10" Primer: WIN WLR Bullet Dia.: .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

Barrel: 24", Twist: 1-10" Primer: WIN WLRM Bullet Dia.: .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 Dia.: .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
8700	150	HDY	SP	88.2	2,655	98.0	3,017	44,700	3.565
8700	175	SIE	SPT	87.3	2,475	97.0	2,813	40,000	3.565
8700	200	SIE	HPBT	86.4	2,516	96.0	2,859	48,600	3.595

.338 Federal

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .323"

5744	200	HDY	SPBT	24.0	1,675	Reduced Load			
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- Intlk	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- Intlk	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	Accubond	38.3	2,261	42.5	2,427	59,850	2.814

.338 Winchester Magnum

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .338"

2700	200	NOS	B-TIP	67.0	2,724	70.5	2,898	61,200	3.335
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	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
3100	225	HDY	SP	65.7	2,360	73.0	2,682	55,900	3.340
3100	250	SIE	SBT	63.9	2,294	71.0	2,607	59,100	3.340

.338 Lapua

Barrel: 26", Twist: 1-10" Primer: WIN WLRM Bullet Dia.: .338"

Magpro	250	SIE	HPBT	84.0	2,650	93.0	2,925	64,500	2.680
Magpro	300	SIE	HPBT	82.0	2,490	91.0	2,750	64,800	2.680

.338 Remington Ultra Magnum

Barrel: 24", Twist: 1-10" Primer: FED 215 Bullet Dia.: .338"

	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	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

.35 Whelen

Barrel: 24", Twist: 1-12" Primer: FED 210 Bullet Dia.: .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 H&H Magnum

Barrel: 24", Twist: 1-12" Primer: FED 215 Bullet Dia.: .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

Barrel: 24", Twist: 1-12" Primer: WIN WLRM Bullet Dia.: .375"

5744*	250	SIE	SPBT	43.2	1,895	48.0	2,105	30,500	3.595
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

*Caution, Reduced Load

.416 Remington Magnum

Barrel: 24", Twist: 1-14" Primer: WIN WLRM Bullet Dia.: .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

.444 Marlin

Barrel: 24", Twist: 1-38" Primer: WIN WLR Bullet Dia.: .429"

5744	200	LC	RNFP(L)	34.2	1,958	38.0	2,225	***41,000***	2.560
5744	240	LC	SWC(L)	32.4	1,804	36.0	2,051	***39,200***	2.570
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
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

Bold Italicized = CUP Pressure

RIFLE

.45-70 Government Springfield Trap Door <18000 psi

Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458"

5744	405	LC	FP(L)	24.3	1,226	27.0	1,394	16,100	2.550
5744	420	CP	LFNGC(L)	25.6	1,210	28.5	1,375	16,100	2.600
5744	460	CP	LFNGC(L)	24.3	1,102	27.0	1,253	18,800	2.680
5744	500	MCB	RN(L)	23.4	1,070	26.0	1,217	16,100	2.635
5744	525	MCB	SS(L)	21.6	1,060	24.0	1,205	16,300	2.655
5744	530	LYM	Postell(L)	20.1	1,036	22.4	1,178	18,600	2.950

.45-70 Government Standard Rifles <28000 psi

Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458"

5744	405	LC	FP(L)	30.6	1,468	34.0	1,600	27,800	2.550
5744	420	CP	LFNGC(L)	29.3	1,401	32.5	1,538	27,000	2.550
5744	440	CP	LFNGC(L)	28.1	1,362	31.2	1,490	27,600	2.550
5744	460	CP	WFNGC(L)	27.5	1,321	30.5	1,444	27,200	2.550
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
2015	405	LC	FP(L)	44.3	1,666	49.2	1,817	27,400	2.550
2015	420	CP	LFNGC(L)	42.6	1,584	47.3	1,763	27,400	2.550
2015	440	CP	LFNGC(L)	38.6	1,514	43.2	1,652	27,300	2.550
2015	460	CP	WFNGC(L)	38.3	1,482	42.6	1,636	27,100	2.550
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	405	LC	FP(L)	38.6	1,550	43.2	1,694	27,500	2.550
2230	420	CP	LFNGC(L)	38.0	1,523	42.2	1,646	27,400	2.550
2230	440	CP	LFNGC(L)	34.5	1,437	38.3	1,553	28,000	2.550
2230	460	CP	WLFNGC(L)	34.4	1,404	38.2	1,511	27,300	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	500	HDY	RN	32.8	1,167	36.4	1,306	27,400	2.550

.45-70 Government Ruger No. 1 and 3 <40000 psi

Barrel: 24", Twist: 1-20" Primer: WIN WLR Bullet Dia.: .458"

5744	405	LC	FP(L)	36.0	1,667	40.0	1,826	38,400	2.550
5744	420	CP	LFNGC(L)	35.1	1,641	39.0	1,783	38,200	2.550
5744	440	CP	LFNGC(L)	32.9	1,558	36.5	1,705	38,000	2.550
5744	460	CP	WFNGC(L)	32.6	1,523	36.2	1,666	38,200	2.550
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	FNSP	36.9	1,620	41.0	1,787	38,100	2.550
2230	405	LC	FP(L)	48.2	1,845	53.5	1,978	38,700	2.550
2230	420	CP	LFNGC(L)	46.8	1,791	52.2	1,920	37,400	2.550
2230	440	CP	LFNGC(L)	42.8	1,674	47.5	1,804	38,600	2.550
2230	460	CP	WFNGC(L)	42.8	1,668	47.5	1,782	37,900	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	FNSP	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

.458 Winchester Magnum

Barrel: 24", Twist: 1-14" Primer: FED 215 Bullet Dia.: .458"

5744	405	CP	WLNGC(L)	45.9	1,909	51.0	2,170	59,708	3.000
5744	460	CP	WFNGC(L)	44.1	1,779	49.0	2,022	61,360	3.110
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 Dia.: .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

12 gauge

SHOTSHELL

Remington STS Hulls

Cartridge length: 2.300"
Case length: 2¾"

Primers: Std. 209 (Win/Rem/Cheddite)

Crimp: 8-Fold
Crimp depth: 0.080"

			Light loads				Standard Target: Trap Skeet etc						Extreme target loads/Hunting							
			1050 Fps		1100 Fps		1150 Fps		1200 Fps		1250 Fps		1300 Fps		1350 Fps		1400 Fps		1450 Fps	
Weight oz.	Powder	Wads	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi
7/8	N100	CB4100-12					14.9	6100	15.8	6900	16.7	7800	17.6	8600	18.5	9500	19.5	10300	20.4	11100
7/8	N100	CB0178-12					14.8	6700	15.6	7500	16.5	8300	17.4	9100	18.3	10000	19.2	10800		
7/8	N100	WAA 12 L			13.1	6000	14.0	7000	15.1	8200	16.0	9200	17.0	10300	18.0	11400				
7/8	S1000	CB4100-12									19.3	6400	20.2	7100	21.1	7700	22.0	8400	22.9	9000
7/8	S1000	CB0178-12							18.3	6000	19.2	6700	20.0	7300	20.7	7900	21.5	8500	22.2	9100
7/8	S1000	WAA 12 L							17.9	6400	18.9	7300	19.8	8200	20.8	9100	21.8	10000	22.8	10900
7/8	S1250	CB4100-12									23.6	6000	24.3	6400	25.0	6900	25.7	7300		
7/8	S1250	CB0178-12									24.3	6100	25.1	6500	25.9	6900	26.7	7300		
7/8	S1250	WAA12L									23.1	6500	23.9	7000						
1	N100	CB4100-12	13.7	6100	14.6	7000	15.5	7800	16.4	8700	17.4	9700	18.3	10600	19.3	11500				
1	N100	CB1100-12	13.9	6600	14.7	7500	15.4	8200	16.5	9300	17.4	10200	18.3	11100						
1	N100	CB2100-12	13.3	6800	14.3	7900	15.2	8800	16.3	10000	17.4	11200								
1	N100	REM 12 L	13.0	6700	14.0	7800	14.8	8700	15.8	9800	16.9	11000								
1	N100	WAA 12 SL	12.8	6700	13.8	7900	14.4	8600	15.8	10200										
1	S1000	CB4100-12					17.8	6300	18.9	7400	19.9	8300	20.9	9200	21.9	10100	22.8	11000		
1	S1000	CB1100-12					17.3	6300	18.8	7500	19.9	8400	21.1	9300	22.2	10300	23.3	11200		
1	S1000	CB2100-12			16.8	6000	17.7	7000	18.8	8200	19.8	9300	20.9	10400	21.9	11400				
1	S1000	REM 12 L			16.4	6400	17.0	6900	18.3	8100	19.4	9200	20.4	10100	21.4	11100				
1	S1000	WAA 12 SL			16.1	6200	17.5	7900	18.3	8800	19.4	10100	20.5	11400						
1	S1250	CB4100-12							22.7	6500	23.6	7100	24.5	7800	25.4	8400				
1	S1250	CB1100-12							23.9	6400	24.8	6900	25.8	7400	26.7	8000				
1	S1250	CB2100-12					22.0	6400	23.1	7100	23.9	7600	24.9	8200	25.8	8800				
1	S1250	REM12L					21.5	6100	22.6	6600	23.7	7200	24.8	7800	25.9	8400				
1	S1250	WAA12SL					21.3	6400	22.3	7200	23.2	7900	24.2	8700						
1 1/8	N100	WAA 12	13.0	9300	14.2	10600	14.8	11300												
1 1/8	N100	WT 12	13.2	8600	14.3	9900	15.6	11500												
1 1/8	N100	REM 12 H	13.6	8000	14.7	9200	15.7	10200												
1 1/8	N100	REM FIG 8	13.7	7700	14.8	9000	15.7	10200												
1 1/8	N100	REM RXP 12	13.3	8500	14.5	9700	16.1	11200												
1 1/8	N100	REM TGT 12	13.7	8000	14.8	9200	15.8	10400												
1 1/8	N100	CB4118-12B	13.8	7200	14.9	8400	16.0	9700	17.0	10800										
1 1/8	N100	CB3118-12A	13.5	8200	14.6	9500	15.9	11000												
1 1/8	N100	CB3118-12AR	13.7	7940	14.7	9227	15.7	10514												
1 1/8	N100	CB1118-12	13.5	8600	14.6	9800	15.5	10800												
1 1/8	N100	CB0118-12	13.5	8000	14.7	9300	16.0	10800												
1 1/8	N100	CB2118-12	13.6	8700	14.7	9900	15.8	11100												
1 1/8	S1000	CB4118-12B	16.1	6000	17.2	7200	18.4	8600	19.4	9700	20.5	10900								
1 1/8	S1000	CB3118-12A	15.7	6600	16.9	7900	17.5	8600	19.3	10500										
1 1/8	S1000	CB3118-12AR	15.5	6400	16.7	7800	17.8	9000	19.2	10600										
1 1/8	S1000	CB1118-12	15.6	6800	16.8	8100	17.9	9300	19.2	10800										
1 1/8	S1000	CB0118-12	15.5	6600	16.8	7800	18.1	9100	19.3	10300										
1 1/8	S1000	CB2118-12	15.3	7714	16.4	9112	17.5	10510												
1 1/8	S1000	REM 12 H	15.3	6500	16.5	7900	17.7	9300	19.0	10700										
1 1/8	S1000	REM FIG 8	15.8	6700	17.1	7900	18.2	9000	19.5	10300	20.8	11500								
1 1/8	S1000	REM RXP 12	15.6	6600	16.9	7900	17.8	8900	19.4	10500										
1 1/8	S1000	REM TGT 12	15.8	6600	17.0	7900	18.1	9100	19.3	10400										
1 1/8	S1000	WAA 12	15.3	7000	16.5	8600	17.7	10100												
1 1/8	S1000	WT 12	15.5	6400	16.6	7900	18.1	9600	19.0	10800										
1 1/8	S1250	CB4118-12B			21.9	6100	22.7	6700	23.9	7400	24.9	8100	25.9	8700	26.9	9300				
1 1/8	S1250	CB3118-12A			21.1	6200	22.8	7600	23.3	8000	24.4	9000	25.5	9900	26.7	10800				
1 1/8	S1250	CB3118-12AR			21.3	6400	22.3	7000	23.6	7900	24.6	8600	25.9	8700	26.9	9300				
1 1/8	S1250	CB1118-12			20.0	6400	20.8	7000	22.3	8200	23.5	9300	24.7	10200	25.9	11200				
1 1/8	S1250	CB0118-12			21.4	6500	22.4	6900	23.1	7800	24.3	8600	25.2	9400	26.2	10100				
1 1/8	S1250	CB2118-12			20.2	6700	21.9	8300	22.4	8800	23.5	9800	24.6	10800						
1 1/8	S1250	REM12H			20.2	6000	21.3	7000	22.5	8000	23.6	9000	24.8	10000	26.0	11000				
1 1/8	S1250	REMFIG8					21.2	6000	22.3	6700	23.3	7400	24.4	8100	25.4	8800				
1 1/8	S1250	REMRXP12					20.9	6800	22.2	8000	23.5	9300	24.8	10500						
1 1/8	S1250	REMTGT12							22.5	6600	23.5	7400	24.4	8100						
1 1/8	S1250	WAA12			20.0	6400	21.1	7500	22.2	8700	23.4	9900	24.5	11100						
1 1/8	S1250	WT12			20.2	6100	21.3	7200	22.4	8300	23.5	9500	24.6	10600						

12 gauge

WAA-HS 2 Piece
(can also use loads in old 1 piece hull)

Cartridge length: 2.300"
Case length: 2¾"

Primers: Std. 209 (Win/Rem/Cheddite)

Crimp: 8-Fold
Crimp depth: 0.080"

			Light loads				Standard Target: Trap Skeet etc						Extreme target loads/Hunting							
			1050 Fps		1100 Fps		1150 Fps		1200 Fps		1250 Fps		1300 Fps		1350 Fps		1400 Fps		1450 Fps	
Weight oz.	Powder	Wads	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi	Chrg grains	Press psi
7/8	N 100	CB4100-12					14.5	6388	15.5	7241	16.4	8095	17.4	8948	18.4	9801	19.3	10655	20.3	11500
7/8	N 100	CB0178-12			13.4	5473	14.3	6510	15.2	7548	16.1	8585	17.0	9623	17.9	10660				
7/8	N 100	WAA 12 L			13.1	5774	14.1	6877	15.0	7979	16.0	9082	16.9	10184	17.8	11286				
7/8	S1000	CB4100-12							18.5	5903	19.5	6463	20.5	7023	21.5	7582	22.5	8142	23.4	8702
7/8	S1000	CB0178-12							17.9	6114	18.8	6889	19.8	7664	20.7	8439	21.7	9214	22.6	9989
7/8	S1000	WAA 12 L					16.7	5641	17.6	6571	18.6	7501	19.5	8431	20.4	9361	21.4	10290	22.3	11220
7/8	S1250	CB4100-12							23.0	5683	23.8	6090	24.7	6497	25.5	6904	26.4	7311		
7/8	S1250	CB0178-12							22.2	5733	23.0	6206	23.9	6679	24.7	7152	25.6	7625		
7/8	S1250	WAA 12 L							21.7	5757	22.6	6458	23.5	7159	24.4	7861				
1	N100	CB4100-12	13.4	6353	14.4	7340	15.3	8327	16.3	9315	17.3	10302	18.2	11289						
1	N100	CB1100-12	12.7	6086	13.7	7216	14.8	8346	15.9	9476	16.9	10606								
1	N100	CB2100-12	13.2	6368	14.2	7668	15.1	8968	16.0	10268	16.9	11500								
1	S1000	CB4100-12			16.8	5745	17.9	6697	18.9	7648	20.0	8600	21.1	9551	22.2	10503	23.3	11455		
1	S1000	CB1100-12			16.5	6069	17.5	7047	18.4	8025	19.4	9003	20.4	9981	21.3	10959				
1	S1000	CB2100-12			16.5	6212	17.5	7354	18.4	8495	19.3	9636	20.2	10777						
1	S1000	REM 12 L	14.9	4987	16.0	6113	17.0	7239	18.1	8365	19.1	9491	20.2	10617	21.3	11743				
1	S1000	WAA 12 SL	14.7	5143	15.8	6279	16.9	7414	18.0	8549	19.1	9684	20.2	10819	21.3	11954				
1	S1250	CB4100-12			20.3	5679	21.2	6178	22.1	6678	23.0	7177	23.9	7677	24.8	8176	25.7	8675		
1	S1250	CB1100-12					21.2	5595	22.2	6426	23.1	7256	24.1	8086	25.1	8917	26.1	9747		
1	S1250	CB2100-12					21.1	5915	22.1	6797	23.0	7679	24.0	8561	25.0	9444	25.9	10326		
1	S1250	REM 12 L					21.0	5900	22.1	6601	23.2	7301	24.3	8002	25.3	8702				
1	S1250	WAA 12 SL					20.5	6106	21.6	6958	22.8	7814	23.9	8669						
1 1/8	N100	WAA 12	13.1	9904	14.3	10792	15.4	11679												
1 1/8	N100	WT 12	13.4	9862	14.5	10721	15.5	11580												
1 1/8	N100	REM 12 H	13.8	8257	14.8	9488	15.8	10719	16.8	11950										
1 1/8	N100	REM FIG 8	13.6	7940	14.7	9253	15.7	10567	16.8	11881										
1 1/8	N100	REM RXP 12	13.2	9471	14.4	10456	15.5	11442												
1 1/8	N100	REM TGT 12	13.4	8164	14.5	9394	15.6	10624	16.7	11854										
1 1/8	N100	CB4118-12B	13.7	7452	14.8	8783	15.8	10114	16.9	11446										
1 1/8	N100	CB3118-12A	13.5	8277	14.6	9530	15.7	10782												
1 1/8	N100	CB3118-12AR	13.8	8075	14.8	9330	15.8	10585	16.8	11840										
1 1/8	N100	CB1118-12	13.6	8603	14.5	9745	15.6	10886												
1 1/8	N100	CB0118-12	13.5	8464	14.6	9646	15.6	10828												
1 1/8	N100	CB2118-12	13.6	8612	14.7	9772	15.7	10932												
1 1/8	S1000	REM 12 H	15.2	6641	16.4	8060	17.6	9480	18.8	10899										
1 1/8	S1000	REM FIG 8	15.6	6423	16.7	7820	17.8	9217	18.9	10614										
1 1/8	S1000	REM RXP 12	14.7	6240	16.0	7909	17.3	9578	18.6	11247										
1 1/8	S1000	REM TGT 12	14.9	5538	16.2	7214	17.5	8891	18.8	10567										
1 1/8	S1000	WAA 12	15.5	7546	16.8	8844	17.8	10141	18.9	11439										
1 1/8	S1000	WT 12	15.2	6698	16.4	8292	17.6	9886	18.8	11481										
1 1/8	S1000	CB4118-12B	16.0	6252	17.1	7448	18.2	8643	19.3	9839	20.4	11035								
1 1/8	S1000	CB3118-12A	15.2	5837	16.5	7482	17.8	9128	19.0	10773										
1 1/8	S1000	CB3118-12AR	15.8	6440	16.9	7899	18.0	9358	19.0	10817										
1 1/8	S1000	CB1118-12	15.6	7175	16.6	8427	17.7	9679	18.8	10930										
1 1/8	S1000	CB0118-12	15.4	6383	16.5	7906	17.7	9430	18.8	10953										
1 1/8	S1000	CB2118-12	15.3	6516	16.5	8081	17.7	9647	18.8	11212										
1 1/8	S1250	REM 12 H					21.0	6831	22.3	8078	23.5	9325	24.8	10572						
1 1/8	S1250	REM FIG 8					21.0	6801	22.2	7933	23.4	9065	24.6	10198						
1 1/8	S1250	REM RXP 12			19.1	5937	20.3	7253	21.5	8568	22.7	9884	23.8	11189						
1 1/8	S1250	REM TGT 12	19.2	6042	20.0	6647	20.9	7241	21.8	7840	22.6	8439	23.5	9038						
1 1/8	S1250	WAA 12			19.5	5656	20.6	7163	21.8	8679	22.9	10191	24.0	11702						
1 1/8	S1250	WT 12			19.2	5616	20.3	7000	21.5	8384	22.7	9768	23.9	11153						
1 1/8	S1250	CB4118-12B			20.5	5799	21.6	6808	22.7	7816	23.8	8824	24.8	9832	25.9	10840				
1 1/8	S1250	CB3118-12A			19.9	6304	21.1	7253	22.3	8202	23.5	9151	24.7	10099	25.9	11048				
1 1/8	S1250	CB3118-12AR			19.9	5673	21.0	6892	22.1	8112	23.2	9332	24.3	10551						
1 1/8	S1250	CB1118-12					20.3	7241	21.5	8283	22.8	9326	24.0	10369	25.2	11411				
1 1/8	S1250	CB0118-12					20.4	6850	21.6	8129	22.7	9408	23.9	10687						
1 1/8	S1250	CB2118-12			19.2	5783	20.5	7117	21.7	8451	23.0	9785	24.3	11119						

Hornady 366/APEX Presses

Desired Grains	Solo 1000 Bushing	Solo 1250 Bushing	No 2 Bushing	Nitro 100 Bushing
13.0		354		
13.5		360		366
14.0	387	369		372
14.5	393	378		375
15.0	399	384		381
15.5	408	390		387
16.0	411	396		393
16.5	417	402	351	399
17.0	420	408	357	405
17.5	429	414	363	411
18.0	432	420	366	417
18.5	435	426	372	423
19.0	438	429	378	429
19.5	441	435	384	435
20.0	447	441	387	441
20.5	453	447	393	447
21.0	459	453	396	453
21.5	468	456	402	456
22.0	474	459	408	457
22.5	480	465	411	465
23.0		471	417	
23.5		477	420	
24.0		480		
24.5		486		
25.0		492		
25.5		495		
26.0		501		
26.5		502		
27.0		510		
27.5		513		
28.0		516		
28.5		522		
29.0		525		

Ponsness Warren Presses

Letter	Solo 1000 grains	Solo 1250 grains	No 2 grains	Nitro 100 grains
D1		12.0		11.2
E		13.7	17.0	12.5
E 1		14.0	18.4	13.1
E 2		14.5	19.0	13.8
F	14.3	15.5	20.2	14.6
F1	14.5	15.7	20.5	14.8
G	15.9	17.5	22.7	16.4
G1	16.4	17.7	23.0	16.7
H	17.5	19.0	24.5	17.5
I	18.5	19.5		18.1
J	19.7	20.3		18.8
J1	20.4	20.8		19.6
K	20.7	21.4		20.1
L	21.4	22.5		21.2
M	22.1	23.5		21.3
N	23.5	25.0		23.6
O	24.0	25.5		24.2
P	24.6	26.0		24.9
Q		26.3		25.2
R		28.0		
S		28.3		

	MEC Single Stage Presses				MEC Progressive Presses			
Bushing Number	Solo 1000 grains	Solo 1250 grains	No 2 grains	Nitro 100 grains	Solo 1000 grains	Solo 1250 grains	No 2 grains	Nitro 100 grains
20		13.9	17.0			13.5	17.0	
21		14.2	18.0			13.9	18.0	
22		14.7	18.7			14.4	18.7	
23		15.0	19.4			14.8	19.4	
24		15.6	20.2			15.5	20.2	
25		16.1	20.5	15.5	14.2	16.0	20.5	15.2
26	16.0	17.0	21.6	16.3	14.5	16.8	21.6	16.0
27	16.3	17.9	22.6	17.0	15.5	17.5	22.6	16.7
28	17.3	18.4	23.5	17.5	16.2	18.0	23.5	17.1
29	18.0	19.4		18.3	17.0	18.9		18.0
30	18.8	19.9		19.1	17.4	19.6		18.7
31	19.2	20.5		19.7	19.0	20.1		19.4
32	20.8	21.2		20.3	19.6	21.0		20.0
33	21.4	22.3		20.8	20.2	22.0		20.2
34	22.0	23.1		21.5	21.0	22.6		21.1
35	22.8	23.7		22.3	21.5	23.2		21.9
36	23.3	24.6		23.0	22.0	24.3		22.6
37	23.8	25.2		23.9	22.7	25.0		23.4
38	24.5	26.4			23.5	26.0		
38A	25.3	26.7			24.5	26.5		
39	26.3	28.3				28.0		
39A		29.1				28.9		

Wad Equivalents

Claybuster WAD	Equivalent WAD
CB-0178-12	WAA 12L
CB-4100-12B	Lightning
CB-1100-12	WAA 12SL
CB-2100-12	Fed 12S0
CB-0118-12	WAA WT12
CB-1118-12	WAA 12
CB-2118-12	Fed 12S3
CB-3118-12AR	Fed 12 C1
CB-3118-12A	Rem Fig 8
CB-4118-12B	Windjammer

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