



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 International Permanente) June 13, 1990 and November 9, 1993 rules. 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 someone 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!**

LOVEX powders for pistols and revolvers

CALIBRES	D013	S011	S015	D032	S020	D036	D037.1	D037.2
7.6 x 25 TOKAREV		usable		recommended	recommended	usable	usable	usable
.380 AUTO		recommended		recommended	recommended	usable		
9 mm LUGER		usable				recommended	usable	
.38 SPECIAL	recommended	recommended	recommended	recommended	recommended	usable		
.357 MAGNUM		usable		usable	recommended	recommended	usable	usable
.357 SIG				recommended	recommended	usable	usable	usable
.40 S&W								
.44 REMINGTON MAG.		usable		usable	usable	recommended	recommended	recommended
.45 ACP	recommended	recommended	recommended	recommended	recommended	usable		

LOVEX powders for rifles

CALIBRES	S040	D060	S053	D063	S060	D073.4	D073.5	S062	D073.6	S065	S070	S071	D100
.22 HORNET	usable		usable	usable									
.222 REMINGTON	usable		usable	recommended		recommended	usable		usable				
.223 REMINGTON			usable	usable	usable	recommended	recommended		usable				
.243 WINCHESTER					usable			usable		recommended	recommended		
6.5 x 55 mm SWEDISH					usable	usable	usable	usable	usable	recommended	recommended	usable	
.270 WINCHESTER					usable	usable	usable	recommended	usable	recommended	recommended		
7 x 57 mm MAUSER					usable			usable	usable	recommended	recommended		
7 mm REMINGTON MAG.					usable			usable	usable	recommended	recommended		
.30 M1 CARBINE	usable			usable									
.300 AAC BLCKOUT		usable		recommended									
.308 WINCHESTER					recommended	usable	usable	usable	recommended	usable			
7.62 x 39 mm RUSSIAN			recommended	recommended		usable	usable	usable	usable	usable			
7.62 x 54 mm RUSSIAN					recommended	usable	usable	recommended	usable	usable			
.30-06 SPRINGFIELD					usable			recommended	usable	recommended	recommended	usable	
.300 WINCHESTER MAG.								usable	usable	usable	recommended	recommended	
.303 BRITISH					usable	usable	usable	recommended	usable	usable	usable		
8 x 57 mm IS (0.323")								recommended		recommended	usable	usable	
.338 LAPUA MAGNUM										usable	recommended	usable	
9.3 X 62 mm					usable	usable	usable	recommended	usable	usable	usable		
9.3 x 74 R mm					usable			usable		recommended	recommended		
.45-70 GOVERNMENT		recommended									usable		
.50 BROWNING													recommended

usable

recommended



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

Properties and Storage of Smokeless Powder

Properties of Smokeless Powder

Smokeless powders, or propellants are essentially mixtures of chemical 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 they ignition temperature.

This can occur by exposing powder to:

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

When smokeless powder burns, a great deal of gas at high temperature is formed. If the powder is confined, this gas will create pressure in the surrounding structure. The rate of gas generation is such, however, that the pressure can be kept at low level if sufficient space is available or if the gas can escape.

In this respect 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, that is to change from solid state to gaseous state with evolution of intense heat at such a rapid rate that shock waves are propagated through any medium in contact with them. Such shock waves exert pressure on anything they contact, and, as a matter of practical consideration, it is almost impossible to satisfactorily vent away the effects of detonation involving any appreciable quantity 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 when in a gun. 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 a residue 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 residue. The burning rate of smokeless powder increases with increased pressure.

If burning smokeless powder is confined, gas pressure will rise and eventually can cause the container to burst. Under such circumstances, the burning of strong containers creates effects similar to an explosion.

For this reason, the Department of transportation (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 on the container and smelling the contents.

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 1in deep). The quality burned in any one pile should never exceed one pound. Use an ignition train of slow burning combustible material so that the person may retreat to safe distance before powder is ignited.

Consideration for Storage of Smokeless Powder

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

For these reasons, it is desirable that storage enclosures be 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 produce 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. Sufficient large to satisfactorily vent the gaseous products of combustion which would result 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 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.

Recommendations for Storage of Smokeless Powder

Store in a cool, dry place. 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 where it will 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 department of transportation approved containers.

Do not transfer the powder from an approved containers 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. Destroy deteriorated powders immediately.

Obey all regulations regarding quality and methods of storing. Do not store all yours 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 shotguns. 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 shotguns 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 .30-06 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 kind of bullets is significant marked by different colour according to producers.

Bullets producer	Used colour in this Manual
Ares	ARES
Barnes	BARNES
Hornady	HORNADY
Lapua	LAPUA
Norma	NORMA
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 easily conducted with safety. But like many other human endeavours, 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 leisurely 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. Scarp all unidentified powders according to the manufacturer's instructions on your powders canister. **KEEP IN MIND THAT THE TRIAL AND ERROR METHOD MYA LEAD TO SERIOS 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.** Disassemble always the defected cartridges. **NEVER EXCEED THE MAXIMUM LOADS!**
8. Check visually the powder level in the cases so you are absolutely sure that you have no a double powder charge. When the double powder charge is fired, it may result in a **GUN DAMAGE, PERSONAL INJURY and 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 cartridge overall lengths (C.O.L.) according to the reloading tables. The change in the bullet seating depth has a significant influence on the cartridge pressure.
11. **NEVER 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 STORING VALID IN YOUR COUNTRY.**

15. Be safe, be conscientious!

Lead Exposure

A continuous lead exposure has been found out to create lead accumulation to living bodies, especially to the nervous system causing little by little serious physical impairment. There are different ways lead may enter the body. However, the two most common are considered to be the mouth 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 volume 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 handloaded and factory ammunition can be entered as it's 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				Pressure		Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length 23.00 mm
3.30 g 50 grs	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	
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				Pressure		Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length 35.00 mm
5.50 g 85 grs	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	
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				Pressure		Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length 25.00 mm
4.75 g 73 grs	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	
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				Pressure		Sellier & Bellot
(L)WC	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length 24.30 mm
6.50 g 100 grs	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	
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	

HANDGUN DATA

.32 Smith & Wesson Long (continued)

Bullet (L)LRN	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
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	
D032	0.190	2.9	240	787	0.220	3.4	280	918	960	13900	32.50 mm
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 (L)	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
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	
D032	0.210	3.2	280	918	0.250	3.9	320	1050	1260	18300	24.90 mm
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 Parabelum / 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 (L)	Recommended Loads				Maximum Loads						Ares
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
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	
D032	0.230	3.5	330	1082	0.265	4.1	350	1148	2290	33200	28.20 mm
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)	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		RNBB
8.00 g 124 grs	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	
D032	0.190	2.9	300	984	0.245	3.8	330	1082	2320	33600	28.20 mm
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 (L)LRN 8.00 g 124 grs	Recommended Loads				Maximum Loads						Seller & Bellot
	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	330	1082	0.275	4.2	350	1148	2280	33100	28.40 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	
Bullet (L) 8.20 g 127 grs	Recommended Loads				Maximum Loads						Ares RNSBBNG
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.160	2.5	250	820	0.200	3.1	290	951	2340	33900	28.40 mm
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 (L) 9.90 g 153 grs	Recommended Loads				Maximum Loads						Ares RNSBBNG
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.160	2.5	240	787	0.190	2.9	270	886	2340	33900	28.40 mm
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 SP 6.50 g 100 grs	Recommended Loads				Maximum Loads						Seller & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.270	4.2	370	1214	0.300	4.6	400	1312	2340	33900	27.50 mm
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 FMJ 7.50 g 115 grs	Recommended Loads				Maximum Loads						Seller & Bellot
	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	350	1148	0.280	4.3	360	1181	2350	34100	29.69 mm
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	

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9 mm Luger / 9 mm Parabellum / 9 x 19 (continued)											
Bullet JHP	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	
7.50 g 115 grs											29.69 mm
S011	0.230	3.5	320	1050	0.250	3.9	350	1148	2200	31900	
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 SP	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	
8.00 g 124 grs											28.40 mm
S011	0.260	4.0	340	1115	0.285	4.4	360	1181	2320	33600	
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 FMJ	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	
8.00 g 124 grs											29.69 mm
S011	0.250	3.9	325	1066	0.280	4.3	355	1164	2290	33200	
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 FMJ	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	
9.10 g 140 grs											26.50 mm
S011	0.190	2.9	280	918	0.215	3.3	305	1000	2340	33900	
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	

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 (L)LRN	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	
8.00 g 124 grs											29.75 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	

9 x 21 (continued)											
Bullet	Recommended Loads				Maximum Loads						Seller & Ballot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
7.50 g 115 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 29.75 mm
S011	0.290	4.5	330	1082	0.310	4.8	360	1181	2350	34100	
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 & Ballot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
8.00 g 124 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 29.75 mm
S011	0.280	4.3	320	1050	0.300	4.6	350	1148	2230	32300	
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: Sellier & Ballot				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 & Ballot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
9.10 g 140 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 28.96 mm
S011	0.330	5.1	350	1148	0.370	5.7	380	1246	2980	43200	
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: Sellier & Ballot				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 & Ballot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
6.10 g 95 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 25.00 mm
S011	0.220	3.4	320	1050	0.245	3.8	355	1164	1580	22900	
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	

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.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 (L)WC	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
9.60 g 148 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.160	2.5	200	656	0.225	3.5	265	869	1480	21500	
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 (L)	Recommended Loads				Maximum Loads						Ares SWCBB
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.270	4.2	265	869	0.300	4.6	295	968	1460	21200	
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 (L)	Recommended Loads				Maximum Loads						Ares FPBB
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S011	0.280	4.3	260	853	0.320	4.9	295	968	1480	21500	
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 (L)LRN	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
D013	0.250	3.9	250	820	0.320	4.9	300	984	1480	21500	
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 FMJ	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
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	

.38 Special (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
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	

.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			
Bullet	Recommended Loads				Maximum Loads						Ares SWCBB
(L)	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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						Sellier & Bellot
(L)LRN	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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						Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
10.25 g 158 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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	

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.357 Magnum (continued)											
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP 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	0.455	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
(L) 11.20 g 170 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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: 4.4 SPMP Boxer S&B				Max. Pressure CIP: 2 300 Bar			
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	0.310	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
SP	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
15.55 g 240 grs											40.89 mm
S011	0.640	9.9	330	1082	0.660	10.2	375	1230	2790	40500	
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
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
14.90 g 230 grs											28.80 mm
D013	0.220	3.4	195	640	0.235	3.6	210	689	1280	18600	
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
(L)	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		FPBB
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
14.60 g 225 grs											30.60 mm
D013	0.250	3.9	250	820	0.300	4.6	265	869	1280	18600	
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	

HANDGUN DATA

.45 Auto / .45 ACP (continued)

Bullet (L)	Recommended Loads				Maximum Loads						Ares RNBB
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
14.90 g 230 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 32.00 mm
D013	0.260	4.0	240	787	0.300	4.6	270	886	1280	18600	
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						Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
14.90 g 230 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 32.35 mm
D013	0.300	4.6	225	738	0.335	5.2	260	853	1280	18600	
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 (L)FN	Recommended Loads				Maximum Loads						Sellier & Bellot
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
16.20 g 250 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 40.30 mm
S011	0.400	6.2	210	689	0.550	8.5	290	951	1100	16000	
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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
14.90 g 230 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 40.30 mm
S011	0.420	6.5	205	673	0.510	7.9	260	853	1100	16000	
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 Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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 Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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 Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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 Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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	
D073.6	1.55	23.9	920	3018	1.60	24.7	940	3083	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 Cartridge Length
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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	
D073.6	1.55	23.9	920	3018	1.60	24.7	940	3083	2800	40600	

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RIFLE DATA

.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 56.60 mm	
	S053	1.30	20.1	930	3050	1.37	21.1	975	3198	4260		61800
	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						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 56.60 mm	
	S053	1.30	20.1	930	3050	1.37	21.1	965	3165	4260		61800
	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						Sierra	
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 56.60 mm	
	S060	1.40	21.6	860	2821	1.50	23.1	920	3018	4000		58100
	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 56.60 mm	
	S060	1.35	20.8	860	2821	1.45	22.4	900	2952	4000		58100
	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		

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.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	
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	
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	

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	

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RIFLE DATA

5.6 x 50 R Mag. (continued)

Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
SP	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2913
3.24 g 50 grs	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	970	3182	3380	49100	58.70 mm
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				Pressure		Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2904
4.60 g 70 grs	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	63.00 mm
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	
S066	1.80	27.8	840	2755	1.85	28.5	860	2821	3120	45300	
Bullet	Recommended Loads				Maximum Loads				Pressure		Sellier & Bellot
SP	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2915
4.60 g 70 grs	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	63.00 mm
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	
S066	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				Pressure		Hornady
SST	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 24532
6.20 g 95 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length
S060	2.10	32.4	830	2722	2.20	34.0	860	2821	4140	60100	67.00 mm
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	
S071	2.40	37.0	840	2755	2.70	41.7	870	2854	3900	56600	
Bullet	Recommended Loads				Maximum Loads				Pressure		Hornady
RN	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2921
6.50 g 100 grs	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	66.40 mm
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	
S071	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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2921
6.50 g 100 grs	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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 35642
6.50 g 100 grs	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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2925
7.60 g 117 grs	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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2923
8.50 g 131 grs	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						
HPBT	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. GB 458
9.00 g 139 grs	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	

RIFLE DATA

6.5 x 55 SE (continued)

Bullet SP	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2928
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
9.10 g 140 grs	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	
S065	2.45	37.8	730	2394	2.55	39.4	770	2526	3760	54600	75.30 mm
S070	2.60	40.1	750	2460	2.75	42.4	790	2591	3710	53800	
Bullet FMJ-BT 9.10 g 140 grs	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2905
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
S062	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	
S065	2.45	37.8	730	2394	2.55	39.4	770	2526	3760	54600	78.00 mm
S070	2.60	40.1	750	2460	2.75	42.4	790	2591	3710	53800	
Bullet GR RN 10.40 g 160 grs	Recommended Loads				Maximum Loads						Hornady No. 2640
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
S062	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	
S065	2.30	35.5	665	2181	2.50	38.6	720	2362	3720	54000	75.70 mm
S070	2.70	41.7	750	2460	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 SP	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2923
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
8.50 g 131 grs	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	
S062	2.50	38.6	745	2444	2.60	40.1	780	2558	3880	56300	77.00 mm
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 SP	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2923
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
8.50 g 131 grs	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	
S062	2.40	37.0	745	2444	2.55	39.4	790	2591	3290	47800	77.00 mm
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	

.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	

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	

 compressed

RIFLE DATA

7 x 57 (continued)

7 x 57 (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	2.45	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	
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	
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	

 compressed

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 No. 22810
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
V-MAX 7.80 g 120 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 75.00 mm
S060	2.50	38.6	820	2690	2.70	41.7	860	2821	3400	49400	
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						
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	
Bullet	Recommended Loads				Maximum Loads						
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						
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						
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	

RIFLE DATA

7 x 57 R (continued)

Bullet	Recommended Loads				Maximum Loads						Norma
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67006
VULKAN 11.00 g 170 grs	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	
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
	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	2.15	33.2	670	2198	2.30	35.5	695	2280	3390	
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
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 35645
PARTITION 11.30 g 175 grs	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	
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
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 22810
V-MAX 7.80 g 120 grs	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	
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
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2931
SP 9.00 g 139 grs	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	
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	

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7 x 64 (continued)

Bullet	Recommended Loads				Maximum Loads						Seller & Bellot No. 2955	
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure			
9.10 g 140 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 84.00 mm	
	S060	3.00	46.3	800	2624	3.20	49.4	860	2821	3875		56200
	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
	Bullet	Recommended Loads				Maximum Loads						Hornady No. 28302
GR SST 10.00 g 154 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure			
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 82.60 mm	
	S062	2.90	44.8	765	2509	3.20	49.4	850	2788	4140		60100
	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
Bullet	Recommended Loads				Maximum Loads							Seller & Bellot No. 2981
HPC 10.20 g 158 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure			
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 83.60 mm	
	S062	2.90	44.8	780	2558	3.10	47.8	820	2690	4150		60200
	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
Bullet	Recommended Loads				Maximum Loads							Norma No. 67006
VULKAN 11.00 g 170 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure			
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 81.50 mm	
	S062	2.90	44.8	750	2460	3.15	48.6	800	2624	3950		57300
	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
Bullet	Recommended Loads				Maximum Loads							Seller & Bellot No. 2932
SPCE 11.20 g 173 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure			
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 82.50 mm	
	S062	2.90	44.8	755	2476	3.05	47.1	800	2624	4130		59900
	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

 compressed

RIFLE DATA

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	
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 81.20 mm	
	S060	2.95	45.5	810	2657	3.05	47.1	850	2788	3785		54900
	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	
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 83.60 mm	
	S060	2.95	45.5	810	2657	3.05	47.1	850	2788	3790		55000
	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	
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 83.60 mm	
	S060	2.65	40.9	740	2427	2.85	44.0	790	2591	3820		55400
	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	
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 82.50 mm	
	S060	2.60	40.1	725	2378	2.80	43.2	750	2460	3800		55200
	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

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 No. 2932
	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	Cartridge Length
S060	3.10	47.8	810	2657	3.25	50.2	830	2722	4180	60700	
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 No. 2939
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
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	
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 No. 2909
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 11.70 g 180 grs	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	
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 No. 2960
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
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	
D063	0.85	13.1	605	1984	0.95	14.7	650	2132	3189	46300	

RIFLE DATA

.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
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
SP	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2934
9.70 g 150 grs											Cartridge Length 64.00 mm
S060	1.80	27.8	680	2230	1.90	29.3	720	2362	3190	46300	
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
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2908
9.55 g 147 grs											Cartridge Length 70.80 mm
S060	2.70	41.7	825	2706	2.85	44.0	860	2821	4125	59800	
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						Hornady
SPCE	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
9.70 g 150 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 2936
S060	2.65	40.9	820	2690	2.80	43.2	860	2821	4090	59300	Cartridge Length 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	
S066	2.80	43.2	790	2591	2.95	45.5	826	2709	3500	50800	
Bullet	Recommended Loads				Maximum Loads						Hornady
SST	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
10.70 g 165 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	No. 30452
S060	2.40	37.0	740	2427	2.55	39.4	780	2558	4150	60200	Cartridge Length 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	
S066	2.80	43.2	790	2591	2.95	45.5	826	2709	3500	50800	

compressed

.308 Winchester (continued)											
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	2.35	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	
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	2.50	38.6	770	2526	2.62	40.4	810	2657	4120	59800	71.10 mm
D073.4	2.70	41.7	770	2526	2.85	44.0	815	2673	4130	59900	
D073.5	2.70	41.7	775	2542	2.85	44.0	810	2657	4140	60000	
D073.6	2.80	43.2	780	2558	2.95	45.5	825	2706	4080	59200	
S062	2.70	41.7	780	2558	2.80	43.2	810	2657	3890	56400	
S065	2.75	42.4	730	2394	2.80	43.2	750	2460	3100	45000	
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	2.35	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	
Bullet	Recommended Loads				Maximum Loads						Hornady
SST 11.70 g 180 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30702
	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	740	2427	4000	58000	70.00 mm
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

RIFLE DATA

.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						Hornady
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						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	2.30	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						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	2.30	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 HPC	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2983
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
11.70 g 180 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 71.10 mm
S060	2.40	37.0	750	2460	2.50	38.6	770	2526	4080	59200	
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						
SP	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2937
11.70 g 180 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 71.10 mm
S060	2.50	38.6	710	2329	2.60	40.1	750	2460	4020	58300	
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						
ORYX	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 67639
13.00 g 200 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 68.70 mm
S060	2.20	34.0	640	2099	2.40	37.0	690	2263	4120	59800	
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 SPCE	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2936
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
9.70 g 150 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 80.00 mm
S060	3.00	46.3	830	2722	3.25	50.2	875	2870	4020	58300	
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

RIFLE DATA

.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	
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	
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	
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	
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	
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	
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	
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	
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	
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	

compressed

.30-06 Springfield (continued)

Bullet	Recommended Loads				Maximum Loads						Hornady
IT-BOND	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30709
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	58600	82.40 mm
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	
Bullet	Recommended Loads				Maximum Loads						Nosler
ACCUBOND	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 54825
11.70 g 180 grs	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	
Bullet	Recommended Loads				Maximum Loads						Nosler
SPITZER	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 30180
11.70 g 180 grs	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	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot
FMJ	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2957
11.70 g 180 grs	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	

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RIFLE DATA

.30-06 Springfield (continued)											
Bullet HPC 11.70 g 180 grs	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2983
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
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	3722	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	
D073.6	3.15	48.6	735	2411	3.30	50.9	800	2624	3990	57900	83.40 mm
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						
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	
D073.6	2.90	44.8	685	2247	3.10	47.8	740	2427	4120	59800	81.00 mm
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						
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	
D073.6	2.85	44.0	660	2165	3.05	47.1	700	2296	4050	58700	81.00 mm
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						
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	
D073.6	2.85	44.0	660	2165	3.05	47.1	710	2329	4140	60000	81.00 mm
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

.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	
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	

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	
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	

 compressed

RIFLE DATA

.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						Barnes No. 2908
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 9.55 g 147 grs	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	
D063	1.10	17.0	570	1870	1.25	19.3	600	1969	2800	40600	
Bullet	Recommended Loads				Maximum Loads						Sierra No. 2200
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
HPBT 10.90 g 168 grs	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	
D063	1.00	15.4	490	1608	1.20	18.5	570	1870	3200	46400	
Bullet	Recommended Loads				Maximum Loads						Sellier & Bellot No. 2957
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
FMJ 11.70 g 180 grs	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	
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 No. 2315
	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
HPBT 11.30 g 174 grs	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	
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

RIFLE DATA

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	

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 488 8017
	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

RIFLE DATA

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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 69305
15.00 g 232 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 80.00 mm
S060	3.50	54.0	720	2362	3.70	57.1	780	2558	3720	54000	
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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2952
18.50 g 285 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 83.00 mm
S060	3.35	51.7	670	2198	3.50	54.0	705	2312	3890	56500	
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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 3560
18.55 g 286 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 79.50 mm
S060	3.20	49.4	670	2198	3.40	52.5	705	2312	3890	56500	
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	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 2951
12.50 g 193 grs	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	Cartridge Length 86.00 mm
S062	2.85	44.0	613	2011	3.10	47.8	670	2198	1960	28500	
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
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	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			
Bullet	Recommended Loads				Maximum Loads						Cartridge Length
(L) 24.50 g 378 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
D060	1.65	25.5	380	1246	1.80	27.8	420	1378	2000	29000	62.00 mm
S070	3.00	46.3	370	1214	3.35	51.7	430	1410	2100	30500	
Bullet	Recommended Loads				Maximum Loads						Cartridge Length
(L) 32.40 g 500 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		
	Grams	Grains	m/s	FPS	Grams	Grains	m/s	FPS	Bar	PSI	
D060	1.50	23.1	360	1181	1.60	24.7	380	1246	2100	30500	65.00 mm
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
X-BT 42.00 g 648 grs	Powder Charge		Velocity V5		Powder Charge		Velocity V5		Pressure		No. 51064
	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
	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
	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: 12/770 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		Pressure		Powder Charge		Pressure		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI
24	370	1.05	16.2	540	7830	1.15	17.7	630	9140	1.20	18.5	690	10010
28	432	1.00	15.4	550	7980	1.10	17.0	650	9430	1.15	17.7	700	10150
32	494	0.95	14.7	560	8120	1.05	16.2	670	9720	1.10	17.0	720	10440
Case: 12/770 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		Pressure		Powder Charge		Pressure		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI
24	370	1.00	15.4	550	7980	1.10	17.0	620	8990	1.20	18.5	720	10440
28	432	0.95	14.7	560	7980	1.05	16.2	650	9430	1.10	17.0	700	10150
32	494	0.90	13.9	560	8120	1.00	15.4	670	9720	1.05	16.2	730	10590
Case: 12/770 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		Pressure		Powder Charge		Pressure		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI
24	370	1.20	18.5	500	7250	1.30	20.1	600	8700	1.40	21.6	690	10010
28	432	1.15	17.7	510	7400	1.25	19.3	620	8990	1.35	20.8	720	10440
32	494	1.10	17.0	520	7540	1.20	18.5	650	9430	1.30	20.1	720	10440
36	556	1.05	16.2	540	7830	1.15	17.7	630	9140	1.20	18.5	690	10010
Case: 12/770 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		Pressure		Powder Charge		Pressure		Powder Charge		Pressure	
Grams	Grains	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI	Grams	Grains	Bar	PSI
24	370					1.30	20.1	530	7690	1.40	21.6	650	9430
28	432	21				1.25	19.3	580	8410	1.35	20.8	670	9720
32	494	17		490	7110	1.20	18.5	600	8700	1.30	20.1	700	10150
36	556	15		540	7830	1.10	17.0	630	9140	1.20	18.5	690	10010

Lovex S015

Case: 12/70 Remington Premier		Shots: Ø 2.4 mm / 7 1/2 Primer: CCI 209 SC		1150 FPS		Pressure		Powder Charge		1250 FPS		Pressure		Powder Charge		410 m/s		Max. Cartridge Length: 61.00 mm Max. Pressure CIP: 740 Bar						
Weight of Shots		Wad		350 m/s		Grains		Bar		PSI		Grains		Bar		PSI		Grains		Bar		PSI		
24	370	TGT-12	1.20	18.5	540	7830	1.30	20.1	650	9430	1.40	21.6	720	10440	1.40	21.6	720	10440	1.40	21.6	720	10440	1.40	21.6
28	432	TGT-12	1.15	17.7	530	7690	1.25	19.3	670	9720	1.35	20.8	730	10590	1.35	20.8	730	10590	1.35	20.8	730	10590	1.35	20.8
32	494	TGT-12	1.10	17.0	560	8120	1.15	17.7	650	9430	1.25	19.3	720	10440	1.25	19.3	720	10440	1.25	19.3	720	10440	1.25	19.3
Case: 12/70 Remington Premier STS		Shots: Ø 2.4 mm / 7 1/2 Primer: CCI 209 SC		350 m/s		1150 FPS		Pressure		1250 FPS		Pressure		Powder Charge		410 m/s		Max. Cartridge Length: 61.00 mm Max. Pressure CIP: 740 Bar						
Weight of Shots		Wad		350 m/s		Grains		Bar		PSI		Grains		Bar		PSI		Grains		Bar		PSI		
24	370	RXP-12	1.20	18.5	500	7250	1.30	20.1	520	7540	1.40	21.6	610	8850	1.40	21.6	610	8850	1.40	21.6	610	8850	1.40	21.6
28	432	RXP-12	1.15	17.7	510	7400	1.25	19.3	540	7830	1.35	20.8	650	9430	1.35	20.8	650	9430	1.35	20.8	650	9430	1.35	20.8
32	494	RXP-12	1.10	17.0	550	7980	1.20	18.5	580	8410	1.30	20.1	680	9860	1.30	20.1	680	9860	1.30	20.1	680	9860	1.30	20.1
Case: 12/70 Sellier & Bellot		Shots: Ø 2.4 mm / 7 1/2 Primer: Martignoni 688		350 m/s		1150 FPS		Pressure		1250 FPS		Pressure		Powder Charge		410 m/s		Max. Cartridge Length: 61.00 mm Max. Pressure CIP: 740 Bar						
Weight of Shots		Wad		350 m/s		Grains		Bar		PSI		Grains		Bar		PSI		Grains		Bar		PSI		
24	370	SB-24	1.25	19.3	470	6820	1.35	20.8	620	8990	1.45	22.4	710	10300	1.45	22.4	710	10300	1.45	22.4	710	10300	1.45	22.4
28	432	SB-28	1.20	18.5	510	7400	1.25	19.3	620	8990	1.35	20.8	730	10590	1.35	20.8	730	10590	1.35	20.8	730	10590	1.35	20.8
32	494	SB-32	1.15	17.7	520	7540	1.20	18.5	640	9280	1.30	20.1	740	10730	1.30	20.1	740	10730	1.30	20.1	740	10730	1.30	20.1
36	556	SB-32	1.10	17.0	540	7830	1.15	17.7	660	9570	1.25	19.3	740	10730	1.25	19.3	740	10730	1.25	19.3	740	10730	1.25	19.3
Case: 12/70 Martignoni		Shots: Ø 2.4 mm / 7 1/2 Primer: Martignoni 684		350 m/s		1150 FPS		Pressure		1250 FPS		Pressure		Powder Charge		410 m/s		Max. Cartridge Length: 61.00 mm Max. Pressure CIP: 740 Bar						
Weight of Shots		Wad		350 m/s		Grains		Bar		PSI		Grains		Bar		PSI		Grains		Bar		PSI		
24	370	24	1.30	20.1	520	7540	1.35	20.8	550	7980	1.45	22.4	600	8700	1.45	22.4	600	8700	1.45	22.4	600	8700	1.45	22.4
28	432	21	1.30	20.1	530	7690	1.30	20.1	550	7980	1.45	22.4	580	8410	1.45	22.4	580	8410	1.45	22.4	580	8410	1.45	22.4
32	494	17	1.25	19.3	530	7690	1.30	20.1	600	8700	1.40	21.6	700	10150	1.40	21.6	700	10150	1.40	21.6	700	10150	1.40	21.6
36	556	15	1.20	18.5	540	7830	1.25	19.3	630	9140	1.35	20.8	690	10010	1.35	20.8	690	10010	1.35	20.8	690	10010	1.35	20.8

Lovex S030

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

Lovex S030 (continued)

Case: 20/70 Paper Cartridge			Shots: Ø 3.5 mm / 2			Crimp: 6 pt			Max. Cartridge Length: 61.00 mm					
Primer: Martignoni 684			Barrel Length: 600 mm			380 m/s			Max. Pressure CIP: 830 Bar					
Weight of Shots			1150 FPS			1250 FPS			1280 FPS					
Grams	Grains	417	Powder Charge		Pressure	Powder Charge		Pressure	Powder Charge		Pressure			
			Grams	Grains		Grams	Grains		Grams	Grains				
27	417	13 mm	1.30	20.1	540	7830	1.35	20.8	620	8990	1.45	22.4	750	10880

Lovex S035

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			380 m/s			Max. Pressure CIP: 740 Bar					
Weight of Shots			1150 FPS			1250 FPS			1350 FPS					
Grams	Grains	34	Powder Charge		Pressure	Powder Charge		Pressure	Powder Charge		Pressure			
			Grams	Grains		Grams	Grains		Grams	Grains				
36	525	SB-32	1.60	24.7	500	7250	1.75	27.0	560	8120	1.85	28.5	680	9860
36	556	SB-32	1.60	24.7	500	7250	1.75	27.0	600	8700	1.85	28.5	680	9860
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			380 m/s			Max. Pressure CIP: 740 Bar					
Weight of Shots			1150 FPS			1250 FPS			1280 FPS					
Grams	Grains	32	Powder Charge		Pressure	Powder Charge		Pressure	Powder Charge		Pressure			
			Grams	Grains		Grams	Grains		Grams	Grains				
35	494	13 mm	1.95	30.1	450	6530	2.05	31.6	500	7250	2.20	34.0	620	8990
35	540	12 mm	1.90	29.3	480	6960	2.10	32.4	560	8120	2.20	34.0	650	9430
38	586	12 mm	1.90	29.3	520	7540	2.10	32.4	580	8410	2.20	34.0	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			380 m/s			Max. Pressure CIP: 780 Bar					
Weight of Shots			1150 FPS			1250 FPS			1280 FPS					
Grams	Grains	30	Powder Charge		Pressure	Powder Charge		Pressure	Powder Charge		Pressure			
			Grams	Grains		Grams	Grains		Grams	Grains				
30	463	13 mm	1.60	24.7	480	6960	1.75	27.0	530	7690	1.85	28.5	680	9860
Case: 20/70 Paper Cartridge			Shots: Ø 3.5 mm / 2			Crimp: 6 pt			Max. Cartridge Length: 61.00 mm					
Primer: Martignoni 684			Barrel Length: 600 mm			380 m/s			Max. Pressure CIP: 830 Bar					
Weight of Shots			1150 FPS			1250 FPS			1280 FPS					
Grams	Grains	27	Powder Charge		Pressure	Powder Charge		Pressure	Powder Charge		Pressure			
			Grams	Grains		Grams	Grains		Grams	Grains				
27	417	13 mm	1.40	21.6	420	6090	1.50	23.1	620	8990	1.60	24.7	740	10730

APPROXIMATE BURNING RATE CHART

DO NOT USE FOR CALCULATION OF LOADS !

LOVEX	Accurate	Alliant	Hodgdon	IMR	Norma	PB	Ramshot	RWS	Vectan	Vihtavuori	Winchester
			Titewad			PCL514					
D013	Nitro 100				R1						WST
S011			HP38					P805	Ba10	N310	
S015	Solo 1000	Bullseye	Titegroup Clays	Trail Boss			Competition	P801			231 452
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 Power Pistol	Clays Universal HS-6			PCL501		P803			WSF 540
		Herco	Longshot	SR4756		PCL504	Silhouette		SP8	N340	WAP
									A0	3N37	
				Hi-Skor 800X			True Blue			N350	
		Blue Dot							SP2 Pract.	3N38	571
D037.1	No. 7	Steel 2400	HS-7				Enforcer			N105	
D037.2	No. 9 4100				R-123				SP3		
S040			H110 H4198	SR4759 IMR4227		PCL512		P806 R910		N110	296 680
			Li'l Gun						Ba6		
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		Returnbo							N170	
			H870			PCL520			SP13	N570	
			50BMG							24N41	
D100			H5010							20N29	

Fast Burning

Slow Burning

SHOTGUN POWDERS



HANDGUN POWDERS



RIFLE POWDERS



Explosia a.s.

Semtín 107, 530 02 Pardubice, Czech Republic

phone: + 420 466 825 200

fax: +420 466 822 966

e-mail: explosia@explosia.cz

Sales department – Propellants

phone: +420 466 825 287

+420 466 825 288

fax: +420 466 822 943

e-mail: propellants@explosia.cz



www.explosia.cz