



Reloading Guide



Reloading Data

Disclaimer

All of this reloading information has been provided by Explosia a.s. The data given here were obtained in the laboratory condition following strictly the CIP (Commission Internationale Permanente) rules of June 13, 1990 and November 9, 1993. The listed maximum loads have been determined according to the respective CIP maximum pressure specification, whichever is lower.

The test methods have been deemed to be safe throughout the world. Pressure is measured at the case mouth or from inside the case according to the CIP.

DO NOT ATTEMPT ANY EXTRAPOLATIONS. PLEASE FOLLOW THE DATA AS WRITTEN. IT IS A MUST FOR EVERY RELOADER TO READ THE RELOADING SAFETY RULES ON THE PAGE 11 AND 12 OF THIS GUIDE.

Reloading data available on-line on the web page www.explosia.cz
(section Products/Reloading)

Internal ballistic computation of different weapon/ammunition/powder combination can be performed with software QUICKLOAD (author Hartmut Broemel, Babenhausen, Germany).

!!! WARNING !!!

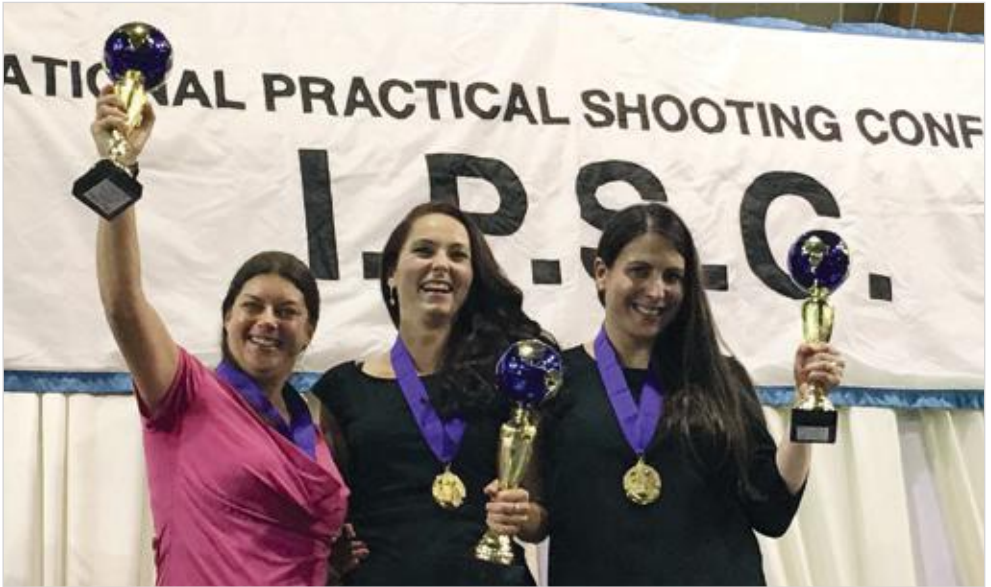
READ BEFORE USING

The task of reloading centre fire metallic cartridges should only be undertaken by some-one familiar with reloading procedures. One must observe all possible safety precautions and practices in accordance with proper handling of any explosive. We suggest you read up on reloading procedures. There are a number of excellent books on the subject.

After powder leaves our plant, we have no control over improper storage, handling, loading or using or on the condition of firearms or component use. For these reasons we make no warranty of merchantability or fitness for a particular use. All our loading data is intended solely for use in modern weapons.

Working up charges: For all pistol and rifle powders load and fire a few cartridges at 15 % less (starting) charge, than is shown as maximum load, watching for any sign of excessive pressure (difficult extraction, flattened or blown primers, unusual recoil).

**ALWAYS START AT THE SUGGESTED MINIMUM STARTING CHARGE
AND NEVER EXCEED THE LOADS LISTED IN THIS PUBLICATION!**



Czech women team IPSC world shoot XVII – Florida won 2nd place, is supported with Lovex powder.

LOVEX powders for pistols and revolvers

CALIBRES	D013	S011	S015	D032	S020	D036	D037.1	D037.2
6.35 Browning / .25 Auto								
7.6 x 25 TOKAREV								
7.65 Browning / .32 Auto								
.32 Smith & Wesson Long								
9 mm Browning Court / .380 ACP								
9 mm LUGER								
9 x 21								
.357 SIG								
9 mm Makarov								
.38 SPECIAL								
.357 MAGNUM								
.40 S&W								
10 mm AUTO								
.44 REMINGTON MAG.								
.45 Glock Auto Pistol / .45 GAP								
.45 ACP								
.45 Colt								

usable

recommended

LOVEX powders for rifles

CALIBRES	S040	D060	S053	D063	S060	D073.4	D073.5	S062	D073.6	S065	S070	S071	D100
.22 HORNET	usable		recommended	recommended					recommended				
.222 REMINGTON	usable		recommended	recommended		recommended	recommended		recommended				
.223 REMINGTON			recommended	recommended	recommended	recommended	recommended		recommended				
.22-250 REMINGTON					recommended	recommended	recommended	recommended	recommended				
5.6 x 50 R Mag.					recommended	recommended	recommended	recommended	recommended				
5.6 x 52 R					recommended			recommended		recommended			
.243 WINCHESTER					recommended			recommended		recommended	recommended		
6.5 x 52 R					recommended			recommended		recommended	recommended		
6.5 x 55 mm SE								recommended		recommended	recommended		
6.5 x 57				recommended				recommended		recommended	recommended		
6.5 x 57 R				recommended				recommended		recommended	recommended		
6.5 CREEDMOOR								recommended	recommended	recommended	recommended		recommended
.270 WINCHESTER								recommended	recommended	recommended	recommended		
7 x 57					recommended			recommended	recommended	recommended	recommended		
7 x 57 R					recommended			recommended	recommended	recommended	recommended		
7 x 64					recommended			recommended	recommended	recommended	recommended		
7 x 65 R					recommended			recommended	recommended	recommended	recommended		
7 mm REMINGTON MAG.								recommended	recommended	recommended	recommended		
.303 BRITISH					recommended	recommended	recommended	recommended	recommended				
.30 M1 CARBINE	usable			recommended									
.30-30 WINCHESTER					recommended	recommended	recommended		recommended				
.308 WINCHESTER					recommended	recommended	recommended	recommended	recommended	recommended			
.30-06 SPRINGFIELD					recommended	recommended	recommended	recommended	recommended	recommended	recommended		recommended
7.5 x 55 SUISSE					recommended			recommended	recommended	recommended	recommended		
.300 WINCHESTER MAG.								recommended		recommended	recommended	recommended	
7.62 x 39 mm RUSSIAN		usable	recommended	recommended									
.300 AAC BLACKOUT		usable		recommended									
7.62 x 54 mm RUSSIAN					recommended	recommended	recommended	recommended	recommended	recommended			
8 x 57 mm IR					recommended			recommended		recommended	recommended		
8 x 57 mm IS (0.323")								recommended		recommended	recommended		recommended
8 x 57 mm IRS								recommended		recommended	recommended		
8 x 64 S								recommended		recommended	recommended		recommended
.338 LAPUA MAGNUM								recommended	recommended	recommended	recommended	recommended	
9.3 x 62 mm					recommended	recommended	recommended	recommended	recommended	recommended	recommended		
9.3 x 72 R								recommended		recommended	recommended		
9.3 x 74 R					recommended			recommended		recommended	recommended		
.45-70 GOVERNMENT		usable									recommended		
.50 BROWNING													recommended

usable

recommended

Properties and Storage of Smokeless Powder

Properties of Smokeless Powder

Smokeless powders are essentially mixtures of chemicals designated to burn under controlled conditions at the proper rate to propel a projectile from gun.

Smokeless powders Lovex® are made in three forms:

1. thin, circular flakes or wafers
2. small cylinders
3. small spheres

Single base smokeless powders derive their main source of energy from nitrocellulose.

The energy released from double base smokeless powders is derived from both nitrocellulose and nitroglycerine.

All smokeless powders are extremely flammable by design, they are intended to burn rapidly and vigorously when ignited.

Oxygen from the air is not necessary for the combustion of smokeless powders since they contain sufficient built-in oxygen to burn completely, even in an enclosed space such as chamber of a firearm.

In effect, ignition occurs when the powder granules are heated above their ignition temperature.

This can occur by exposing powder to:

1. A flame such as a match or primer flash
2. An electrical spark or the sparks from welding, grinding, etc.
3. Heat from an electrical hot plate or fire directed or near a closed container even if the powder itself is not exposed to the flame.

Smokeless powder burns in enclosed space – chamber of a firearm. When smokeless powder burns, a great deal of gas at high temperature and pressure is formed. The result is a rapid pressure rise to the desired pressure value at which the bullet is set in motion through the barrel of the weapon. This results in a very short round development time and total shot time. However, the rate of gas evolution is such that the pressure is sufficient to bring the bullet into motion but not to the detonation rate.

In this regard, smokeless powder differs from blasting agents or high explosives such as dynamite or blasting gelatin, although smokeless powder may contain chemical ingredients common to some of these products.

High explosives such as dynamite are made to detonate, it means to change from solid state to gaseous state with evolution of intense heat and high energy in a very short time.

In detonation, a detonation wave (more precisely the shock wave) occurs in the explosive. The shock wave propagating in the explosive is at a rate higher than the sound velocity in the detonation products. Such shock waves propagate through any medium in contact with them and they put pressure on whatever they touch, and it is almost impossible to prevent detonation when using any appreciable amount of dynamite.

Smokeless powder differs considerably in its burning characteristics from common “black powder”.

Black powder burns essentially at the same rate out in the open (unconfined) as well as when it is in a gun (confined). When ignited in an unconfined state, smokeless powder burns inefficiently with an orange – colored flame. It produces a considerable amount of light brown noxious smelling smoke. It leaves residues of ash and partially burned powder. The flame is hot enough to cause severe burns.

The opposite is true when it burns under pressure as in a cartridge fired in a gun. Then it produces very little smoke, a small glow, and leaves very little or no residues. The burning rate of smokeless powder increases with increased pressure.

If burning smokeless powder is confined, gas pressure will rise and eventually can reach the detonation rate and cause the container to burst. Under such circumstances it can create effects similar to an explosion.

For this reason, the Department of transportation – D.O.T (formerly Interstate Commerce Commission) sets specifications for shipping containers for propellants and requires tests for loaded containers – under actual fire conditions – before approving them for use.

When smokeless powder in D.O.T. approved container is ignited during such tests, container seams split open or lids pop off – release gases and powder from confinement at low pressure.

How to Check Smokeless Powder for Deterioration

Although modern smokeless powders are basically free from deterioration under proper storage condition, safe practices require a recognition of the signs of deterioration and its possible effects.

Powder deterioration can be checked by opening the cap of the container and smelling the content.

Powder undergoing deterioration has an irritating acidic odor. (Do not confuse this with common solvent odors such as alcohol, ether and acetone).

Check to make certain that powder is not exposed to extreme heat as this may cause deterioration. Such exposure produces an acidity which accelerates further reaction and has been known, because of the heat generated by the reaction, to cause spontaneous combustion. Never salvage powder from old cartridges and do not attempt to blend salvaged powder with new powder. Do not accumulate old powder stocks. The best way to dispose of deteriorated smokeless powder is to burn it out in the open at an isolated location in small shallow piles (not over 2.5 cm deep). The quantity burned in any one pile should never exceed 0.5 kg. Use an initiating train of slow burning combustible material so that the person may retreat to safe distance before powder is ignited.

Recommendations for Storage of Smokeless Powder

Smokeless powder is intended to function by burning, so it must be protected against an accidental exposure to flame, sparks or high temperatures.

For these reasons, it is desirable that storage enclosures are made of insulating materials to protect the powder from external heat sources.

Once smokeless powder begins to burn, it will normally continue to burn (and generate gas pressure) until it is consumed.

D.O.T. approved containers are constructed to open up at low internal pressure to avoid the effects normally produced by the rupture or bursting of a strong container.

Storage enclosures for smokeless powder should be constructed in a similar manner:

1. Of fire – resistant and heat – insulating materials to protect contents from external heat.
2. Large enough to satisfactorily vent the gaseous products of combustion which emerge if the quantity of smokeless powder within the enclosure accidentally ignited.

If a small, tightly enclosed storage enclosure is loaded to capacity with containers of smokeless powder, the walls of the enclosure will expand or move outwards to release the gas pressure – if the powder in storage is accidentally ignited.

Under such condition, the effects of the release of a gas pressure are similar or identical to the effects produced by an explosion.

Hence only the smallest practical quantity of smokeless powder should be kept in storage, and then in strict compliance with all applicable regulation and recommendations of the National Fire Protection Association.

Rules for Storage of Smokeless Powder

Store in a dry place at room temperature. Be sure the storage area selected is free from any possible sources of excess heat and is isolated from open flame, furnaces, hot water heaters, etc. Do not store smokeless powder at places where it can be exposed to the sun's rays. Avoid storage in areas where mechanical or electrical equipment is in operation. Restrict from the storage areas heat or sparks which may result from improper, defective or overloaded electrical circuits.

Do not store smokeless powder in the same area with solvents, flammable gases or highly combustible materials. Store only in D.O.T approved containers.

Do not transfer the powder from an approved container into one which is not approved.

Do not smoke in areas where powder is stored or used. Place appropriate "NO SMOKING" signs in these areas.

The storage cabinets should be constructed of insulating materials and with a weak wall, seams or joints to provide an easy means of self-venting.

Do not keep old or salvaged powders. Check old powders for deterioration regularly. Get rid of deteriorated powders immediately.

Obey all regulations regarding quantity and methods of storing. Do not store all your powders in one place. If you can, maintain separate storage locations. Many small containers are safer than one or more large containers.

Keep your storage and use area clean. Clean up spilled powder promptly. Make sure the surrounding area is free of trash or other readily combustible materials.

Powder Information's

Company Explosia® produces two basic types of reloading powders - single base powders and double base powders with certain percentage of nitroglycerin. The powders depending on technology are manufactured in the form of flake, disc, tubular or ball particles. LOVEX® reloading powders guide includes a lot of different propellants for all commonly used calibres.

Single Base Powders

Nitrocellulose is the main component (90-98 %) of single base powders. Various additives such as stabilizers, surface treatment agents, flame reducing agents and ingredients affecting the burning characteristics are used as well. Most single base propellants produced in company Explosia® are surface coated to achieve the progressiveness of burning.

Shotgun single base powders:

S015, S030 and S035

Handgun single base powders:

S011 and S020

Rifle single base powders:

S040, S053, S060, S062, S065, S070 and S071

Double Base Powders

In addition to nitrocellulose double base powders contain also nitroglycerin (8-23 %) as an energetic component. These powders contain also a small percentage of stabilizers or other additives as the single base powders. Double base powders are of higher energetic value than single base powders and their ballistic performance is better.

Shotgun double base powder:

D013

Handgun double base powders:

D032, D036, D037.1 and D037.2

Rifle double base powders:

D060, D063, D073.4, D073.5, D073.6 and D100

The powders LOVEX® are manufactured in company Explosia® in Pardubice-Semtín plant (Czech Republic). Contact details of our customer service and the list of LOVEX® distributors can be found at www.explosia.cz, where this Reloading guide can be downloaded.



Powders Description

SHOTGUN POWDERS

D013

A fast burning, low density, double base, disc propellant similar to Accurate Nitro 100 most suitable for shotgun cartridges with 24 to 28 g of shots and for some handgun cartridges.

S015

A fast burning, low density, single base, disc propellant similar to Accurate Solo 1000 most suitable for shotgun cartridges with 24 to 28 g of shots and for some handgun cartridges.

S030

A fast burning, low density, single base, tubular propellant most suitable for shotgun cartridges with 28 to 34 g of shots.

S035

A fast burning, low density, single base, flake propellant most suitable for hunting shotgun cartridges with 32 to 36 g of shots for 12 mm calibre, also suitable for 16 and 20 mm calibres.

HANDGUN POWDERS

S011

A fast burning, low density, single base, tubular propellant most suitable for .38 Special and .45 Auto cartridges. Also applicable for 7.65 Pi, 9 mm Makarov or 9 mm Browning court cartridges. Our fastest handgun propellant.

D032

A fast burning, low density, double base, ball propellant similar to Accurate No. 2. It is excellent in almost all handgun cartridges, especially where clean burning is desirable.

S020

A fast burning, low density, single base, tubular propellant especially for use in the 9 mm Luger. Also suitable for many other pistol and revolver cartridges.

D036

A relatively fast burning, high density, double base, ball propellant similar to Accurate No. 5. In comparison with other our powders it is usable in most handgun cartridges.

D037.1

High density, double base, ball propellant similar to Accurate No. 7 designed for 9 mm NATO carbine ammunition. Somewhat more specialized in applications than D032 and D036, it is well suited to high intensity cartridges. It is a good choice for .357, .41 and .44 Magnum cartridges, when slightly less than full powder loads are preferred.

D037.2

High density, double base, ball propellant similar to Accurate No. 9 is most suitable for .44 Magnum. This propellant gives excellent velocities for the pressures generated and with less flash than other comparable powders. It is intended for use in large capacity handgun cartridges (.357, .41, .44 Magnum and .454 Casull). It is also suitable for some small rifle cartridges (.25-20 Winchester, .30 M1 Carbine) and the .410 shotgun. It is the best with heavier bullets in most calibres. Our slowest handgun propellant.

RIFLE POWDERS

S040

High density, single base, tubular propellant suitable for .22 Hornet and .30 Carbine cartridges and for other small rifles. Also usable in high capacity handgun cartridges.

D060

High density, double base, tubular propellant similar to Accurate 5744 designed primarily for .45-70 Government, .45-120 and .50-90 Sharps cartridges and for reduced loads in all calibre rifles.

S053

High density, single base, tubular propellant most suitable for 7.62 x 39 and .22 Hornet cartridges. Also suitable for small capacity cartridges such as the T/CU series, the .222 Remington and the .223 Remington with lighter bullets.

D063

High density, double base, ball propellant similar to Accurate 1680 suitable for 7.62 x 39 cartridge. Also suitable for small capacity cartridges such as the T/CU series, the .222 Remington and the .223 Remington with lighter bullets.

S060

High density, single base, tubular propellant similar to Accurate 2015. It is extremely flexible, giving excellent performance in many cartridges from .222 Remington to .458 Winchester Mag.

D073.4

High density, double base, ball propellant similar to Accurate 2230, which is one of four most popular rifle powders. Designed for .223 Remington (5.56 NATO).

D073.5

Medium burning, high density, double base, ball propellant similar to Accurate 2460 is useful in wide variety of cartridges. It is slightly slower than D073.4 and shows a small pressure advantage over D073.4 in bores 7 mm and over. Excellent in .308 Winchester, also suitable for M1 and M14 (M1A) service rifles.

D073.6

Medium-slow burning, high density, double base, ball propellant similar to Accurate 2520 gives excellent results in medium capacity cartridges (.308 class) and in certain applications in large bore cartridges. It is the best choice for target shooters using 168 grain bullets in the .308 Winchester. D073.6 has a pressure curve appropriate for use with M1 and M14 (M1A) service rifles.

S062

High density, single base, tubular propellant similar to Accurate 4064 most suitable for 8 x 57 IS, .30-06 and other ball cartridges.

S065

High density, single base, tubular propellant most suitable for 7 x 57 cartridge and for other rifles like 7 x 57 R, 7 x 65 R and from 7 x 64 to 8 x 57 IS.

S070

High density, single base, tubular propellant similar to Accurate 4350 giving excellent performance from .243 Winchester and .270 Winchester cartridges to the largest Magnum cartridges.

S071

High density, single base, tubular propellant similar to Accurate 3100 giving excellent performance from .3006 Springfield cartridges to the largest Magnum cartridges.

D100

Medium-slow burning, high density, double base, ball propellant most suitable for .50 Browning cartridge.

List of Components

You can find a description of used components (case, primer) at the header of table for each calibre that was tested for this reloading manual. Different types of bullets are significantly marked with different colours according to producers.

Bullets producer	Used colour in this Manual
Ares	ARES
Barnes	BARNES
Hornady	HORNADY
Lapua	LAPUA
Norma	NORMA

Bullets producer	Used colour in this Manual
Nosler	NOSLER
Sellier & Bellot	SELLIER & BELLOT
Sierra	SIERRA
Winchester	WINCHESTER

Safety and Health precautions

Basic safety rules

Reloading is an enjoyable and rewarding hobby that is conducted with safety. But like many other human endeavors, carelessness or negligence can make reloading hazardous. As important is strict following of the instructions given by the manufacturers of the reloading equipment as well as the reloading components.

Before you get started, read safety rules below and keep them in mind whenever reloading. Attention paid to details and patience ensures safety and quality!

1. Reload only when you can give it your undivided attention. **DO NOT RELOAD**, when fatigued or ill. Avoid haste, load at a comfortable place and keep in mind that **ABSOLUTELY NO RELOADING UNDER THE INFLUENCE OF ALCOHOL OR DRUGS!**
2. Always wear proper eye protection. It is an unnecessary risk to reload without safety glasses.
3. Store powders and primers out of reach of children and away from heat and open fire. **FOLLOW THE MANUFACTURER'S INSTRUCTIONS ON YOUR OWN POWDER CANISTER. NEVER SMOKE DURING A RELOADING SESSION!**
4. Keep no more powder than needed available. Immediately return the unused powder to its original factory container to preserve its identity and usable life time.
5. Do not use any powder unless its identity is positively known. Scrap all unidentified powders according to the manufacturer's instructions on your powder canisters. **KEEP IN MIND THAT THE TRIAL AND ERROR METHOD MAY LEAD TO SERIOUS INJURY!**
6. Do not use primers if their identity is lost. Discard them according to the manufacturer's instructions.
7. Start loading with the starting load according to the loading data. If there is no indication of starting load, use 15% lower charge than the listed maximum load. Increase the charge using small steps watching for overpressure signs from the primer and the case head at each step. **IF YOU DETECT OVERPRESSURE SIGNS IMMEDIATELY STOP SHOOTING AND REDUCE THE CHARGE.** Always disassemble the defected cartridges. **NEVER EXCEED THE MAXIMUM LOADS!**
8. Visually check the powder level in the cases so you are absolutely sure that you have not loaded double powder charge. When the double powder charge is fired, it may result in a **GUN DAMAGE, INJURY or EVEN DEATH!**
9. If you change the lot of any component or if you change any components of your reload, you must develop your load from the starting load again. Different components may cause changes in case pressure.
10. You must absolutely follow the given maximum cartridge lengths according to the reloading tables. The change in the bullet seating depth has a significant influence on the cartridge pressure.
- 11. DON'T REDUCE LOADS UNDER THE LISTED STARTING LOAD.**
12. Keep your reloading bench in good order. Clean up spilled powder and primers immediately and completely.
13. Use your reloading equipment according to the manufacturer's recommendations. Study the instructions carefully and do not hesitate to ask, if you do not understand everything.
- 14. OBEY ALL REGULATIONS AND LEGISLATION REGARDING QUANTITY AND METHODS OF VALID STORING IN YOUR COUNTRY.**
- 15. Be safe, be conscientious!**

Lead Exposure

A continuous lead exposure has been found out to create lead accumulation in living bodies, especially in the nervous system causing little by little serious physical impairment.

There are different ways for lead to enter the body. However, the two most common are considered to be the touch and the breathing. Therefore with simple precautions described underneath the possible lead exposure and its dangerous consequences can be avoided.

1. **WASH YOUR HANDS** THOROUGHLY WITH WARM WATER AND SOAP AFTER SHOOTING OR RELOADING.
2. **DO NOT EAT OR DRINK** DURING A RELOADING SESSION. When handling fired cases the residual containing lead most likely gets to your hands.
3. **KEEP GOOD HOUSEHOLD AT YOUR RELOADING SITE.** Regular cleaning prevents the accumulation of residuals. Use a damp cloth or mop to clean up the reloading bench as well as the floor underneath. **DO NOT USE A VACUUM CLEANER!** DO NOT USE ANY CARPET AT YOUR RELOADING SITE, IT CAN CREATE STATIC ELECTRICITY THAT CAN ACCIDENTALLY FIRE A PRIMER.
4. **PROTECT YOUR BREATHING AGAINST THE DUST IN THE RELOADING AREA.** When using a dry cleaning media in tumbling the cartridge cases keep in mind that the lead residual from the fired cases moves to the dry cleaning media, where it accumulates by use.

Advice for Beginners

Rule #1

Accurately list each lot number of all chemically active components (i.e. primers and propellants) in your reloading records.

RULE #2

Prepare a detailed data sheet and pack it securely with each batch of hand loads.

RULE #3

Keep precise and comprehensive information about how good (or bad!) your hand loads perform.

RULE #4

Keep complete and accurate inventory records. It can save your time and trouble in the long run.

However, manual methods can be a real drag – especially for routine reloader. If you are so inclined, automation is the ticket. A personal computer and basic spreadsheet program can take much of the drudgery out of recordkeeping. Inventory records, after they are initially set up in an organized format, can be easily revised periodically. Loading data and performance results for both hand loaded and factory ammunition can be entered as its shot and the information sorted into any type of summary report needed – including component usage totals that you could feed back as debits to your inventory database.

Good Luck and enjoy Shooting with our powders!

6.35 Browning / .25 Auto

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 23.11 mm			
Twist: 10.00"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 200 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 3.30 g 50 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.060	0.93	220	722	0.080	1.23	280	918	1175	17000	23.00 mm
D032	0.080	1.23	215	705	0.090	1.39	280	918	1185	17200	
S020	0.080	1.23	230	754	0.100	1.54	285	935	1160	16800	
D036	0.100	1.54	215	705	0.130	2.01	285	935	1170	17000	

7.62 x 25 Tokarev

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 35.20 mm			
Twist: 9.44"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 2 400 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 5.50 g 85 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.340	5.3	415	1361	0.375	5.8	450	1476	2350	34100	35.00 mm
D032	0.350	5.4	420	1378	0.410	6.3	450	1476	2370	34400	
S020	0.390	6.0	430	1410	0.425	6.6	460	1509	2360	34200	
D036	0.490	7.6	430	1410	0.560	8.6	480	1574	2340	33900	
D037.1	0.600	9.3	430	1410	0.690	10.7	500	1640	2390	34700	
D037.2	0.680	10.5	440	1443	0.750	11.6	500	1640	2390	34700	

7.65 Browning / .32 Auto

Barrel Length: 97 mm				Case: Sellier & Bellot				Max. Cartridge Length: 25.00 mm			
Twist: 9.44"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 600 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 4.75 g 73 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.150	2.3	260	853	0.170	2.6	310	1017	1580	22900	25.00 mm
D032	0.160	2.5	260	853	0.195	3.0	310	1017	1580	22900	
S020	0.180	2.8	270	886	0.200	3.1	315	1033	1560	22600	
D036	0.230	3.6	270	886	0.285	4.4	320	1050	1590	23100	

.32 Smith & Wesson Long

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 32.51 mm			
Twist: 15.98"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 000 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
(L)WC 6.50 g 100 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.100	1.5	210	689	0.150	2.3	260	853	820	11900	24.30 mm
D032	0.110	1.7	200	656	0.130	2.0	230	754	850	12300	
S020	0.110	1.7	200	656	0.160	2.5	230	754	860	12500	
D036	0.100	1.5	210	689	0.150	2.3	260	853	780	11300	

.32 Smith & Wesson Long (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
(L)LRN 6.50 g 100 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.150	2.3	250	820	0.180	2.8	280	918	930	13500	32.50 mm
D032	0.190	2.9	240	787	0.220	3.4	280	918	960	13900	
S020	0.180	2.8	250	820	0.200	3.1	270	886	980	14200	
D036	0.200	3.1	200	656	0.250	3.9	250	820	950	13800	

9 mm Browning Court / .380 ACP

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 25.00 mm			
Twist: 9.85"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 350 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 6.00 g 92 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.180	2.8	280	918	0.200	3.1	315	1033	1280	18600	24.90 mm
D032	0.210	3.2	280	918	0.250	3.9	320	1050	1260	18300	
S020	0.200	3.1	270	886	0.240	3.7	320	1050	1240	18000	
D036	0.270	4.2	260	853	0.330	5.1	320	1050	1220	17700	

9 mm Luger / 9 mm Parabellum / 9 x 19

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 29.70 mm			
Twist: 9.85"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 2 350 Bar			
Bullet	Recommended Loads				Maximum Loads						Ares
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNBB
(L) 7.50 g 115 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.200	3.1	310	1017	0.220	3.4	340	1115	2280	33100	28.20 mm
D032	0.230	3.5	330	1082	0.265	4.1	350	1148	2290	33200	
S020	0.260	4.0	330	1082	0.275	4.2	355	1164	2300	33400	
D036	0.330	5.1	335	1099	0.365	5.6	365	1197	2310	33500	
D037.1	0.420	6.5	330	1082	0.475	7.3	360	1181	2280	33100	
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 8.00 g 124 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNBB
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.180	2.8	290	951	0.210	3.2	320	1050	2340	33900	28.20 mm
D032	0.190	2.9	300	984	0.245	3.8	330	1082	2320	33600	
S020	0.240	3.7	310	1017	0.260	4.0	340	1115	2300	33400	
D036	0.310	4.8	300	984	0.340	5.2	335	1099	2290	33200	
D037.1	0.410	6.3	310	1017	0.450	6.9	340	1115	2320	33600	

9 mm Luger / 9 mm Parabelum / 9 x 19 (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
(L)LRN 8.00 g 124 grs											28.40 mm
S011	0.250	3.9	330	1082	0.275	4.2	350	1148	2280	33100	
D032	0.260	4.0	330	1082	0.285	4.4	350	1148	2290	33200	
S020	0.280	4.3	330	1082	0.320	4.9	360	1181	2300	33400	
D036	0.370	5.7	340	1115	0.410	6.3	380	1246	2310	33500	
D037.1	0.450	6.9	340	1115	0.500	7.7	380	1246	2280	33100	
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 8.20 g 127 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNSBBNG
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S011	0.160	2.5	250	820	0.200	3.1	290	951	2340	33900
D032	0.190	2.9	260	853	0.230	3.5	330	1082	2320	33600	
S020	0.250	3.9	320	1050	0.260	4.0	335	1099	2300	33400	
D036	0.290	4.5	320	1050	0.320	4.9	330	1082	2320	33600	
D037.1	0.410	6.3	310	1017	0.440	6.8	340	1115	2320	33600	
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 9.90 g 153 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNSBBNG
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S011	0.160	2.5	240	787	0.190	2.9	270	886	2340	33900
D032	0.190	2.9	250	820	0.220	3.4	290	951	2320	33600	
S020	0.220	3.4	270	886	0.240	3.7	300	984	2350	34100	
D036	0.280	4.3	290	951	0.310	4.8	310	1017	2270	32900	
D037.1	0.380	5.9	295	968	0.420	6.5	320	1050	2320	33600	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 6.50 g 100 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S011	0.270	4.2	370	1214	0.300	4.6	400	1312	2340	33900
D032	0.260	4.0	350	1148	0.300	4.6	400	1312	2320	33600	
S020	0.320	4.9	370	1214	0.360	5.6	415	1361	2290	33200	
D036	0.390	6.0	360	1181	0.450	6.9	420	1378	2280	33100	
D037.1	0.470	7.3	360	1181	0.540	8.3	400	1312	2260	32800	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 7.50 g 115 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S011	0.260	4.0	350	1148	0.280	4.3	360	1181	2350	34100
D032	0.250	3.9	325	1066	0.280	4.3	375	1230	2340	33900	
S020	0.325	5.0	340	1115	0.345	5.3	380	1246	2350	34100	
D036	0.390	6.0	340	1115	0.460	7.1	390	1279	2330	33800	
D037.1	0.500	7.7	350	1148	0.570	8.8	390	1279	2250	32600	

9 mm Luger / 9 mm Parabelum / 9 x 19 (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
JHP 7.50 g 115 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.230	3.5	320	1050	0.250	3.9	350	1148	2200	31900	26.90 mm
D032	0.230	3.5	320	1050	0.250	3.9	350	1148	2300	33400	
S020	0.280	4.3	340	1115	0.300	4.6	370	1214	2310	33500	
D036	0.330	5.1	340	1115	0.360	5.6	370	1214	2290	33200	
D037.1	0.400	6.2	320	1050	0.440	6.8	360	1181	2340	33900	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 8.00 g 124 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.260	4.0	340	1115	0.285	4.4	360	1181	2320	33600	28.40 mm
D032	0.260	4.0	330	1082	0.285	4.4	355	1164	2300	33400	
S020	0.290	4.5	340	1115	0.330	5.1	370	1214	2310	33500	
D036	0.370	5.7	340	1115	0.410	6.3	380	1246	2320	33600	
D037.1	0.450	6.9	340	1115	0.500	7.7	380	1246	2290	33200	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 8.00 g 124 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.250	3.9	325	1066	0.280	4.3	355	1164	2290	33200	29.69 mm
D032	0.250	3.9	325	1066	0.270	4.2	350	1148	2350	34100	
S020	0.320	4.9	330	1082	0.350	5.4	375	1230	2340	33900	
D036	0.380	5.9	340	1115	0.450	6.9	375	1230	2320	33600	
D037.1	0.490	7.6	345	1132	0.560	8.6	380	1246	2320	33600	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.190	2.9	280	918	0.215	3.3	305	1000	2340	33900	26.50 mm
D032	0.200	3.1	280	918	0.210	3.2	300	984	2310	33500	
S020	0.220	3.4	285	935	0.250	3.9	310	1017	2290	33200	
D036	0.260	4.0	270	886	0.290	4.5	310	1017	2100	30500	
D037.1	0.330	5.1	280	918	0.360	5.6	310	1017	2240	32500	
											SUBSONIC

9 x 21

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 29.70 mm			
Twist: 9.85"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 2 350 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
(L)LRN 8.00 g 124 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.250	3.9	330	1082	0.275	4.2	350	1148	2280	33100	29.75 mm
D032	0.260	4.0	330	1082	0.285	4.4	350	1148	2290	33200	
S020	0.280	4.3	330	1082	0.320	4.9	360	1181	2300	33400	
D036	0.370	5.7	340	1115	0.410	6.3	380	1246	2310	33500	
D037.1	0.450	6.9	340	1115	0.500	7.7	380	1246	2280	33100	

9 x 21 (continued)

Bullet	Recommended Loads				Maximum Loads						Seller & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 7.50 g 115 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.290	4.5	330	1082	0.310	4.8	360	1181	2350	34100	29.75 mm
D032	0.280	4.3	330	1082	0.300	4.6	350	1148	2340	33900	
S020	0.330	5.1	350	1148	0.355	5.5	375	1230	2350	34100	
D036	0.380	5.9	350	1148	0.450	6.9	390	1279	2250	32600	
D037.1	0.500	7.7	350	1148	0.550	8.5	395	1296	2350	34100	
Bullet	Recommended Loads				Maximum Loads						Seller & Bellot
FMJ 8.00 g 124 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 8.00 g 124 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.280	4.3	320	1050	0.300	4.6	350	1148	2230	32300	29.75 mm
D032	0.280	4.3	320	1050	0.295	4.6	350	1148	2250	32600	
S020	0.320	4.9	340	1115	0.345	5.3	365	1197	2240	32500	
D036	0.370	5.7	340	1115	0.420	6.5	370	1214	2200	31900	
D037.1	0.470	7.3	340	1115	0.510	7.9	375	1230	2300	33400	

.357 SIG

Barrel Length: 150 mm				Case: Seller & Bellot				Max. Cartridge Length: 28.96 mm			
Twist: 16.00"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 3 050 Bar			
Bullet	Recommended Loads				Maximum Loads						Seller & Bellot
FMJ 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 9.10 g 140 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.330	5.1	350	1148	0.370	5.7	380	1246	2980	43200	28.96 mm
D032	0.360	5.6	360	1181	0.395	6.1	390	1279	3000	43500	
S020	0.370	5.7	370	1214	0.420	6.5	400	1312	3020	43800	
D036	0.470	7.3	370	1214	0.530	8.2	420	1378	2980	43200	
D037.1	0.620	9.6	410	1345	0.670	10.3	435	1427	2960	42900	
D037.2	0.670	10.3	400	1312	0.700	10.8	430	1410	2860	41500	

9 mm Makarov

Barrel Length: 150 mm				Case: Seller & Bellot				Max. Cartridge Length: 25.00 mm			
Twist: 9.45"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 600 Bar			
Bullet	Recommended Loads				Maximum Loads						Seller & Bellot
FMJ 6.10 g 95 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 6.10 g 95 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.220	3.4	320	1050	0.245	3.8	355	1164	1580	22900	25.00 mm
D032	0.240	3.7	320	1050	0.275	4.2	350	1148	1590	23100	
S020	0.270	4.2	340	1115	0.300	4.6	370	1214	1540	22300	
D036	0.320	4.9	330	1082	0.380	5.9	360	1181	1460	21200	
D037.1	0.420	6.5	310	1017	0.480	7.4	360	1181	1590	23100	

.38 Special											
Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 39.37 mm			
Twist: 18.72"				Primer: 4.4 SP Boxer S&B				Max. Pressure CIP: 1 500 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
(L)WC 9.60 g 148 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
D013	0.160	2.5	200	656	0.225	3.5	265	869	1480	21500	30.20 mm
S015	0.170	2.6	200	656	0.235	3.6	270	886	1450	21000	
S011	0.170	2.6	200	656	0.250	3.9	290	951	1480	21500	
D032	0.170	2.6	200	656	0.230	3.5	270	886	1450	21000	
S020	0.210	3.2	220	722	0.300	4.6	300	984	1400	20300	
D036	0.230	3.5	240	787	0.310	4.8	300	984	1400	20300	
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.270	4.2	265	869	0.300	4.6	295	968	1460	21200	37.20 mm
D032	0.255	3.9	260	853	0.280	4.3	290	951	1460	21200	
S020	0.310	4.8	280	918	0.360	5.6	310	1017	1460	21200	
D036	0.360	5.6	290	951	0.420	6.5	300	984	1380	20000	
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.280	4.3	260	853	0.320	4.9	295	968	1480	21500	37.80 mm
D032	0.270	4.2	270	886	0.300	4.6	300	984	1460	21200	
S020	0.350	5.4	270	886	0.400	6.2	310	1017	1460	21200	
D036	0.380	5.9	290	951	0.440	6.8	300	984	1480	21500	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
(L)LRN 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
D013	0.250	3.9	250	820	0.320	4.9	300	984	1480	21500	39.35 mm
S015	0.260	4.0	250	820	0.325	5.0	305	1000	1450	21000	
S011	0.280	4.3	260	853	0.340	5.2	300	984	1480	21500	
D032	0.280	4.3	260	853	0.335	5.2	300	984	1460	21200	
S020	0.350	5.4	280	918	0.400	6.2	310	1017	1460	21200	
D036	0.380	5.9	290	951	0.440	6.8	300	984	1380	20000	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
D013	0.260	4.0	240	787	0.315	4.9	280	918	1480	21500	38.60 mm
S015	0.270	4.2	230	754	0.320	4.9	280	918	1490	21600	
S011	0.280	4.3	270	886	0.320	4.9	300	984	1470	21300	
D032	0.280	4.3	265	869	0.330	5.1	290	951	1500	21800	
S020	0.330	5.1	280	918	0.380	5.9	320	1050	1500	21800	
D036	0.380	5.9	280	918	0.420	6.5	310	1017	1390	20200	

.38 Special (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
SP 10.25 g 158 grs											38.60 mm
D013	0.260	4.0	240	787	0.315	4.9	280	918	1480	21500	
S015	0.270	4.2	230	754	0.320	4.9	280	918	1490	21600	
S011	0.280	4.3	270	886	0.320	4.9	300	984	1470	21300	
D032	0.280	4.3	265	869	0.330	5.1	290	951	1500	21800	
S020	0.330	5.1	280	918	0.380	5.9	320	1050	1500	21800	
D036	0.380	5.9	280	918	0.420	6.5	310	1017	1390	20200	

.357 Magnum

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 40.39 mm			
Twist: 18.72"				Primer: 4.4 SPMP Boxer S&B				Max. Pressure CIP: 3 000 Bar			
(L) 10.25 g 158 grs	Recommended Loads				Maximum Loads						Ares
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		SWCBB
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.400	6.2	345	1132	0.455	7.0	370	1214	2950	42800	39.35 mm
D032	0.400	6.2	345	1132	0.445	6.9	370	1214	2920	42400	
S020	0.460	7.1	360	1181	0.510	7.9	380	1246	2860	41500	
D036	0.650	10.0	370	1214	0.700	10.8	430	1410	2890	41900	
D037.1	0.670	10.3	365	1197	0.710	11.0	430	1410	2890	41900	
D037.2	0.850	13.1	380	1246	1.000	15.4	440	1443	2720	39500	
Bullet	Recommended Loads				Maximum Loads						
(L)LRN 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.400	6.2	340	1115	0.460	7.1	370	1214	2920	42400	40.20 mm
D032	0.400	6.2	340	1115	0.460	7.1	370	1214	2860	41500	
S020	0.480	7.4	350	1148	0.530	8.2	380	1246	2960	42900	
D036	0.650	10.0	400	1312	0.720	11.1	440	1443	2860	41500	
D037.1	0.710	11.0	350	1148	0.900	13.9	420	1378	2710	39300	
D037.2	0.850	13.1	380	1246	1.000	15.4	450	1476	2750	39900	
Bullet	Recommended Loads				Maximum Loads						
FMJ 10.25 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.455	7.0	360	1181	0.500	7.7	385	1263	3000	43500	40.39 mm
D032	0.450	6.9	360	1181	0.490	7.6	380	1246	2940	42600	
S020	0.520	8.0	380	1246	0.560	8.6	400	1312	2950	42800	
D036	0.600	9.3	410	1345	0.630	9.7	440	1443	2970	43100	
D037.1	0.700	10.8	400	1312	0.760	11.7	440	1443	3000	43500	
D037.2	0.700	10.8	390	1279	0.870	13.4	440	1443	3000	43500	

.357 Magnum (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SP 10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.455	7.0	360	1181	0.500	7.7	385	1263	3000	43500	40.39 mm
D032	0.450	6.9	360	1181	0.490	7.6	380	1246	2940	42600	
S020	0.520	8.0	380	1246	0.560	8.6	400	1312	2950	42800	
D036	0.600	9.3	410	1345	0.630	9.7	440	1443	2970	43100	
D037.1	0.700	10.8	400	1312	0.760	11.7	440	1443	3000	43500	
D037.2	0.700	10.8	390	1279	0.870	13.4	440	1443	3000	43500	

.40 Smith & Wesson

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 28.83 mm			
Twist: 15.98"				Primer: 4.4 SPMP Boxer S&B				Max. Pressure CIP: 2 250 Bar			
Bullet	Recommended Loads				Maximum Loads				Ares		
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		SWCBB
(L) 11.20 g 170 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D032	0.265	4.1	280	918	0.285	4.4	300	984	2240	32500	28.70 mm
S020	0.290	4.5	270	886	0.340	5.2	320	1050	2130	30900	
D036	0.370	5.7	270	886	0.430	6.6	320	1050	2140	31000	
D037.1	0.460	7.1	290	951	0.560	8.6	320	1050	2010	29200	
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.305	4.7	290	951	0.315	4.9	300	984	2250	32600	28.80 mm
D032	0.290	4.5	290	951	0.310	4.8	300	984	2240	32500	
S020	0.320	4.9	295	968	0.360	5.6	320	1050	2230	32300	
D036	0.400	6.2	300	984	0.450	6.9	340	1115	2200	31900	
D037.1	0.460	7.1	290	951	0.550	8.5	340	1115	2210	32100	
D037.2	0.520	8.0	290	951	0.570	8.8	310	1017	2210	32100	

10 mm Auto

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 32.00 mm			
Twist: 15.98"				Primer: 5.3 LP Boxer S&B				Max. Pressure CIP: 2 300 Bar			
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
FMJ 11.70 g 180 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S011	0.310	4.8	290	951	0.340	5.2	315	1033	2300	33400	31.80 mm
D032	0.320	4.9	290	951	0.380	5.9	320	1050	2320	33600	
S020	0.330	5.1	290	951	0.380	5.9	330	1083	2280	33100	
D036	0.460	7.1	295	968	0.580	9.0	360	1181	2300	33400	
D037.1	0.570	8.8	300	984	0.720	11.1	370	1214	2300	33400	
D037.2	0.660	10.2	300	984	0.900	13.9	385	1263	2250	32600	

.44 Remington Mag.

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 40.89 mm			
Twist: 20.00"				Primer: 5.33 LP Boxer S&B				Max. Pressure CIP: 2 800 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SP 15.55 g 240 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.640	9.9	330	1082	0.660	10.2	375	1230	2790	40500	40.89 mm
D032	0.630	9.7	335	1099	0.670	10.3	380	1246	2800	40600	
S020	0.660	10.2	340	1115	0.730	11.3	375	1230	2780	40300	
D036	0.820	12.7	350	1148	0.940	14.5	390	1279	2750	39900	
D037.1	1.000	15.4	360	1181	1.150	17.7	425	1394	2800	40600	
D037.2	1.200	18.5	370	1214	1.300	20.1	415	1361	2800	40600	
S040	1.100	17.0	360	1181	1.380	21.3	425	1394	2790	40500	

.45 Glock Auto Pistol / .45 GAP

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 28.89 mm			
Twist: 15.98"				Primer: 5.33 LP Boxer S&B				Max. Pressure CIP: 1 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 14.90 g 230 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.220	3.4	195	640	0.235	3.6	210	689	1280	18600	28.80 mm
S015	0.220	3.4	180	590	0.240	3.7	210	689	1290	18700	
S011	0.225	3.5	180	590	0.250	3.9	215	705	1280	18600	
D032	0.220	3.4	190	623	0.235	3.6	210	689	1300	18800	
S020	0.280	4.3	190	623	0.320	4.9	240	787	1270	18500	
D036	0.350	5.4	180	590	0.400	6.2	225	738	1230	17900	
D037.1	0.440	6.8	185	607	0.520	8.0	230	754	1280	18600	
D037.2	0.550	8.5	185	607	0.670	10.3	250	820	1290	18700	

.45 Auto / .45 ACP

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 32.35 mm			
Twist: 15.98"				Primer: 5.33 LP Boxer S&B				Max. Pressure CIP: 1 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Ares
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
(L) 14.60 g 225 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.250	3.9	250	820	0.300	4.6	265	869	1280	18600	30.60 mm
S015	0.270	4.2	240	787	0.310	4.8	260	853	1260	18300	
S011	0.300	4.6	260	853	0.330	5.1	280	918	1280	18600	
D032	0.270	4.2	250	820	0.300	4.6	260	853	1220	17700	
S020	0.370	5.7	260	853	0.410	6.3	285	935	1230	17800	

.45 Auto / .45 ACP (continued)

Bullet	Recommended Loads				Maximum Loads						Ares
(L) 14.90 g 230 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNBB
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.260	4.0	240	787	0.300	4.6	270	886	1280	18600	32.00 mm
S015	0.270	4.2	240	787	0.310	4.8	265	869	1250	18100	
S011	0.290	4.5	250	820	0.330	5.1	275	902	1280	18600	
D032	0.270	4.2	240	787	0.310	4.8	260	853	1230	17800	
S020	0.360	5.6	250	820	0.410	6.3	290	951	1260	18300	
Bullet	Recommended Loads				Maximum Loads						
FMJ 14.90 g 230 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.300	4.6	225	738	0.335	5.2	260	853	1280	18600	32.35 mm
S015	0.310	4.8	220	722	0.345	5.3	255	836	1300	18900	
S011	0.330	5.1	230	754	0.370	5.7	270	886	1280	18600	
D032	0.330	5.1	230	754	0.350	5.4	260	853	1300	18900	
S020	0.360	5.6	240	787	0.410	6.3	260	853	1270	18400	
D036	0.390	6.0	230	754	0.470	7.3	260	853	1280	18600	

.45 Colt

Barrel Length: 150 mm				Case: Sellier & Bellot				Max. Cartridge Length: 40.64 mm			
Twist: 15.98"				Primer: 5.33 LP Boxer S&B				Max. Pressure CIP: 1 100 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
(L)FN 16.20 g 250 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.400	6.2	210	689	0.550	8.5	290	951	1100	16000	40.30 mm
D032	0.370	5.7	215	705	0.510	7.9	260	853	1050	15200	
S020	0.500	7.7	210	689	0.655	10.1	330	1083	1080	15700	
D036	0.620	9.6	210	689	0.800	12.3	315	1033	1100	16000	
D037.1	0.800	12.3	220	722	1.100	17.0	340	1115	1100	16000	
D037.2	1.000	15.4	240	787	1.200	18.5	310	1017	1050	15200	
S040	1.000	15.4	230	755	1.250	19.3	320	1050	1080	15700	
Bullet	Recommended Loads				Maximum Loads						
FMJ 14.90 g 230 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.420	6.5	205	673	0.510	7.9	260	853	1100	16000	40.30 mm
D032	0.400	6.2	230	755	0.500	7.7	270	886	1070	15500	
S020	0.620	9.6	220	722	0.620	9.6	285	935	1080	15700	
D036	0.620	9.6	225	738	0.770	11.9	290	951	1080	15700	
D037.1	0.700	10.8	210	689	1.000	15.4	300	984	1100	16000	
D037.2	0.900	13.9	215	705	1.300	20.1	340	1115	1100	16000	
S040	0.900	13.9	215	705	1.200	18.5	310	1017	1080	15700	

.22 Hornet											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 43.76 mm			
Twist: 16.00"				Primer: 4.4 SPM Boxer S&B				Max. Pressure CIP: 3 000 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 2.90 g 45 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2901
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.52	8.0	700	2296	0.57	8.8	760	2493	2950	42800	43.70 mm
S053	0.55	8.5	660	2165	0.65	10.0	720	2362	2600	37700	
D063	0.60	9.3	640	2099	0.70	10.8	700	2296	2200	31900	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 2.90 g 45 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2911
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.52	8.0	700	2296	0.57	8.8	760	2493	2950	42800	43.70 mm
S053	0.55	8.5	660	2165	0.65	10.0	720	2362	2600	37700	
D063	0.60	9.3	640	2099	0.70	10.8	700	2296	2200	31900	
Bullet	Recommended Loads				Maximum Loads						Hornady
SPSX 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2260
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.40	6.2	600	1968	0.48	7.4	640	2099	2950	42800	43.70 mm
S053	0.40	6.2	590	1935	0.50	7.7	620	2034	2700	39200	
D063	0.45	6.9	620	2034	0.55	8.5	640	2099	2650	38500	

.222 Remington											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 54.10 mm			
Twist: 14.00"				Primer: 4.4 SPM Boxer S&B				Max. Pressure CIP: 3 700 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 3.24 g 50 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2902
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.90	13.9	850	2788	1.00	15.4	920	3018	3650	53000	52.50 mm
S053	1.10	17.0	900	2952	1.20	18.5	960	3149	3640	52800	
D063	1.15	17.7	920	3018	1.30	20.1	960	3149	3700	53700	
D073.4	1.45	22.4	960	3149	1.55	23.9	1000	3280	3680	53400	
D073.5	1.48	22.8	950	3116	1.58	24.4	1000	3280	3580	52000	
D073.6	1.55	23.9	920	3018	1.60	24.7	950	3116	2800	40600	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 3.24 g 50 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2913
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.90	13.9	850	2788	1.00	15.4	910	2985	3650	53000	52.50 mm
S053	1.10	17.0	900	2952	1.20	18.5	950	3116	3640	52800	
D063	1.15	17.7	920	3018	1.30	20.1	980	3214	3700	53700	
D073.4	1.45	22.4	960	3149	1.55	23.9	990	3247	3680	53400	
D073.5	1.48	22.8	950	3116	1.58	24.4	990	3247	3580	52000	
D073.6	1.55	23.9	920	3018	1.60	24.7	940	3083	2800	40600	

compressed

.223 Remington											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 57.40 mm			
Twist: 12.00"				Primer: 4.4 SPM Boxer S&B				Max. Pressure CIP: 4 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2903
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S053	1.30	20.1	930	3050	1.37	21.1	975	3198	4260	61800	56.60 mm
D063	1.20	18.5	930	3050	1.28	19.8	980	3214	4300	62400	
S060	1.50	23.1	920	3018	1.60	24.7	971	3185	4200	61000	
D073.4	1.60	24.7	960	3149	1.70	26.2	1010	3313	4150	60200	
D073.5	1.60	24.7	960	3149	1.70	26.2	1026	3365	4240	61500	
D073.6	1.65	25.5	965	3165	1.74	26.9	1015	3329	4020	58300	
Bullet	Recommended Loads				Maximum Loads						
SP 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2914
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S053	1.30	20.1	930	3050	1.37	21.1	965	3165	4260	61800	56.60 mm
D063	1.20	18.5	930	3050	1.28	19.8	970	3182	4300	62400	
S060	1.50	23.1	920	3018	1.60	24.7	965	3165	4200	61000	
D073.4	1.60	24.7	960	3149	1.70	26.2	1000	3280	4150	60200	
D073.5	1.60	24.7	960	3149	1.70	26.2	1015	3329	4240	61500	
D073.6	1.65	25.5	965	3165	1.74	26.9	1005	3296	4020	58300	
Bullet	Recommended Loads				Maximum Loads						
SPBT 4.20 g 65 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 1395
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.40	21.6	860	2821	1.50	23.1	920	3018	4000	58100	56.60 mm
D073.4	1.50	23.1	860	2821	1.60	24.7	930	3050	4210	61100	
D073.5	1.50	23.1	870	2854	1.60	24.7	940	3083	4150	60200	
D073.6	1.60	24.7	900	2952	1.69	26.1	950	3116	4280	62100	
Bullet	Recommended Loads				Maximum Loads						Sierra
SPBT 4.50 g 69 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 1380
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.35	20.8	860	2821	1.45	22.4	900	2952	4000	58100	56.60 mm
D073.4	1.50	23.1	860	2821	1.57	24.2	910	2985	4200	61000	
D073.5	1.50	23.1	865	2837	1.57	24.2	910	2985	4150	60200	
D073.6	1.55	23.9	870	2854	1.65	25.5	910	2985	4260	61800	

compressed

.22-250 Remington											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 59.69 mm			
Twist: 14.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 050 Bar			
Bullet	Recommended Loads				Maximum Loads					Sellier & Bellot	
FMJ 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2903
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.95	30.1	930	3050	2.28	35.2	1100	3608	4020	58300	59.60 mm
D073.4	1.95	30.1	980	3214	2.25	34.7	1130	3706	4040	58600	
D073.5	1.95	30.1	930	3050	2.20	34.0	1100	3608	3950	57300	
D073.6	2.00	30.9	970	3182	2.30	35.5	1100	3608	3920	56900	
S062	2.00	30.9	970	3180	2.30	35.5	1100	3608	4010	58200	
S062	2.00	30.9	970	3180	2.30	35.5	1100	3608	4010	58200	
Bullet	Recommended Loads				Maximum Loads					Sellier & Bellot	
SP 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2914
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.00	30.9	950	3116	2.25	34.7	1090	3575	4010	58200	59.60 mm
D073.4	1.95	30.1	970	3182	2.20	34.0	1120	3674	4040	58600	
D073.5	1.95	30.1	960	3149	2.20	34.0	1110	3641	4000	58000	
D073.6	2.00	30.9	970	3182	2.30	35.5	1130	3706	3970	57600	
S062	2.00	30.9	970	3182	2.30	35.5	1120	3674	4010	58200	
S062	2.00	30.9	970	3182	2.30	35.5	1120	3674	4010	58200	
Bullet	Recommended Loads				Maximum Loads					Sierra	
FMJ 3.60 g 55 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 1355
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.95	30.1	930	3050	2.28	35.2	1100	3608	4020	58300	59.60 mm
D073.4	1.95	30.1	980	3214	2.25	34.7	1130	3706	4040	58600	
D073.5	1.95	30.1	930	3050	2.20	34.0	1100	3608	3950	57300	
D073.6	2.00	30.9	970	3182	2.30	35.5	1100	3608	3920	56900	
S062	2.00	30.9	980	3214	2.30	35.5	1100	3608	4050	58700	
S062	2.00	30.9	980	3214	2.30	35.5	1100	3608	4050	58700	

5.6 x 50 R Mag.											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 61.00 mm			
Twist: 13.80"				Primer: 4.4 SPM Boxer S&B				Max. Pressure CIP: 3 400 Bar			
Bullet	Recommended Loads				Maximum Loads					Sellier & Bellot	
FMJ 3.24 g 50 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2902
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.50	23.1	930	3050	1.57	24.2	980	3214	3380	49100	58.70 mm
D073.4	1.50	23.1	940	3083	1.65	25.5	1010	3313	3380	49100	
D073.5	1.50	23.1	940	3083	1.65	25.5	1000	3280	3390	49200	
D073.6	1.65	25.5	960	3149	1.70	26.2	1010	3313	3360	48800	
D073.6	1.65	25.5	960	3149	1.70	26.2	1010	3313	3360	48800	

compressed

5.6 x 50 R Mag. (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2913
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
SP 3.24 g 50 grs											58.70 mm
S060	1.50	23.1	930	3050	1.57	24.2	970	3182	3380	49100	
D073.4	1.50	23.1	940	3083	1.65	25.5	990	3247	3380	49100	
D073.5	1.50	23.1	940	3083	1.65	25.5	1000	3280	3390	49200	
D073.6	1.65	25.5	960	3149	1.70	26.2	1005	3296	3360	48800	

5.6 x 52 R

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 63.75 mm			
Twist: 10.60"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2904
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
FMJ 4.60 g 70 grs											63.00 mm
S060	1.45	22.4	800	2624	1.55	23.9	860	2821	3250	47200	
S062	1.65	25.5	840	2755	1.73	26.7	870	2854	3220	46700	
S065	1.80	27.8	840	2755	1.85	28.5	860	2821	3120	45300	
Bullet	Recommended Loads				Maximum Loads						
SP 4.60 g 70 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2915
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S060	1.45	22.4	800	2624	1.55	23.9	860	2821	3250	47200
S062	1.65	25.5	840	2755	1.73	26.7	870	2854	3220	46700	
S065	1.80	27.8	840	2755	1.85	28.5	860	2821	3120	45300	

.243 Winchester

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 68.83 mm			
Twist: 10.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 150 Bar			
Bullet	Recommended Loads				Maximum Loads						Hornady
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 24532
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
SST 6.20 g 95 grs											67.00 mm
S060	2.10	32.4	830	2722	2.20	34.0	860	2821	4140	60100	
S062	2.20	34.0	815	2673	2.30	35.5	850	2788	4000	58100	
S065	2.25	34.7	840	2755	2.40	37.0	870	2854	4060	58900	
S070	2.40	37.0	840	2755	2.70	41.7	870	2854	3900	56600	
Bullet	Recommended Loads				Maximum Loads						Hornady
RN 6.50 g 100 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2921
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S060	2.10	32.4	805	2640	2.25	34.7	850	2788	4120	59800
S062	2.30	35.5	810	2657	2.50	38.6	860	2821	4050	58800	
S065	2.30	35.5	800	2624	2.60	40.1	880	2886	4080	59200	
S070	2.60	40.1	800	2624	2.90	44.8	870	2854	3750	54400	

compressed

.243 Winchester (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 6.50 g 100 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2921
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.00	30.9	810	2657	2.10	32.4	830	2722	3980	57800	67.00 mm
S062	2.10	32.4	810	2657	2.30	35.5	850	2788	4120	59800	
S065	2.20	34.0	830	2722	2.40	37.0	860	2821	4040	58600	
S070	2.40	37.0	830	2722	2.65	40.9	860	2821	4050	58800	
Bullet	Recommended Loads				Maximum Loads						Nosler
PARTITION 6.50 g 100 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 35642
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.05	31.6	800	2624	2.15	33.2	840	2755	4120	59800	68.80 mm
S062	2.10	32.4	810	2657	2.25	34.7	840	2755	4130	59900	
S065	2.10	32.4	810	2657	2.30	35.5	850	2788	4040	58600	
S070	2.40	37.0	800	2624	2.65	40.9	860	2821	4050	58800	

6.5 x 52 R

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 64.50 mm			
Twist: 10.20"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 2 450 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 7.60 g 117 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2925
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.30	20.1	620	2034	1.38	21.3	670	2198	2400	34800	64.50 mm
S062	1.45	22.4	635	2083	1.60	24.7	685	2247	2430	35300	
S065	1.60	24.7	635	2083	1.70	26.2	680	2230	2390	34700	
S070	1.70	26.2	640	2099	1.80	27.8	680	2230	2360	34300	

6.5 x 55 SE

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 80.00 mm			
Twist: 8.66"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 800 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 8.50 g 131 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2923
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.35	36.3	750	2460	2.45	37.8	780	2558	3795	55100	75.30 mm
S065	2.55	39.3	755	2476	2.65	40.9	790	2591	3760	54600	
S070	2.70	41.7	760	2493	2.85	44.0	800	2624	3710	53800	
Bullet	Recommended Loads				Maximum Loads						Lapua
HPBT 9.00 g 139 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. GB 458
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.25	34.7	705	2312	2.45	37.8	760	2493	3770	54700	79.50 mm
S065	2.40	37.0	750	2460	2.60	40.1	780	2558	3790	55000	
S070	2.60	40.1	750	2460	2.85	44.0	775	2542	3650	53000	

6.5 x 55 SE (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2928
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.25	34.7	720	2362	2.35	36.3	750	2460	3780	54900	75.30 mm
S065	2.45	37.8	730	2394	2.55	39.4	770	2526	3760	54600	
S070	2.60	40.1	750	2460	2.75	42.4	790	2591	3710	53800	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ-BT 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2905
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.25	34.7	720	2362	2.35	36.3	780	2558	3780	54900	78.00 mm
S065	2.45	37.8	730	2394	2.55	39.4	770	2526	3760	54600	
S070	2.60	40.1	750	2460	2.75	42.4	790	2591	3710	53800	
Bullet	Recommended Loads				Maximum Loads						Hornady
GR RN 10.40 g 160 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2640
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.30	35.5	670	2198	2.45	37.8	720	2362	3790	55000	75.70 mm
S065	2.30	35.5	665	2181	2.50	38.6	720	2362	3720	54000	
S070	2.70	41.7	690	2260	2.95	45.5	750	2460	3790	55000	

6.5 x 57

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 82.00 mm			
Twist: 7.87"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 900 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 8.50 g 131 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2923
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.15	33.2	760	2493	2.35	36.3	790	2591	3780	54900	77.00 mm
S062	2.50	38.6	745	2444	2.60	40.1	780	2558	3880	56300	
S065	2.60	40.1	750	2460	2.80	43.2	800	2624	3860	56000	
S070	2.75	42.4	750	2460	2.95	45.5	785	2575	3850	55900	

6.5 x 57 R

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 82.00 mm			
Twist: 7.87"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 8.50 g 131 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2923
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.15	33.2	760	2493	2.30	35.5	780	2558	3290	47800	77.00 mm
S062	2.40	37.0	745	2444	2.55	39.4	790	2591	3290	47800	
S065	2.60	40.1	760	2493	2.75	42.4	810	2657	3300	47900	
S070	2.75	42.4	770	2526	2.90	44.8	810	2657	3268	47400	

6.5 CREEDMOOR

Barrel Length: 600 mm		Case: Sellier & Bellot				Max. Cartridge Length: 71.76 mm					
Twist: 13.60"		Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4350 Bar					
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
FMJ 9.10 g 140 gr	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure	No. 2905	
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D073.6	2.30	35.5	740	2427	2.45	37.8	815	2673	4230	61400	69.50 mm
S062	2.30	35.5	785	2575	2.50	38.6	810	2657	4160	60400	
S065	2.50	38.6	755	2476	2.65	40.9	810	2657	4310	62500	
S070	2.60	40.1	770	2526	2.95	45.5	850	2788	4310	62600	
S071	2.60	40.1	745	2444	2.90	44.8	825	2706	3880	56300	
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
SP 9.10 g 140 gr	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure	No. 2928	
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D073.6	2.30	35.5	785	2575	2.40	37.0	810	2657	4290	62200	69.50 mm
S062	2.30	35.5	760	2493	2.45	37.8	800	2624	4100	59500	
S065	2.50	38.6	770	2526	2.60	40.1	805	2640	4300	62300	
S070	2.60	40.1	738	2421	2.90	44.8	845	2772	4210	61100	
S071	2.60	40.1	740	2427	2.90	44.8	825	2706	3910	56700	

.270 Winchester

Barrel Length: 600 mm		Case: Sellier & Bellot				Max. Cartridge Length: 84.84 mm					
Twist: 10.00"		Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 300 Bar					
Bullet	Recommended Loads				Maximum Loads				Hornady		
RN 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure	No. 2745	
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.20	49.4	800	2624	3.40	52.5	860	2821	4280	62100	81.50 mm
S065	3.20	49.4	800	2624	3.40	52.5	860	2821	4120	59800	
S070	3.60	55.6	820	2690	3.90	60.2	875	2870	4150	60200	
Bullet	Recommended Loads				Maximum Loads				Hornady		
SST 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure	No. 27402	
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.00	46.3	790	2591	3.15	48.6	830	2722	4180	60700	81.50 mm
S065	3.10	47.8	800	2624	3.25	50.2	850	2788	4240	61500	
S070	3.40	52.5	780	2558	3.70	57.1	850	2788	4150	60200	
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
SP 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure	No. 2927	
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.95	45.5	810	2657	3.15	48.6	860	2821	4180	60700	82.30 mm
S065	3.10	47.8	800	2624	3.40	52.5	870	2854	4190	60800	
S070	3.40	52.5	800	2624	3.60	55.6	880	2886	4250	61700	

compressed

7 x 57											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 78.00 mm			
Twist: 8.66"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 900 Bar			
Bullet	Recommended Loads				Maximum Loads						Hornady
V-MAX 7.80 g 120 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 22810
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.65	40.9	850	2788	2.80	43.2	900	2952	3875	56200	75.00 mm
D073.6	2.70	41.7	820	2690	3.10	47.8	940	3083	3840	55700	
S062	2.90	44.8	830	2722	3.20	49.4	920	3018	3680	53400	
S065	2.90	44.8	820	2690	3.20	49.4	910	2985	3620	52500	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 9.00 g 139 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2931
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.45	37.8	790	2591	2.70	41.7	835	2739	3850	55900	73.00 mm
D073.6	2.65	40.9	790	2591	3.00	46.3	850	2788	3810	55300	
S062	2.80	43.2	800	2624	2.90	44.8	845	2772	3800	55200	
S065	2.85	44.0	800	2624	3.15	48.6	840	2755	3750	54400	
S070	2.95	45.5	790	2591	3.20	49.4	820	2690	3750	54400	
S070	2.95	45.5	790	2591	3.25	50.2	820	2690	3750	54400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2955
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.45	37.8	790	2591	2.70	41.7	840	2755	3875	56200	78.00 mm
D073.6	2.65	40.9	790	2591	3.00	46.3	850	2788	3870	56200	
S062	2.80	43.2	720	2362	2.90	44.8	845	2772	3880	56300	
S065	2.85	44.0	800	2624	3.20	49.4	850	2788	3820	55400	
S070	2.95	45.5	790	2591	3.25	50.2	820	2690	3750	54400	
S070	2.95	45.5	790	2591	3.25	50.2	820	2690	3750	54400	
Bullet	Recommended Loads				Maximum Loads						Hornady
GR SST 10.00 g 154 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 28302
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.30	35.5	720	2362	2.50	38.6	780	2558	3890	56500	75.70 mm
D073.6	2.55	39.4	760	2493	2.70	41.7	800	2624	3800	55200	
S062	2.70	41.7	760	2493	2.85	44.0	810	2657	3840	55700	
S065	2.75	42.4	770	2526	2.90	44.8	810	2657	3780	54900	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 10.20 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2981
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.25	34.7	730	2394	2.45	37.8	763	2503	3875	56200	78.00 mm
D073.6	2.45	37.8	730	2394	2.70	41.7	770	2526	3870	56200	
S062	2.55	39.4	740	2427	2.75	42.4	770	2526	3880	56300	
S065	2.70	41.7	750	2460	2.95	45.5	775	2542	3760	54600	

compressed

7 x 57 (continued)											
Bullet	Recommended Loads				Maximum Loads						Norma
VULKAN 11.00 g 170 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67006
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.35	36.3	710	2329	2.50	38.6	735	2411	3820	55400	74.70 mm
D073.6	2.45	37.8	710	2329	2.75	42.4	760	2493	3770	54700	
S062	2.55	39.4	720	2362	2.85	44.0	760	2493	3720	54000	
S065	2.70	41.7	730	2394	2.90	44.8	770	2526	3780	54900	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 11.20 g 173 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2932
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.25	34.7	710	2329	2.45	37.8	743	2437	3875	56200	77.00 mm
D073.6	2.45	37.8	710	2329	2.65	40.9	760	2493	3870	56200	
S062	2.55	39.4	720	2362	2.75	42.4	751	2463	3880	56300	
S065	2.70	41.7	730	2394	2.95	45.5	755	2476	3880	56300	
Bullet	Recommended Loads				Maximum Loads						Nosler
PARTITION 11.30 g 175 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 35645
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.30	35.5	690	2263	2.45	37.8	720	2362	3800	55200	78.00 mm
D073.6	2.40	37.0	700	2296	2.60	40.1	745	2444	3810	55300	
S062	2.50	38.6	700	2296	2.80	43.2	755	2476	3840	55700	
S065	2.70	41.7	720	2362	2.85	44.0	760	2493	3860	56000	

7 x 57 R											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 78.00 mm			
Twist: 8.66"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 400 Bar			
Bullet	Recommended Loads				Maximum Loads						Hornady
V-MAX 7.80 g 120 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 22810
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.50	38.6	820	2690	2.70	41.7	860	2821	3400	49400	75.00 mm
D073.6	2.60	40.1	810	2657	2.95	45.5	860	2821	3370	48900	
S062	2.80	43.2	830	2722	3.10	47.8	870	2854	3380	49100	
S065	2.80	43.2	820	2690	3.10	47.8	870	2854	3360	48800	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 9.00 g 139 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2931
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	780	2558	2.65	40.9	810	2657	3400	49400	73.00 mm
D073.6	2.55	39.4	780	2558	2.90	44.8	835	2739	3380	49100	
S062	2.70	41.7	790	2591	3.00	46.3	825	2706	3260	47300	
S065	2.75	42.4	790	2591	3.05	47.1	830	2722	3390	49200	

7 x 57 R (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2955
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	770	2526	2.65	40.9	810	2657	3375	49000	78.00 mm
D073.6	2.55	39.4	770	2526	2.90	44.8	830	2722	3370	48900	
S062	2.70	41.7	720	2362	2.95	45.5	825	2706	3380	49100	
S065	2.75	42.4	780	2558	3.10	47.8	830	2722	3380	49100	
Bullet	Recommended Loads				Maximum Loads						Hornady
GR SST 10.00 g 154 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 28302
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.20	34.0	700	2296	2.40	37.0	740	2427	3390	49200	75.70 mm
D073.6	2.40	37.0	730	2394	2.60	40.1	760	2493	3400	49400	
S062	2.60	40.1	740	2427	2.75	42.4	770	2526	3360	48800	
S065	2.65	40.9	750	2460	2.80	43.2	780	2558	3380	49100	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 10.20 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2981
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.15	33.2	700	2296	2.30	35.5	740	2427	3375	49000	78.00 mm
D073.6	2.35	36.3	700	2296	2.60	40.1	750	2460	3370	48900	
S062	2.45	37.8	710	2329	2.75	42.4	755	2476	3380	49100	
S065	2.60	40.1	710	2329	2.85	44.0	750	2460	3360	48800	
Bullet	Recommended Loads				Maximum Loads						Norma
VULKAN 11.00 g 170 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67006
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.20	34.0	680	2230	2.40	37.0	700	2296	3320	48200	74.70 mm
D073.6	2.25	34.7	675	2214	2.55	39.4	710	2329	3370	48900	
S062	2.45	37.8	680	2230	2.75	42.4	730	2394	3360	48800	
S065	2.60	40.1	710	2329	2.80	43.2	740	2427	3380	49100	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 11.20 g 173 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2932
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.15	33.2	670	2198	2.30	35.5	695	2280	3390	49200	77.00 mm
D073.6	2.25	34.7	680	2230	2.40	37.0	710	2329	3380	49100	
S062	2.45	37.8	700	2296	2.75	42.4	710	2329	3340	48500	
S065	2.60	40.1	700	2296	2.80	43.2	730	2394	3320	48200	
Bullet	Recommended Loads				Maximum Loads						Nosler
PARTITION 11.30 g 175 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 35645
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.10	32.4	670	2198	2.30	35.5	690	2263	3400	49400	78.00 mm
D073.6	2.20	34.0	675	2214	2.45	37.8	700	2296	3350	48600	
S062	2.40	37.0	680	2230	2.70	41.7	710	2329	3340	48500	
S065	2.60	40.1	685	2247	2.75	42.4	720	2362	3360	48800	

7 x 64											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 84.00 mm			
Twist: 8.66"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 150 Bar			
Bullet	Recommended Loads				Maximum Loads						Hornady
V-MAX 7.80 g 120 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 22810
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D073.6	3.20	49.4	920	3018	3.35	51.7	970	3182	4150	60200	82.00 mm
S062	3.35	51.7	910	2985	3.55	54.8	945	3100	4120	59800	
S065	3.35	51.7	900	2952	3.60	55.6	970	3182	4080	59200	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 9.00 g 139 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2931
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	3.00	46.3	800	2624	3.20	49.4	860	2821	4100	59500	81.50 mm
D073.6	3.10	47.8	800	2624	3.30	50.9	870	2854	3980	57800	
S062	3.15	48.6	810	2657	3.35	51.7	880	2886	4098	59500	
S065	3.40	52.5	820	2690	3.60	55.6	890	2919	4100	59500	
S070	3.65	56.3	840	2755	3.80	58.6	900	2952	4130	59900	
S070	3.65	56.3	840	2755	3.80	58.6	900	2952	3750	54400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 9.10 g 140 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2955
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	3.00	46.3	800	2624	3.20	49.4	860	2821	3875	56200	84.00 mm
D073.6	3.10	47.8	840	2755	3.30	50.9	870	2854	3870	56200	
S062	3.15	48.6	810	2657	3.35	51.7	880	2886	3880	56300	
S065	3.40	52.5	820	2690	3.60	55.6	890	2919	3820	55400	
S070	3.65	56.3	840	2755	3.80	58.6	900	2952	3750	54400	
S070	3.65	56.3	840	2755	3.80	58.6	900	2952	3750	54400	
Bullet	Recommended Loads				Maximum Loads						Hornady
GR SST 10.00 g 154 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 28302
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.90	44.8	765	2509	3.20	49.4	850	2788	4140	60100	82.60 mm
S065	2.95	45.5	750	2460	3.25	50.2	850	2788	4120	59800	
S070	3.50	54.0	790	2591	3.70	57.1	840	2755	3700	53700	
S070	3.50	54.0	790	2591	3.70	57.1	840	2755	3700	53700	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 10.20 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2981
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.90	44.8	780	2558	3.10	47.8	820	2690	4150	60200	83.60 mm
S065	3.20	49.4	800	2624	3.30	50.9	830	2722	4090	59400	
S070	3.35	51.7	810	2657	3.50	54.0	840	2755	4110	59700	
S070	3.35	51.7	810	2657	3.50	54.0	840	2755	4110	59700	
Bullet	Recommended Loads				Maximum Loads						Norma
VULKAN 11.00 g 170 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67006
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.90	44.8	750	2460	3.15	48.6	800	2624	3950	57300	81.50 mm
S065	3.00	46.3	760	2493	3.25	50.2	800	2624	3950	57300	
S070	3.15	48.6	710	2329	3.30	50.9	760	2493	3870	56200	
S070	3.15	48.6	710	2329	3.30	50.9	760	2493	3870	56200	

compressed

7 x 64 (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SPCE 11.20 g 173 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2932
S062	2.90	44.8	755	2476	3.05	47.1	800	2624	4130	59900	Cartridge Length 82.50 mm
S065	3.10	47.8	760	2493	3.25	50.2	805	2640	4085	59300	
S070	3.25	50.2	760	2493	3.45	53.2	810	2657	4130	59900	

7 x 65 R

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 83.60 mm			
Twist: 8.66"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 800 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SP 9.00 g 139 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2931
S060	2.95	45.5	810	2657	3.05	47.1	850	2788	3785	54900	Cartridge Length 81.20 mm
D073.6	3.10	47.8	830	2722	3.20	49.4	860	2821	3760	54600	
S062	3.25	50.2	820	2690	3.40	52.5	855	2804	3795	55100	
S065	3.40	52.5	830	2722	3.55	54.8	865	2837	3740	54300	
S070	3.60	55.5	830	2722	3.75	57.9	855	2804	3760	54600	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 9.10 g 140 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2955
S060	2.95	45.5	810	2657	3.05	47.1	850	2788	3790	55000	Cartridge Length 83.60 mm
D073.6	3.10	47.8	830	2722	3.20	49.4	860	2821	3785	54900	
S062	3.15	48.6	830	2722	3.30	50.9	865	2837	3790	55000	
S065	3.40	52.5	830	2722	3.55	54.8	865	2837	3752	54500	
S070	3.60	55.6	830	2722	3.75	57.9	850	2788	3770	54700	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
HPC 10.20 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2981
S060	2.65	40.9	740	2427	2.85	44.0	790	2591	3820	55400	Cartridge Length 83.60 mm
D073.6	2.85	44.0	750	2460	3.00	46.3	795	2608	3830	55600	
S062	2.80	43.2	770	2526	3.20	49.4	800	2624	3800	55200	
S065	3.20	49.4	790	2591	3.30	50.9	815	2673	3710	53800	
S070	3.35	51.7	785	2575	3.50	54.0	820	2690	3720	54000	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SPCE 11.20 g 173 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2932
S060	2.60	40.1	725	2378	2.80	43.2	750	2460	3800	55200	Cartridge Length 82.50 mm
D073.6	2.80	43.2	730	2394	2.95	45.5	765	2509	3790	55000	
S062	3.00	46.3	740	2427	3.25	50.2	760	2493	3790	55000	
S065	3.10	47.8	760	2493	3.35	51.7	785	2575	3790	55000	
S070	3.25	50.2	740	2427	3.45	53.2	750	2460	3770	54700	

compressed

7 mm Remington Mag.

Barrel Length: 650 mm				Case: Sellier & Bellot				Max. Cartridge Length: 83.57 mm			
Twist: 9.49"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2932
SPCE 11.20 g 173 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	3.10	47.8	810	2657	3.25	50.2	830	2722	4180	60700	80.00 mm
D073.6	3.25	50.2	800	2624	3.45	53.2	830	2722	4280	62100	
S062	3.30	50.9	810	2657	3.45	53.2	840	2755	4250	61700	
S065	3.50	54.0	810	2657	3.75	57.9	845	2772	4290	62300	
S070	3.70	57.1	820	2690	3.90	60.2	855	2804	4210	61100	

.303 British

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 78.11 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 650 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2939
SP 9.70 g 150 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.55	39.4	790	2591	2.70	41.7	820	2690	3640	52800	72.60 mm
D073.4	2.65	40.9	795	2608	2.85	44.0	825	2706	3600	52200	
D073.5	2.65	40.9	790	2591	2.85	44.0	830	2722	3620	52500	
D073.6	2.75	42.4	800	2624	2.95	45.5	840	2755	3610	52400	
S062	2.80	43.2	810	2657	2.95	45.5	850	2788	3660	53100	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2909
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	715	2345	2.50	38.6	740	2427	3620	52500	77.50 mm
D073.4	2.50	38.6	720	2362	2.60	40.1	745	2444	3600	52200	
D073.5	2.50	38.6	715	2345	2.65	40.9	755	2476	3650	52900	
D073.6	2.55	39.4	715	2345	2.75	42.4	760	2493	3640	52800	
S062	2.65	40.9	730	2394	2.75	42.4	760	2493	3610	52400	

.30 Carbine

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 42.67 mm			
Twist: 20.00"				Primer: 4.4 SPM Boxer S&B				Max. Pressure CIP: 3 200 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2960
FMJ 7.10 g 110 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S040	0.75	11.6	600	1968	0.85	13.1	645	2116	3175	46100	42.60 mm
D063	0.85	13.1	605	1984	0.95	14.7	650	2132	3189	46300	

.30-30 Winchester											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 64.77 mm			
Twist: 12.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 200 Bar			
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
SP 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2934
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	1.80	27.8	680	2230	1.90	29.3	720	2362	3190	46300	64.00 mm
D073.4	1.90	29.3	650	2132	2.05	31.6	710	2329	3150	45700	
D073.5	2.00	30.9	650	2132	2.15	33.2	710	2329	3140	45600	
D073.6	2.05	31.6	680	2230	2.25	34.7	740	2427	3165	45900	

.308 Winchester											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 71.12 mm			
Twist: 12.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 150 Bar			
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
FMJ 9.55 g 147 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2908
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.70	41.7	825	2706	2.85	44.0	860	2821	4125	59800	70.80 mm
D073.4	2.80	43.2	835	2739	2.95	45.5	865	2837	4080	59200	
D073.5	2.80	43.2	840	2755	2.98	46.0	875	2870	4160	60300	
D073.6	2.90	44.8	850	2788	3.00	46.3	875	2870	4080	59200	
S062	2.80	43.2	790	2591	2.95	45.5	826	2709	3500	50800	
S065	2.85	44.0	735	2411	3.00	46.3	779	2556	3120	45300	
S070	2.70	41.7	670	2198	2.90	44.8	735	2411	2640	38300	
Bullet	Recommended Loads				Maximum Loads				Sellier & Bellot		
SPCE 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2936
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.65	40.9	820	2690	2.80	43.2	860	2821	4090	59300	68.00 mm
D073.4	2.75	42.4	815	2673	2.90	44.8	855	2804	4000	58000	
D073.5	2.75	42.4	810	2657	2.95	45.5	865	2837	4100	59500	
D073.6	2.85	44.0	820	2690	3.00	46.3	870	2854	4000	58000	
S062	2.80	43.2	810	2657	2.95	45.5	860	2821	3827	55500	
S065	2.90	44.8	760	2493	3.00	46.3	800	2624	3200	46400	
Bullet	Recommended Loads				Maximum Loads				Hornady		
SST 10.70 g 165 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	740	2427	2.55	39.4	780	2558	4150	60200	71.00 mm
D073.4	2.50	38.6	750	2460	2.70	41.7	805	2640	4130	59900	
D073.5	2.50	38.6	750	2460	2.70	41.7	805	2640	4140	60000	
D073.6	2.80	43.2	780	2558	3.00	46.3	860	2821	4070	59000	
S062	2.75	42.4	760	2493	2.95	45.5	800	2624	3800	55100	
S065	2.80	43.2	750	2460	3.00	46.3	800	2624	3700	53700	

compressed

.308 Winchester (continued)											
Bullet	Recommended Loads				Maximum Loads						Hornady
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30502
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.35	36.3	720	2362	2.55	39.4	780	2558	4120	59800	71.10 mm
D073.4	2.50	38.6	770	2526	2.70	41.7	825	2706	4100	59500	
D073.5	2.50	38.6	750	2460	2.65	40.9	810	2657	4140	60000	
D073.6	2.80	43.2	800	2624	3.00	46.3	860	2821	4140	60000	
S062	2.75	42.4	750	2460	2.95	45.5	805	2640	3780	54800	
S065	2.80	43.2	760	2493	3.00	46.3	810	2657	3950	57300	
S060	2.35	36.3	720	2362	2.55	39.4	780	2558	4120	59800	
D073.4	2.50	38.6	770	2526	2.70	41.7	825	2706	4100	59500	
D073.5	2.50	38.6	750	2460	2.65	40.9	810	2657	4140	60000	
D073.6	2.80	43.2	800	2624	3.00	46.3	860	2821	4140	60000	
S062	2.75	42.4	750	2460	2.95	45.5	805	2640	3780	54800	
S065	2.80	43.2	760	2493	3.00	46.3	810	2657	3950	57300	
S060	2.35	36.3	710	2329	2.55	39.4	750	2460	4100	59500	68.70 mm
D073.4	2.40	37.0	720	2362	2.60	40.1	760	2493	4130	59900	
D073.5	2.45	37.8	720	2362	2.65	40.9	760	2493	4020	58300	
D073.6	2.65	40.9	740	2427	2.85	44.0	800	2624	4150	60200	
S062	2.65	40.9	700	2296	2.85	44.0	740	2427	3620	52500	
S065	2.65	40.9	700	2296	2.85	44.0	740	2427	3520	51100	
S060	2.35	36.3	710	2329	2.55	39.4	750	2460	4100	59500	
D073.4	2.50	38.6	750	2460	2.65	40.9	760	2493	4120	59800	
D073.5	2.50	38.6	740	2427	2.70	41.7	770	2526	4150	60200	
D073.6	2.60	40.1	750	2460	2.80	43.2	790	2591	4090	59300	
S062	2.60	40.1	710	2329	2.80	43.2	770	2526	3800	55100	
S065	2.65	40.9	680	2230	2.80	43.2	710	2329	3640	52800	

compressed

.308 Winchester (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2957
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	710	2329	2.50	38.6	750	2460	4120	59800	70.50 mm
D073.4	2.50	38.6	730	2394	2.70	41.7	780	2558	4130	59900	
D073.5	2.50	38.6	725	2378	2.70	41.7	780	2558	4000	58000	
D073.6	2.60	40.1	740	2427	2.80	43.2	785	2575	4100	59500	
S062	2.60	40.1	720	2362	2.75	42.4	760	2493	3950	57300	
S065	2.60	40.1	680	2230	2.75	42.4	700	2296	3080	44700	
Bullet	Recommended Loads				Maximum Loads						
IT-BOND 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30709
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.30	35.5	700	2296	2.45	37.8	730	2394	4000	58000	71.00 mm
D073.4	2.30	35.5	720	2362	2.50	38.6	760	2493	4120	59800	
D073.5	2.40	37.0	710	2329	2.55	39.4	760	2493	4100	59500	
D073.6	2.60	40.1	730	2394	2.85	44.0	800	2624	4090	59300	
S062	2.60	40.1	710	2329	2.80	43.2	770	2526	3800	55100	
S065	2.65	40.9	700	2296	2.80	43.2	740	2427	3640	52800	
Bullet	Recommended Loads				Maximum Loads						
ACCUBOND 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 54825
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.30	35.5	700	2296	2.50	38.6	740	2427	4140	60000	71.10 mm
D073.4	2.45	37.8	720	2362	2.60	40.1	770	2526	4080	59200	
D073.5	2.45	37.8	710	2329	2.60	40.1	760	2493	4140	60000	
D073.6	2.65	40.9	750	2460	2.80	43.2	800	2624	4020	58300	
S062	2.60	40.1	700	2296	2.75	42.4	750	2460	3590	52100	
S065	2.60	40.1	690	2263	2.80	43.2	740	2427	3600	52200	
Bullet	Recommended Loads				Maximum Loads						
SPITZER 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30180
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.30	35.5	700	2296	2.50	38.6	740	2427	4140	60000	71.10 mm
D073.4	2.45	37.8	720	2362	2.60	40.1	770	2526	4090	59300	
D073.5	2.45	37.8	710	2329	2.60	40.1	760	2493	4140	60000	
D073.6	2.70	41.7	750	2460	2.85	44.0	810	2657	4120	59800	
S062	2.60	40.1	700	2296	2.75	42.4	750	2460	3650	52900	
S065	2.60	40.1	690	2263	2.80	43.2	740	2427	3650	52900	

compressed

.308 Winchester (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2983
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	750	2460	2.50	38.6	770	2526	4080	59200	71.10 mm
D073.4	2.50	38.6	735	2411	2.65	40.9	770	2526	4020	58300	
D073.5	2.50	38.6	730	2394	2.65	40.9	775	2542	4050	58700	
D073.6	2.60	40.1	745	2444	2.75	42.4	780	2558	4100	59500	
S062	2.60	40.1	760	2493	2.73	42.1	790	2591	4100	59500	
S065	2.65	40.9	720	2362	2.75	42.4	750	2460	3400	49300	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2937
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.50	38.6	710	2329	2.60	40.1	750	2460	4020	58300	71.10 mm
D073.4	2.55	39.4	730	2394	2.70	41.7	780	2558	4030	58500	
D073.5	2.60	40.1	725	2378	2.75	42.4	780	2558	4000	58000	
D073.6	2.65	40.9	740	2427	2.85	44.0	790	2591	4080	59200	
S062	2.60	40.1	720	2362	2.75	42.4	760	2493	3950	57300	
S065	2.60	40.1	680	2230	2.75	42.4	700	2296	3080	44700	
Bullet	Recommended Loads				Maximum Loads						Norma
ORYX 13.00 g 200 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67639
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.20	34.0	640	2099	2.40	37.0	690	2263	4120	59800	68.70 mm
D073.4	2.25	34.7	650	2132	2.45	37.8	710	2329	4080	59200	
D073.5	2.30	35.5	650	2132	2.50	38.6	700	2296	4020	58300	
D073.6	2.60	40.1	660	2165	2.70	41.7	720	2362	4100	59500	
S062	2.65	40.9	660	2165	2.85	44.0	720	2362	4080	59200	
S065	2.65	40.9	665	2181	2.85	44.0	725	2378	4010	58200	

.30-06 Springfield											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 84.84 mm			
Twist: 10.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 050 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 9.70 g 150 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2936
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	3.00	46.3	830	2722	3.25	50.2	875	2870	4020	58300	80.00 mm
D073.6	3.25	50.2	835	2739	3.45	53.2	880	2886	3870	56100	
S062	3.20	49.4	827	2713	3.45	53.2	880	2886	3950	57300	
S065	3.45	53.2	824	2703	3.70	57.1	880	2886	3860	56000	
S070	3.50	54.0	835	2739	3.65	56.3	870	2854	3700	53700	

compressed

.30-06 Springfield (continued)											
Bullet	Recommended Loads				Maximum Loads						Hornady
SST 10.70 g 165 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30452
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.90	44.8	800	2624	3.10	47.8	840	2755	4150	60200	82.10 mm
D073.6	3.00	46.3	790	2591	3.25	50.2	850	2788	4070	59000	
S062	3.20	49.4	800	2624	3.50	54.0	870	2854	4020	58300	
S065	3.20	49.4	800	2624	3.50	54.0	860	2821	4010	58200	
S070	3.50	54.0	730	2394	3.80	58.6	800	2624	3700	53700	
S070	3.50	54.0	730	2394	3.80	58.6	800	2624	3700	53700	
Bullet	Recommended Loads				Maximum Loads						Hornady
A-MAX 10.90 g 168 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30502
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.85	44.0	790	2591	3.05	47.1	830	2722	4120	59800	82.50 mm
D073.6	2.95	45.5	785	2575	3.20	49.4	840	2755	4140	60000	
S062	3.15	48.6	795	2608	3.45	53.2	860	2821	4100	59500	
S065	3.15	48.6	795	2608	3.45	53.2	850	2788	4050	58700	
S070	3.50	54.0	725	2378	3.75	57.9	800	2624	3800	55100	
S070	3.50	54.0	725	2378	3.75	57.9	800	2624	3800	55100	
Bullet	Recommended Loads				Maximum Loads						Sierra
HPBT 10.90 g 168 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2200
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.80	43.2	760	2493	3.00	46.3	830	2722	4080	59200	82.50 mm
D073.6	2.90	44.8	790	2591	3.15	48.6	840	2755	4040	58600	
S062	3.20	49.4	800	2624	3.35	51.7	860	2821	4025	58400	
S065	3.30	50.9	803	2634	3.50	54.0	851	2791	4030	58500	
S070	3.45	53.2	730	2394	3.65	56.3	810	2657	3890	56400	
S070	3.45	53.2	730	2394	3.65	56.3	810	2657	3890	56400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2935
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.90	44.8	735	2411	3.05	47.1	800	2624	4100	59500	80.00 mm
D073.6	3.10	47.8	760	2493	3.20	49.4	820	2690	4030	58500	
S062	3.05	47.1	780	2558	3.20	49.4	830	2722	4080	59200	
S065	3.30	50.9	785	2575	3.45	53.2	825	2706	3985	57800	
S070	3.40	52.5	750	2460	3.55	54.8	815	2673	3960	57400	
S071	3.40	52.5	720	2362	3.75	57.9	825	2706	3990	57900	
S071	3.40	52.5	720	2362	3.75	57.9	825	2706	3990	57900	
Bullet	Recommended Loads				Maximum Loads						Norma
VULKAN 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67653
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.90	44.8	750	2460	3.10	47.8	790	2591	4040	58600	81.00 mm
D073.6	3.00	46.3	760	2493	3.30	50.9	800	2624	4020	58300	
S062	3.30	50.9	765	2509	3.50	54.0	815	2673	4080	59200	
S065	3.35	51.7	770	2526	3.55	54.8	820	2690	4090	59300	
S070	3.50	54.0	700	2296	3.80	58.6	760	2493	3520	51100	
S071	3.60	55.6	790	2591	3.80	58.6	825	2706	3880	56300	
S071	3.60	55.6	790	2591	3.80	58.6	825	2706	3880	56300	

compressed

.30-06 Springfield (continued)											
Bullet	Recommended Loads				Maximum Loads						Hornady
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30709
IT-BOND 11.70 g 180 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
	S060	2.80	43.2	735	2411	3.00	46.3	785	2575	4040	
D073.6	3.00	46.3	750	2460	3.20	49.4	810	2657	4120	59800	
S062	3.20	49.4	755	2476	3.40	52.5	810	2657	3980	57700	
S065	3.20	49.4	750	2460	3.40	52.5	805	2640	4020	58300	
S070	3.40	52.5	700	2296	3.70	57.1	760	2493	3640	52800	
S071	3.50	54.0	760	2493	3.65	56.3	800	2624	3700	53700	
S071	3.50	54.0	760	2493	3.65	56.3	800	2624	3700	53700	
Bullet	Recommended Loads				Maximum Loads						Nosler
ACCUBOND 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 54825
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.80	43.2	705	2312	3.00	46.3	775	2542	4080	59200	82.50 mm
D073.6	2.95	45.5	740	2427	3.15	48.6	790	2591	4140	60000	
S062	3.20	49.4	750	2460	3.40	52.5	810	2657	4100	59500	
S065	3.25	50.2	750	2460	3.45	53.2	805	2640	4020	58300	
S070	3.45	53.2	700	2296	3.70	57.1	770	2526	3600	52200	
S071	3.45	53.2	750	2460	3.65	56.3	800	2624	3700	53700	
S071	3.45	53.2	750	2460	3.65	56.3	800	2624	3700	53700	
Bullet	Recommended Loads				Maximum Loads						Nosler
SPITZER 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30180
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.80	43.2	710	2329	3.00	46.3	770	2526	4140	60000	82.50 mm
D073.6	3.00	46.3	750	2460	3.25	50.2	800	2624	4060	58900	
S062	3.20	49.4	750	2460	3.40	52.5	805	2640	4120	59800	
S065	3.25	50.2	750	2460	3.45	53.2	805	2640	3980	57700	
S070	3.45	53.2	690	2263	3.75	57.9	760	2493	3650	52900	
S071	3.45	53.2	750	2460	3.75	57.9	810	2657	3890	56400	
S071	3.45	53.2	750	2460	3.75	57.9	810	2657	3890	56400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2957
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.80	43.2	770	2526	3.00	46.3	815	2673	4010	58200	82.50 mm
D073.6	3.00	46.3	770	2526	3.20	49.4	840	2755	4050	58700	
S062	3.00	46.3	760	2493	3.35	51.7	815	2673	3960	57400	
S065	3.30	50.9	765	2509	3.50	54.0	845	2772	4120	59800	
S070	3.40	52.5	735	2411	3.80	58.6	800	2624	3460	50200	
S071	3.40	52.5	750	2460	3.75	57.9	820	2690	4060	58900	
S071	3.40	52.5	750	2460	3.75	57.9	820	2690	4060	58900	

compressed

.30-06 Springfield (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2983
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.90	44.8	775	2542	3.05	47.1	810	2657	4045	58700	83.40 mm
D073.6	3.10	47.8	785	2575	3.20	49.4	805	2640	4050	58700	
S062	3.10	47.8	775	2542	3.25	50.2	817	2680	4040	58600	
S065	3.30	50.9	765	2509	3.55	54.8	825	2706	4035	58500	
S070	3.45	53.2	720	2362	3.65	56.3	770	2526	3980	57700	
S071	3.40	52.5	760	2493	3.75	57.9	830	2722	4020	58300	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2937
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.90	44.8	730	2394	3.10	47.8	805	2640	4120	59800	83.40 mm
D073.6	3.15	48.6	735	2411	3.30	50.9	800	2624	3990	57900	
S062	3.10	47.8	745	2444	3.50	54.0	820	2690	3980	57700	
S065	3.35	51.7	745	2444	3.60	55.6	820	2690	3985	57800	
S070	3.50	54.0	730	2394	3.90	60.2	790	2591	3600	52200	
S071	3.40	52.5	720	2362	3.75	57.9	800	2624	3990	57900	
Bullet	Recommended Loads				Maximum Loads						Norma
ORYX 13.00 g 200 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67639
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.75	42.4	680	2230	2.95	45.5	730	2394	4000	58000	81.00 mm
D073.6	2.90	44.8	685	2247	3.10	47.8	740	2427	4120	59800	
S062	3.10	47.8	700	2296	3.35	51.7	760	2493	4050	58700	
S065	3.15	48.6	700	2296	3.40	52.5	765	2509	4080	59200	
S070	3.50	54.0	680	2230	3.70	57.1	725	2378	3500	50800	
S071	3.50	54.0	740	2427	3.65	56.3	780	2558	4090	59300	
Bullet	Recommended Loads				Maximum Loads						Hornady
GR RN 14.30 g 220 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 3090
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.65	40.9	690	2263	2.85	44.0	670	2198	3950	57300	81.00 mm
D073.6	2.85	44.0	660	2165	3.05	47.1	700	2296	4050	58700	
S062	3.00	46.3	670	2198	3.25	50.2	715	2345	4120	59800	
S065	3.10	47.8	670	2198	3.30	50.9	715	2345	4100	59500	
S070	3.55	54.8	640	2099	3.70	57.1	700	2296	3720	54000	
S071	3.40	52.5	690	2263	3.60	55.6	735	2411	4080	59200	
Bullet	Recommended Loads				Maximum Loads						Sierra
GR RN 14.30 g 220 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2180
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.65	40.9	630	2066	2.85	44.0	680	2230	4070	59000	81.00 mm
D073.6	2.85	44.0	660	2165	3.05	47.1	710	2329	4140	60000	
S062	3.00	46.3	670	2198	3.20	49.4	715	2345	4080	59200	
S065	3.05	47.1	670	2198	3.25	50.2	715	2345	4040	58600	
S070	3.50	54.0	640	2099	3.65	56.3	710	2329	3560	51600	
S071	3.45	53.2	670	2198	3.65	56.3	720	2362	4050	58700	

compressed

7.5 x 55 Suisse

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 77.70 mm			
Twist: 10.60"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 800 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.3 g 174 gr	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2947
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.55	39.3	715	2345	2.85	44.0	770	2526	3750	54400	76.60 mm
D073.4	2.55	39.3	720	2362	2.85	44.0	780	2558	3700	53700	
D073.5	2.60	40.1	720	2362	2.85	44.0	780	2558	3790	55000	
D073.6	2.60	40.1	730	2394	2.95	45.5	785	2575	3750	54400	
S062	2.65	40.9	700	2296	3.05	47.1	780	2558	3650	53000	
S065	2.90	44.7	720	2362	3.25	50.1	780	2558	3650	53000	
S070	3.00	46.3	660	2165	3.50	54.0	775	2542	3200	46400	

.300 Winchester Mag.

Barrel Length: 650 mm				Case: Sellier & Bellot				Max. Cartridge Length: 84.84 mm			
Twist: 10.00"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sierra
HPBT 10.90 g 168 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2200
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.80	58.6	866	2840	4.05	62.5	910	2985	4260	61800	84.80 mm
S065	4.05	62.5	878	2880	4.25	65.6	913	2995	4190	60800	
S070	4.30	66.4	870	2854	4.55	70.2	920	3018	4190	60800	
S071	4.50	69.4	860	2821	4.90	75.6	950	3116	4120	59800	
S071	4.50	69.4	860	2821	4.90	75.6	950	3116	4120	59800	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2935
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.80	58.6	845	2772	4.00	61.7	880	2886	4290	62200	84.80 mm
S065	4.00	61.7	853	2798	4.20	64.8	887	2909	4230	61400	
S070	4.30	66.4	860	2821	4.50	69.4	900	2952	4230	61400	
S071	4.40	67.9	850	2788	4.80	74.1	920	3018	4260	61800	
S071	4.40	67.9	850	2788	4.80	74.1	920	3018	4260	61800	

7.62 x 39

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 56.00 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 550 Bar			
Bullet	Recommended Loads				Maximum Loads						Ares
(L) 10.70 g 165 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. RNFPBB-309(311)
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S053	1.20	18.5	560	1837	1.45	22.4	675	2214	3280	47600	50.80 mm
D063	1.20	18.5	565	1853	1.45	22.4	680	2230	3380	49000	

compressed

7.62 x 39 (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 8.00 g 123 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2943
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S053	1.50	23.1	720	2362	1.62	25.0	760	2493	3520	51100	54.00 mm
D063	1.50	23.1	725	2378	1.65	25.5	765	2509	3540	51300	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 8.00 g 123 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2907
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S053	1.50	23.1	715	2345	1.62	25.0	765	2509	3490	50600	56.00 mm
D063	1.50	23.1	730	2394	1.65	25.5	770	2526	3520	51100	

.300 AAC Blackout / .300 Whisper

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 57.40 mm			
Twist: 8.00"				Primer: 4.4 SR Boxer S&B				Max. Pressure CIP: 3 700 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 9.55 g 147 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2908
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D060	1.00	15.4	550	1805	1.15	17.7	580	1903	3500	50800	56.00
D063	1.10	17.0	570	1870	1.25	19.3	600	1969	2800	40600	
Bullet	Recommended Loads				Maximum Loads						Sierra
HPBT 10.90 g 168 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2200
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D060	0.80	12.3	400	1312	1.00	15.4	500	1640	3600	52200	56.00
D063	1.00	15.4	490	1608	1.20	18.5	570	1870	3200	46400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2957
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D060	0.75	11.6	350	1148	0.95	14.7	450	1476	3400	49300	56.00
D063	0.95	14.7	450	1476	1.10	17.0	520	1706	3000	43500	

7.62 x 54 R

Barrel Length: 730 mm				Case: Sellier & Bellot				Max. Cartridge Length: 77.20 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 900 Bar			
Bullet	Recommended Loads				Maximum Loads						Sierra
HPBT 11.30 g 174 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2315
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.70	41.7	790	2591	2.85	44.0	825	2706	3860	56000	77.10 mm
D073.4	2.95	45.5	780	2558	3.10	47.8	810	2657	3870	56200	
D073.5	2.95	45.5	775	2542	3.10	47.8	805	2640	3860	56000	
D073.6	3.10	47.8	790	2591	3.25	50.2	825	2706	3820	55400	
S062	3.10	47.8	810	2657	3.25	50.2	840	2755	3800	55200	
S065	3.15	48.6	800	2624	3.25	50.2	830	2722	3520	51100	

compressed

7.62 x 54 R (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2940
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.70	41.7	775	2542	2.95	45.5	830	2722	3870	56200	73.00 mm
D073.4	2.90	44.8	780	2558	3.05	47.1	800	2624	3840	55700	
D073.5	2.90	44.8	775	2542	3.05	47.1	800	2624	3875	56200	
D073.6	3.00	46.3	770	2526	3.15	48.6	800	2624	3880	56300	
S062	3.00	46.3	790	2591	3.20	49.4	838	2749	3790	55000	
S065	3.15	48.6	785	2575	3.38	52.2	840	2755	3740	54300	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2909
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.65	40.9	760	2493	2.90	44.8	830	2722	3900	56600	75.00 mm
D073.4	2.90	44.8	765	2509	3.05	47.1	805	2640	3890	56500	
D073.5	2.90	44.8	760	2493	3.05	47.1	800	2624	3860	56000	
D073.6	3.00	46.3	770	2526	3.15	48.6	800	2624	3900	56600	
S062	3.00	46.3	792	2598	3.15	48.6	835	2739	3860	56000	
S065	3.10	47.8	782	2565	3.30	50.9	831	2726	3700	53700	

8 x 57 IR

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 82.00 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 200 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2941
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.40	37.0	640	2099	2.60	40.1	710	2329	2890	41900	78.00 mm
S062	2.55	39.4	650	2132	2.80	43.2	736	2414	2850	41400	
S065	2.80	43.2	670	2198	3.10	47.8	742	2434	2970	43100	
S070	3.00	46.3	690	2263	3.20	49.4	746	2447	2980	43300	

8 x 57 IS

Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 82.00 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 900 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2945
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.00	46.3	740	2427	3.20	49.4	780	2558	3860	56000	76.60 mm
S065	3.10	47.8	700	2296	3.35	51.7	760	2493	3720	54000	
S070	3.20	49.4	695	2280	3.35	51.7	740	2427	3452	50100	
S071	3.30	50.9	670	2198	3.60	55.6	730	2394	2560	37100	

compressed

8 x 57 IS (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2910
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.80	43.2	720	2362	3.10	47.8	764	2506	3710	53800	79.00 mm
S065	3.10	47.8	700	2296	3.20	49.4	762	2499	3620	52500	
S070	3.25	50.2	695	2280	3.40	52.5	745	2444	3420	49600	
S071	3.30	50.9	670	2198	3.50	54.0	720	2362	2580	37400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2986
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.85	44.0	710	2329	3.15	48.6	770	2526	3790	55000	80.00 mm
S065	3.15	48.6	700	2296	3.30	50.9	755	2476	3680	53400	
S070	3.25	50.2	700	2296	3.35	51.7	745	2444	3350	48600	
S071	3.30	50.9	680	2230	3.50	54.0	720	2362	2380	34500	
Bullet	Recommended Loads				Maximum Loads						Sierra
SBT 14.26 g 220 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2420
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.05	47.1	715	2345	3.20	49.4	740	2427	3790	55000	79.00 mm
S065	3.10	47.8	710	2329	3.30	50.9	740	2427	3860	56000	
S070	3.10	47.8	640	2099	3.30	50.9	670	2198	3480	50500	
S071	3.20	49.4	650	2132	3.40	52.5	680	2230	2870	41600	

8 x 57 IRS											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 82.00 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 300 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2945
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.90	44.8	700	2296	3.05	47.1	740	2427	3160	45900	79.00 mm
S065	3.10	47.8	700	2296	3.30	50.9	741	2430	3240	47000	
S070	3.20	49.4	705	2312	3.40	52.5	748	2453	3250	47200	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2986
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.85	44.0	710	2329	3.00	46.3	751	2463	3280	47600	79.60 mm
S065	3.05	47.1	700	2296	3.20	49.4	745	2444	3190	46300	
S070	3.20	49.4	720	2362	3.30	50.9	742	2434	3250	47200	
Bullet	Recommended Loads				Maximum Loads						Sierra
SBT 14.26 g 220 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2420
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	2.85	44.0	680	2230	2.95	45.5	710	2329	3250	47200	79.00 mm
S065	2.90	44.8	660	2165	3.10	47.8	695	2280	3080	44700	
S070	3.10	47.8	680	2230	3.25	50.2	710	2329	3180	46200	

compressed

8 x 64 S											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 87.50 mm			
Twist: 9.46"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 4 050 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SPCE 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2945
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.10	47.8	740	2427	3.35	51.7	805	2640	3890	56500	83.00 mm
S065	3.40	52.5	750	2460	3.55	54.8	790	2591	3720	54000	
S070	3.45	53.2	740	2427	3.60	55.6	780	2558	3620	52500	
S071	3.50	54.0	700	2296	3.75	57.9	740	2427	3020	43800	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
HPC 12.70 g 196 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2986
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S062	3.00	46.3	740	2427	3.35	51.7	800	2624	3860	56000	86.70 mm
S065	3.30	50.9	745	2444	3.55	54.8	790	2591	3720	54000	
S070	3.45	53.2	746	2447	3.60	55.6	780	2558	3580	52000	
S071	3.50	54.0	700	2296	3.75	57.9	750	2460	3050	44200	

.338 Lapua Mag.											
Barrel Length: 600 mm				Case: Lapua				Max. Cartridge Length: 93.50 mm			
Twist: 10.00"				Primer: CCI 250 LR Magnum				Max. Pressure CIP: 4 200 Bar			
Bullet	Recommended Loads				Maximum Loads						Lapua
HPBT 16.20 g 250 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. GB 4888017
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S065	4.50	69.4	740	2427	4.80	74.1	800	2624	4180	60600	93.50 mm
S070	5.00	77.2	750	2460	5.50	84.9	830	2722	4190	60800	
S071	5.10	78.7	780	2558	5.70	88.0	840	2755	4160	60300	
Bullet	Recommended Loads				Maximum Loads						Nosler
ACCUBOND 16.20 g 250 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 57287
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S065	4.50	69.4	750	2460	4.90	75.6	810	2657	4060	58900	93.50 mm
S070	4.90	75.6	740	2427	5.30	81.8	830	2722	4180	60600	
S071	5.10	78.7	760	2493	5.40	83.3	840	2755	4160	60300	
Bullet	Recommended Loads				Maximum Loads						Sierra
HPBT 16.20 g 250 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2650
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S065	4.80	74.1	760	2493	5.15	79.5	820	2690	4160	60300	93.50 mm
S070	5.10	78.7	780	2558	5.50	84.9	840	2755	4190	60800	
S071	5.15	79.5	780	2558	5.60	86.4	845	2772	4150	60200	

compressed

9.3 x 62											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 83.60 mm			
Twist: 14.18"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 900 Bar			
Bullet	Recommended Loads				Maximum Loads						Norma
VULKAN 15.00 g 232 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 69305
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S060	3.50	54.0	720	2362	3.70	57.1	780	2558	3720	54000	80.00 mm
D073.4	3.65	56.3	750	2460	3.85	59.4	820	2690	3650	53000	
D073.5	3.70	57.1	725	2378	3.90	60.2	775	2542	3680	53400	
D073.6	3.80	58.6	730	2394	4.00	61.7	800	2624	3620	52500	
S062	3.90	60.2	700	2296	4.10	63.3	770	2526	3180	46200	
S065	3.90	60.2	700	2296	4.10	63.3	770	2526	3080	44700	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 18.50 g 285 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2952
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S060	3.35	51.7	670	2198	3.50	54.0	705	2312	3890	56500	83.00 mm
D073.4	3.45	53.2	678	2224	3.65	56.3	720	2362	3890	56500	
D073.5	3.45	53.2	680	2230	3.65	56.3	716	2348	3900	56600	
D073.6	3.50	54.0	685	2247	3.75	57.9	710	2329	3870	56200	
S062	3.60	55.6	680	2230	3.90	60.2	710	2329	3790	55000	
S065	3.80	58.6	670	2198	4.00	61.7	718	2355	3620	52500	
Bullet	Recommended Loads				Maximum Loads						Hornady
SP/RP 18.55 g 286 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 3560
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S060	3.20	49.4	670	2198	3.40	52.5	705	2312	3890	56500	79.50 mm
D073.4	3.30	50.9	680	2230	3.55	54.8	730	2394	3850	55900	
D073.5	3.35	51.7	680	2230	3.55	54.8	725	2378	3870	56200	
D073.6	3.60	55.6	670	2198	3.80	58.6	730	2394	3680	53400	
S062	3.70	57.1	675	2214	3.90	60.2	720	2362	3480	50500	
S065	3.75	57.9	670	2198	3.95	61.0	705	2312	3560	51700	

9.3 x 72 R											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 86.00 mm			
Twist: 15.54"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 2 000 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 12.50 g 193 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2951
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
S062	2.85	44.0	613	2011	3.10	47.8	670	2198	1960	28500	86.00 mm
S065	3.10	47.8	610	2001	3.35	51.7	668	2191	1970	28600	
S070	3.35	51.7	635	2083	3.45	53.2	672	2204	1980	28700	

compressed

9.3 x 74 R											
Barrel Length: 600 mm				Case: Sellier & Bellot				Max. Cartridge Length: 94.50 mm			
Twist: 14.17"				Primer: 5.3 LR Boxer S&B				Max. Pressure CIP: 3 400 Bar			
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2952
SP 18.50 g 285 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	3.40	52.5	650	2132	3.55	54.8	675	2214	3280	47600	94.50 mm
S062	3.50	54.0	650	2132	3.70	57.1	700	2296	3340	48500	
S065	3.70	57.1	640	2099	4.00	61.7	695	2280	3320	48200	
S070	3.90	60.2	650	2132	4.10	63.3	702	2303	3310	48000	

.45-70 Government											
Barrel Length: 600 mm				Case: Winchester				Max. Cartridge Length: 64.77 mm			
Twist: 20.00"				Primer: CCI 200				Max. Pressure CIP: 2 200 Bar			
(L) 24.50 g 378 grs	Recommended Loads				Maximum Loads						Cartridge Length
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
D060	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	62.00 mm
S070	1.65	25.5	380	1246	1.80	27.8	420	1378	2000	29000	
Bullet	Recommended Loads				Maximum Loads						Cartridge Length
(L) 32.40 g 500 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
D060	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	65.00 mm
S070	1.50	23.1	360	1181	1.60	24.7	380	1246	2100	30500	
S070	2.40	37.0	350	1148	2.60	40.1	370	1214	2050	29800	

.50 Browning											
Barrel Length: 1 143 mm				Case: PMC				Max. Cartridge Length: 138.40 mm			
Twist: 15.00"				Primer: CCI No. 35				Max. Pressure CIP: 3 700 Bar			
Bullet	Recommended Loads				Maximum Loads						Barnes
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 51064
X-BT 42.00 g 648 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D100	15.80	243.8	880	2887	16.00	246.9	920	3018	3650	53000	137.70 mm
Bullet	Recommended Loads				Maximum Loads						Lapua
BULLEX-N 48.60 g 750 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 1271
D100	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D100	13.20	203.7	800	2625	14.40	222.2	860	2822	3700	53700	138.20 mm
Bullet	Recommended Loads				Maximum Loads						Hornady
A-MAX 48.60 g 750 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 5165
D100	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D100	13.20	203.7	800	2625	14.30	220.7	860	2822	3700	53700	138.30 mm

compressed

Lovex D013											
Case: 12/70 Remington Premier			Shots: Ø 2.4 mm / 7 1/2			Crimp: 8 pt			Max. Cartridge Length: 61.00 mm		
Primer: CCI 209 SC			Barrel Length: 600 mm			Barrel Length: 600 mm			Max. Pressure CIP: 740 Bar		
Weight of Shots		350 m/s	1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS
Wad		Powder Charge		Powder Charge		Powder Charge		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains
24	370	1.05	16.2	540	7830	1.15	17.7	630	9140	1.20	18.5
28	432	1.00	15.4	550	7980	1.10	17.0	650	9430	1.15	17.7
32	494	0.95	14.7	560	8120	1.05	16.2	670	9720	1.10	17.0
Case: 12/70 Remington Premier STS			Shots: Ø 2.4 mm / 7 1/2			Crimp: 8 pt			Max. Cartridge Length: 61.00 mm		
Primer: CCI 209 SC			Barrel Length: 600 mm			Barrel Length: 600 mm			Max. Pressure CIP: 740 Bar		
Weight of Shots		350 m/s	1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS
Wad		Powder Charge		Powder Charge		Powder Charge		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains
24	370	1.00	15.4	550	7980	1.10	17.0	620	8990	1.20	18.5
28	432	0.95	14.7	550	7980	1.05	16.2	650	9430	1.10	17.0
32	494	0.90	13.9	560	8120	1.00	15.4	670	9720	1.05	16.2
Case: 12/70 Sellier & Bellot			Shots: Ø 2.4 mm / 7 1/2			Crimp: 6 pt			Max. Cartridge Length: 61.00 mm		
Primer: Martignoni 688			Barrel Length: 600 mm			Barrel Length: 600 mm			Max. Pressure CIP: 740 Bar		
Weight of Shots		350 m/s	1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS
Wad		Powder Charge		Powder Charge		Powder Charge		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains
24	370	1.20	18.5	500	7250	1.30	20.1	600	8700	1.40	21.6
28	432	1.15	17.7	510	7400	1.25	19.3	620	8990	1.35	20.8
32	494	1.10	17.0	520	7540	1.20	18.5	650	9430	1.30	20.1
36	556	1.05	16.2	540	7830	1.15	17.7	630	9140	1.20	18.5
Case: 12/70 Martignoni			Shots: Ø 2.4 mm / 7 1/2			Crimp: 6 pt			Max. Cartridge Length: 61.00 mm		
Primer: Martignoni 684			Barrel Length: 600 mm			Barrel Length: 600 mm			Max. Pressure CIP: 740 Bar		
Weight of Shots		350 m/s	1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS
Wad		Powder Charge		Powder Charge		Powder Charge		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains
24	370	1.20	18.5	500	7250	1.30	20.1	600	8700	1.40	21.6
28	432	1.15	17.7	510	7400	1.25	19.3	620	8990	1.35	20.8
32	494	1.10	17.0	520	7540	1.20	18.5	650	9430	1.30	20.1
36	556	1.05	16.2	540	7830	1.15	17.0	630	9140	1.20	18.5
Case: 12/70 Martignoni			Shots: Ø 2.4 mm / 7 1/2			Crimp: 6 pt			Max. Cartridge Length: 61.00 mm		
Primer: Martignoni 684			Barrel Length: 600 mm			Barrel Length: 600 mm			Max. Pressure CIP: 740 Bar		
Weight of Shots		350 m/s	1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS
Wad		Powder Charge		Powder Charge		Powder Charge		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains
24	370	1.20	18.5	500	7250	1.30	20.1	600	8700	1.40	21.6
28	432	1.15	17.7	510	7400	1.25	19.3	620	8990	1.35	20.8
32	494	1.10	17.0	520	7540	1.20	18.5	650	9430	1.30	20.1
36	556	1.05	16.2	540	7830	1.15	17.0	630	9140	1.20	18.5

Lovex 5015														
Case: 12/70 Remington Premier				Shots: Ø 2.4 mm / 7 1/2				Crimp: 8 pt						
Primer: CCI 209 SC				Barrel Length: 600 mm				Max. Cartridge Length: 61.00 mm						
Weight of Shots				350 m/s				410 m/s						
Wad				Powder Charge				Powder Charge						
Grams	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI			
24	370	TGT-12	1.20	18.5	540	7830	1.30	20.1	650	9430	1.40	21.6	720	10440
28	432	TGT-12	1.15	17.7	530	7690	1.25	19.3	670	9720	1.35	20.8	730	10590
32	494	TGT-12	1.10	17.0	560	8120	1.15	17.7	650	9430	1.25	19.3	720	10440
Case: 12/70 Remington Premier STS				Shots: Ø 2.4 mm / 7 1/2				Crimp: 8 pt						
Primer: CCI 209 SC				Barrel Length: 600 mm				Max. Cartridge Length: 61.00 mm						
Weight of Shots				350 m/s				410 m/s						
Wad				Powder Charge				Powder Charge						
Grams	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI			
24	370	RXP-12	1.20	18.5	500	7250	1.30	20.1	520	7540	1.40	21.6	610	8850
28	432	RXP-12	1.15	17.7	510	7400	1.25	19.3	540	7830	1.35	20.8	650	9430
32	494	RXP-12	1.10	17.0	550	7980	1.20	18.5	580	8410	1.30	20.1	680	9860
Case: 12/70 Sellier & Bellot				Shots: Ø 2.4 mm / 7 1/2				Crimp: 6 pt						
Primer: Martignoni 688				Barrel Length: 600 mm				Max. Cartridge Length: 61.00 mm						
Weight of Shots				350 m/s				410 m/s						
Wad				Powder Charge				Powder Charge						
Grams	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI			
24	370	SB-24	1.25	19.3	470	6820	1.35	20.8	620	8990	1.45	22.4	710	10300
28	432	SB-28	1.20	18.5	510	7400	1.25	19.3	620	8990	1.35	20.8	730	10590
32	494	SB-32	1.15	17.7	520	7540	1.20	18.5	640	9280	1.30	20.1	740	10730
36	556	SB-32	1.10	17.0	540	7830	1.15	17.7	660	9570	1.25	19.3	740	10730
Case: 12/70 Martignoni				Shots: Ø 2.4 mm / 7 1/2				Crimp: 6 pt						
Primer: Martignoni 684				Barrel Length: 600 mm				Max. Cartridge Length: 61.00 mm						
Weight of Shots				350 m/s				410 m/s						
Wad				Powder Charge				Powder Charge						
Grams	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI	Bar	Grains	PSI			
24	370	24	1.30	20.1	520	7540	1.35	20.8	550	7980	1.45	22.4	600	8700
28	432	21	1.25	19.3	530	7690	1.30	20.1	600	8700	1.40	21.6	700	10150
32	494	17	1.20	18.5	540	7830	1.25	19.3	630	9140	1.35	20.8	690	10010

Lovex SO30

Case: 12/70 Remington Premier		Shots: Ø 2.4 mm / 7 1/2				Crimp: 8 pt				Max. Cartridge Length: 61.00 mm				
		Primer: CCI 209 SC				Barrel Length: 600 mm				Max. Pressure CIP: 740 Bar				
Weight of Shots		350 m/s		1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS		
Grams	Grains	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	
24	370	TGT-12	1.30	20.1	500	7250	1.40	21.6	500	7250	1.50	23.1	600	8700
28	432	TGT-12	1.30	20.1	500	7250	1.35	20.8	520	7540	1.45	22.4	610	8850
32	494	TGT-12	1.25	19.3	520	7540	1.30	20.1	550	7690	1.40	21.6	620	8990
Case: 12/70 Remington Premier STS		Shots: Ø 2.4 mm / 7 1/2				Crimp: 8 pt				Max. Cartridge Length: 61.00 mm				
		Primer: CCI 209 SC				Barrel Length: 600 mm				Max. Pressure CIP: 740 Bar				
Weight of Shots		350 m/s		1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS		
Grams	Grains	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	
24	370	RXP-12	1.45	22.4	450	6530	1.50	23.1	450	6530	1.55	23.9	610	8850
28	432	RXP-12	1.45	22.4	450	6530	1.55	23.9	540	7830	1.65	25.5	650	9430
32	494	RXP-12	1.40	21.6	500	7250	1.50	23.1	580	8410	1.55	23.9	680	9860
Case: 12/70 Sellier & Bellot Plastic Bottom: 22 mm		Shots: Ø 2.4 mm / 7 1/2				Crimp: 6 pt				Max. Cartridge Length: 61.00 mm				
		Primer: Martignoni 688				Barrel Length: 600 mm				Max. Pressure CIP: 740 Bar				
Weight of Shots		350 m/s		1150 FPS		380 m/s		1250 FPS		410 m/s		1350 FPS		
Grams	Grains	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	
24	370	SB-24	1.45	22.4	510	7400	1.60	24.7	520	7540	1.70	26.2	610	8850
28	432	SB-28	1.45	22.4	510	7400	1.55	23.9	530	7690	1.65	25.5	650	9430
32	494	SB-32	1.45	22.4	520	7540	1.55	23.9	580	8410	1.65	25.5	680	9860
34	525	SB-32	1.40	21.6	550	7980	1.50	23.1	600	8700	1.60	24.7	700	10150
36	556	SB-32	1.35	20.8	580	8410	1.45	22.4	660	9570	1.55	23.9	730	10590
Case: 12/70 Paper Cartridge		Shots: Ø 3.5 mm / 2				Crimp: 6 pt				Max. Cartridge Length: 61.00 mm				
		Primer: Martignoni 684				Barrel Length: 600 mm				Max. Pressure CIP: 740 Bar				
Weight of Shots		350 m/s		1150 FPS		380 m/s		1250 FPS		390 m/s		1280 FPS		
Grams	Grains	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	
32	494	13 mm	1.80	27.8	480	6960	1.90	29.3	530	7690	2.05	31.6	620	8990
35	540	12 mm	1.75	27.0	480	6960	1.80	27.8	520	7540	2.00	30.9	650	9430
38	586	12 mm	1.75	27.0	500	7250	1.80	27.8	580	8410	2.00	30.9	690	10010
Case: 16/70 Paper Cartridge		Shots: Ø 3.5 mm / 2				Crimp: 6 pt				Max. Cartridge Length: 61.00 mm				
		Primer: Martignoni 684				Barrel Length: 600 mm				Max. Pressure CIP: 780 Bar				
Weight of Shots		350 m/s		1150 FPS		380 m/s		1250 FPS		390 m/s		1280 FPS		
Grams	Grains	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	Powder Charge Grams	Grains	Pressure Bar	PSI	
30	463	13 mm	1.50	23.1	490	7110	1.60	24.7	610	8850	1.70	26.2	710	10300

VESUVIT LC 1									
Kentucky Pistol (cal .50)									
Barrel Length: L6 = 254 mm Barrel Dim: 2,223 mm across flats Rate of Twist: 422 mm		Projektile: 12.5 mm		Type: Hornady round ball		Patch: 0.33 mm Irish linen			
		Primer Cap: 4.7		Weight: 11.4/178 g/grs		Lube: No. 55			
Powder Charge (Approx. gr. wt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule	Foot-pound	Foot-pound
20FFFFg	1.34	20.7	215	705	198	649	263	194	194
30FFFFg	2.00	31.0	242	794	226	741	334	246	246
40FFFFg	2.67	41.2	297	974	286	938	503	371	371
VESUVIT LC									
Kentucky Pistol (cal .50)									
Barrel Length: L6 = 254 mm Barrel Dim: 2,223 mm across flats Rate of Twist: 422 mm		Projektile: 12.5 mm		Type: Hornady round ball		Patch: 0.33 mm Irish linen			
		Primer Cap: 4.7		Weight: 11.4/178 g/grs		Lube: No. 55			
Powder Charge (Approx. gr. wt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule	Foot-pound	Foot-pound
20FFFFg	1.34	20.7	187	613	171	561	199	147	147
30FFFFg	2.00	31.0	231	758	215	705	304	224	224
40FFFFg	2.67	41.2	286	938	275	902	466	344	344
VESUVIT LC 2									
Kentucky Pistol (cal .50)									
Barrel Length: L6 = 254 mm Barrel Dim: 2,223 mm across flats Rate of Twist: 422 mm		Projektile: 12.5 mm		Type: Hornady round ball		Patch: 0.33 mm Irish linen			
		Primer Cap: 4.7		Weight: 11.4/178 g/grs		Lube: No. 55			
Powder Charge (Approx. gr. wt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule	Foot-pound	Foot-pound
20FFFFg	1.34	20.7	169	554	156	512	163	120	120
30FFFFg	2.00	31.0	221	725	176	577	278	205	205
40FFFFg	2.67	41.2	272	892	261	856	422	311	311

VESUVIT LC 1

1858 2-Band Enfield Navy (cal .58)

Barrel Length: L6 = 830 mm Barrel Dim: Tapered Rate of Twist: 1:1219 mm		Projektile 14.65 mm		Type: Lyman Minie Mould/No. 577611		Patch: None	
Primer Charge (Approx.grwt)		Primer Cap: Musket Cap		Weight: 34.34/530 g/grs		Lube: 103	
Powder Charge (Approx.grwt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule
40FFFg	2.67	41.2	308	1010	303	994	1629
50FFFg	3.43	53.0	352	1155	347	1138	2127
60FFFg	4.21	65.0	380	1246	374	1227	2479
Ignition: Navy Arms Musket Cap		Energy Muzzle		Foot-pound		1202	
Energy Muzzle		Foot-pound		1570		1830	

VESUVIT LC

1858 2-Band Enfield Navy (cal .58)

Barrel Length: L6 = 830 mm Barrel Dim: Tapered Rate of Twist: 1:1219 mm		Projektile 14.65 mm		Type: Lyman Minie Mould/No. 577611		Patch: None	
Primer Charge (Approx.grwt)		Primer Cap: Musket Cap		Weight: 34.34/530 g/grs		Lube: 103	
Powder Charge (Approx.grwt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule
40FFFg	2.67	41.2	297	974	292	958	1514
50FFFg	3.43	53.0	336	1102	330	1082	1938
60FFFg	4.21	65.0	369	1210	363	1191	2338
Ignition: Navy Arms Musket Cap		Energy Muzzle		Foot-pound		1118	
Energy Muzzle		Foot-pound		1431		1725	

VESUVIT LC 2

1858 2-Band Enfield Navy (cal .58)

Barrel Length: L6 = 830 mm Barrel Dim: Tapered Rate of Twist: 1:1219 mm		Projektile 14.65 mm		Type: Lyman Minie Mould/No. 577611		Patch: None	
Primer Charge (Approx.grwt)		Primer Cap: Musket Cap		Weight: 34.34/530 g/grs		Lube: 103	
Powder Charge (Approx.grwt)		Muzzle velocity		Velocity 50 yds.		Energy Muzzle	
(Volume)	Gramy	Grainy	m/s	FPS.	m/s	FPS.	Joule
40FFFg	2.67	41.2	280	918	274	899	1346
50FFFg	3.43	53.0	315	1033	309	1014	1704
60FFFg	4.21	65.0	350	1148	344	1128	2103
Ignition: Navy Arms Musket Cap		Energy Muzzle		Foot-pound		993	
Energy Muzzle		Foot-pound		1257		1552	

APPROXIMATE BURNING RATE CHART

DO NOT USE FOR CALCULATION OF LOADS!

LOVEX	Accurate	Alliant	Hodgdon	IMR	Norma	PB	Ramshot	RWS	Vectan	Vihtavuori	Winchester
						PCL514					
			Titewad								
D013	Nitro 100				R1						WST
S011			HP38					P805	Ba10	N310	
S015	Solo 1000	Bullseye	Titegroup	Trail Boss				P801			231
			Clays				Competition				452
D032	No. 2	Red Dot		Hi-Skor 700X		PCL506				N320	WSL
S030	Solo 1250	American Select	Clays Intl	PB					AS		473
S020		Promo		SR7625			Zip			N32C	
S035		Green Dot						P804	A1		
D036	No. 5	Unique	Clays Universal								WSF
		Power Pistol	HS-6			PCL501			Ba9	N330	540
		Herco	Longshot	SR4756		PCL504	Silhouette		SP8	N340	WAP
									A0	3N37	
				Hi-Skor 800X			True Blue			N350	
		Blue Dot							SP2 Pract.	3N38	571
D0371	No. 7	Steel	HS-7							N105	
		2400					Enforcer				
D0372	No. 9				R-123				SP3		
	4100		H110	SR4759				P806			
S040			H4198	IMR4227		PCL512		R910		N110	296
			Li'l Gun						Ba6		680
D060	5744	410	H4227		200			R901			
S053											
D063	1680	Reloder 7		IMR4198					Tubal 2000	N120	
S060	2015					PCL508					
		Reloder 11	Benchmark	IMR3031				R902			
D073.4	2230		H322			PCL507					
D073.5	2460	Reloder 10X	BL(C)-2		201				SP10	N130	748
			H335		202		X-Terminator		Tubal 3000	N133	
	2495							R903			
D073.6	2520			IMR4064					SP9		
S062	4064	Reloder 12	H4895	IMR4895			TAC			N530	
										N135	
S065			Varget	IMR4320					SP7		
	2700	Reloder 15	H380		203B	PCL511	Big Game	R907		N140	
			H414							N540	760
S070	4350		H4350		URP			R904	Tubal 5000	N150	
		Reloder 19		IMR4350						N550	
			H450		204		Hunter		SP11		WMR
			H4831SC	IMR4831					Tubal 7000	N160	785
S071	3100		H4831		MRP			R905		N560	
	MagPro	Reloder 22		IMR7828SSC	MRP(2)				Tubal 8000	N165	WXR
	H1000	Reloder 25		IMR7828			Magnum				
	8700		Retumbo							N170	
			H870			PCL520			SP13	N570	
			50BMG							24N41	
D100			H5010							20N29	

Fast Burning

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Slow Burning

SHOTGUN POWDERS



BLACK POWDERS

HANDGUN POWDERS



RIFLE POWDERS



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