



**sako**  
CARTRIDGES



## BUILDING ON A RICH LEGACY

*We have a passion for what we do and the history to prove it. Sako is an acclaimed manufacturer of high-quality firearms and cartridges. The company was founded in 1921, and we started manufacturing rifle cartridges in 1928. The key ingredients for our lasting success both now and in the future are our main principles of accuracy, reliability and honesty. For us the best possible product is born out of a respect for the game.*

We believe that technology is only half of the story as we continue to value the attention to detail that hand manufacturing entails to this day. A panel of experts still takes part in the production of our every product. We utilize modern computer-aided R&D and CNC manufacturing methods, yet we take pride in carrying out the final critical steps by ourselves. We inspect each individual brass case by hand for quality assurance purposes. Over one million cartridges are meticulously tested each year. All Sako cartridges comply with C.I.P requirements.

At the turn of the millennium, Sako was honored to become a member of the Beretta Group, which gave access to new and advanced production methods that enables us to continuously refine our product development process.

All Sako cases and bullets are suited for reloading and, with their sturdy quality, are said to outlast the competition. We offer 32 different calibers with more than 100 different loads.

Making world-class cartridges is a matter of pride for Sako. Our mission remains to offer our customers the very best in accuracy and performance.



## UNCOMPROMISED ACCURACY

*Making cartridges is a matter of pride as much as it is about offering you, the shooter, the best possible product performance.*

01

### DEMAND PERFECTION

Making rifles and cartridges is a matter of pride as much as it is about offering hunting enthusiasts the best combined cartridge and rifle performance on the market. It's not very often that the same production plant manufactures both rifles and cartridges. Since 1921, Sako has developed the world's most accurate rifles and cartridges, using the latest technology as well as traditional gunsmith craftsmanship.





02

## UNRIVALED ACCURACY AND CONSISTENT PERFORMANCE

All Sako and Tikka rifles are tested to guarantee 1 MOA accuracy – straight out of the box. All tests are carried out with Sako's high-quality ammunition. Our products are continuously tested for Sako's high standards on accuracy, performance, stopping power and reliability.

Sako cartridges are certified:

### ISO 14001:2004

Environmental management systems

### ISO 9001:2008

Quality management systems

### AQAP 2110

Nato quality assurance requirements for design, development and production



**SHOT M.O.A**  
*Guaranteed*



03

## PRECISION LOADED WITH ONLY THE BEST QUALITY COMPONENTS

Every bullet and case is individually inspected, the deviation of the highest quality single-base powder charge is minimized and the ignition time of the primers remains constant, providing quality that exceeds the precision of hand loading.



## OTHER BRANDS

**sako**  
CARTRIDGES

04

### INDUSTRY-LEADING RELOADABILITY

Due to a proprietary heat treatment method, as well as zero impurities of the case material, our cartridges have the industry's highest reloadability and pressure resistance, maximizing the lifespan and safety of any rifle.

*Picture: Depicted on the top is the average metallurgic microstructure of other high quality brass. Depicted on the bottom is the small-diameter grain structure of Sako brass.*

05

### STOPPING POWER

All hunting loads and bullets are developed at the Sako ballistics laboratory. They are tested during real big game hunts for optimal weight retention and double-diameter mushrooming for maximum impact.

*Picture: Sako Hammerhead is a bonded soft-point bullet. It is depicted before and after mushrooming in tissue.*







## RESPECT THE GAME

*We at Sako have a passion for hunting. We firmly believe that it is a truly unique sport, and as such we want to provide you with the perfect cartridge for each situation. Our history started from hand-manufactured firearms and even though high technology has since been introduced we strive to maintain that same level of uncompromising craftsmanship.*

A cartridge is never simply a cartridge. It's an essential part of each hunt, the enabler of each shot. It's something that puts you in charge of the situation. Choosing the correct tool for the task makes all the difference in the world.

To make the selection process easier for you, Sako is now introducing a system of categorization for our high-quality cartridges. Bonded or un-bonded? Rapid or controlled expansion? Our color-coded model let's you know the basics at a glance, so that you never have to struggle with wrong cartridges ever again.

Choosing the right cartridge is no small thing. It's all about respecting your rifle, the nature and the animal you are hunting. With us you're entitled to demand perfection.



# SAKO CARTRIDGES – UNRIVALED ACCURACY AND CONSISTENT PERFORMANCE

*When it comes to cartridges, we at Sako never settle for the second best. Our legacy in accuracy and performance has proven this time and time again. We employ the latest technology as well as traditional gunsmith know-how to bring you the best cartridges money can buy. Familiarize yourself with our different product series and pick the right alternative for your rifle and shooting purpose.*

## **RAPID EXPANSION SERIES**

Maximized stopping power for small game. Non-bonded core and a lighter jacket. Mainly used for varmint and trophy hunting.



## **CONTROLLED EXPANSION SERIES**

Optimized stopping power and good durability against bone. Bonded core and a thicker jacket. Mainly used for hunting medium and big game.



## **MONOLITHIC SERIES**

Non-lead cartridges with high penetration capabilities and good durability. Maximal weight retention. Mainly used for big game hunting.



## **TARGET SERIES**

Precision performance and optimal aerodynamics. Higher shooting velocity, less bullet drop and wind drift.





## NEW 2018 – TRG CARTRIDGES

Sako Cartridges introduces a new precision cartridge line for shooters seeking ultimate precision and the ballistic performance of a factory round. TRG Precision cartridge manufacturing follows the stringent Sako quality standards, which involves an all-new accuracy testing process.

6.5 Creedmoor, Lapua Scenar-L 8.8g / 136gr | .260 Rem., Lapua Scenar-L 8.8g / 136gr | 308 Win., Lapua Scenar-L 11.3g / 175gr | 300 Win Mag., Lapua Scenar-L 11.3g / 175gr | .338 Lapua Magnum., Sierra Matchking 19.4g / 300gr



## NEW 2018 – 6.5 CREEDMOOR

Originally designed for long range target shooting, the 6.5 **Creedmoor** has proven its potential as a superbly effective hunting caliber. **TRG Precision** 8,8g (136 gr) offers ultimate accuracy for long range shooters. **Deerhead** is a very effective bullet for hunting deer, moose and wild boar at short to medium distances. The lead-free 7,7 g (120 gr) **Powerhead II** bullet offers outstanding performance for long range hunting.



## SAKO GAMEHEAD

Spitzer-nosed soft-point bullet for accurate hits on smaller targets. Light jacket and non-bonded core allows rapid and effective expansion required for small to medium sized game and varmints. It is an excellent all-purpose hunting bullet for small to medium-sized game.



## SAKO HAMMERHEAD

A heavy jacketed and soft-point bullet with a bonded core. The bullet shape and construction are especially designed to prevent core separation and provide controlled mushrooming with excellent stopping power. The bullet is very effective for big game hunting at short and medium distances.



## SAKO SUPER HAMMERHEAD

A heavy jacketed, strong and non-fragmenting bullet that ensures controlled expansion. A bonded core provides high weight retention, which results in effective penetration. It is boat-tailed for high ballistic efficiency, which causes a flatter trajectory. It was developed and tested by Sako ballistic laboratories first, followed by actual extensive big game hunting tests.



## SAKO DEERHEAD

A heavy jacketed bonded core soft-point bullet excellent for deer species such as white-tailed, red stag and moose. Bonded core controls mushrooming preventing bullet separation and minimizing meat loss.



## POWERHEAD COPPER BULLETS

*Sako Powerhead is our 100% copper bullet product line. All-copper Powerhead bullets provide deeper penetration together with rapid expansion and near 100% weight retention. These properties combined with high-quality propellant and Sako quality brass make it the optimal solution for even the most demanding hunting purposes.*

### ■ SAKO POWERHEAD

The Sako Powerhead (Barnes TSX®) is an expanding hunting bullet with an extremely high weight retention and excellent penetration. Thanks to its traditional all-copper composition, it maintains a weight retention of more than 99% upon impact leaving virtually no residues in the meat. Powerhead I is the perfect lead-free choice for short distance big game hunting.



### ■ SAKO POWERHEAD II

The Sako Powerhead II (Barnes Tipped TSX®) has a polymer tip and a re-engineered nose cavity to provide an even faster expansion when compared to the original Powerhead (TSX®). The polymer tip initiates rapid expansion and improves ballistics at longer distances making it ideal for long range lead-free hunting.



### ■ SAKO DANGEROUS GAME SOLID

A strong, flat-nosed, solid brass bullet that is non-toxic and contains no lead. Its power grooves are especially designed for less friction, preventing the barrel from wearing out. The bullet deeply penetrates tissue without expanding. The DS-Solid is a reliable dangerous-game bullet for special hunting situations.



### ■ SAKO SPEEDHEAD FMJ

A full-metal jacket bullet that delivers ultimate accuracy for target shooting and small game hunting. It provides minimal pelt and meat damage on furred game or birds.



### ■ TRG PRECISION

Match-grade, hollow-point boat tail bullet developed solely for competition and precision long-range shooting. All components are carefully selected for ultimate consistency and extreme accuracy.







## MAKE YOUR SHOT COUNT

*Hunting is a widely diverse sport, hobby and a way of life that is strongly affected by terrain, climate, country and tradition. Sako's rich Nordic heritage gives us the edge in answering the needs of hunters worldwide. Next we'll cover some of the most common examples of game and the cartridges we suggest for them.*





## TRADITIONAL HUNTING

Traditional hunting makes you feel one with nature. Your personal pride and ambition is met by a closeness to nature and its beauty. Sako traditional hunting cartridges are both reliable and high performing. They have the expansion of a traditional soft-point bullet and the long range performance of a spitzer or semi-spitzer-shaped bullet. Match them with a Sako or Tikka rifle and they are all you need for small to big game hunting.

Sako Hammerhead, Super Hammerhead and Gamehead are well suited for traditional hunting purposes. Further information on recommended calibers and cartridges is listed in the main caliber chart, found in the back of the catalogue.

## SCANDINAVIAN BIRD HUNTING

In 1946, Sako launched the legendary 7x33 Sako caliber Scandinavian bird hunting. This particular caliber is still in use to this day as Sako continues to create the famous 5.1 g full metal jacket (FMJ) and round-nose bullet, especially designed for bird hunting.

Passionate bird hunters who have traveled the world in pursuit of extraordinary hunting experiences will find Scandinavian Capercaillie and Black Grouse hunts in a class of their own. Unlike traditional pheasant, partridge or duck hunting, bird hunting in Finland, Sweden or Norway is a once-in-a-lifetime trophy hunt.

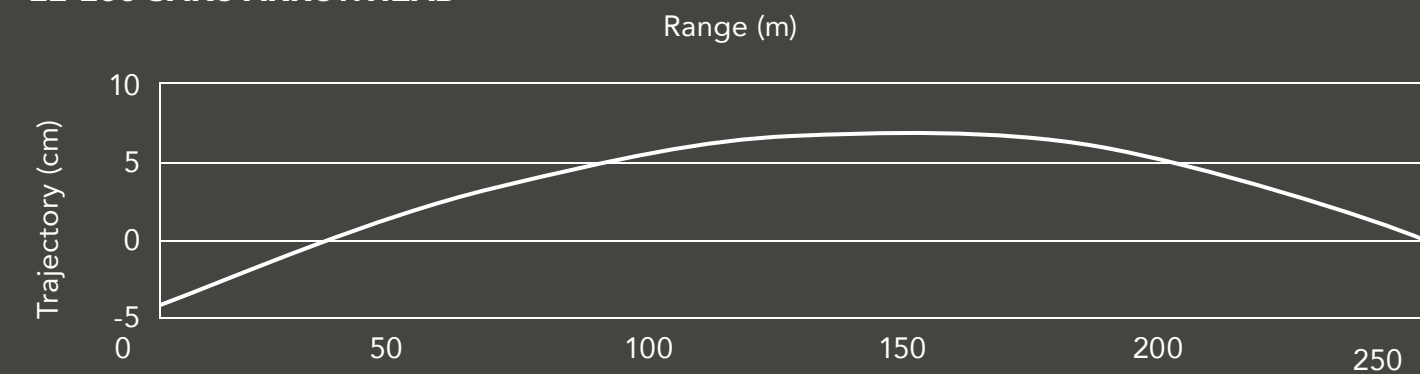


# VARMINT HUNTING

Varmint hunting demands speedy reactions and ultimately, effective cartridges. Sako Varmint hunting cartridges are as effective as it gets. Polymer-tipped bullets deliver on both accuracy and fragmentation, ensuring optimal performance. Pair them with a heavy-barreled rifle, and you are ready for the hunt. This pastime protects crops and livestock from getting eaten by pest mammals, such as badgers, prairie dogs, marmots, coyotes and ground squirrels.

CARTRIDGE	BULLET WEIGHT		BULLET TYPE	VELOCITY (M/S)
	GRAMS	GRAIN		
222 Rem	3.2	50	Arrowhead	965
222 Rem	3.2	50	Arrowhead	980
22-250 Rem	3.2	50	Arrowhead	1145

## 22-250 SAKO ARROWHEAD







## LONG RANGE HUNTING

Long range hunting requires precision, reliability and responsibility. This type of hunting entails greater distances between the shooter and his target, and demands good judgment along with responsible conduct. Only rifles and cartridges specifically designed for long range hunting, such as Sako 85 Long Range rifle, should be used in order to get the accuracy and precision needed for this particular type of hunting.

CARTRIDGE	BULLET WEIGHT		BULLET TYPE
	GRAMS	GRAIN	
7x64	9.7	150	Arrowhead II
7 mm Rem Mag	9.7	150	Arrowhead II
308 Win	9.7	150	Super Hammerhead
308 Win	11.7	180	Arrowhead II
30-06 Sprg	9.7	150	Super Hammerhead
30-06 Sprg	11.7	180	Arrowhead II
300 WSM	11.7	180	Arrowhead II
300 Win Mag	9.7	150	Super Hammerhead
300 Win Mag	11.7	180	Arrowhead II



## TRAINING AMMUNITION

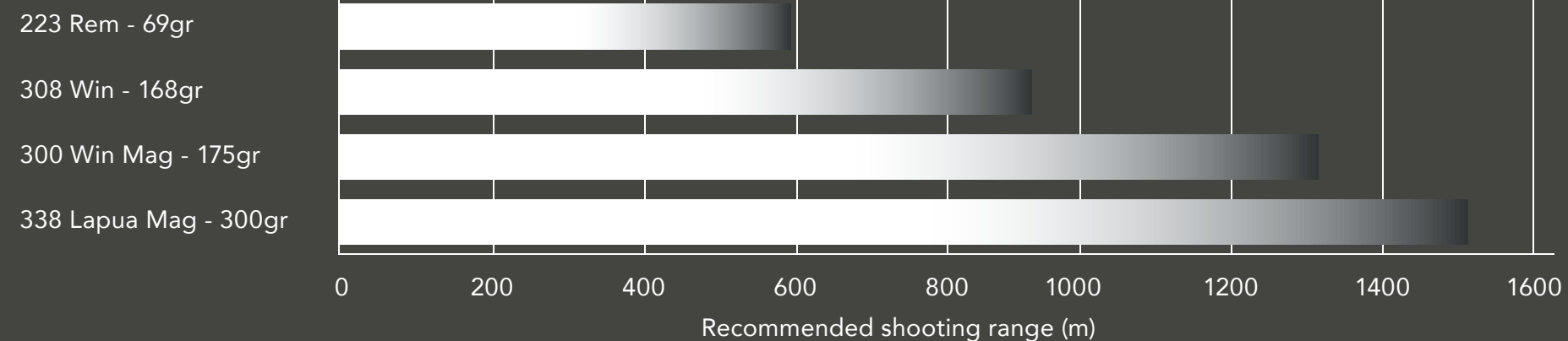
CALIBER	BULLET TYPE	BULLET WEIGHT	
		GRAMS	GRAIN
222 Rem	Speedhead/Range, FMJ*	3.2	50
223 Rem	Speedhead/Range, FMJ*	3.2	50
6.5 Creedmoor	Speedhead/Range, FMJ*	9.3	144
260 Rem	Speedhead/Range, FMJ*	6.5	100
6.5x55 SE	Speedhead/Range, FMJ*	6.5	100
308 Win	Speedhead/Range, FMJ*	8.0	123
7.62x53R	Speedhead/Range, FMJ*	8.0	123
30-06 Sprg	Speedhead/Range, FMJ*	8.0	123
9.3x62	Speedhead/Range, FMJ*	15	231
9.2x66 Sako	Speedhead/Range, FMJ*	15	231

\* FMJ = Full Metal Jacket

## TARGET SHOOTING

CALIBER	BULLET TYPE	BULLET WEIGHT	
		GRAMS	GRAIN
222 Rem	Racehead, HPBT*	3.4	52
223 Rem	Racehead, HPBT*	4.5	69
6mm PPC-USA	Racehead, HPBT*	4.5	70
6.5 Creedmoor	TRG Precision, HPBT*	8.8	136
260 Rem	TRG Precision, HPBT*	8.8	136
6.5x55 SE	Racehead, HPBT*	9.0	142
308 Win	Racehead, HPBT*	10.9	168
308 Win	TRG Precision, HPBT*	11.3	175
300 Win Mag	TRG Precision, HPBT*	11.3	175
338 Lapua Mag	TRG Precision, HPBT*	19.4	300

\* HPBT = Hollow-point Boat Tail



## TRAINING

When it comes to training, the best way to build your confidence in field accuracy is to practice. The good news is that you can improve your shooting skills without spending too much money. If you are looking for high-quality cartridges and long-lasting cases, our Sako range competition and training cartridges will serve you well. They are available in most popular calibers and can be purchased in larger quantities at affordable prices. Pair them with our Tikka T3x Sporter for everything a serious shooter could wish for.

Traditional full metal jacket (FMJ) training cartridges are designed for limited range training. Training cartridges are designed to operate both on bolt-action and semi-auto rifles. These cartridges have excellent accuracy in well-manufactured firearms. Sako range cartridges are available in value packs of 50 or 100 pcs per box.

## 338 LAPUA MAGNUM

Sako proudly presents 338 Lapua Magnum ammunition. Sako has manufactured 338 Lapua Mag caliber rifles for years and is now introducing specially-made ammunition to match its TRG 338 Lapua Mag rifles. The 338 Lapua Mag ammunition is loaded with 300 grain Sierra MatchKing bullets to guarantee better than 1 MOA accuracy for extremely long distances.



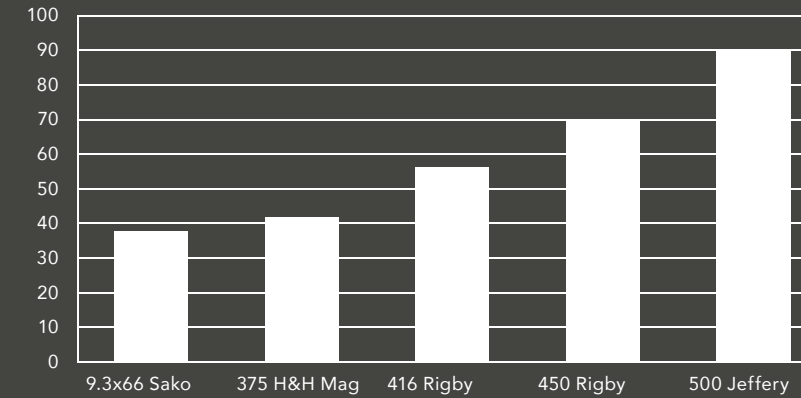


# PREMIUM HUNTING

Sako has been manufacturing hunting cartridges since 1928. In 2011, we introduced Sako 85 Safari XL calibers. Our Limited Edition premium Sako 85 Safari rifles are handmade by master gunsmiths and call for nothing less than real Safari calibers: 500 Jeffrey, 450 Rigby, 416 Rigby, 375 H & H Mag, 9.3x66 Sako.

Big game safari is not an everyday sport, but a special adventure. Make it an unforgettable event with once-in-a-lifetime results using the best equipment possible: Sako 85 Safari rifles and Sako Safari cartridges.

## TAYLOR KNOCK OUT FACTOR



CARTRIDGE	BULLET WEIGHT		BULLET TYPE	VELOCITY		S.D	K.O
	GRAMS	GRAIN		M/S	FPS		
9.3x66 Sako	18.5	286	Hammerhead	765	2510	.305	38
375 H&H Mag	19.4	300	Twinhead II	770	2526	.305	41
416 Rigby	25.9	400	Twinhead II	725	2378	.330	57
450 Rigby	29.2	450	Twinhead II	725	2378	.307	70
500 Jeffery	34.7	535	Twinhead II	710	2330	.292	91





Main table with columns: CALIBER, BULLET (Code, NAME), VELOCITY (m/s), ENERGY (Joules), and TRAJECTORY (cm/m). Contains numerous rows of ammunition specifications.

S HAMMERHEAD = SPBT Bonded core

TWINHEAD II = Swift A-Frame

GAMEHEAD = Soft point

BT = Boat tail

HAMMERHEAD = SP Bonded core

ARROWHEAD = Nosler Ballistic Tip®

SUPER RANGE = Hollow point BT

DS SOLID = Dangerous Game Solid

POWERHEAD II = Barnes TSX®

ARROWHEAD II = Swift Scirocco II®

RACEHEAD = Sierra MatchKing®

OTM = Open Tip Match

POWERHEAD II = Barnes TTSX®

SPEEDHEAD = Full metal jacket

DEERHEAD = SP Bonded core

SP = Soft point ■ Recommended use

Before hunting check the local caliber / bullet regulations to ensure you hunt with the appropriate cartridge.

Second main table with columns: CALIBER, BULLET (Code, NAME), VELOCITY (m/s), ENERGY (Joules), and TRAJECTORY (cm/m). Continues ammunition specifications.



GAME BIRDS



VARMINT AND SMALL GAME



LIGHT "BIG GAME", ROE DEER AND SMALL ANTELOPES



BIG GAME, DEER AND MID SIZED ANTELOPES



BIG GAME, MOOSE, ELAND, BEAR, LION ETC.



BIG GAME, WILD BOAR ETC.



BIG GAME, BEAR ETC.



HEAVIEST BIG GAME, CAPE BUFFALO ETC.



TARGET SHOOTING, COMPETITION

Sako Indoor Training Ammo table with columns: CALIBER, BULLET (Code, NAME), and Weight (g, grs, BC G1). Lists various training ammunition types.



**BULLETS**

BULLET	DESCRIPTON	WEIGHT		DIAMETER	QUANTITY PER BOX
		gr	g		
<b>5.7mm / .224</b>					
105G	Full metal jacket	50	3.2	5.68 - 5,70 mm	250
106G	Soft point	50	3.2	5.68 - 5,70 mm	100
110G	Soft point	55	3.6	568 - 5,70 mm	100
<b>6mm / .243</b>					
114E	Full metal jacket	90	5.8	6.15 - 6.17mm	100
112E	Soft point	90	5.8	6.15 - 6.17mm	100
<b>.270"</b>					
211B	Hammerhead	156	10.1	7.03 - 7.05mm	50
<b>7mm / .284</b>					
216B	Hammerhead	170	11.1	7.21 - 7.23 mm	50
108B	Full metal jacket	78	5.1	7.23 - 7.25 mm	250
109B	Soft point	78	5.1	7.23 - 7.25 mm	250
<b>7.62mm / .30</b>					
143A	Full metal jacket	123	8	7.83 - 7.85 mm	250
145A	Full metal jacket / cutting edge	123	8	7.83 - 7.85 mm	250
146A	Hollowpoint	102	6.6	7.83 - 7.85 mm	250
147A	Hollowpoint / cutting edge	102	6.6	7.83 - 7.85 mm	250
235A	Super Hammerhead	150	9.7	7.83 - 7.85 mm	50
136A	Sako OTM	175	11.3	7.83 - 7.85 mm	100
236A	Super Hammerhead	180	11.7	7.83 - 7.85 mm	50
256A	Hammerhead	180	11.7	7.83 - 7.85 mm	50
227A	Hammerhead	200	13.0	7.83 - 7.85 mm	50
228A	Hammerhead	220	14.3	7.83 - 7.85 mm	50
<b>.311 (7.62x39)</b>					
134A	Soft point	123	8	7.87 - 7.91mm	50
117A	Full metal jacket	123	8	7.87 - 7.91mm	250
<b>8mm / .323</b>					
201F	Hammerhead	200	13	8.20 - 8.22 mm	50
<b>.338</b>					
211F	Hammerhead	250	16.2	8.59 - 8.61 mm	50
<b>9.3mm</b>					
102D	Gamehead	256	16.6	9.26 - 9.28 mm	25
266D	Hammerhead	286	18.5	9.26 - 9.28 mm	25

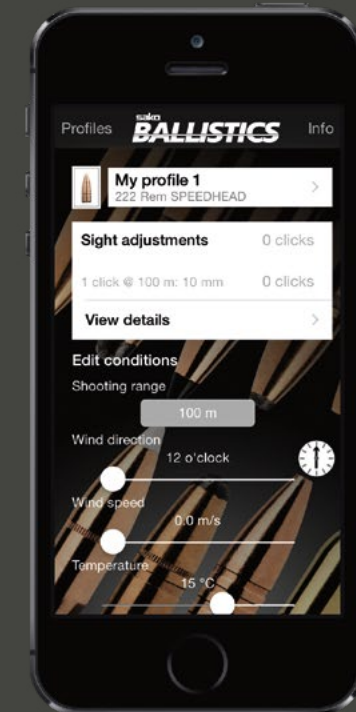
**CASES**

CALIBER	QUANTITY PER BOX
222 Rem	100
222 Rem Mag	100
223 Rem	100
22-250 Rem	100
243 Win	100
25-06 Rem	100
6.5 Creedmoor	100
260 Rem	100
6.5x55 SE	100
270 Win	50
7x33	100
7mm-08	100
7 x 64	100
7 x 65R	100
7 mm Rem Mag	50
7.62 x 39	100
300 BLK	100
308 Win	100
7.62 x 53R	100
30-06 Sprg	100
300 Win Mag	50
300 WSM	50
8.2 x 53R	100
8 x 57JS	100
8 x 57JRS	100
338 Fed	100
338 Win Mag	50
9.3 x 53R Finnish	50
9.3 x 62	50
9.3 x 66 Sako	50
9.3 x 74R	50
375 H&H Mag	50



# SAKO BALLISTICS

*The Sako Mobile Ballistics App is an easy-to-use ballistic calculator that allows hunters and long-range shooters to identify the right cartridge for the given purpose.*

The application stores data on all of Sako's cartridges, and you can create your own profile for your rifle and ammunition combo. The software is free of charge and provides you with product pictures as well as specifications in order to help you find your match. Download it from the App Store or Google Play, and create your own profile. An internet-based desktop version can be found at [bullet.sako.fi](http://bullet.sako.fi).



## SOFTWARE FEATURES

-  Different user profiles
-  Bullet review
-  Temperature compensation
-  Create custom cartridges
-  Various scope clicks
-  Air pressure compensation
-  Metric and imperial units
-  Variable zeroing range
-  Uphill and downhill compensation



**sako**  
CARTRIDGES

*Respect the Game*

*A Beretta Group Company*

*Sako Limited*

*P.o.box 149*

*Fi-11101 Riihimäki*

*Finland*

*[www.sako.fi](http://www.sako.fi)*

**2018**

All weight values in this catalogue are approximations and may vary from indicated due to stock material density, caliber and environmental conditions.

All rights reserved.