



*Sellier & Bellot* ®



Sellier & Bellot game pre





# serve

## Significant trophies:

### Deer

222.71 p. CIC (2015)  
217.78 p. CIC (2002)  
210.98 p. CIC (2008)  
205.28 p. CIC (2000)  
203.87 p. CIC (2005)

### Mouflon

208.52 p. CIC (1997)

### Fallow deer

204.28 p. CIC (2009)  
203.97 p. CIC (2006)  
194.04 p. CIC (2004)  
194.03 p. CIC (2004)  
189.63 p. CIC (1999)

In 1775 Charles Joseph, the Prince of Auersperg, and his wife, Maria Josepha, the Countess of Trautson, decided to create a manorial deer hunting park on the land which is currently the site of Sellier & Bellot.

Fallow deer and roe deer were kept in the park. Pheasants were added later. White and black swans spent the winters in a small wooden building near the pond. Vlasim was a gathering place for the nobility in the autumn. Aristocratic guests including Crown Prince Rudolf, the son of Franz Josef I, attended the hunts that were organized there.

Dramatic changes in government took place after the end of the World War 1. The estate came under state control as the result of a newly implemented confiscation law. On June 17<sup>th</sup>, 1925 the State Land Office, in agreement with the Ministry of Education, handed a large part of the estate back to the Auerspergs.

The hunting park was destroyed by a tornado in 1929. As a result, Prince Auersperg decided to sell it along with an adjoining 112 hectares. Sellier & Bellot then purchased the property to build a new factory. On February 22, 1933 the State Land Fund approved the sale of the entire hunting park to Sellier & Bellot.

Mouflon were raised on the property for a short time in the 1980's. Today, 51 red deer and 28 fallow deer live on 73 hectares of Sellier & Bellot property. These herds are managed to ensure a healthy population. Sellier & Bellot staff and business partners occasionally harvest animals for hunting and ballistic testing purposes.



# NEW

# 6.5 CREEDMOOR FMJ BT / SP

## EXCELLENT ACCURACY FOR LONG DISTANCES

	FMJ BT	SP	SP
	140 grs 9.10 g	131 grs 8.50 g	140 grs 9.10 g
V <sub>0</sub>	810	835	810
E <sub>0</sub>	2985	2963	2985

### INTRODUCING S&B 6.5 CREEDMOOR AMMUNITION

Sellier & Bellot is proud to introduce an affordable, high-performance line of 6.5 Creedmoor ammunition.

These new S&B loads combine all of the advances in modern cartridge design with time-tested European 6.5 projectiles. Functionally reliable in all action types, these loads give shooters numerous options for use at the range or in the field.





# PRODUCTS

## 460 S&W MAG. JHP, HS

460 S&W MAG.

460 S&W MAG.

JHP

HS

255 grs 16.5 g

260 grs 16.8 g





# PISTOL AND REVOLVER AMMUNITION

S&B's extensive line of pistol and revolver ammunition is engineered with high performance and reliability in mind. We use Boxer primed brass cases with patented priming mixtures to meet either standard or non-toxic requirements. NEROXIN primers provide reliable performance in our standard ammunition, while our NONTOX primers meet all industry standard requirements for non-toxic/environmentally safe priming.

## Used Primers

5.3 mm Boxer, Large Pistol primers for cal.:

45 AUTO, 45 GAP, 44 REM. MAG.,  
45 COLT, 460 S&W MAG.

4.4 mm Boxer, Small Pistol primers for cal.:

all other pistol and revolver cartridges

## FMJ bullet

Full Metal Jacket bullet. Standard lead core with a metallic jacket. Best for training and target shooting applications.



## JHP bullet

Jacketed Hollow Point bullet. Standard 2 piece bullet construction designed for reliable feeding and function in a wide variety of firearms. An excellent defensive projectile.



## LFN bullet

Solid lead bullet with a light polymer coating that reduces lead residue in the barrel. Flat nose bullet profile ensures safe, reliable function in tubular magazines.



## LRN bullet

Solid lead bullet with a light polymer coating that reduces lead residue in the barrel. Accurate general purpose bullet.



## SJHP bullet

Semi-Jacketed Hollow Point bullet. Excellent terminal performance results from the controlled expansion and high weight retention of this bullet.



## SP bullet

Semi-Jacketed Soft Point bullet. A lead core with a precisely engineered jacket results from its controlled expansion and high weight retention.



## WC bullet

Traditional lead bullet with a classic wadcutter profile. Wadcutter loads are extremely accurate and produce clean, easy to score target penetration.





*Sellier & Bellot* 





# 9 mm pistol ammunition

## What's inside 9





# 9 mm Luger

bullet jacket

bullet core (Pb)

cartridge case CuZn 30



SP

JHP

## 9 mm BROWNING COURT / 380 AUTO

	FMJ
	92 grs 6.0 g
$V_0$	291
$E_0$	254



### 9 mm LUGER / 9 mm PARA / 9x19

### 9 mm LUGER / 9 mm PARA / 9x19

### 9 mm LUGER / 9 mm PARA / 9x19 SUBSONIC

### 9 mm LUGER / 9 mm PARA / 9x19

	FMJ	FMJ	JHP	JHP	FMJ	FMJ	SP	SP
	115 grs 7.5 g	124 grs 8.0 g	115 grs 7.5 g	124 grs 8.0 g	140 grs 9.0 g	150 grs 9.7 g	124 grs 8.0 g	100 grs 6.5 g
$V_0$	390	360	377	366	305	305	355	428
$E_0$	570	518	533	536	419	451	504	595



### 9x21

### 9x21

### 9x21

### 9 mm MAKAROV

	FMJ	FMJ	SP	FMJ
	115 grs 7.5 g	124 grs 8.0 g	124 grs 8.0 g	95 grs 6.1 g
$V_0$	368	362	365	310
$E_0$	508	524	533	293



# Pistol ammunition



	6.35 mm BROWNING / 25 AUTO	7.62x25 TOKAREV	7.65 mm BROWNING / 32 AUTO	357 SIG
	FMJ	FMJ	FMJ	FMJ
	50 grs 3.3 g	85 grs 5.5 g	73 grs 4.75 g	140 grs / 9.0 g
$V_0$	228	566	318	412
$E_0$	86	881	240	764

	40 S&W	40 S&W	40 S&W	45 AUTO / 45 ACP	45 GAP	10 mm AUTO	10 mm AUTO	45 AUTO / 45 ACP
	FMJ	FMJ	JHP	JHP	FMJ	FMJ	JHP	FMJ
	165 grs 10.7 g	180 grs 11.7 g	180 grs 11.7 g	230 grs 14.9 g	230 grs 14.9 g	180 grs 11.7 g	180 grs 11.7 g	230 grs 14.9 g
$V_0$	313	295	297	271	246	355	355	260
$E_0$	524	509	516	547	451	737	737	504





## Revolver ammunition



	32 S&W LONG	32 S&W LONG WAD CUT.	38 SPECIAL	38 SPECIAL	38 SPECIAL	38 SPECIAL	38 SPL. WAD CUT.
	LRN	WC	SP	LRN	FMJ	LFN	WC
	100 grs 6.5 g	100 grs 6.5 g	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	148 grs 9.6 g
$V_0$	270	224	271	304	271	286	213
$E_0$	237	163	376	474	376	419	218

# Revolver ammunition



	357 MAGNUM	357 MAGNUM	357 MAGNUM	357 MAGNUM	44 REM. MAG.
	FMJ	SJHP	SP	LFN	SP
	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	240 grs 15.55 g
$V_0$	385	405	385	343	390
$E_0$	760	841	760	603	1183



	45 COLT	45 COLT	45 COLT	45 COLT
	LFN	FMJ	JHP	LFN
	200 grs 12.9 g	230 grs 14.9 g	230 grs 14.9 g	250 grs 16.2 g
$V_0$	261	251	253	216
$E_0$	441	469	477	378



## Revolver shotgun shells



410/63.5 Self Defence

DUAL PELLET LOAD  
15 pcs BB BUCK  
1 pc 000 BUCK

410/76 Self Defence

DUAL PELLET LOAD  
15 pcs BB BUCK  
2 pcs 000 BUCK



# Pistol and revolver NONTOX ammunition



9 mm LUGER / 9 mm PARA / 9x19

9x21

	TFMJ	TFMJ	JHP	SP	SP	TFMJ	TFMJ
	115 grs 7.50 g	124 grs 8.00 g	115 grs 7.50 g	100 grs 6.50 g	124 grs 8.00 g	115 grs 7.50 g	124 grs 8.00 g
$V_0$	390	360	377	428	355	368	362
$E_0$	570	518	533	595	504	508	524





## TFMJ

After firing the cartridge is free from toxic exposure to barium, lead, mercury, antimony. It does not pollute the environment, does not endanger the shooter's health with combustion products, and does not leave harmful residue in the gun. It ensures safe shooting in closed premises and on target ranges. Unique patented primer design.



## Why NONTOX cartridges?

After firing the cartridge is free from toxic exposure to barium, lead, mercury, antimony. It does not pollute the environment, does not endanger the shooter's health with combustion products, and does not leave harmful residue in the gun. It ensures safe shooting in closed premises and on target ranges. Unique patented primer design.

Once fired brass



9 mm LUGER



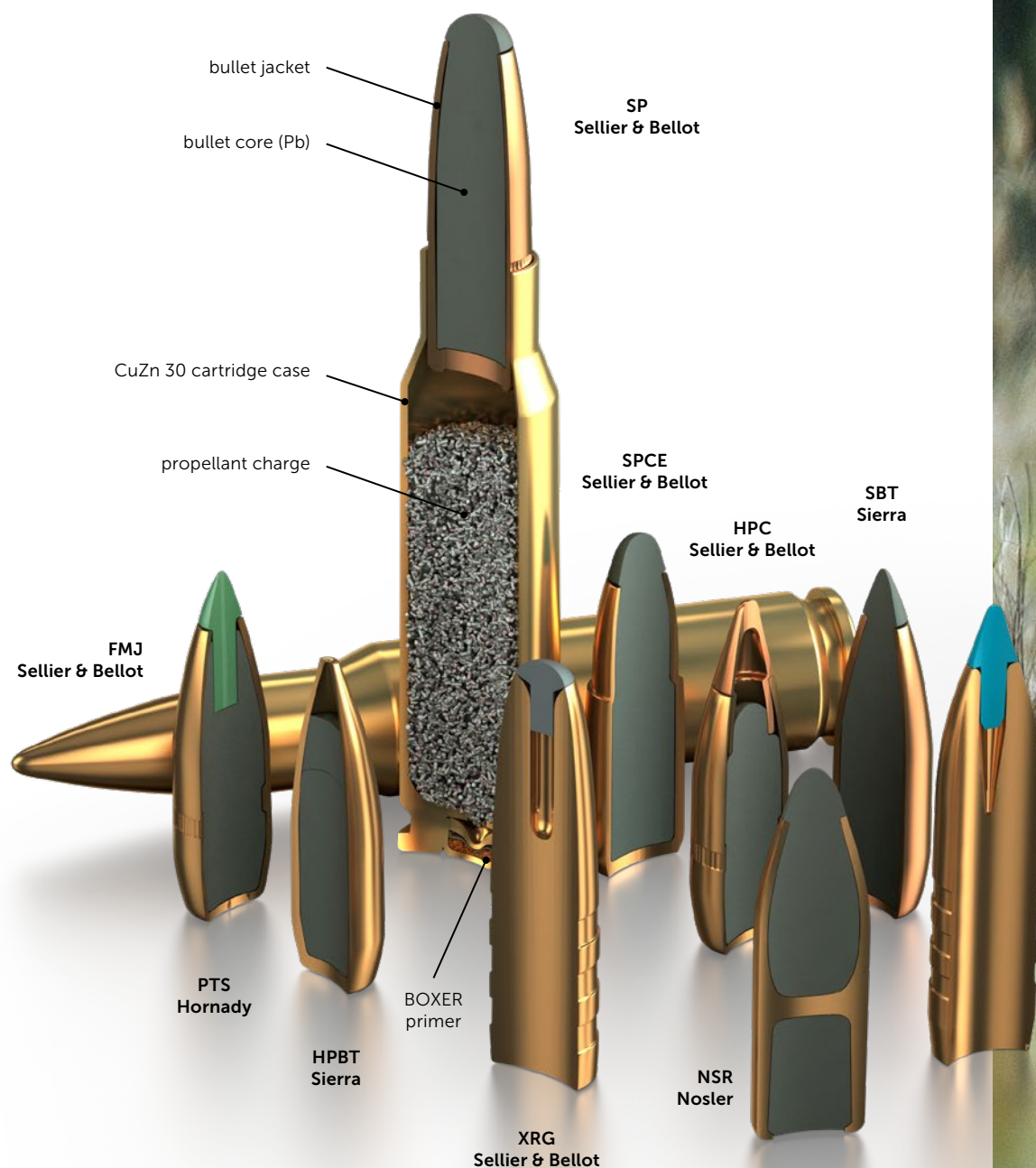
9 mm LUGER  
NONTOX

	357 SIG	38 SPECIAL	38 SPECIAL	357 MAGNUM	357 MAGNUM	40 S&W	45 AUTO / 45 ACP
	TFMJ	TFMJ	SP	TFMJ	SP	TFMJ	TFMJ
	140 grs 9.0 g	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	158 grs 10.25 g	180 grs 11.70 g	230 grs 14.90 g
V <sub>0</sub>	412	266	266	385	385	295	236
E <sub>0</sub>	764	363	363	760	760	509	515



# RIFLE CARTRIDGES

Sellier & Bellot offers an extensive selection of hunting and target-type loads in 39 standard and metric calibers. Brass cases and reliable Boxer primers are used in all loads. In addition to our own S&B designs, a complete selection of bullets from Nosler, Hornady and Sierra are loaded for reliable performance when hunting or on the target range.



## MRD – Most Recommended Distance

1. Axis of the barrel
2. Curve of trajectory
3. Line of sight
4. MRD – most recommended distance
5. The point where the trajectory leaves the the line of sight zone



## Primers

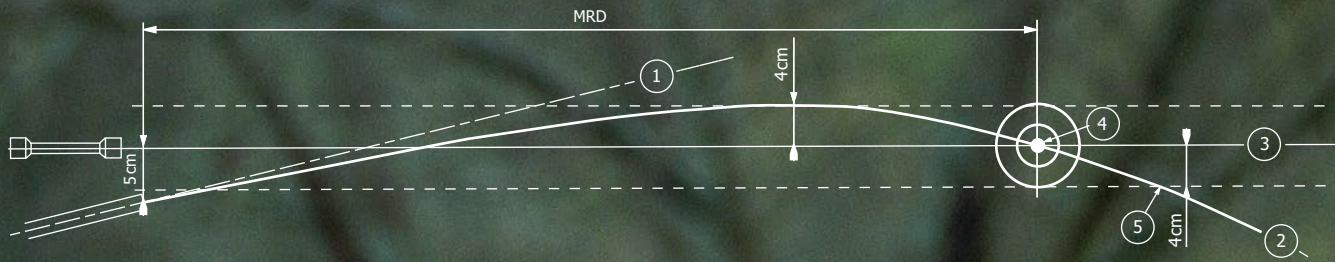
TXRG  
Sellier & Bellot

4.4 BOXER small rifle primers for cal.:

17 HORNET  
204 RUGER  
22 HORNET  
222 REMINGTON  
223 REMINGTON  
30 CARBINE  
5.6x50 R MAG.

5.3 BOXER large rifle primers for all other cal.





MRD – is the point (4) where the trajectory (2) crosses the line of sight (3) for the second time.  
The trajectory (2) will not exceed the line of sight (3) by more than 4 cm.



Cartridge case with groove



Cartridge case with rim (R)



Cartridge case with bearing ring (belted case)



# The next generation lead free bullet



Modern, highly efficient design incorporating a boat-tail base with a new, pointed tip for a flat trajectory and maximum retained energy.

Blue plastic tip enhances expansion at all ranges while the solid copper construction maximizes weight retention.

308 WIN.

30-06 SPRING.

300 WIN. MAG.

	308 WIN.	30-06 SPRING.	300 WIN. MAG.
	165 grs 10.7 g	165 grs 10.7 g	180 grs 11.7 g
$V_0$	829	849	844
$E_0$	3675	3853	4166





Sellier & Bellot 



lead free












Sellier & Bellot 

Lead-free bullet.



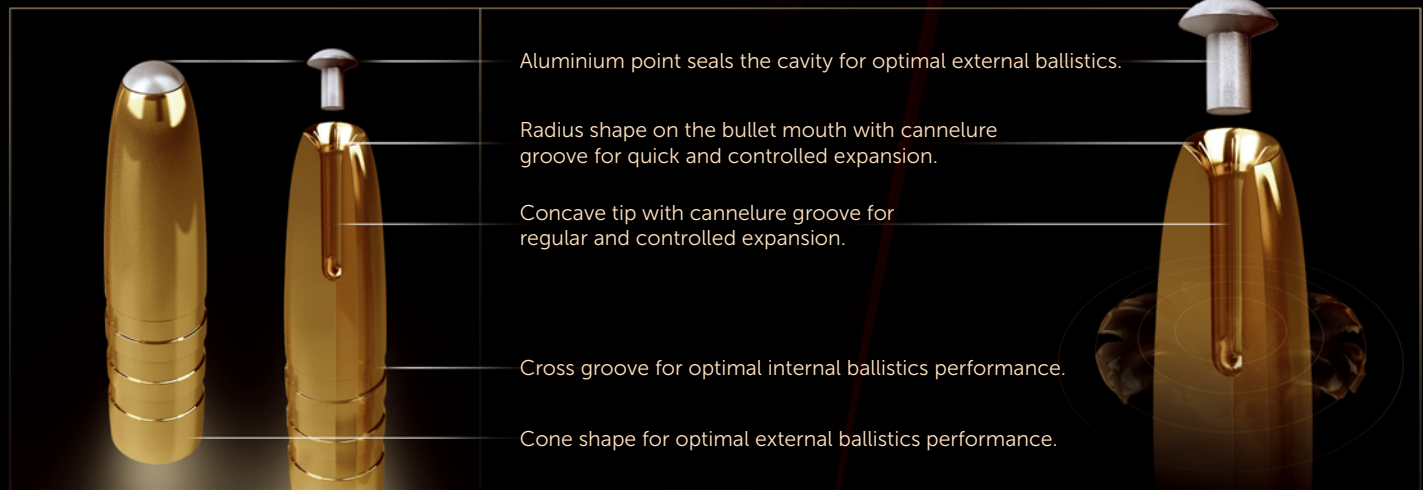
	6.5x55 SE	6.5x57	7x57 R	7x64	7x57
	130 grs 8.4 g	130 grs 8.4 g	158 grs 10.20 g	158 grs 10.20 g	158 grs 10.20 g
V <sub>0</sub>	805	802	736	797	757
E <sub>0</sub>	2722	2701	2736	3240	2923
					



	7 mm REM. MAG.	270 WIN.
	158 grs 10.20 g	130 grs 8.4 g
V <sub>0</sub>	866	854
E <sub>0</sub>	3825	3063
		

The shape of the eXergy bullet is geometrically precise for excellent accuracy and almost 100% weight retention.





lead free

7x65 R	30-06 SPRING.	308 WIN.
158 grs 10.20 g	180 grs 11.60 g	180 grs 11.70 g
797	809	795
3240	3829	3697



	8x57 JS	8x57 JRS	300 WIN. MAG.	9.3x74 R	9.3x62
	196 grs 12.70 g	196 grs 12.70 g	180 grs 11.70 g	250 grs 16.20 g	250 grs 16.20 g
$V_o$	770	730	887	746	745
$E_o$	3768	3386	4603	4503	4496





The world standard for dependable bullet performance on a variety of big

# Nosler<sup>®</sup> PARTITION<sup>®</sup>



6.5x55 SE

7x57 R

7x57

6.5x57

243 WIN.

270 WIN.

7x64

7x65 R

140 grs 9.10 g

175 grs 11.35 g

175 grs 11.35 g

140 grs 9.1 g

100 grs 6.50 g

130 grs 8.40 g

175 grs 11.35 g

175 grs 11.35 g

$V_0$

748

704

734

770

865

$V_0$

854

783

768

$E_0$

2546

2800

3044

2698

2432

$E_0$

3063

3464

3333





**A** Nosler's Intergral Partition

Supports expanded mushrooming and retains a rear lead-alloy core. The enclosed rear core retains more than two-thirds of the bullet's weight for deep penetration.

**B** Special Crimp Locks

Add strength to resist deformation under the pressure of heavy magnums.

**C** Nosler Engineering

Every Partition bullet in the Nosler® line delivers optimum length, weight and ogive design for maximum in-flight and terminal performance.

**D** Fully Tapered Copper Alloy Jacket

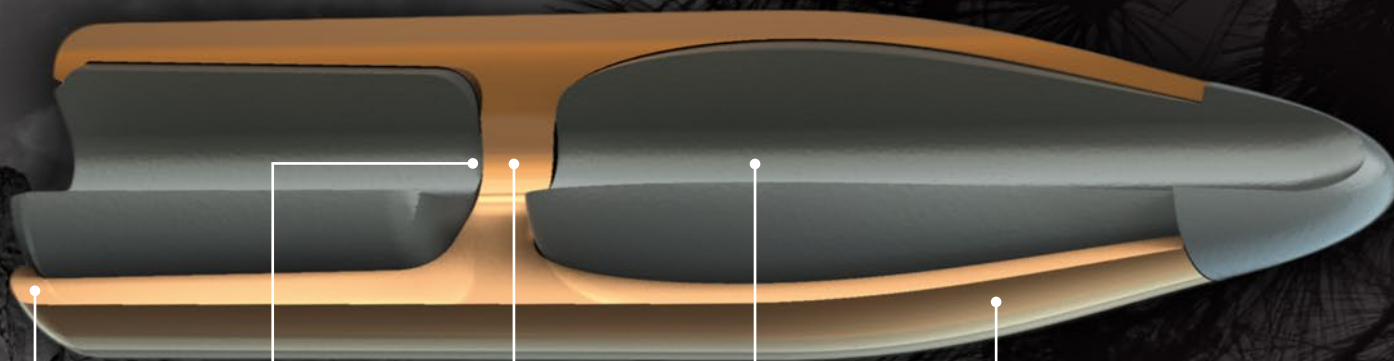
Raptures instantly at the thin jacket mouth, yet the gradual thickening along the bullet's axis controls expansion and curls the jacket uniformly outward at high or low velocities.

**E** Dual-Core Construction

Nosler's special lead-alloy, dual-core provides superior mushrooming characteristics at virtually all impact velocities.

**Impact Velocities for Reliable Expansion**

Minimum: 550 m/s  
Maximum: Unlimited



7 mm REM. MAG. 30-06 SPRING.

175 grs	11.35 g	180 grs	11.70 g
883		784	
4406		3596	



308 WIN. 8x57 JS 8x57 JRS 9.3x62 300 WIN. MAG.





	180 grs	11.70 g	200 grs	12.96 g	200 grs	12.96 g	286 grs	18.50 g	180 grs	11.70 g
V <sub>0</sub>	745		764		708		693		875	
E <sub>0</sub>	3247		3765		3233		4442		4479	
















# SP bullets – Hunting rifle ammunition



	222 REM.	22 HORNET	22-250 REM.	223 REM.
	50 grs 3.24 g	45 grs 2.9 g	55 grs 3.6 g	55 grs 3.6 g
$V_0$	970	715	942	1006
$E_0$	1524	741	1597	1822
				

	243 WIN.	5.6x50 R MAGNUM	6.5x55 SE	6.5x55 SE	5.6x52 R	6.5x55 SE	6.5x52 R
	100 grs 6.5 g	50 grs 3.24 g	131 grs 8.5 g	140 grs 9.1 g	70 grs 4.6 g	156 grs 10.1 g	117 grs 7.6 g
$V_0$	870	1030	793	793	872	723	650
$E_0$	2460	1786	2673	2830	1749	2640	1606
							



	270 WIN.	270 WIN.	6.5x57	6.5x57 R
	130 grs 8.4 g	150 grs 9.7 g	131 grs 8.5 g	131 grs 8.5 g
$V_0$	930	805	775	775
$E_0$	3633	3143	2553	2553
				





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SP






Semi-Jacketed Soft Point bullet. A classic soft lead core bullet combining reliable expansion on a variety of game with exceptional accuracy and dependable performance.



# SP bullets – Hunting rifle ammunition





	7x57	7x57 R	7x64	7x65 R
	140 grs 9.1 g	140 grs 9.1 g	140 grs 9.1 g	140 grs 9.1 g
$V_0$	808	808	856	883
$E_0$	2938	2938	3297	3509
				







	30-30 WIN.	7 mm REM. MAG	30 CARBINE	303 BRITISH	303 BRITISH
	150 grs 9.7 g	140 grs 9.1 g	110 grs 7.1 g	150 grs 9.7 g	180 grs 11.7 g
$V_0$	728	958	617	809	726
$E_0$	2570	4130	1351	3174	3083
					







	7.62×39	308 WIN.	30-06 SPRING.	7.62×54 R
	124 grs 8.0 g	180 grs 11.7 g	180 grs 11.7 g	180 grs 11.7 g
V <sub>0</sub>	743	748	825	800
E <sub>0</sub>	2208	3273	3982	3744
				



	8×57 JR	9.3×72 R	9.3×62	9.3×74 R
	196 grs 12.7 g	193 grs 12.5 g	285 grs 18.5 g	285 grs 18.5 g
V <sub>0</sub>	710	611	695	705
E <sub>0</sub>	3201	2333	4468	4597
				



# SPCE bullets – Hunting rifle ammunition

	7x64	7x57
	173 grs 11.2 g	173 grs 11.2 g
$V_0$	770	725
$E_0$	3320	2944
		








# SPCE

Semi-Jacketed Soft Point Cutting Edge bullet. The cutting edge locks the jacket and lead core together, while also producing a clean entrance wound and distinct, easy to follow blood trails. Appropriate for light to medium game.






7x57 R	7x65 R	7 mm REM. MAG.
173 grs 11.2 g	173 grs 11.2 g	173 grs 11.2 g
725	795	848
2944	3539	4027
		



	30-06 SPRING.	30-06 SPRING.	300 WIN. MAG.	308 WIN.	308 WIN.
	150 grs 9.7 g	180 grs 11.7 g	180 grs 11.7 g	150 grs 9.7 g	180 grs 11.7 g
$V_0$	900	805	895	850	765
$E_0$	3929	3791	4686	3504	3424
					



	8x57 JS	8x57 JRS	8x64 S
	196 grs 12.7 g	196 grs 12.7 g	196 grs 12.7 g
$V_0$	790	726	810
$E_0$	3963	3347	4166
			







# HPC

Hollow Point Capped bullet. The expanding hollow point bullet has excellent ballistic characteristics and a damage resistant copper tip. Dramatic expansion and deep penetration make it an effective heavy game bullet.








HPC bullets – Hunting rifle ammunition



	7x57	7x57 R	7x64	7x65 R
	158 grs 10.2 g	158 grs 10.2 g	158 grs 10.2 g	158 grs 10.2 g
$V_0$	757	757	804	819
$E_0$	2923	2923	3297	3421
				







	8x57 JS	8x64 S	30-06 SPRING.	308 WIN.	8x57 JRS
	196 grs 12.7 g	196 grs 12.7 g	180 grs 11.7 g	180 grs 11.7 g	196 grs 12.7 g
$V_0$	783	815	820	762	758
$E_0$	3893	4218	3934	3397	3648
					



# FMJ bullets – Hunting rifle ammunition








	22 HORNET	223 REM.	222 REM.	22-250 REM.
	45 grs 2.9 g	50 grs 3.24 g	55 grs 3.6 g	55 grs 3.6 g
$V_0$	715	970	1006	947
$E_0$	741	1524	1822	1614
				







	5.6×50 R MAGNUM	6.5×55 SE	5.6×52 R	243 WIN.	6.8 mm REM. SPC
	50 grs 3.24 g	140 grs 9.1 g	70 grs 4.6 g	80 grs 5.2 g	110 grs 7.1 g
V <sub>0</sub>	1030	787	872	985	779
E <sub>0</sub>	1719	2818	1749	2523	2154
					





# FMJ bullets – Hunting rifle ammunition



	7x57	7x57 R	7x65 R	7x64	308 WIN.
	140 grs 9.1 g	140 grs 9.1 g	140 grs 9.1 g	140 grs 9.1 g	147 grs 9.55 g
$V_0$	808	808	871	845	850
$E_0$	2938	2938	3414	3213	3450



	30-06 SPRING.	30-06 SPRING.	7.62x39	7.62x54 R
	147 grs 9.55 g	180 grs 11.7 g	124 grs 8.0 g	180 grs 11.7 g
$V_0$	890	815	738	786
$E_0$	3782	3886	2179	3614



	8x57 JS	303 BRITISH	30 CARBINE	9.3x62
	196 grs 12.7 g	180 grs 11.7 g	110 grs 7.1 g	232 grs 15 g
$V_0$	780	755	617	764
$E_0$	3863	3335	1351	4378





308 WIN.

180 grs 11.7 g

735

3160



*Sellier & Bellot* ®

# FMJ

Full Metal Jacket bullet with a lead core and metallic jacket. Loaded in a wide range of calibers for use in specific hunting applications in addition to numerous competitive and target shooting disciplines.










## PTS bullets – Hornady Hunting rifle ammunition







# PTS

The PTS bullet was designed and manufactured by Hornady, the largest independent producer of high quality hunting bullets in the world. PTS bullets contain a premium polymer tip for rapid expansion and energy transfer. Its optimum shape enables the bullet to achieve higher speed and trajectory stability.







	204 RUGER	243 WIN.	17 HORNET V-MAX™	7x57	6.8 mm REM. SPC
	32 grs 2.1 g	95 grs 6.1 g	20 grs 1.3 g	162 grs 10.5 g	110 grs 7.1 g
V <sub>0</sub>	1258	885	1112	765	777
E <sub>0</sub>	1661	2389	798	3072	2143
					



	270 WIN.	7x57 R	7x64	7x65 R
	150 grs 9.7 g	162 grs 10.5 g	162 grs 10.5 g	162 grs 10.5 g
V <sub>0</sub>	810	727	800	815
E <sub>0</sub>	3182	2775	3360	3487
				



	30-06 SPRING.	308 WIN.	7 mm REM. MAG.	300 WIN. MAG.
	180 grs 11.7 g	180 grs 11.7 g	162 grs 10.5 g	180 grs 11.7 g
V <sub>0</sub>	790	765	842	895
E <sub>0</sub>	3651	3424	3722	4686
				





# SBT bullets – Hunting rifle ammunition



22-250 REM.	
	55 grs 3.6 g
$V_0$	1122
$E_0$	2266

$V_0$
$E_0$

# SBT

SBT GameKing® – Spitzer Boat Tail bullets are designed for hunting at long range, where their extra margin of performance can make the critical difference. GameKing® bullets feature a boat tail design to bring hunters the ballistic advantage of match bullets. The streamlined tapered base of the boat tail bullet greatly reduces drag, which results in higher retained velocity, greater striking energy, a flatter trajectory and less wind drift than comparable flat base bullets.

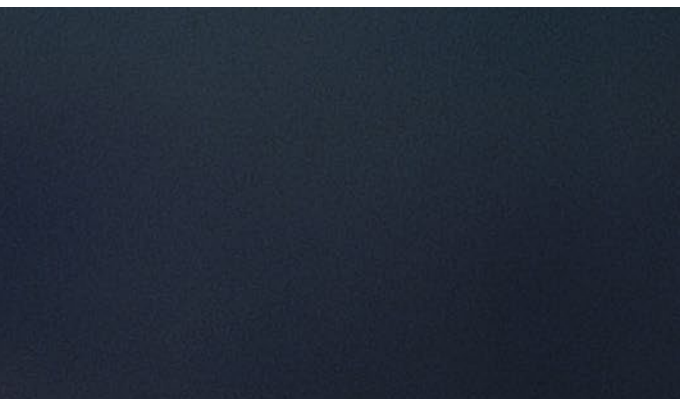




6.5x55 SE	7x57 R	7x57	7x64	7x65 R
140 grs 9.1 g	175 grs 11.35 g	175 grs 11.35 g	175 grs 11.35 g	175 grs 11.35 g
723	735	735	769	790
2378	3066	3066	3356	3542

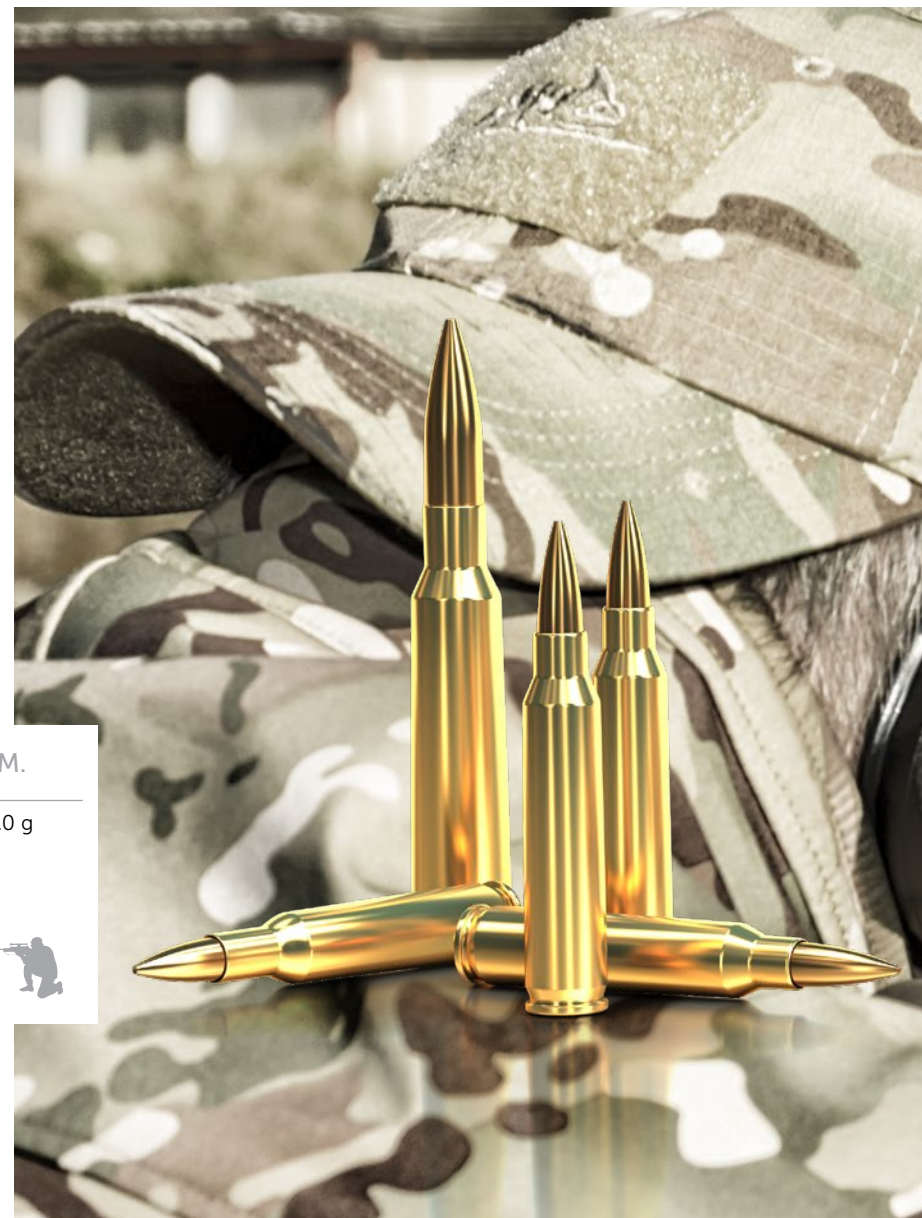


7 mm REM. MAG.	308 WIN.	30-06 SPRING.	8x57 JS	300 WIN. MAG.	8x57 JRS
175 grs 11.35 g	180 grs 11.7 g	180 grs 11.7 g	220 grs 14.26 g	200 grs 12.96 g	220 grs 14.26 g
852	754	786	733	835	697
4120	3327	3614	3831	4518	3464





# TARGET – Sporting rifle ammunition



	222 REM.	6.5x55 SE	223 REM.	223 REM.	223 REM.
	52 grs 3.36 g	142 grs 9.2 g	52 grs 3.36 g	69 grs 4.5 g	77 grs 5.0 g
$V_0$	966	752	1040	920	861
$E_0$	1568	2601	1817	1904	1853
	Twist 14"	Twist 8.5"	Twist 12"	Twist 7"-10"	Twist 7"-8"



	308 WIN.	308 WIN.	308 WIN.	6.8mm REM. SPC	308 WIN.
	168 grs 10.9 g	175 grs 11.35 g	180 grs 11.7 g	115 grs 7.5 g	190 grs 12.3 g
$V_0$	801	800	800	755	800
$E_0$	3497	3616	3744	2138	3936
	Twist 11"-12"	Twist 11"-12"	Twist 10"-11"	Twist 10"	Twist 10"-12"




	7.62x54 R*	300 WIN. MAG.	300 WIN. MAG.	300 WIN. MAG.
	174 grs 11.3 g	168 grs 10.9 g	190 grs 12.3 g	220 grs 14.3 g
$V_0$	788	920	823	815
$E_0$	3508	4613	4166	4749
	Twist 11"	Twist 10"-11"	Twist 9.5"	Twist 9.5"



Sellier & Bellot 

# TARGET

MatchKing Hollow Point Boat-Tail bullets are the finest in accuracy and consistency.

30-06 SPRING.	338 LAPUA MAGNUM	338 LAPUA MAGNUM
168 grs 10.9 g	250 grs 16.3 g	300 grs 19.4 g
849	878	842
3928	6237	6889
Twist 10" 	Twist 11" 	Twist 11" 



\* Suitable for Dragunov sniper rifles



# TRAINING – FMJ bullets / Sporting rifle ammunition



	223 REM.	6.5x55 SE	6.5x55 SE	7.5x55 SWISS	303 BRITISH	300 AAC Blackout	300 AAC Blackout
	55 grs 3.6 g	124 grs 8.0 g	140 grs 9.1 g	174 grs 13.1 g	180 grs 11.7 g	124 grs 8.0 g	147 grs 9.55 g
$V_0$	1006	834	787	710	755	660	663
$E_0$	1822	2782	2818	3883	3335	1742	1913
	100 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	100 pcs per box 8 boxes per case	100 pcs per box 8 boxes per case



	300 AAC Blackout SUBSONIC	308 WIN.	308 WIN.	308 WIN.
	200 grs 13.0 g	124 grs 8.0 g	147 grs 9.55 g	180 grs 11.7 g
$V_0$	323	905	850	735
$E_0$	678	3276	3450	3160
	100 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case





	30-06 SPRING.	30-06 SPRING.	30-06 SPRING.	7.62x39	7.62x54 R	8x57 JS	9,3x62
	124 grs 8.0 g	147 grs 9.55 g	180 grs 11.7 g	124 grs 8.0 g	180 grs 11.7 g	196 grs 12.7 g	232 grs 15 g
V <sub>0</sub>	944	890	815	738	786	780	764
E <sub>0</sub>	3565	3782	3886	2179	3614	3863	4378
	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case	50 pcs per box 8 boxes per case

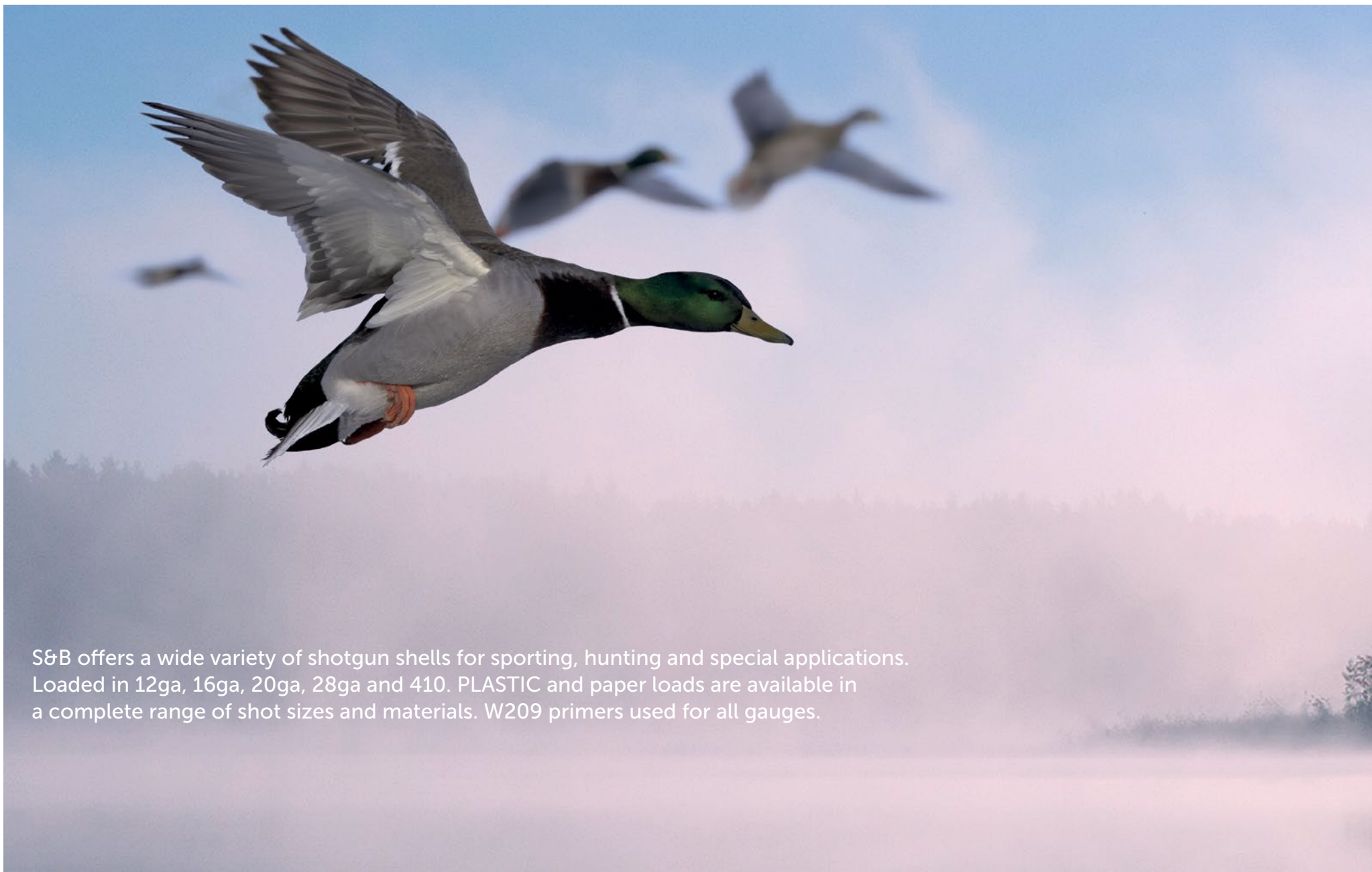


# TRAINING

TRAINING cartridges are available in bulk packaging. For technical details, see the "FMJ bullets – Hunting rifle ammunition" section.



# SHOTGUN SHELLS














S&B offers a wide variety of shotgun shells for sporting, hunting and special applications. Loaded in 12ga, 16ga, 20ga, 28ga and 410. PLASTIC and paper loads are available in a complete range of shot sizes and materials. W209 primers used for all gauges.

Identification number X	Diameter of shot in mm			SMALL SHOT SIZES	(mm)	2.0	2.25	2.4	2.5	2.75	3.0	3.25	3.5	3.75	4.0
	Small Pb shot	Buck Pb shot	Steel shot												
0	2.00	4.5	2.79	AMERICAN, GERMAN, FRENCH, SPANISH	(inch)	.08	.09	.095	.10	.11	.12	.13	.14	.15	.16
1	2.25	5.1	3.05		9	8	7 <sup>1/2</sup>	7	6	5	4	3	2	1	
2	2.40	5.6	3.30	ENGLISH, NORWEIGAN	9	8	7	6 <sup>1/2</sup>	5	4	3	2	1	BB	
3	2.50	6.1	3.56		9	8	7	6 <sup>1/2</sup>	5	4	3	2	1	BB	
4	2.75	6.2	3.81	ITALIAN	9	8	7 <sup>1/2</sup>	7	6	5/4	3	2	1	0	

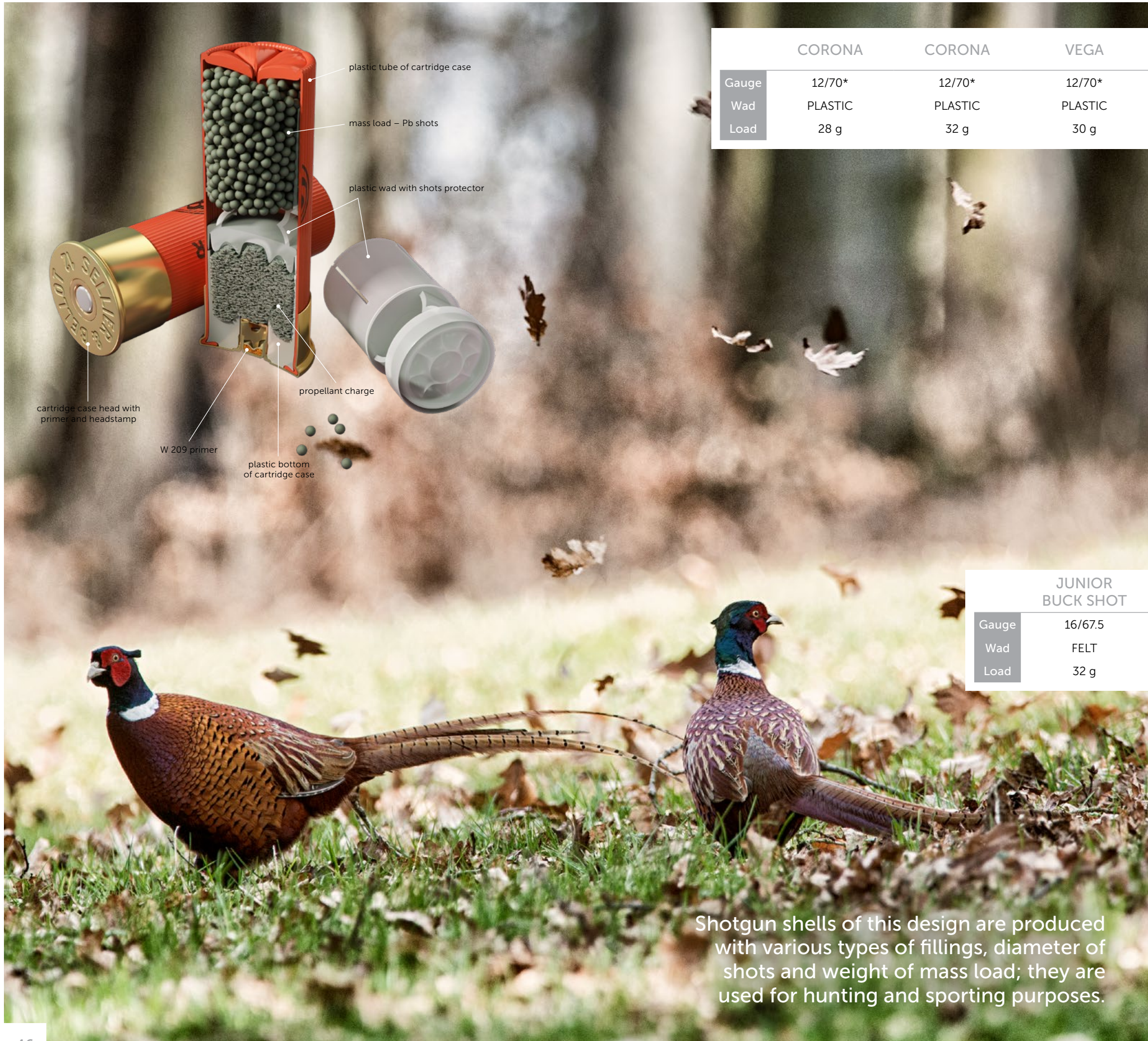




BUCK SHOT SIZES	(mm)	4.5	5.16	5.65	6.09	6.22	6.83	7.62	8.13	8.43	9.14	9.65	Identification number X	Diameter of shot in mm		
														Small Pb shot	Buck Pb shot	Steel shot
	(inch)	.18	.20	.22	.24	.25	.27	.30	.32	.33	.36	.38				
AMERICAN		BB	6	5	No.4	No.3	No.2	No.1	No.0	No.00	No.000	No.000	5	3.00	6.8	4.06
ENGLISH		A	AAA	AAAA	SSSG	SSSG	SSG	Spec Sg	SG	SG	LG	LG	6	3.25	7.6	4.32
ITALIAN		4/0	5/0	6/0		7/0	8/0	9/0	10/0	11/0	12/0	12/0	7	3.50	8.1	4.57
													8	3.75	8.4	4.83
													9	4.00	9.1	5.08



# Hunting shotgun shells – plastic



	CORONA	CORONA	VEGA
Gauge	12/70*	12/70*	12/70*
Wad	PLASTIC	PLASTIC	PLASTIC
Load	28 g	32 g	30 g

	JUNIOR BUCK SHOT
Gauge	16/67.5
Wad	FELT
Load	32 g

Shotgun shells of this design are produced with various types of fillings, diameter of shots and weight of mass load; they are used for hunting and sporting purposes.



VEGA	VEGA	FORTUNA
12/70*	12/70*	12/70*
PLASTIC	PLASTIC	PLASTIC
32 g	34 g	36 g



	VEGA	VEGA	MARK III	PHEASANT
Gauge	16/70*	20/70*	12/70*	12/67.5*
Wad	PLASTIC	PLASTIC	FELT	FELT
Load	30 g	26 g	32 g	28 g

JUNIOR SMALL SHOT	LORD	BLACK FLASH	FAVORIT BUCK SHOT	FAVORIT SMALL SHOTS
16/67.5	12/70*	16/67.5*	20/67.5	20/67.5
PLASTIC	FELT	FELT	FELT	FELT
32 g	36 g	32 g	28 g	28 g



	EXTRA	EXTRA	EXTRA
Gauge	12/70*	12/70*	12/70*
Wad	PLASTIC	PLASTIC	PLASTIC
Load	32 g	34 g	36 g



\* Star crimp; PLASTIC – plastic wad with shot protector.



# Hunting shotgun shells – Magnum and Buck shot plastic

	PLASTIK SMALL SHOTS	PLASTIK BUCK SHOT	BUCK SHOT	BUCK SHOT
Gauge	12/67.5	12/67.5	12/70	12/70
Wad	FELT	FELT	FELT	FELT
Load	32 g	32 g	32 g	36 g



	GOLDEN EAGLE 42.5	MAGNUM 42.5	MAGNUM 53	BUCK SHOT	BUCK SHOT	MAGNUM	410 MAGNUM	SPHERICAL BULLET
Gauge	12/70*	12/76*	12/76*	12/76	20/76	20/76*	410/76	410/76
Wad	PLASTIC	PLASTIC	FELT	FELT	FELT	FELT	PLASTIC	PLASTIC
Load	42.5 g	42.5 g	53 g	53 g	33.5 g	33.5 g	19.5 g	17.4 g



## Small caliber plastic

Sellier & Bellot 

	RED	RED	RED	RED
Gauge	28/70*	28/70*	410/63.5*	410/76*
Wad	PLASTIC	PLASTIC	PLASTIC	PLASTIC
Load	28 g	21 g	12.4 g	16 g



	28 STEEL SHOT	32 STEEL SHOT	24 STEEL SHOT	MAGNUM 36 STEEL SHOT	MAGNUM 39 STEEL SHOT	30 ZINC SHOT	21 ZINC SHOT	26 STEEL SHOT
Gauge	12/70*	12/70*	20/67.5*	12/76*	12/76*	12/70*	16/70*	16/67.5*
Wad	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC
Load	28 g	32 g	24 g	36 g	39 g	30 g	21 g	26 g

## ECO GAME

Shotgun shells of this design are produced with various types of fillings, diameter of shots and weight of mass load; they are used for hunting and sporting purposes.

### ECO GAME

Gauge	12/70*
Wad	PLASTIC
Load	32 g



## Lead free shot loads

\* Star crimp; PLASTIC – plastic wad with shot protector.



# Hunting shotgun shells – Paper

	RED HARE	RED PARTRIDGE
Gauge	12/70*	12/70*
Wad	FELT	FELT
Load	32 g	32 g



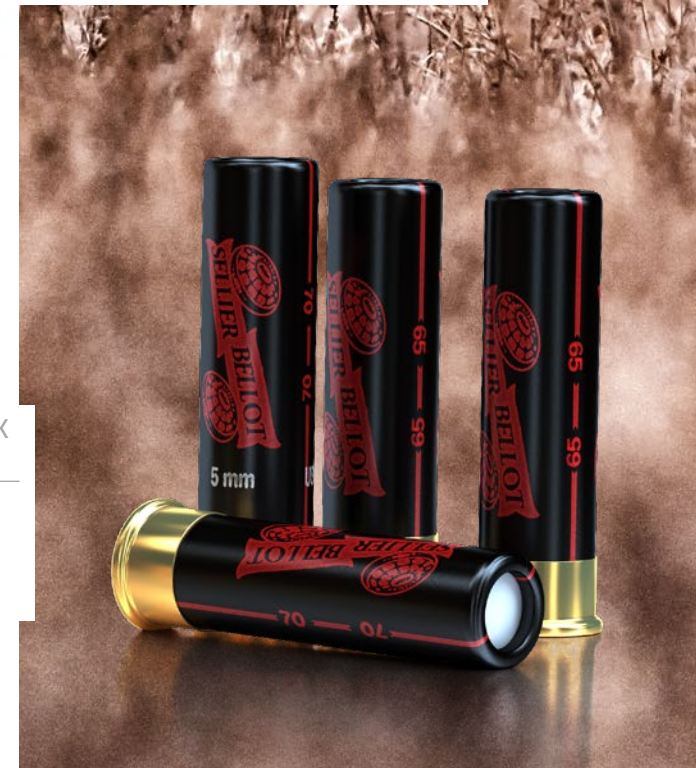
RED AND BLACK BUCK SHOT	
Gauge	12/70
Wad	FELT
Load	35.4 g



	RED AND BLACK SMALL SHOT	RED AND BLACK BUCK SHOT	RED AND BLACK SMALL SHOT	RED AND BLACK BUCK SHOT
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Gauge	16/70*	16/70	16/65	16/65
Wad	FELT	FELT	FELT	FELT
Load	30.1 g	30.1 g	28.4 g	28.4 g

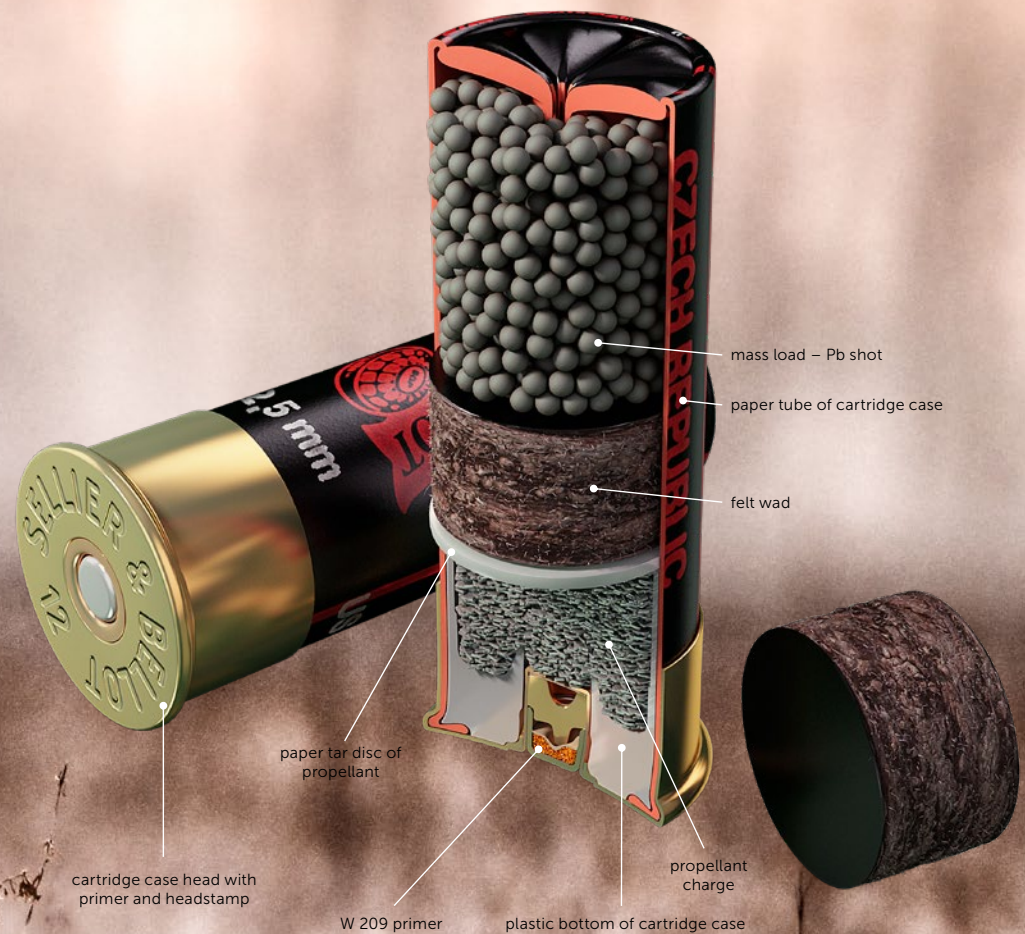
	RED AND BLACK BUCK SHOT	RED AND BLACK SMALL SHOT	RED AND BLACK SMALL SHOT	RED AND BLACK BUCK SHOT
Gauge	20/70	20/70*	20/65	20/65
Wad	FELT	FELT	FELT	FELT
Load	27 g	27 g	26.5 g	26.5 g



\* Star crimp



RED AND BLACK SMALL SHOTS	RED AND BLACK STREUKREUZ	RED AND BLACK SMALL SHOTS	RED AND BLACK BUCK SHOT
12/70*	12/70*	12/65	12/65
FELT	FELT+PLASTIC CROSS	FELT	FELT
35.4 g	34 g	33.5 g	33.5 g

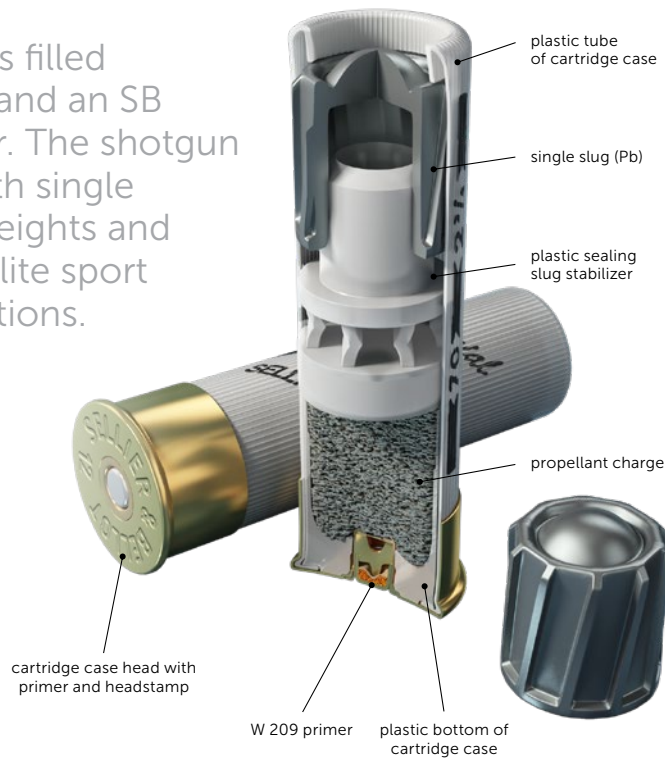


Traditional shotgun shells with paper casing and felt wad are suitable for universal hunting purposes; classic shot cartridge design.



# Cartridges with single slugs for shotguns – plastic

This ammunition is filled with a single slug and an SB designed stabilizer. The shotgun shells are filled with single slugs of various weights and are designed for elite sport shooting competitions.



## Special shotgun shells



	SPECIAL SLUG MAGNUM	SPECIAL SLUG MAGNUM	SPECIAL SLUG	SPECIAL SLUG	SPECIAL SLUG	SPECIAL SLUG	RIFLED SLUG
Gauge	12/76	20/76	12/70	12/67.5	16/67.5	20/67.5	410/76
Load	32 g	21 g	32 g	32 g	27 g	21 g	5.3 g



Less lethal ammunition with rubber shot for special applications

	RUBBER SHOT	RUBBER SHOT	RUBBER SHOT	RUBBER SPHERICAL BALL	RUBBER SPHERICAL BALL
Gauge	12/67.5	12/67.5	12/67.5	12/67.5	12/67.5
Load	9 shots	12 shots	15 shots	2 balls	1 ball

Cartridges with single slug for sporting purposes – plastic

	SPECIAL SLUG SPORT	SPECIAL SLUG SPORT	PRACTICAL SLUG SPORT	SPECIAL SLUG WHITELINE	SPECIAL SLUG WHITELINE	PRACTICAL SLUG WHITELINE
Gauge	12/70	12/67.5	12/63.5	12/70	12/67.5	12/63.5
Load	28 g	28 g	32 g	28 g	28 g	32 g



# Sporting shotgun shells

	SKEET 24 SPORT	SKEET 24 SUPER	TRAP 24 SPORT	TRAP 24 SUPER	EXTRA SPORTER
Gauge	12/70*	12/70*	12/70*	12/70*	12/70*
Wad	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC
Load	24 g	24 g	24 g	24 g	26 g

Labels for the cutaway diagram:

- plastic tube of cartridge case
- mass load - Pb shot
- plastic wad with Sport shot protector
- propellant charge
- plastic bottom of cartridge case
- W 209 primer
- cartridge case head with primer and headstamp



SKEET 28 SPORT TRAP 28 SPORT SKEET 28 SUPER TRAP 28 SUPER

12/70*	12/70*	12/70*	12/70*
PLASTIC	PLASTIC	PLASTIC	PLASTIC
28 g	28 g	28 g	28 g



	PARCOURS	SUPER PARCOURS	PRACTICAL SPORT	SKEET 24 SPORT	PRACTICAL BUCK SHOT	TRAP 24 SPORT	SKEET 24 SPORT	TRAP 24 SPORT
Gauge	12/70*	12/70*	12/63.5*	16/70*	12/63.5	16/70*	20/70*	20/70*
Wad	PLASTIC	PLASTIC	PLASTIC	PLASTIC	FELT	PLASTIC	PLASTIC	PLASTIC
Load	28 g	28 g	32 g	24 g	32 g	24 g	24 g	24 g

## Sporting steel shotgun shells

	SKEET 24 STEEL SHOT	TRAP 24 STEEL SHOT	SKEET 28 STEEL SHOT	TRAP 28 STEEL SHOT	SKEET 24 STEEL SHOT	TRAP 24 STEEL SHOT
Gauge	12/67.5*	12/67.5*	12/70*	12/70*	20/67.5*	20/67.5*
Wad	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC	PLASTIC
Load	24 g	24 g	28 g	28 g	24 g	24 g



Various loads of sporting shotgun shells designed for elite sport shooting competitions.

\* Star crimp; PLASTIC – plastic wad with shot protector.



# RIMFIRE CARTRIDGES

S&B rimfire cartridges are offered in both hunting and sporting designs. Rimfire cartridges are also offered in Flobert 4 mm RANDZ COURT, 6 mm ME FLOBERT COURT and 5.6 mm (22) FLOBERT Á BALLE for use in specific indoor ranges.





## Rimfire ammunition

	22 WMR	22 WMR JHP	22 LONG RIFLE HV	22 WMR FMJ	22 LONG RIFLE CLUB
	45 grs 2.92 g	40 grs 2.6 g	36 grs 2.33 g	40 grs 2.6 g	40 grs 2.56 g
V <sub>5</sub>	475	560	395	560	325
E <sub>5</sub>	329	407	182	407	135



	22 LONG RIFLE SUBSONIC	22 LONG RIFLE STANDARD	22 LONG RIFLE HV HP	22 LONG RIFLE SUBSONIC HP	22 SHORT
	40 grs 2.6 g	40 grs 2.56 g	38 grs 2.45 g	40 grs 2.6 g	28.1 grs 1.8 g
V <sub>5</sub>	310	325	375	310	280
E <sub>5</sub>	123	135	172	123	70

	4 mm RANDZ COURT	6 mm ME FLOBERT COURT	5.6 mm (22) FLOBERT À BALLE	6 mm FLOBERT BLANC
	7.7 grs 0.5 g	16 grs 1.05 g	18 grs 1.15 g	—
V <sub>5</sub>	280	250	260	—
E <sub>5</sub>	20	33	39	—



9×20 (9 mm JAT)	380 R BLANC (380 START)	9 mm PA BLANC
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## Centerfire caps

Caps for industrial cattle and hog slaughtering applications. Case is crimped and lacquer sealed for reliable performance. Caps are packed loose in conveniently sized boxes.

## Nail cartridges



22 (5,6/16)



# COMPLETE BALLISTICS TAB

## PISTOL AND REVOLVER AMMUNITION

	Product No.	Type	Bullet			Cartridge		Velocity (m/s)			Energy (J)			Barrel length (mm)	Distance (m)			Pcs per box	Boxes per case	Weight per case	
			Weight	Jacket material	Weight	Length	V <sub>0</sub>	V <sub>25</sub>	V <sub>50</sub>	E <sub>0</sub>	E <sub>25</sub>	E <sub>50</sub>	Points of impact (cm)			kg	lb				
													grs		g					g	mm
6.35 mm BROWNING / 25 AUTO	V310022	FMJ	50	3.3	CuZn 30	5.2	23	228	218	208	86	78	72	65	0.5	0	-10.9	50	40	11.2	25.5
7.62x25 TOKAREV	V310112	FMJ	85	5.5	CuZn 30	10.6	35	566	515	469	881	730	605	287	-0.7	0	-0.3	50	30	18	40
7.65 mm BROWNING / 32 AUTO	V310232	FMJ	73	4.75	CuZn 30	7.6	25	318	303	289	240	218	198	100	-0.2	0	-4.7	50	40	16.2	35.5
32 S&W LONG	V311312	LRN	100	6.5	—	10.4	32.2	270	265	260	237	228	220	150	0.1	0	-6.7	50	30	16.6	38
32 S&W LONG WAD CUT.	V311302	WC	100	6.5	—	10.4	24.3	224	204	186	163	135	112	150	0.7	0	-12.7	50	20	11	24.5
9 mm BROWNING COURT / 380 AUTO	V310332	FMJ	92	6	CuZn 30	9.4	24.9	291	279	267	254	234	215	90	-0.1	0	-5.9	50	20	10.5	23.5
9 mm MAKAROV	V310912	FMJ	95	6.1	CuZn 30	10	25	310	296	282	293	267	243	115	-0.2	0	-5	50	20	10.9	24.5
9 mm LUGER / 9 mm PARA / 9x19	V310452	FMJ	115	7.5	CuZn 30	12.2	29.7	390	357	327	570	478	400	150	-0.4	0	-2.8	50	20	12.7	28
	V310492	FMJ	124	8	CuZn 30	12.7	29.7	360	329	301	518	433	362	150	-0.4	0	-3.7	50	20	13	29
	V310422	JHP	115	7.5	CuZn 10	12.3	26.9	377	343	313	533	442	367	150	-0.4	0	-3.2	50	20	12.7	28
	V312182	JHP	124	8	CuZn 10	12.7	26.9	366	333	304	536	445	369	150	-0.4	0	-3.5	50	20	13	29
	V310652	SP	100	6.5	CuZn 10	11	27.5	428	388	351	595	489	400	150	-0.5	0	-2.1	50	20	12	26.5
V310592	SP	124	8	CuZn 10	12.7	28.4	355	325	298	504	423	354	150	-0.3	0	-3.8	50	20	13.1	29	
9 mm LUGER SUBSONIC / 9x19	V310552	FMJ	140	9	CuZn 30	13.3	27	305	295	286	419	392	367	150	-0.1	0	-5	50	20	14	31
	V311662	FMJ	150	9.7	CuZn 30	14.1	27	305	298	290	451	431	408	150	-0.2	0	-4.9	50	20	15	33
9x21	V310722	FMJ	115	7.5	CuZn 30	12.2	29.8	368	354	341	508	470	435	125	-0.4	0	-2.9	50	20	13	29
	V310732	FMJ	124	8	CuZn 30	12.7	29.8	362	338	315	524	457	397	125	-0.4	0	3.4	50	20	13.5	30
	V310742	SP	124	8	CuZn10	12.7	29.8	365	341	318	533	465	404	125	-0.4	0	-3.3	50	20	13.5	30
357 SIG	V311162	FMJ	140	9	CuZn 30	14.4	29	412	377	345	764	640	536	127	-0.5	0	-2.3	50	20	16	35.5
38 SPECIAL	V311412	FMJ	158	10.25	CuZn 30	15.1	38.6	271	253	236	376	328	286	190	0.1	0	-7.6	50	20	16	36
	V311052	SP	158	10.25	CuZn 30	15.1	38.6	271	253	236	376	328	286	190	0.1	0	-7.6	50	20	16.3	36.5
	V311872	LFN	158	10.25	—	15.1	38.2	286	280	274	419	402	384	190	1	0	-7.8	50	20	16.4	35.8
	V311012	LRN	158	10.25	—	15.1	39.2	304	295	287	474	447	422	190	-0.1	0	-5	50	20	16.4	36.5
	V311002	WC	148	9.6	—	14.3	30.2	213	207	201	218	206	194	190	0.7	0	-12.3	50	24	18.5	41
357 MAGNUM	V311102	FMJ	158	10.25	Fe/CuZn 10	15.7	40.4	385	363	342	760	675	600	150	-2	0	-2.7	50	20	17	37.5
	V311112	SP	158	10.25	Fe/CuZn 10	15.7	40.4	385	363	342	760	675	600	150	-2	0	-2.7	50	20	17	37.5
	V311882	LFN	158	10.25	—	15.9	40.4	343	327	312	603	548	499	150	0.7	0	-5.7	50	20	16.9	37.3
	V312032	SJHP	158	10.25	CuZn 10	15.9	40.4	405	385	366	841	760	687	150	-0.5	0	-2.1	50	20	16.9	37.3
40 S&W	V312162	FMJ	165	10.7	CuZn 10	15.9	28.8	313	296	280	524	469	419	102	-0.2	0	-5	50	20	17.3	38.14
	V311202	FMJ	180	11.7	CuZn 10	16.7	28.8	295	286	277	509	479	450	102	-0.1	0	-5.5	50	20	18.3	40
	V311912	JHP	180	11.7	CuZn 10	16.7	28.5	297	289	281	516	489	462	102	-0.1	0	-5.4	50	20	18	40
10 mm AUTO	V312092	FMJ	180	11.7	CuZn 10	17.3	32	355	336	318	737	660	592	150	-0.4	0	-3.4	50	20	18.6	40.8
	V312272	JHP	180	11.7	CuZn 10	17.25	32	355	337	322	737	663	605	150	-1.5	0	-1.4	50	20	18.3	40.4
44 REM. MAG.	V311402	SP	240	15.55	CuZn 10	24.6	40.6	390	372	354	1183	1073	974	150	-0.5	0	-2.5	50	12	15.9	35.5
45 AUTO / 45 ACP	V311252	FMJ	230	14.9	CuZn 10	20.9	32.4	260	252	244	504	473	444	127	0.2	0	-7.7	50	20	22.3	50
	V311892	JHP	230	14.9	CuZn 10	21.1	29.1	271	265	259	547	523	500	127	0.1	0	-6.7	50	20	22.5	50
45 GAP	V311452	FMJ	230	14.9	CuZn 10	20.5	28.9	246	241	236	451	433	415	150	0.3	0	-8.6	50	20	21.7	48
45 COLT	V311762	FMJ	230	14.9	CuZn 10	24.1	40.6	251	246	240	469	451	429	102	0.02	0	-8.2	50	12	15.5	34.1
	V311772	JHP	230	14.9	CuZn 10	24.1	40.6	253	247	241	477	455	433	102	0.2	0	-8.1	50	12	15.4	34
	V311782	LFN	200	12.9	Pb shot	22	40.3	261	255	249	441	421	402	102	0.2	0	-7.4	50	12	14.3	31.5
	V311792	LFN	250	16.2	Pb shot	25	40.3	216	211	207	378	361	347	102	0.7	0	-11.7	50	12	16	34



## PISTOL AND REVOLVER AMMUNITION – NONTOX

	Product No.	Type	Bullet			Cartridge		Velocity (m/s)			Energy (J)			Barrel length (mm)	Distance (m)			Pcs per box	Boxes per case	Weight per case	
			Weight	Jacket material	Weight	Length	V <sub>0</sub>	V <sub>25</sub>	V <sub>50</sub>	E <sub>0</sub>	E <sub>25</sub>	E <sub>50</sub>	Points of impact (cm)			kg	lb				
													grs		g					g	mm
9 mm LUGER / 9 mm PARA / 9x19	V311552	TFMJ	115	7.5	CuZn 30	12.2	29.7	390	357	327	570	478	400	150	-0.4	0	-2.8	50	20	12.6	28
	V311562	TFMJ	124	8	CuZn 30	12.7	29.7	360	329	301	518	433	362	150	-0.4	0	-3.7	50	20	13.2	29
	V310542	JHP	115	7.5	CuZn 10	12.3	26.9	377	343	313	533	442	367	150	-0.4	0	-3.2	50	20	12.5	28
	V310392	SP	100	6.5	CuZn 10	11	27.5	428	388	351	595	489	400	150	-0.5	0	-2.1	50	20	12	26.5
	V310602	SP	124	8	CuZn 10	12.7	28.4	355	325	298	504	423	354	150	-0.3	0	-3.8	50	20	13	29
9x21	V311712	TFMJ	115	7.5	CuZn 30	12.2	29.8	368	354	341	508	470	435	125	-0.4	0	-2.9	50	20	13	29
	V311702	TFMJ	124	8	CuZn 30	12.7	29.8	362	338	315	524	457	397	125	-0.4	0	3.4	50	20	13.5	30
357 SIG	V311172	TFMJ	140	9	CuZn 30	14.4	29	412	377	345	764	640	536	127	-0.5	0	-2.3	50	20	16	35.5
38 SPECIAL	V311422	TFMJ	158	10.25	CuZn 30	15.1	38.6	266	249	232	363	317	277	190	0.2	0	-7.9	50	20	16.2	36.5
	V311082	SP	158	10.25	Fe/CuZn 10	15.1	38.6	266	249	232	363	317	277	190	0.2	0	-7.9	50	20	16.5	36.5
357 MAGNUM	V311132	TFMJ	158	10.25	CuZn 10	15.7	40.4	385	363	342	760	675	600	150	-2	0	-2.7	50	20	17	37.5
	V311342	SP	158	10.25	CuZn 10	15.7	40.4	385	363	342	760	675	600	150	-2	0	-2.7	50	20	17	37.5
40 S&W	V311232	TFMJ	180	11.7	CuZn 10	16.7	28.8	295	286	277	509	479	450	102	-0.1	0	-5.5	50	20	18.3	40
45 ACP	V311292	TFMJ	230	14.9	CuZn 10	20.9	32.4	263	253	243	515	476	439	127	0.2	0	-7.6	50	20	22.5	50

## HUNTING RIFLE AMMUNITION

	Product No.	No.	Bullet		Cartridge		Velocity (m/s)					Energy (J)					Barrel length (cm)	Distance (m)					MRD	Distance (m)					Ballistic coefficient	Pcs per box	Boxes per case	Weight per case		
			Type	Weight	Weight	Length	V <sub>0</sub>	V <sub>100</sub>	V <sub>200</sub>	V <sub>300</sub>	V <sub>400</sub>	E <sub>0</sub>	E <sub>100</sub>	E <sub>200</sub>	E <sub>300</sub>	E <sub>400</sub>		Points of impact (cm)						Points of impact MRD (cm)								kg	lb	
																		grs	g	g	mm	50		100	200	300	400	m						50
17 HORNET	V341112	21710	V-MAX™	20	1.30	5.9	43.6	1112	924	751	617	507	804	555	367	247	167	60	-1.3	0.0	-6.9	-31.4	-82.1	201	0.5	3.5	0.1	-21.0	-68.1		20	90	12.3	27.1
204 RUGER	V332802	22004	PTS	32	2.10	10.8	57.3	1258	1119	981	867	766	1662	1315	1011	789	616	60	-1.6	0.0	-3.0	-16.2	-42.6	239	-0.2	2.8	2.7	-7.7	-31.2		20	50	11.5	25.5
22 HORNET	V330002	2901	FMJ	45	2.90	7.5	43.7	715	545	402	302	226	741	431	234	132	74	60	0.7	0.0	-30.1	-122.5	-325.9	130	2.4	3.4	-23.2	-112.3	-312.2		20	90	14.5	31.5
	V330012	2911	SP	45	2.90	7.5	43.7	715	534	385	283	207	741	413	215	116	62	60	0.8	0.0	-31.8	-131.9	-358.8	129	2.5	3.4	-25.1	-121.8	-345.3		20	90	14.3	31.5
222 REM.	V330102	2902	FMJ	50	3.24	11.1	54.1	970	850	733	637	554	1524	1170	871	658	497	60	-1.0	0.0	-8.9	-36.2	-87.7	188	0.8	3.7	-1.5	-25.1	-73.0		20	60	14.5	32.0
	V330122	2913	SP	50	3.24	11.1	54.1	970	800	645	526	429	1524	1037	673	448	297	60	-0.9	0.0	-10.9	-45.8	-116.6	178	1.0	3.8	-3.3	-34.3	-101.4		20	60	14.4	32.0
22-250 REM.	V341322	2903	FMJ	55	3.60	16.5	59.6	947	844	742	657	581	1614	1282	991	776	608	60	-1.0	0.0	-9.0	-36.0	-85.8	187	0.9	3.7	-1.7	-24.9	-71.1		20	25	9.5	21.0
	V330462	1365	SBT	55	3.60	16.5	59.6	1122	975	833	718	619	2266	1711	1249	928	689	60	-1.4	0.0	-5.6	-25.4	-64.4	211	0.3	3.3	1.1	-15.4	-51.1		20	25	9.5	21.0
	V330422	2914	SP	55	3.60	16.5	59.6	942	807	679	576	489	1597	1172	829	597	430	60	-0.9	0.0	-10.5	-42.5	-104.3	179	1.0	3.8	-2.9	-31.1	-89.2		20	25	9.5	21.0
5.56 x 45		2903	M193	55	3.60	12.6	56.6	1006	902	798	711	633	1822	1464	1147	910	722	60	-1.1	0.0	-7.3	-30.0	-72.3	198	0.6	3.5	-0.2	-19.4	-58.1					
5.6 x 50 R MAGNUM	V330302	2902	FMJ	50	3.24	12.7	58.7	1030	884	745	633	539	1719	1266	899	650	470	60	-1.1	0.0	-7.9	-33.6	-84.0	194	0.7	3.6	-0.7	-22.9	-69.7		20	50	14.0	31.0
	V330322	2913	SP	50	3.24	12.7	58.7	1030	839	667	537	432	1719	1140	720	466	302	60	-1.1	0.0	-9.5	-41.4	-108.0	185	0.8	3.7	-2.1	-30.3	-93.1		20	50	14.0	31.0
5.6 x 52 R	V330402	2904	FMJ	70	4.60	14.7	63.0	872	764	659	573	498	1749	1343	998	754	570	60	-0.6	0.0	-12.2	-47.1	-112.2	171	1.3	3.8	-4.5	-35.6	-96.9		20	25	9.0	20.0
	V330412	2915	SP	70	4.60	14.7	63.0	872	762	655	568	492	1749	1335	987	742	557	60	-0.6	0.0	-12.3	-47.6	-113.5	170	1.3	3.8	-4.6	-36.1	-98.2		20	25	9.0	20.0
5.7 x 28		2865	FMJ-ZC	40	2.60	7.3	40.5	545	419	312	236	179	386	228	127	73	42	60	3.0	0.0	-54.2	-211.7	-549.7	104	3.4	0.8	-52.7	-209.4	-546.7					
223 REM.	V330202	2903	FMJ	55	3.60	12.6	56.6	1006	902	798	711	633	1822	1464	1147	910	722	60	-1.1	0.0	-7.3	-30.0	-72.3	198	0.6	3.5	-0.2	-19.4	-58.1		20	50	13.0	29.0
	V330392	2914	SP	55	3.60	12.6	55.6	1006	872	743	639	549	1822	1369	994	734	542	60	-1.1	0.0	-8.2	-34.4	-84.8	192	0.7	3.6	-1.0	-23.5	-70.3		20	50	12.8	29.0
		2963	XRG	62	4.00	12.7	57.4	925	820	716	631	555	1711	1345	1027	795	616	60	-0.9	0.0	-9.9	-39.0	-92.9	182	1.0	3.7	-2.4	-27.8	-78.0					
243 WIN.	V330762	2430	FMJ	80	5.20	19.5	67.0	985	867	752	656	573	2523	1954	1469	1120	855	60	-1.1	0.0	-8.3	-34.1	-82.9	191	0.8	3.6	-1.1	-23.3	-68.3		20	25	11.0	24.0
	V340332	35642	NSR	100	6.50	20.8	67.5	865	771	678	600	531	2432	1932	1493	1170	917	60	-0.6	0.0	-11.8	-45.1	-105.8	172	1.3	3.8	-4.2	-33.7	-90.5		20	10	5.3	11.5
	V330782	24532	PTS	95	6.10	20.1	67.0	885	805	724	655	592	2389	1976	1599	1308	1070	60	-0.8	0.0	-10.4	-39.5	-91.6	179	1.1	3.8	-2.9	-28.2	-76.6		20	25	11.5	25.5
	V330812	2921	SP	100	6.50	19.6	67.9	870	772	675	595	524	2460	1937	1482	1150	893	60	-0.7	0.0	-11.8	-45.2	-106.5	172	1.3	3.8	-4.2	-33.8	-91.2		20	25	11.7	25.5
6.5 x 52 R	V330552	2925	SP	117	7.60	17.8	64.5	650	545	447	371	308	1606	1129	761	524	360	60	1.0	0.0	-29.1	-107.9	-258.6	127	2.6	3.2	-22.8	-98.4	-246.0		20	25	10.1	22.5
6.5 x 55 SE	V340782	2956	FMJ	124	8.00	23.3	77.2	834	761	687	623	566	2782	2316	1887	1554	1280	60	-0.6	0.0	-12.2	-45.2	-103.6	170	1.4	3.8	-4.6	-33.8	-88.4		20	20	10.4	22.8
	V330592	2905	FMJ	140	9.10	23.5	78.0	787	734	679	631	586	2818	2451	2097	1809	1560	60	-0.4	0.0	-13.4	-48.1	-107.6	164	1.5	3.8	-5.8	-36.7	-92.3		20	20	11.0	24.5
	V340252	16321	NSR	140	9.10	24.0	77.3	748	672	596	532																							



# HUNTING RIFLE AMMUNITION

Product No.	Bullet				Cartridge		Velocity (m/s)					Energy (J)					Barrel length (cm)	Distance (m)					MRD m	Distance (m)					Ballistic coefficient	Pcs per box	Boxes per case	Weight per case		
	No.	Type	Weight		Weight	Length	V <sub>0</sub>	V <sub>100</sub>	V <sub>200</sub>	V <sub>300</sub>	V <sub>400</sub>	E <sub>0</sub>	E <sub>100</sub>	E <sub>200</sub>	E <sub>300</sub>	E <sub>400</sub>		Points of impact (cm)						Points of impact MRD (cm)								kg	lb	
			grs	g														g	mm	50	100	200		300	400	50	100	200						300
6.5 x 57 R	V330712	2923	SP	131	8.50	21.9	77.0	775	698	621	556	497	2 553	2 071	1 638	1 312	1 051	60	-0.2	0.0	-15.5	-56.5	-129.5	157	1.7	3.8	-7.8	-45.0	-114.2		20	20	10.0	23.0
6.5 Creedmoor	V341602	2905	FMJBT	140	9.10	23.3	69.9	810	755	698	648	601	2 985	2 594	2 216	1 909	1 644	60	-0.5	0.0	-12.4	-45.0	-101.0	168	1.4	3.8	-4.8	-33.6	-85.8		20	25	13.3	29.3
		2 923	SP	131	8.50		69.7	835	754	673	604	542	2 963	2 416	1 922	1 549	1 247	60	-0.5	0.0	-12.5	-46.9	-108.2	168	1.4	3.8	-4.9	-35.4	-92.9					
		2 928	SP	140	9.10		69.7	810	735	659	595	536	2 985	2 458	1 977	1 609	1 310	60	-0.4	0.0	-13.4	-49.5	-113.5	164	1.5	3.8	-5.8	-38.0	-98.2					
		2 926	SP	156	10.10		69.7	745					2 803	0				40																
6.8 mm REM. SPC	V332542	2340	FMJ	110	7.10	16.9	57.0	779	698	617	549	489	2 154	1 730	1 352	1 072	849	60	-0.2	0.0	-15.5	-56.9	-130.9	157	1.7	3.8	-7.8	-45.4	-115.6		20	50	18.0	39.7
	V332692	22720	PTS	110	7.10	16.7	57.4	777	703	628	565	508	2 143	1 754	1 402	1 134	917	60	-0.2	0.0	-15.2	-55.3	-126.2	158	1.7	3.8	-7.5	-43.8	-110.9		20	30	11.0	24.5
270 WIN.	V340342	16322	NSR	130	8.40	24.5	82.3	854	777	699	632	572	3 063	2 536	2 052	1 679	1 375	60	-0.6	0.0	-11.5	-43.1	-99.4	173	1.3	3.8	-3.9	-31.7	-84.2		20	10	6.0	13.2
	V330772	27402	PTS	150	9.70	25.4	82.3	810	746	680	623	571	3 182	2 699	2 245	1 885	1 583	60	-0.5	0.0	-12.9	-47.0	-106.4	166	1.5	3.8	-5.2	-35.5	-91.1		20	20	11.5	25.5
	V340752	2929	SP	130	8.40	24.4	82.3	894	728	578	465	374	3 357	2 226	1 405	909	588	60	-0.6	0.0	-14.3	-58.4	-148.5	164	1.4	3.9	-6.5	-46.6	-132.8		20	20	11.0	23.8
	V330852	2927	SP	150	9.70	25.4	82.3	805	691	582	495	421	3 143	2 316	1 645	1 190	861	60	-0.3	0.0	-16.1	-61.4	-147.0	156	1.7	3.9	-8.4	-49.8	-131.6		20	20	11.3	25.5
	V340102	2967	XRG	130	8.40	24.2	82.6	854	767	680	607	542	3 063	2 471	1 942	1 547	1 232	60	-0.6	0.0	-12.0	-45.2	-105.3	171	1.3	3.8	-4.3	-33.8	-90.0		20	10	6.0	13.3
7 x 57	V330972	2955	FMJ	140	9.10	23.3	78.0	799	737	673	618	567	2 905	2 471	2 062	1 738	1 464	60	-0.4	0.0	-13.3	-48.3	-109.0	165	1.5	3.8	-5.6	-36.8	-93.7		20	20	11.0	23.0
	V330922	2981	HPC	158	10.20	24.2	78.0	757	698	637	585	537	2 923	2 485	2 072	1 744	1 469	60	-0.2	0.0	-15.4	-55.0	-123.3	156	1.7	3.8	-7.8	-43.6	-108.1		20	20	11.0	24.0
	V340202	35645	NSR	175	11.35	25.8	77.0	734	675	615	562	515	3 057	2 586	2 143	1 794	1 502	60	0.0	0.0	-16.8	-59.7	-133.6	152	1.9	3.8	-9.3	-48.4	-118.6		20	10	6.3	14.0
	V330992	28452	PTS	162	10.50	25.0	76.1	765	706	645	593	544	3 072	2 617	2 186	1 844	1 556	60	-0.2	0.0	-14.9	-53.5	-120.0	158	1.7	3.8	-7.3	-42.0	-104.8		20	20	11.0	24.5
	V330982	1940	SBT	175	11.35	25.0	78.0	735	685	633	587	545	3 066	2 663	2 274	1 959	1 687	60	-0.1	0.0	-16.1	-56.8	-125.9	153	1.8	3.8	-8.6	-45.5	-110.8		20	20	11.5	25.5
	V340662	2931	SP	140	9.10	23.4	73.0	808	681	562	469	391	2 971	2 110	1 439	1 001	697	60	-0.2	0.0	-16.8	-65.0	-158.3	155	1.7	3.9	-9.1	-53.4	-142.8		20	20	10.7	23.0
	V330932	2932	SPCE	173	11.20	24.8	77.0	725	654	583	522	468	2 944	2 395	1 901	1 528	1 228	60	0.1	0.0	-18.3	-65.6	-149.1	148	2.0	3.7	-10.8	-54.4	-134.1		20	20	11.3	25.0
V340032	2968	XRG	158	10.20	24.2	76.0	757	647	543	459	389	2 923	2 135	1 502	1 077	772	60	0.0	0.0	-19.1	-71.8	-171.5	148	1.9	3.8	-11.5	-60.5	-156.3		20	10	6.1	13.5	
7 x 57 R	V331052	2955	FMJ	140	9.10	23.4	78.0	799	737	673	618	567	2 905	2 471	2 062	1 738	1 464	60	-0.4	0.0	-13.3	-48.3	-109.0	165	1.5	3.8	-5.6	-36.8	-93.7		20	20	10.5	23.0
	V331022	2981	HPC	158	10.20	23.7	78.0	757	698	637	585	537	2 923	2 485	2 072	1 744	1 469	60	-0.2	0.0	-15.4	-55.0	-123.3	156	1.7	3.8	-7.8	-43.6	-108.1		20	20	11.0	24.5
	V340212	35645	NSR	175	11.35	26.0	77.0	704	647	589	538	492	2 813	2 376	1 966	1 644	1 375	60	0.2	0.0	-18.7	-65.9	-147.0	146	2.1	3.7	-11.4	-54.8	-132.2		20	10	6.3	14.0
	V330962	28452	PTS	162	10.50	25.2	76.1	727	678	627	582	541	2 775	2 413	2 064	1 780	1 535	60	0.0	0.0	-16.6	-58.1	-128.7	152	1.9	3.8	-9.1	-46.9	-113.7		20	20	11.3	25.0
	V331062	1940	SBT	175	11.35	25.0	78.0	735	685	633	587	545	3 066	2 663	2 274	1 959	1 687	60	-0.1	0.0	-16.1	-56.8	-125.9	153	1.8	3.8	-8.6	-45.5	-110.8		20	20	11.5	25.5
	V331032	2931	SP	140	9.10	22.8	73.0	808	681	562	469	391	2 971	2 110	1 439	1 001	697	60	-0.2	0.0	-16.8	-65.0	-158.3	155	1.7	3.9	-9.1	-53.4	-142.8		20	20	10.5	23.0
	V331042	2932	SPCE	173	11.20	24.8	77.0	725	654	583	522	468	2 944	2 395	1 901	1 528	1 228	60	0.1	0.0	-18.3	-65.6	-149.1	148	2.0	3.7	-10.8	-54.4	-134.1		20	20	11.2	25.0
V340042	2968	XRG	158	10.20	23.7	76.0	745	634	529	446	376	2 831	2 050	1 428	1 015	721	60	0.1	0.0	-20.1	-75.6	-181.0	145	2.0	3.8	-12.6	-64.4	-165.9		20	10	6.1	13.5	
7 x 64	V331162	2955	FMJ	140	9.10	23.4	84.0	845	775	703	642	586	3 249	2 733	2 252	1 874	1 560	60	-0.6	0.0	-11.6	-43.0	-98.3	173	1.3	3.8	-4.0	-31.6	-83.1		20	20	11.0	24.5
	V331122	2981	HPC	158	10.20	25.3	84.0	804	747	688	636	589	3 297	2 846	2 414	2 065	1 767	60	-0.4	0.0	-12.8	-46.3	-104.2	167	1.5	3.8	-5.2	-34.9	-88.9		20	20	11.5	25.5
	V340222	35645	NSR	175	11.35	26.8	84.0	783	720	655	600	549	3 479	2 942	2 438	2 041	1 708	60	-0.3	0.0	-14.2	-51.2	-115.7	161	1.6	3.8	-6.5	-39.8	-100.4		20	10	6.5	14.5
	V331152	28452	PTS	162	10.50	26.1	83.0	800	740	678	624	575	3 360	2 875	2 414	2 046	1 735	60	-0.4	0.0	-13.1	-47.6	-107.4	165	1.5	3.8	-5.5	-36.2	-92.1		20	20	11.5	25.5
	V331182	1940	SBT	175	11.35	25.9	84.0	769	713	655	605	558	3 356	2 885	2 436	2 075	1 768	60	-0.3	0.0	-14.5	-51.9	-116.3	159	1.7	3.8	-6.9	-40.5	-101.0		20	20	12.0	26.5
	V332012	2931	SP	140	9.10	23.0	81.5	856	727	605	509	428	3 334	2 405	1 668	1 180	834	60	-0.5	0.0	-14.1	-55.3	-134.7	164	1.4	3.9	-6.4	-43.6	-119.1		20	20	11.1	24.5
	V332022	2932	SPCE	173	11.20	25.7	83.5	770	699	627	566	511	3 320	2 736	2 203	1 795	1 462	60	-0.2	0.0	-15.4	-55.8	-126.9	157	1.7	3.8	-7.8	-44.3	-111.7		20	20	11.8	26.0
V340072	2968	XRG	158	10.20	25.3	84.0	797	673	557	465	389	3 240	2 310	1 582	1 105	772	60	-0.2	0.0	-17.3	-66.7	-161.8	153											



# HUNTING RIFLE AMMUNITION

Product No.	Bullet			Cartridge		Velocity (m/s)					Energy (J)					Barrel length (cm)	Distance (m)					MRD m	Distance (m)					Ballistic coefficient	Pcs per box	Boxes per case	Weight per case			
	No.	Type	Weight grs g	Weight g mm	Length mm	V <sub>0</sub>	V <sub>100</sub>	V <sub>200</sub>	V <sub>300</sub>	V <sub>400</sub>	E <sub>0</sub>	E <sub>100</sub>	E <sub>200</sub>	E <sub>300</sub>	E <sub>400</sub>		Points of impact (cm)						Points of impact MRD (cm)								kg	lb		
																	50	100	200	300	400		50	100	200	300	400							
<b>300 AAC Blackout SUBSONIC</b>	V341302	2950	FMJ Subsonic	200	13.00	19.9	56.0	323	279	237	203	174	678	506	364	267	196	60	11.3	0.0	-124.3	-425.0	-966.4	68	3.4	-15.7	-155.7	-472.1	-1029.2		20	50	21.0	46.3
<b>308 WIN.</b>	V340762	2958	FMJ	124	8.00	22.6	69.5	905	816	727	651	583	3 276	2 663	2 112	1 696	1 362	60	-0.8	0.0	-10.0	-38.6	-90.5	181	1.0	3.7	-2.5	-27.4	-75.5		20	25	12.6	27.8
	V332212	2908	FMJ	147	9.55	23.5	70.8	850	772	693	626	565	3 450	2 846	2 294	1 870	1 525	60	-0.6	0.0	-11.7	-43.9	-101.3	172	1.3	3.8	-4.1	-32.5	-86.0		20	25	13.5	30.0
	V332202	2957	FMJ	180	11.70	26.0	70.5	735	679	621	571	525	3 160	2 697	2 258	1 909	1 614	60	0.0	0.0	-16.5	-58.5	-130.7	152	1.9	3.8	-9.0	-47.2	-115.6		20	25	14.5	32.0
	V331442	2983	HPC	180	11.70	25.9	71.1	760	713	664	620	580	3 379	2 974	2 578	2 251	1 966	60	-0.2	0.0	-14.5	-51.3	-113.6	159	1.7	3.8	-6.9	-39.9	-98.4		20	25	14.5	32.5
	V340272	16331	NSR	180	11.70	25.8	71.1	745	660	576	507	446	3 247	2 548	1 943	1 503	1 162	60	0.0	0.0	-18.0	-65.7	-151.8	149	1.9	3.8	-10.4	-54.3	-136.7		20	10	6.3	14.0
	V331532	30702	PTS	180	11.70	26.1	69.8	765	712	657	609	564	3 424	2 966	2 525	2 169	1 862	60	-0.2	0.0	-14.6	-51.9	-115.8	159	1.7	3.8	-6.9	-40.5	-100.5		20	25	14.5	32.0
	V331372	2160	SBT	180	11.70	26.0	71.1	754	699	642	593	547	3 326	2 858	2 412	2 054	1 750	60	-0.2	0.0	-15.3	-54.5	-121.6	157	1.7	3.8	-7.7	-43.1	-106.4		20	25	14.5	32.0
	V331432	2937	SP	180	11.70	25.9	71.1	748	649	554	476	410	3 273	2 464	1 793	1 327	982	60	0.1	0.0	-18.9	-70.0	-164.7	148	1.9	3.8	-11.3	-58.7	-149.6		20	25	14.3	32.0
	V340902	2936	SPCE	150	9.70	24.0	68.0	850	750	652	571	500	3 504	2 728	2 061	1 581	1 212	60	-0.6	0.0	-12.8	-48.8	-115.2	168	1.4	3.8	-5.1	-37.3	-99.8		20	25	13.5	30.0
	V332232	2935	SPCE	180	11.70	26.0	68.0	765	682	600	531	470	3 424	2 721	2 104	1 649	1 293	60	-0.1	0.0	-16.5	-60.4	-139.3	154	1.8	3.8	-8.9	-49.0	-124.0		20	25	14.4	32.0
V340002	2970	XRG	180	11.70	25.9	71.1	795	697	602	523	455	3 697	2 842	2 117	1 601	1 212	60	-0.3	0.0	-15.7	-58.6	-137.6	157	1.7	3.8	-8.0	-47.1	-122.2		20	10	6.2	14.0	
<b>30-06 SPRING.</b>	V340772	2958	FMJ	124	8.00	24.0	81.4	944	858	771	697	630	3 565	2 945	2 377	1 942	1 586	60	-1.0	0.0	-8.5	-33.6	-79.0	189	0.8	3.6	-1.2	-22.7	-64.4		20	20	10.8	23.8
	V331652	2908	FMJ	147	9.55	25.0	82.5	890	813	735	667	606	3 782	3 156	2 577	2 127	1 756	60	-0.8	0.0	-10.1	-38.3	-88.7	180	1.1	3.7	-2.6	-27.1	-73.8		20	20	11.3	25.0
	V331792	2957	FMJ	180	11.70	27.2	82.5	815	752	687	631	579	3 886	3 308	2 763	2 329	1 964	60	-0.5	0.0	-12.6	-46.0	-104.0	168	1.4	3.8	-4.9	-34.5	-88.8		20	20	12.2	27.0
	V331632	2983	HPC	180	11.70	27.4	83.4	814	759	702	652	605	3 876	3 370	2 881	2 484	2 142	60	-0.5	0.0	-12.2	-44.4	-99.7	169	1.4	3.8	-4.6	-33.0	-84.5		20	20	12.0	26.5
	V340282	16331	NSR	180	11.70	26.6	83.2	784	702	620	552	491	3 596	2 883	2 251	1 781	1 409	60	-0.3	0.0	-15.3	-56.2	-129.4	158	1.7	3.8	-7.6	-44.7	-114.1		20	10	6.5	14.5
	V331742	30702	PTS	180	11.70	27.6	82.3	790	737	682	633	589	3 651	3 178	2 720	2 347	2 026	60	-0.4	0.0	-13.2	-47.6	-106.5	164	1.5	3.8	-5.6	-36.2	-91.3		20	20	12.0	26.5
	V331732	2160	SBT	180	11.70	27.4	82.3	786	728	668	616	568	3 614	3 100	2 611	2 220	1 887	60	-0.3	0.0	-13.7	-49.5	-111.2	163	1.6	3.8	-6.1	-38.0	-95.9		20	20	12.2	27.0
	V331622	2937	SP	180	11.70	27.2	83.4	825	709	598	510	434	3 982	2 941	2 094	1 519	1 102	60	-0.4	0.0	-15.0	-57.7	-138.6	160	1.6	3.9	-7.3	-46.1	-123.1		20	20	12.3	23.0
	V340912	2936	SPCE	150	9.70	25.1	80.0	900	799	699	616	543	3 929	3 096	2 372	1 843	1 432	60	-0.8	0.0	-10.7	-41.5	-98.3	178	1.1	3.8	-3.1	-30.2	-83.2		20	20	11.5	25.5
	V331772	2935	SPCE	180	11.70	27.2	80.0	805	724	643	575	513	3 791	3 066	2 418	1 931	1 542	60	-0.4	0.0	-14.0	-51.9	-119.6	162	1.5	3.8	-6.4	-40.4	-104.3		20	20	12.2	27.0
V340012	2 971	TXRG	164	10.70	27.10	84.8	849	785	719	662	609	3 856	3 297	2 766	2 343	1 984	60	-0.6	0.0	-11.1	-41.2	-93.8	175	1.2	3.8	-3.6	-29.9	-78.7						
V340012	2970	XRG	180	11.70	27.2	83.5	809	724	639	568	505	3 829	3 066	2 391	1 890	1 494	60	-0.4	0.0	-14.1	-52.2	-120.9	162	1.5	3.8	-6.4	-40.7	-105.5		20	10	6.6	14.5	
<b>30-06 SPRING. M1 Garand</b>			FMJ	150	9.70		82.5	823	747	670	605	546	3 285	2 706	2 178	1 774	1 444	60	-0.5	0.0	-12.9	-47.6	-109.3	167	1.4	3.8	-5.2	-36.1	-94.0					
<b>300 WIN. MAG.</b>	V340292	16331	NSR	180	11.70	31.3	84.8	875	782	690	612	543	4 479	3 577	2 781	2 192	1 727	60	-0.7	0.0	-11.3	-43.4	-101.8	174	1.2	3.8	-3.7	-32.0	-86.6		20	10	7.7	17.0
	V332552	30702	PTS	180	11.70	31.9	84.8	895	838	778	726	677	4 686	4 108	3 545	3 083	2 682	60	-0.9	0.0	-9.1	-34.4	-78.4	185	1.0	3.7	-1.7	-23.4	-63.7		20	20	14.2	31.5
	V332632	2165	SBT	200	12.96	33.3	84.8	835	754	673	604	542	4 518	3 684	2 931	2 361	1 902	60	-0.5	0.0	-12.5	-46.9	-108.2	168	1.4	3.8	-4.9	-35.4	-92.9		20	10	5.0	33.0
	V332612	2935	SPCE	180	11.70	32.2	84.8	895	809	722	649	583	4 686	3 829	3 053	2 465	1 990	60	-0.8	0.0	-10.2	-39.3	-91.8	180	1.1	3.8	-2.7	-28.1	-76.8		20	20	14.2	31.5
	V340022	2 972	TXRG	180	11.70	31.9	84.8	844	777	708	649	594	4 167	3 532	2 934	2 463	2 066	60	-0.6	0.0	-11.5	-42.5	-97.0	173	1.3	3.8	-3.9	-31.1	-81.8					
V340022	2970	XRG	180	11.70	32.2	84.8	887	762	643	547	466	4 603	3 397	2 417	1 752	1 269	60	-0.7	0.0	-12.4	-48.7	-118.0	171	1.3	3.8	-4.7	-37.1	-102.6		20	10	7.4	16.5	
<b>7.62 × 39</b>	V340832	2907	FMJ	124	8.00	17.5	56.0	738	641	547	471	406	2 179	1 644	1 199	889	659	60	0.1	0.0	-19.5	-71.9	-168.9	146	2.0	3.7	-12.0	-60.7	-153.9		20	30	11.3	25.1
	V332252	2943	SP	124	8.00	17.5	56.0	743	657	572	502	441	2 208	1 727	1 311	1 010	778	60	0.0	0.0	-18.2	-66.5	-153.9	149	1.9	3.8	-10.7	-55.2	-138.8		20	30	11.3	25.0
<b>7.62 × 54 R</b>	V332442	2909	FMJ	180	11.70	26.2	75.0	786	732	676	627	581	3 614	3 135	2 673	2 298	1 976	60	-0.4	0.0	-13.5	-48.5	-108.6	163	1.5	3.8	-5.9	-37.1	-93.3		20	20	12.0	26.5
	V332462	2940	SP	180	11.70	26.2	73.0	800	706	614	538	471	3 744	2 916	2 204	1 691	1 297	60	-0.3	0.0	-15.1	-56.4	-131.8	159	1.6	3.8	-7.4	-44.9	-116.4		20	20	12.0	26.5
<b>8 × 57 JR</b>	V331762	2941	SP	196	12.70	27.2	78.0	710																										



## TARGET AMMUNITION

Product No.	Bullet		Cartridge		Velocity (m/s)					Energy (J)					Barrel length (cm)	Distance (m)										Ballistic coefficient	Pcs per box	Boxes per case	Weight per case					
	No.	Type	Weight		WeightLength		V <sub>0</sub>	V <sub>100</sub>	V <sub>200</sub>	V <sub>300</sub>	V <sub>400</sub>	E <sub>0</sub>	E <sub>100</sub>	E <sub>200</sub>		E <sub>300</sub>	E <sub>400</sub>	Points of impact MRD (cm)											kg	lb				
			grs	g	g	mm												50	100	200	300	400	500	600	700						800	900	1000	
222 REM.	V332832	1410	HPBT	52	3.36	11.7	54.1	966	822	688	566	460	1 568	1 135	795	538	355	60	-1.0	0.0	-10	-40	-102	-211	-391	-672	-1 084	-1 653	-2 391	0.110	20	60	14.7	32.5
223 REM.	V332842	1410	HPBT	52	3.36	11.9	56.4	1040	893	753	625	510	1 817	1 340	953	656	437	60	-1.2	0.0	-7	-32	-83	-172	-318	-551	-900	-1 395	-2 053	0.109	20	50	12.5	27.5
	V332852	1380	HPBT	69	4.5	13.1	57	920	826	735	650	570	1 904	1 535	1 216	951	731	60	-0.9	0.0	-10	-37	-88	-170	-291	-466	-709	-1 041	-1 483	0.167	20	50	13.7	30.0
	V341092	9377	HPBT	77	5	13.6	57	861	780	703	629	560	1 853	1 521	1 236	989	784	60	-0.7	0.0	-11	-42	-98	-186	-313	-491	-734	-1 058	-1 481	0.189	20	50	14.3	31.5
6.5x55 SE	V332822	1742	HPBT	142	9.2	24.4	79	752	703	655	609	566	2 601	2 273	1 974	1 706	1 474	60	-0.2	0.0	-15	-53	-117	-212	-343	-515	-737	-1 015	-1 360	0.302	20	20	11.0	24.5
6.8 mm REM. SPC	V340492	1815	HPBT	115	7.5	17.2	57.4	755	665	580	504	436	2 138	1 658	1 262	953	713	60	-0.1	0.0	-17	-64	-150	-287	-494	-790	-1 198	-1 739	-2 430	0.165	20	50	18.0	40.8
308 WIN.	V331452	2200	HPBT	168	10.9	25.1	71.1	801	731	665	602	542	3 497	2 912	2 410	1 975	1 601	60	0.0	0.0	-13	-49	-112	-208	-346	-536	-788	-1 119	-1 544	0.216	20	25	14.0	31.0
	V341122	2275	HPBT	175	11.35	26.1	71.1	800	737	677	620	565	3 632	3 082	2 601	2 181	1 812	60	-0.4	0.0	-13	-48	-108	-199	-327	-500	-728	-1 022	-1 396	0.242	20	25	14.7	32.4
	V332812	2220	HPBT	180	11.7	26.2	71.1	800	738	679	623	569	3 744	3 186	2 697	2 271	1 894	60	-0.4	0.0	-13	-47	-107	-197	-324	-495	-720	-1 009	-1 376	0.246	20	25	14.5	31.5
	V341132	2210	HPBT	190	12.3	27.2	71.1	800	743	688	635	584	3 936	3 395	2 911	2 480	2 097	60	-0.4	0.0	-13	-46	-104	-191	-312	-474	-684	-951	-1 288	0.269	20	25	15.3	33.8
V332182	2230	HPBT	200	12.9	25.7	71.1	700	650	602	556	513	3 161	2 725	2 338	1 994	1 697	60	0.2	0.0	-18	-64	-141	-256	-414	-625	-897	-1 240	-1 667	0.281	20	25			
30-06 SPRING.	V331642	2200	HPBT	168	10.9	26.4	82.5	849	778	709	643	581	3 928	3 299	2 740	2 253	1 840	60	-0.6	0.0	-11	-42	-97	-181	-300	-464	-684	-971	-1 342	0.216	20	20	12.0	25.5
300 WIN. MAG.	V332602	2200	HPBT	168	10.9	31.5	84.8	920	846	775	707	641	4 613	3 901	3 273	2 724	2 239	60	-0.9	0.0	-9	-34	-79	-147	-246	-380	-559	-794	-1 097	0.215	20	20	14.0	31.0
	V340422	2210	HPBT	190	12.3	32.3	84.8	868	809	752	696	643	4 634	4 025	3 478	2 979	2 543	60	-0.8	0.0	-10	-37	-85	-157	-256	-389	-561	-780	-1 056	0.268	20	20	14.7	31.5
	V340432	2240	HPBT	220	14.3	34.5	84.8	827	777	729	681	636	4 890	4 317	3 800	3 316	2 892	60	-0.6	0.0	-11	-41	-92	-167	-270	-406	-579	-797	-1 065	0.307	20	20	15.5	34.2
7.62x54 R	V332472	2315	HPBT	174	11.3	25.8	75.3	788	728	670	615	563	3 508	2 994	2 536	2 137	1 791	60	-0.4	0.0	-14	-49	-110	-203	-333	-507	-736	-1 030	-1 401	0.253	20	20	12.0	26.5
338 LAP. MAG.	V340402	2650	HPBT	250	16.2	43.1	91.8	868	818	769	721	675	6 103	5 420	4 790	4 211	3 691	60	-0.8	0.0	-10	-36	-81	-148	-240	-360	-513	-704	-939	0.312	10	10	5.2	11.5
	V340412	9300	HPBT	300	19.4	47.2	91.8	827	786	746	707	669	6 634	5 993	5 398	4 849	4 341	60	-0.6	0.0	-11	-39	-88	-158	-252	-374	-528	-716	-944	0.386	10	10	5.5	12.1

## LEAD FREE SHOT LOADS

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
ECO GAME	V0681X2	12/70*	3.05; 3.30 (3.56; 3.81; 4.06 †)	360 (410 †)	ECOWAD	12.5	32	25	10	12	26.5
28 STEEL SHOT	V0669X2	12/70*	3.05; 3.30 (3.56; 3.81; 4.06 †)	420	PLAST	12.5	28	25	10	11	24
32 STEEL SHOT	V0665X2	12/70*	3.05; 3.30 (3.56; 3.81; 4.06 †)	370 (415 †)	PLAST	12.5	32	25	10	12	26.5
MAGUM 36 STEEL SHOT	V0661X2	12/76*	3.05; 3.30; 3.81; 4.06; 4.83; 5.08 †	390 †	PLAST	12.5	36	25	10	13	28.5
MAGNUM 39 STEEL SHOT	V0667X2	12/76*	3.05; 3.30; 3.81; 4.06; 4.83 †	385 †	PLAST	12.5	39	25	10	14	31
30 ZINC SHOT	V0801X2	12/70*	3.5; 4.0	405	PLAST	12.5	30	25	10	11.5	25
21 ZINC SHOT	V0803X2	16/70*	3.5; 4.0	460	PLAST	10	21	25	10	8.5	18.6
26 STEEL SHOT	V067702	16/67.5*	3.05	360	PLAST	8	26	25	10	9.5	21
24 STEEL SHOT	V0675X2	20/67.5*	3.05	400	PLAST	8	24	25	10	8.8	19.5

## CARTRIDGES WITH SINGLE SLUGS FOR SHOTGUNS – PLAST

	Product No.	Gauge	Projectile	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
SPECIAL SLUG MAGNUM	V051992	12/76	SPECIAL SLUG	460	-	12.5	32	25	10	12.5	27.5
	V051322	20/76	SPECIAL SLUG	560	-	10	21	25	12	9.6	21
SPECIAL SLUG	V051732	12/70	SPECIAL SLUG	420	-	12.5	32	25	10	9.5	21
	V051612	12/67.5	SPECIAL SLUG	420	-	12.5	32	5	40	9.1	20
	V051812	16/67.5	SPECIAL SLUG	420	-	10	27	5	40	8.5	19
	V051242	20/67.5	SPECIAL SLUG	490	-	10	21	5	40	7.5	16.5

## CARTRIDGES WITH SINGLE SLUGS FOR SPORTING PURPOSES – PLAST

	Product No.	Gauge	Projectile	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
SPECIAL SLUG SPORT	V051932	12/67.5	SPECIAL SLUG	410	-	12.5	28	25	10	10.2	22.5
	V051962	12/70	SPECIAL SLUG	410	-	12.5	28	25	10	10.5	23
SPECIAL SLUG WHITELINE	V051902	12/67.5	SPECIAL SLUG	410	-	12.5	28	25	10	10.2	22.5
	V052032	12/70	SPECIAL SLUG	410	-	12.5	28	25	10	10.5	23
PRACTICAL SLUG	V051662	12/63.5	SPECIAL SLUG	395	-	12.5	32	25	10	11	24
PRACTICAL SLUG WHITELINE	V051692	12/63.5	SPECIAL SLUG	395	-	12.5	32	25	10	11	24

## SPECIAL SHOTGUN SHELLS

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)
RUBBER SHOT	V075242	12/67.5	7.5	450
	V075252	12/67.5	7.5	450
	V075232	12/67.5	7.5	450
RUBBER SPHERICAL BALL	V075212	12/67.5	17.5	270
	V075222	12/67.5	15	280
SELF DEFENCE	V236702	410/63.5	4.5 / 9.65	300
	V236902	410/76	4.5 / 9.65	300

## SPORTING SHOTGUN SHELLS

	Product No.	Gauge	Dia of shot (mm)
SKEET 24 SUPER	V010502	12/70*	2.0
TRAP 24 SUPER	V000922	12/70*	2.4
SKEET 24 SPORT	V010102	12/70*	2.0
	V033302	16/70*	2.0
TRAP 24 SPORT	V038702	20/70*	2.0
	V000122	12/70*	2.4
	V033122	16/70*	2.4
	V038522	20/70*	2.4
SKEET 28 SPORT	V011502	12/70*	2.0
SKEET 28 SUPER	V012302	12/70*	2.0
TRAP 28 SPORT	V001722	12/70*	2.4
TRAP 28 SUPER	V002322	12/70*	2.4
EXTRA SPORTER 26	V022932	12/70*	2.5
PARCOURS	V0149X2	12/70*	2.0; 2.25; 2.4; 2.5
SUPER PARCOURS	V0227X2	12/70*	2.0; 2.25; 2.4; 2.5
PRACTICAL SPORT	V022152	12/63.5*	2.0; 2.25; 2.4; 2.5; 3.0
PRACTICAL BUCK SHOT	V022582	12/63.5	8.4
SKEET 24 STEEL SHOT	V060352	12/67.5*	2.29
	V061152	20/67.5*	2.29
TRAP 24 STEEL SHOT	V060172	12/67.5*	2.54
	V061172	20/67.5*	2.54
SKEET 28 STEEL SHOT	V060752	12/70*	2.29
TRAP 28 STEEL SHOT	V060572	12/70*	2.54

\* Star crimp.

PLAST – plastic wad with shots protector.

† Only for guns marked "STEEL SHOT" or "BILLES D'ACIER".



## SHOTGUN SHELLS

Identification number X	Diameter of shot in mm		
	Small Pb shot	Buck Pb shot	Steel shot
0	2.00	4.5	2.79
1	2.25	5.1	3.05
2	2.40	5.6	3.30
3	2.50	6.1	3.56
4	2.75	6.2	3.81
5	3.00	6.8	4.06
6	3.25	7.6	4.32
7	3.50	8.1	4.57
8	3.75	8.4	4.83
9	4.00	9.1	5.08

## HUNTING SHOTGUN SHELLS – PLASTIC

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
CORONA	V1005X2	12/70*	2.5;3.0;3.5;4.0	385	PLASTIC	12.5	28	25	10	11	24
	V1017X2	12/70*	2.5;3.0;3.5;4.0	385	PLASTIC	12.5	32	25	10	11.7	25.5
FORTUNA	V1039X2	12/70*	2.5;3.0;3.5;4.0	385	PLASTIC	12.5	36	25	10	12.7	28
VEGA	V1155X2	12/70*	2.5;3.0;3.5;4.0	390	PLASTIC	12.5	30	25	10	11	24
	V1157X2	12/70*	2.5;3.0;3.5;4.0	390	PLASTIC	12.5	34	25	10	12.5	27.5
	V1163X2	12/70*	2.5;3.0;3.5;4.0	390	PLASTIC	12.5	32	25	10	12	26.5
	V1202X2	16/70*	2.5;3.0;3.5;4.0	395	PLASTIC	10	30	10	25	11	24
V1304X2	20/70*	2.5;3.0;3.5;4.0	385	PLASTIC	10	26	10	25	10	22	
MARK III	V1009X2	12/70*	3.0;3.5;4.0	370	FELT	12.5	32	25	10	12	26.5
PHEASANT	V1145X2	12/67.5*	2.5;3.0;3.5;4.0	370	FELT	12.5	28	25	10	11	24
LORD	V1051X2	12/70*	3.0;3.5;4.0	370	FELT	12.5	36	25	10	13	28.5
BLACK FLASH	V1212X2	16/67.5*	2.0;2.5;3.0;3.5;4.0	380	FELT	10	32	10	25	11.5	25
JUNIOR	V1208X2	16/67.5	2.0;2.5;3.0;3.5;4.0	375	PLASTIC	10	32	10	25	11	24
	V2208X2	16/67.5	4.5;5.1;6.8;7.6	360	FELT	10	32	10	25	11	24
FAVORIT	V1305X2	20/67.5	2.0;2.5;3.0;3.5;4.0	380	FELT	10	28	25	10	10.5	23
	V2305X2	20/67.5	4.5;5.1;6.8	360	FELT	10	28	25	10	10.5	23
EXTRA	V1140X2	12/70*	2.0;2.5;3.0;3.5;4.0	390	PLASTIC	23	36	10	25	13	28.5
	V1160X2	12/70*	2.0;2.5;3.0;3.5;4.0	390	PLASTIC	23	34	10	25	12.5	27.5
	V1162X2	12/70*	2.0;2.5;3.0;3.5;4.0	390	PLASTIC	23	32	10	25	12	26.5

## HUNTING SHOTGUN SHELLS – PLASTIC SMALL CALIBERS

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
RED	V1401X2	28/70*	2.0;2.25;2.5;2.75	370	PLASTIC	12.5	28	25	16	15.5	34
	V1403X2	28/70*	2.0;2.5;3.0;3.5;4.0	370	PLASTIC	12.5	21	25	16	13	28.5
RED	V1357X2	410/63.5	2.0;2.5;3.0;3.5;4.0	340	FELT	11.5	12.4	25	20	10	22
	V1363X2	410/76	3.5;4.0	340	PLASTIC	11.5	16	25	20	13	28.5

## HUNTING SHOTGUN SHELLS – MAGNUM AND BUCK SHOT PLASTIC

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
PLASTIK	V1073X2	12/67.5	2.5;3.0;3.5;4.0	370	FELT	12.5	32	25	10	12	26.5
	V2073X2	12/67.5	4.5;5.1;6.1;7.6;8.4	360	FELT	12.5	32	25	10	12	26.5
BUCK SHOT	V2117X2	12/70	4.5;5.1;6.1;7.6;8.4	360	FELT	12.5	36	25	10	13	28.5
	V2127X2	12/70	4.5;5.1;6.1;7.6;8.4	370	FELT	12.5	32	25	10	11.5	25
MAGNUM 42.5	V1055X2	12/70*	2.5;3.0;3.5;4.0	380	PLASTIC	12.5	42.5	25	10	14.5	32
GOLDEN EAGLE	V1063X2	12/76*	2.5;3.0;3.5;4.0	390	PLASTIC	12.5	42.5	25	10	14.5	32
MAGNUM 53	V1065X2	12/76*	2.5;3.0;3.5;4.0	370	FELT	12.5	53	25	10	17	37.5
BUCK SHOT	V2116X2	12/76	4.5;5.1;6.1;7.6;8.4	370	FELT	12.5	53	10	25	17.5	38.5
MAGNUM	V2309X2	20/76	4.5;5.1;6.1;6.8	350	FELT	10	33.5	25	12	14	31
MAGNUM 33.5	V1301X2	20/76*	2.5;3.0;3.5;4.0	370	FELT	10	33.5	25	12	14	31
410 MAGNUM 19.5	V1361X2	410/76	2.0;2.5;3.0	340	PLASTIC	11.5	19.5	25	20	13	28.5

## HUNTING SHOTGUN SHELLS – PAPER

	Product No.	Gauge	Dia of shot (mm)	Velocity V <sub>2</sub> (m/s)	Wad	Brass (mm)	Load (g)	Pcs per box	Boxes per case	Weight per case	
										kg	lb
RED HARE	V1537X2	12/70*	2.5;3.0;3.5;4.0	380	FELT	12.5	32	25	10	12	26.5
RED PARTRIDGE	V1535X2	12/70*	2.5;3.0;3.5;4.0	380	FELT	12.5	32	25	10	12	26.5
RED AND BLACK	V1508X2	12/70*	2.5;3.0;3.5;4.0	390	FELT	12.5	35.4	10	25	13	28.5
	V2508X2	12/70	4.5;5.1;6.1;7.6;8.4	360	FELT	12.5	35.4	10	25	13	28.5
RED AND BLACK STREUKREUZ	V159242	12/70*	2.5;2.75;3.0;3.5;4.0	370	FELT + PLASTIC CROSS	12.5	34	10	25	13	28.5
RED AND BLACK	V1542X2	12/65	2.5;3.0;3.5;4.0	390	FELT	12.5	33.5	10	25	12.5	27.5
	V2542X2	12/65	4.5;5.1;6.1;7.6;8.4	360	FELT	12.5	33.5	10	25	12.5	27.5
	V1704X2	16/70*	2.5;3.0;3.5;4.0	380	FELT	10	30.1	10	25	11	24
	V2704X2	16/70	4.5;5.1;6.8;7.6	360	FELT	10	30.1	10	25	11	24
	V1728X2	16/65	2.5;3.0;3.5;4.0	380	FELT	10	28.4	10	25	11	24
	V2728X2	16/65	4.5;5.1;6.8;7.6	360	FELT	10	28.4	10	25	11	24
	V1802X2	20/70*	2.5;3.0;3.5;4.0	380	FELT	10	27	10	25	10.5	23
	V2801X2	20/70	4.5;5.1;6.8	360	FELT	10	27	25	12	10.5	23
	V1804X2	20/65	2.5;3.0;3.5;4.0	380	FELT	10	26.5	10	25	10.5	23
	V2804X2	20/65	4.5;5.1;6.8	360	FELT	10	26.5	10	25	10.5	23



## RIMFIRE AMMUNITION

	Product No.	Bullet			Case Material	Velocity (m/s)		Energy (J)		Barrel length (cm)	Pcs per box	Boxes per case	Weight per case	
		Weight		Material		V <sub>s</sub>	V <sub>50</sub>	E <sub>5</sub>	E <sub>50</sub>				kg	lb
		grs	g											
22 WMR	V355132	45	2.92	Coppered Lead	CuZn 30	475	397	329	230	60	50	30	8	17.5
22 WMR JHP	V355202	40	2.6	Cu/Pb	CuZn 30	560	477	407	296	60	50	30	7.5	17
22 WMR FMJ	V355212	40	2.6	Cu/Pb	CuZn 30	560	477	407	296	60	50	30	7.5	17
22 LONG RIFLE HV	V355007	36	2.33	Coppered Lead	Nickled Brass	395	355	182	147	60	50	100	17.5	38.5
22 LONG RIFLE CLUB	V355027	40	2.56	Lead	Nickled Brass	325	295	135	112	60	50	100	18.5	41
22 LONG RIFLE HV HP	V355017	38	2.45	Lead	CuZn 30	375	345	172	146	60	50	100	18.1	40
22 LONG RIFLE SUBSONIC HP	V355252	40	2.56	Lead	CuZn 30	310	280	123	100	60	50	100	19	42
22 LONG RIFLE STANDARD	V355262	40	2.56	Lead	CuZn 30	325	295	135	112	60	50	100	18.5	41
22 LONG RIFLE SUBSONIC	V355272	40	2.56	Lead	CuZn 30	310	280	123	100	60	50	100	18.4	42
22 SHORT	V355507	28.1	1.8	Lead	CuZn 30	280	250	70	56	60	50	100	14	31
4 mm RANDZ COURT	V355322	7.7	0.5	Coppered Lead	Nickled Tombac	280	-	20	-	20	200	80	14.5	32
5.6 mm (22) FLOBERT Á BALLE	V355417	18	1.15	Coppered Lead	CuZn 10	260	-	39	-	20	100	80	15	33
6 mm ME FLOBERT COURT	V355427	16	1.05	Lead	CuZn 10	250	-	33	-	20	100	80	14	31
6 mm FLOBERT BLANC	V352007	-	-	-	-	-	-	-	-	-	100	150	7.5	16.5

# COMPONENTS

## BULLETS FOR PISTOL AND REVOLVER CARTRIDGES

Product No:	Recommended for	Type	Weight		Caliber	Diameter		Pcs per box	Boxes per case	Weight per case	
			grs	g		kg	lb				
V319022	6.35 Browning	FMJ	50	3.3	6.35	6.38	.251	100	60	21.0	46.5
V319622	7.62x25 Tokarev	FMJ	85	5.5	7.62	7.83	.308	100	20	12.0	26.5
V319072	7.65 Browning	FMJ	73	4.75	7.65	7.85	.309	100	20	11.0	24
V319472	32 S&W Long	WC	100	6.5	32	8	.314	100	20	13.5	30
V319482		LRN	100	6.5	32	8	.314	100	20	13.5	30
V319122	9 mm Browning Court	FMJ	92	6	9	9.04	.355	100	20	12.5	27.5
V319802	9 mm Luger	TFMJ	115	7.5	9	9.03	.355	100	20	16.0	35.5
V319172	9 mm Luger, 9x21	FMJ	115	7.5	9	9.03	.355	100	20	16.0	35.5
V319842		TFMJ	124	8	9	9.03	.355	100	20	17.0	37.5
V319222		FMJ	124	8	9	9.03	.355	100	20	17.0	37.5
V319422	9 mm Luger	JHP	115	7.5	9	9.03	.355	100	20	16.0	35.5
V319932		SP	100	6.5	9	9.03	.355	100	20	14.0	31
V319272	9 mm Luger, 9x21	SP	124	8	9	9.03	.355	100	20	17.0	37.5
V318372		LRN	124	8	9	9.03	.355	100	20	17.0	37.5
V319322		9 mm Luger Subsonic, 357 SIG	FMJ	140	9	9	9.03	.355	100	20	19.0
V319372	9 mm Makarov	FMJ	95	6.1	9	9.27	.363	100	20	13.0	29
V318892	38 Special	TFMJ	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318622		FMJ	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318672		SP	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318522		LRN	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318572		WC	148	9.6	38	9.12	.357	100	20	20.5	45
V318922		TFMJ	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318722	357 Magnum	FMJ	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318772		SP	158	10.25	38	9.12	.357	100	20	21.5	47.5
V318952		TFMJ	180	11.7	40	10.17	.400	100	20	24.5	54
V318822	40 S&W	FMJ	180	11.7	40	10.17	.400	100	20	24.5	54
V319522		44 Rem.Mag.	SP	240	15.55	44	10.97	.430	100	15	24.0
V318872	45 Auto, 45 G.A.P.	FMJ	230	14.9	45	11.48	.452	100	15	23.5	52

Weight per case can fluctuate.



## CENTERFIRE CAPS

	Product No.	Energy level	Color marking	Pressure (MPa)	Energy (J)	Pcs per box	Boxes per case	Weight btto	
								kg	lb
9x20 (9 mm JAT)	V351222	2	red	-	360	50	80	20.0	44
380 R BLANC (380 START)	V350052	-	-	max. 25	-	50	80	21.0	46
9 mm PA BLANC	V311372	-	-	max. 40	-	50	30	7.5	16.5

## NAIL-CARTRIDGES

	Product No.	Energy level	Color marking	Energy (J)	Pcs per box	Boxes per case	Weight per case	
							kg	lb
CAL 5.6/16	V353017	1	green	140	100	150	17	37.5
	V353027	2	yellow	230	100	150	18	40
	V353037	3	red	320	100	150	18.6	41
	V353047	4	black	400	100	150	19.6	44

*Sellier & Bellot* 

## BULLETS FOR RIFLE CARTRIDGES

Product No:	Bullet no:	Type	Weight		Caliber	Diameter		Pcs per box	Boxes per case	Weight per case	
			grs	g						kg	lb
			V338022	2901		FMJ	45			2.9	22
V338072	2911	SP	45	2.9	22	5.70	.224	100	60	18.5	41
V338122	2902	FMJ	50	3.24	222	5.70	.224	100	60	20.5	45.5
V338172	2913	SP	50	3.24	222	5.70	.224	100	60	20.5	45.5
V338222	2903	FMJ	55	3.6	223	5.70	.224	100	60	22.5	49.5
V338272	2914	SP	55	3.6	223	5.70	.224	100	20	9.0	20
V338322	2904	FMJ	70	4.6	5.6	5.79	.228	100	20	10.0	22
V338372	2915	SP	70	4.6	5.6	5.79	.228	100	20	10.0	22
V338422	2921	SP	100	6.5	243	6.17	.243	100	20	13.5	30
V338472	2925	SP	117	7.6	6.5	6.58	.257	100	20	16.0	35.5
V339622	2905	FMJ	140	9.1	6.5	6.70	.264	100	20	19.0	42
V338522	2923	SP	131	8.5	6.5	6.70	.264	100	20	18.0	39.5
V338572	2928	SP	140	9.1	6.5	6.70	.264	100	20	19.0	42
V338622	2927	SP	150	9.7	270	7.06	.277	100	20	20.5	45.5
V339972	2955	FMJ	140	9.1	7	7.25	.284	100	20	19.0	42
V338672	2931	SP	140	9.1	7	7.25	.284	100	20	19.0	42
V338722	2932	SPCE	173	11.2	7	7.25	.284	100	20	23.5	52
V338922	2908	FMJ	147	9.55	30	7.85	.308	100	20	20.0	44
V339582	2934	SP	150	9.7	30	7.85	.308	100	20	20.0	44
V338972	2936	SPCE	150	9.7	30	7.85	.308	100	20	20.5	45.5
V339022	2957	FMJ	180	11.7	30	7.85	.308	100	20	24.5	54
V339072	2937	SP	180	11.7	30	7.85	.308	100	20	24.5	54
V339722	2935	SPCE	180	11.7	30	7.85	.308	100	20	24.5	54
V339802	2960	FMJ	110	7.1	30	7.85	.308	100	20	15.5	34
V339922	2907	FMJ	124	8	7.62	7.92	.311	100	20	17.0	37.5
V338822	2909	FMJ	180	11.7	7.62*	7.92	.311	100	20	24.5	54
V339292	2943	SP	124	8	7.62	7.92	.311	100	20	17.0	37.5
V338872	2939	SP	150	9.7	7.62*	7.92	.311	100	20	20.5	45.5
V339772	2940	SP	180	11.7	7.62*	7.92	.311	100	20	24.5	54
V339322	2941	SP	196	12.7	8	8.09	.318	100	20	26.5	58.5
V339372	2910	FMJ	196	12.7	8	8.22	.323	100	20	26.5	58.5
V339422	2945	SPCE	196	12.7	8	8.22	.323	100	20	26.5	58.5
V339522	2951	SP	193	12.5	9.3	9.30	.366	100	20	26.0	57.5
V339572	2952	SP	285	18.5	9.3	9.30	.366	50	20	19.5	43

\* Suitable for 303 British caliber Weight per case can fluctuate.



## UNPRIMERED RIFLE CARTRIDGE CASES

Product No:	For cartridge	Pcs per bag	Bags per case	Weight per case	
				kg	lb
V337002	22 Hornet	20	35	3.5	8
V337962	22-250 Rem.	20	35	8	17.5
V337032	222 Rem.	20	35	5	11
V337062	223 Rem.	20	35	5.5	12
V337092	5.6x50 R Magnum	20	35	6.5	14.5
V337122	5.6x52 R	20	35	7.5	16.5
V337152	243 Win.	20	25	6	13.5
V337182	6.5x52 R	20	35	7.5	16.5
V337212	6.5x55 SE	20	25	7	15.5
V337242	6.5x57	20	25	6.5	14.5
V337272	6.5x57 R	20	25	6.5	14.5
V337302	270 Win.	20	25	7.5	16.5
V337332	7x57	20	25	6.5	14.5
V337362	7x57R	20	25	6.5	14.5
V337392	7x64	20	25	7	15.5
V337422	7x65R	20	25	6.5	14.5
V337812	30 Carbine	20	35	4.5	10
V337452	303 British	20	25	7	15.5
V337932	30-30 Win.	20	35	7	15.5
V337482	308 Win.	20	25	6.5	14.5
V337782	300 Win. Mag.	20	25	9	20
V337542	7.62x39	20	35	6	13.5
V337752	7.62x54 R	20	25	6	13.5
V337512	30-06 Springfield	20	25	7	15.5
V337572	8x57 JR	20	25	6.5	14.5
V337602	8x57 JS	20	25	7	15.5
V337632	8x57 JRS	20	25	7	15.5
V337662	8x64 S	20	25	7	15.5
V337862	9.3x62	20	25	7	15.5
V337692	9.3x72 R	20	25	7	15.5
V337722	9.3x74 R	20	25	7.5	16

Weight per case can fluctuate.

## UNPRIMERED PISTOL AND REVOLVER CASES

Product No:	For cartridge	Pcs per bag	Bags per case	Weight per case	
				kg	lb
V316052	7.62x25 Tokarev	50	50	13	29
V316102	7.65 Browning	50	50	7	15.5
V316532	32 S&W Long	50	40	7	15.5
V316152	9 mm Browning Court	50	40	7.5	16.5
V316202	9 mm Luger	50	40	9	20
V316252	9x21	50	40	9.5	21
V316952	357 SIG	50	30	7.5	16.5
V316302	9 mm Makarov	50	40	8	18
V316352	38 Special	50	30	7.5	16.5
V316402	357 Magnum	50	30	8	18
V316452	40 S&W	50	30	8	18
V316602	44 Rem. Mag.	50	30	12	26.5
V316502	45 Auto	50	30	9.5	21

Weight per case can fluctuate.

## CAPS

Product No:	Type of primer	Used for	Pcs per grating	Gratings per box	Boxes per case	Weight per case	
						kg	lb
V360157	Small Pistol 4.4 Boxer	Pistol and revolver cartridges 9 mm Luger, 38 Special, 7.65 Browning, 40 S&W, 357 SIG	100	10	33	14.3	31.5
V360247	Small Pistol Magnum 4.4 Boxer	22 Hornet, 222 Rem., 5.6x50 R Mag., 357 Mag.	100	10	33	15.5	34.0
V360587	Small Rifle 4.4 Boxer	223 Rem.	100	10	33	15.0	33.0
V361607	Large Pistol 5.3 Boxer	44 Rem. Mag., 45 Auto, 45 GAP, 45 COLT	100	10	33	17.5	38.5
V361617	Large Rifle 5.3 Boxer	Rifle cartridges 5.6x52 R, 460 S&V MAG. and cal. 6.5 to 9.3 mm	100	10	33	18.4	40.5

## PERCUSSION CAPS

Product No:	Type of primer	Used for	Pcs per box	Boxes per case	Weight per case	
					kg	lb
V360002	PRIMER CAP 4.0	Percussion weapons	100	132	3.5	8.0
V360012	PRIMER CAP 4.7	Percussion weapons	100	132	4.0	9.0



Group:



Sellier & Bellot



Sellier & Bellot

Lidická 667, 258 01 Vlašim, Czech Republic / Phone: +420 317 891 111 / Fax: +420 317 892 489

E-mail: info@sellier-bellot.cz / www.sellier-bellot.cz



# Cartridge boards

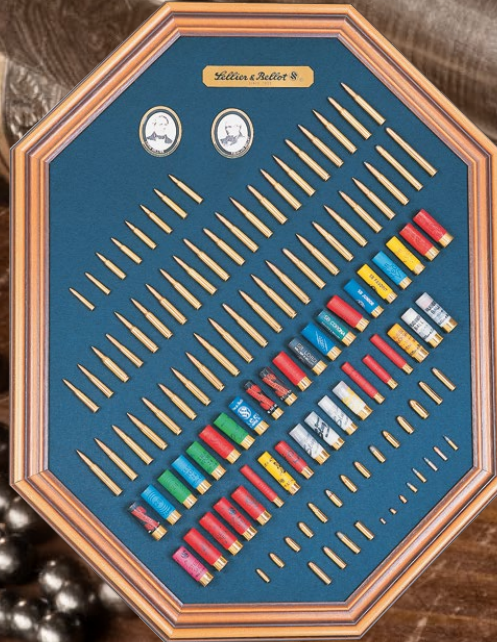
Rifle board  
V395100



Shotgun board  
V395110



Grand board  
V395150



Mix board  
V395130



Pistol board  
V395120



Clock  
V395160







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