



sako
FINLAND

2012



Sako has come a long way since it was founded in the early 1920's. Today our design department is fully computerized and production uses the latest, state of the art, CNC machining. Some things have not changed; we still inspect each barrel visually and then shoot them manually for proving and accuracy. All of our rifles comply with C.I.P & SAAMI requirements and our production is ISO 9001:2008 certified.

In the turn of the millennium, Sako became an honored member of the Beretta Group. This allowed us access to new and refined production methods, which in turn enabled us to intensify our product development.

The Sako model 85 was developed, based on the vast experience gained from the success of its predecessors. Our Sako 85 rifles have the worlds most advanced turnbolt action in 6 different action sizes. For the hunter this means tailor made and purpose built rifles in each selected caliber.

Further, the model A7 was developed to give hunters access to a medium priced Sako rifle. Not sacrificing first class workmanship or accuracy, but by optimizing the available action sizes and parts. We also developed the Sako Quad, the world's first rimfire bolt-action rifle with interchangeable barrels in 4 calibers. The all-in-one rimfire package, for serious small game hunters and varminters.

Sako also produces the well-known Tikka T3 rifle series. Aimed at the entry-level hunter, but also loaded with the expected Sako quality and performance, its model range is so extensive that it is presented in its own catalogue.

We are also a highly regarded manufacturer of military and law enforcement rifles. Our TRG models 22 and 42 and the Tikka TAC are in active service duty all around the world.

In addition to rifles, Sako also produces centerfire cartridges. We make 90 different loads in 33 popular calibers, for all hunting and target purposes.

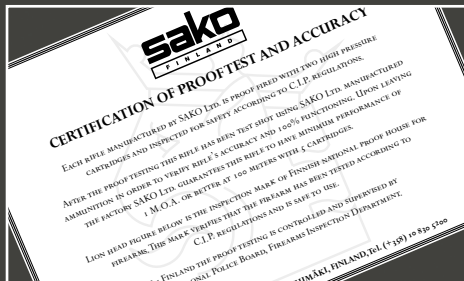
Making both rifles and cartridges is a matter of pride for Sako – our mission is to offer our customers the best in fit and performance.



sako 85

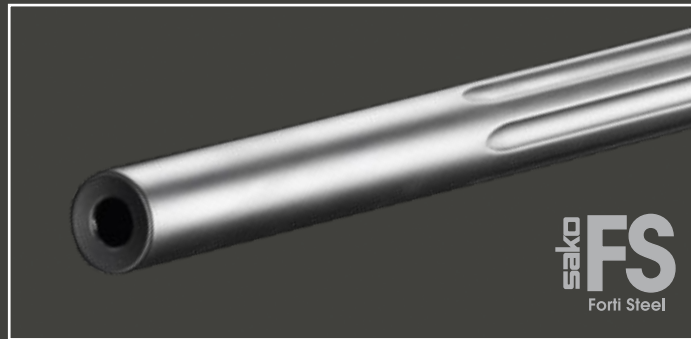
Custom is our standard

Sako 85 rifles have been built with demanding design criteria, based on tradition and innovation, allowing riflemen to choose a model that will perfectly fit different tasks. The Sako 85 series offers different stock styles and barrel options. These options combined with a comprehensive caliber selection will give you the ultimate bolt action rifle. When you buy a Sako, you get a thoroughly tested quality rifle. Each rifle is shot at the factory to make sure it shoots, as a Sako should.



Certification of proof test and accuracy

We value our customers. To be absolutely sure of the performance of all Sako rifles, we test each individual rifle. We do not guess or believe - we test. Every rifle is delivered with the certification of proof test and accuracy.



Barrel

Most Sako 85 models have free-floating barrels, manufactured by the specialists at Sako. Barrel blanks are drilled, honed, cold-hammer forged, finished and finally individually inspected by the most complex and highly refined optical fine tuning instrument: the human eye. Twist rates are chosen for each caliber to optimize accuracy and bullet performance. Sako 85 barrels, blued or stainless, have a non-reflecting, satin-like surface, except for the Sako 85 Deluxe model that has a highly polished finish. Sako 85 stainless steel barrels are made from stainless steel fortified with a high chromium content for better weather resistance and durability of the bore.



Sights

Most of the Sako 85 models with blued barrel finish are offered with standard or optional adjustable iron sights. The front bead is adjustable in elevation and the rear blade in windage.



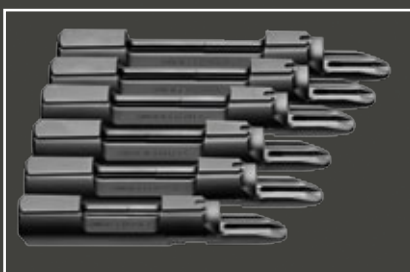
Extractor & Ejection

The Sako 85 has the famous extractor claw, made of durable heat treated special steel. When the bolt brings the case back, the mechanical ejector fork ejects the case out of the rifle. The ejector is in the bottom of the rear bridge, not on the bolt face.



Stock

The ergonomics of Sako 85 walnut and synthetic polymer stocks are optimized to guarantee the best shooting posture. Excellent balance and smooth bolt operation enables fast, straight and accurate operation.



Action

Sako 85 actions are available in 6 different sizes (CSA), providing reliable and optimized function to each caliber. All Sako 85 models feature controlled cartridge feed (RCS), to eliminate double feed or cartridge jams. The turnbolt handle places the hand in a natural position during bolt operation, which allows for very quick repeated firing.



Magazine

The staggered, two-row magazine of the Sako 85 is of stainless steel construction. The detachable magazine can also be loaded through the ejection port. The Total Control Latch (patent pending) of the Sako 85 prevents accidental magazine releases.



Trigger

The weight of pull of the single-stage Sako 85 trigger unit is adjustable from 1 to 2 kg (2 – 4 lbs). An optional single-set trigger is available for most Sako 85 models. An extremely durable, all steel trigger guard protects the trigger of all Sako 85 rifles (except for the model Finnlight, which has a lightweight hard anodized aluminium trigger guard).



Safety

The special 2-way Sako safety locks both the trigger and the bolt handle. The unique bolt release button of the Sako Safety System allows you to load or remove a cartridge from the chamber with the safety engaged.





sako
85

Bear Series

*The Black Bear, Brown Bear, Kodiak and Grizzly.
Purpose built weapons for bear & bruise hunters.
All four Bears feature adjustable special fast target
acquisition iron sights and detachable staggered
2-row steel magazine with TCL preventing
unintentional magazine release.
All can be top-loaded and have controlled cartridge
feed, adjustable single stage trigger and a barrel
band for front swivel plus mechanical case ejection.
They are also equipped with integral dovetail rails
for secure scope mounting.*



sako
85

Grizzly New for 2012

A novelty for 2012 – The Sako 85 Grizzly adds prestige to the Sako Bear Series. The elegant look and warm feel of the high-grade walnut stock combined with a medium weight 540mm (21 1/4") fluted barrel and blued action. Available in a variety of calibers in action sizes S and M.





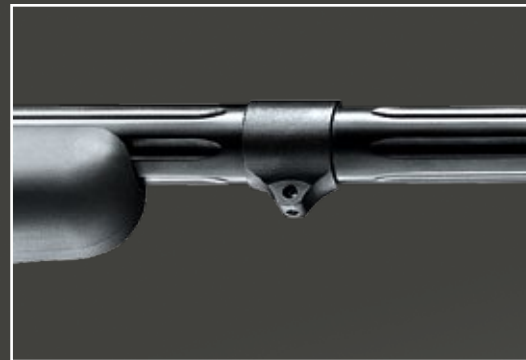
Sights and barrel

Fast target acquisition iron sights with whole rear sight line and bead. Fluted barrel with swivel band.

sako
85

Black Bear

This rifle has a semi heavy 510mm (20") fluted barrel, all black composite stock with soft gripping surfaces and blued action and barrel. The rifle is made in action sizes S (cal .308Win and .338 Federal, weight 3,1kg (6,13 / 16 lbs)) and M (cal 30-06 Sprg, 8x57JS, 9,3x62 and 9,3x66Sako (.370 SakoMag), weight 3,2kg (7 lbs)).



Barrel band

All Sako 85 Bear series rifles have barrel band sling swivels, for professional style handling and durability.

sako
85

Brown Bear

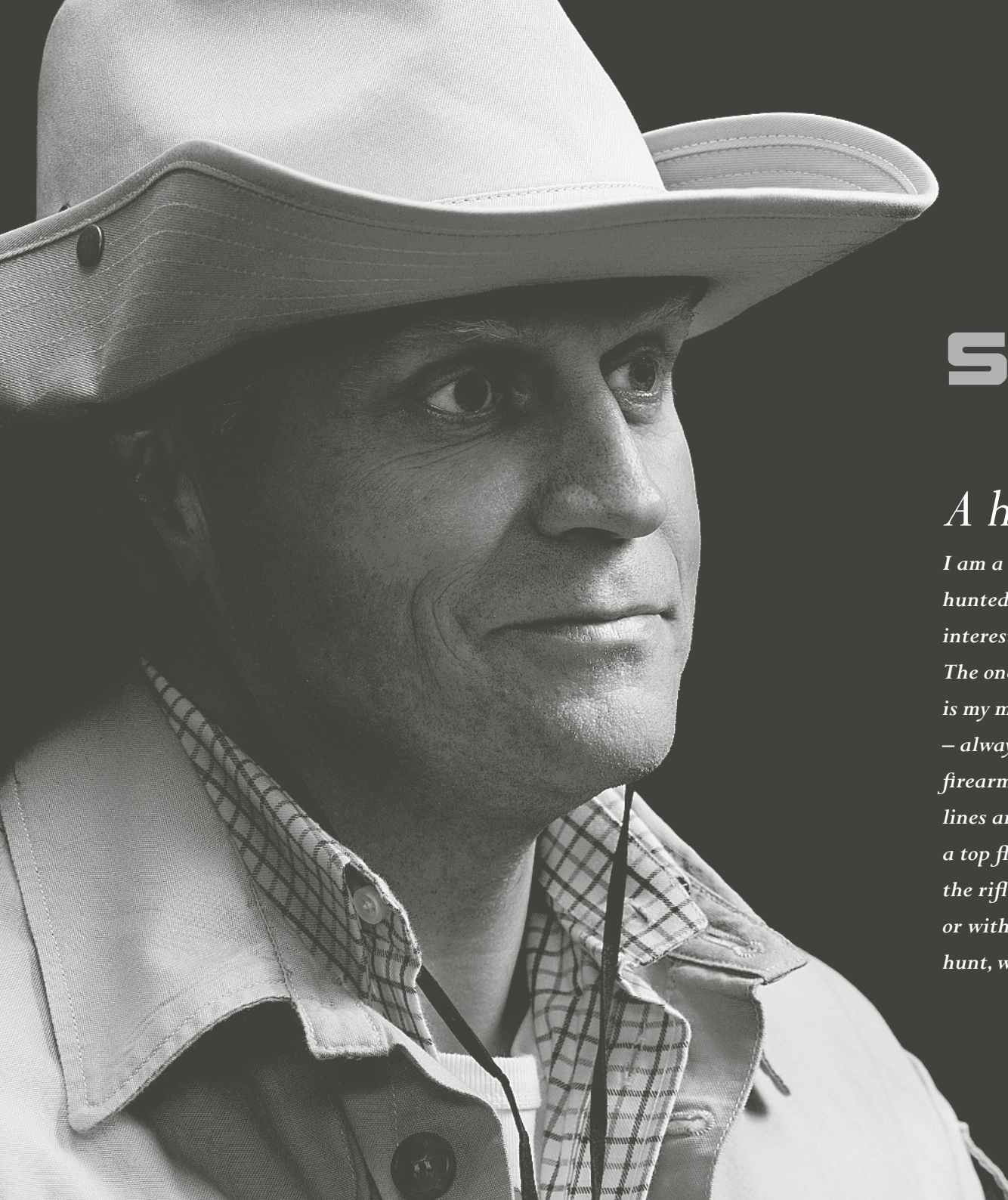
The Sako 85 Brown Bear in size L action in caliber 338Win. Mag and 375H&H Mag. was introduced in 2011. Brown laminated hardwood, straight classic stock, black action and 540mm long semi heavy barrel (21,1 / 4"). Excellent balance for good target acquisition. Weight 3,6kg (7,15 / 16 lbs).



Kodiak

The Sako Kodiak with 85 L action in 338Win. Mag and 375H&H Mag. was the first Bear to be introduced in 2010. Sako 85 Kodiak was designed with the true hunter in mind. The straight, weatherproof stock is made of grey laminated hardwood and reinforced with two cross-bolts. Short, free floating semi heavy barrel features adjustable open sights and band type front swivel. Barrel is cold hammer-forged by Sako, using high grade special alloy stainless steel. Bolt, receiver and detachable magazine are also made of stainless steel, to give long reliable service in severe weather conditions.





sako
85

A hunter's world

I am a hunter. I have been one for a long time. I have hunted with great teams, good friends and in so many interesting, magnificent places all over the world.

The one constant in all these outstanding experiences is my most important companion: my rifle. It's a Sako – always has been and always will be. To me, Sako firearms have always meant exceptional quality, fine lines and tradition. These features are what I look for in a top flight firearm. They provide the right feel and give the rifle credibility, whether hunting big game in Africa or with my own hunting crew at home. While out on the hunt, we are an inseparable pair – my rifle and me.



The name Sako on the pistolgrip end plate has become a symbol of all the things that are preferred by rifle hunters all over the world. Sako's accuracy, reliability and ergonomics are familiar to the users of these famous rifles made in Riihimäki, Finland. Quality does not just happen, it has to be designed and made. The experience in hunting and world class shooting is reflected in Sako rifles, for generations most of our designers and craftsmen have been both hunters and competition shooters.



90th Anniversary rifles

To celebrate our 90th Anniversary in 2011, we revealed our finest in riflecraft. The 90th Anniversary rifles are Safari grade rifles, handmade and with the addition of an engraved magazine bottom and a special pistol grip gap. They are made to appeal to the most discerning bolt action rifle connoisseurs. These rifles are available in calibers 375 H&H (L 85 action), 416 Rigby, 450 Rigby and 500 Jeffery (XL 85 action).



Detail

Details of the engraved floor plate on the 90th Anniversary Rifle.

sako
85

Safari New XL calibers

We released a 6th action size to our Sako 85 bolt action hunting rifles. This means that our selection of calibers is growing in the upper end, from 416 Rigby and 450 Rigby to 500 Jeffery. In addition to the all round 375 H&H, in action size L. The Sako 85 premium Safari rifles are handmade by Sako's master gunsmiths. These beautiful rifles are made one by one with an eye for the details and perfection.



Premium stock

Classic appearance of the handmade Safari stock is finished off with a custom made Pachmayr recoil pad. The stock in presentation grade walnut features traditional hand-cut checkering and the fore-end tip and pistol grip cap in ebony. Each Safari rifle is hand finished and the barreled action is epoxy bedded to the stock, to give the best and most durable fit and accuracy.



Action

All Sako Safari rifles are built around Sako 85 size L or XL actions, with Sako Round Control System and integral dovetail rails for scope mounting.

sako
85

Classic Deluxe

The Sako 85 Classic Deluxe combines a highly polished metal finish to a proven worldclass stock design. The high grade walnut stock offers a palm swell and a traditional cheek piece to guarantee an ergonomic shooting posture in fast hunting situations. This rifle has been designed for the hunter who appreciates the looks and feel of a high quality walnut stock with the sophisticated Sako 85 action.



Classic design

Classic cheek piece and pronounced pistol grip. Barrel band for swivel attachment.

sako
85

Deluxe

The traditional Sako 85 Deluxe combines an attractive, timeless appearance with superior Sako accuracy and reliability. The warmth of the high grade walnut stock, rosewood details and classic checkering give this fine rifle its distinctive looks. Highly polished metal parts, fixed magazine and Sako pistol grip inlay are just a few of the custom features that are standard on this rifle.



Classic

The Sako 85 Classic is full of traditional Sako features. The straight and classic, walnut stock with rosewood fore-end tip and pistol grip cap is oil finished. A strong, extended recoil lug fastened inside the fore-end. Integral tapered scope mount rail on the top of the receiver and free-floating barrel. The classical look and feel enhances the experience of owning one of the world's most respected rifles.





sako
85

Perfect shot

For me, firearms and hunting are the essence of tradition and masculine values. The aspects of a firearm that I admire most are its technical excellence and degree of refinement. The full-stocked Central European styling of the Sako 85 Bavarian is a delight to behold. This firearm combines accuracy and reliability, with an added special feature: a single set trigger, which brings a whole new feel to firing. I can just picture myself moving through a silent forest and spotting a deer—even at a distance—setting the trigger and making the shot in full confidence, knowing that the end result will be achieved. The perfect shot.

In Central Europe, especially in the Alpine areas, the rifle hunting tradition differs from elsewhere. The Sako 85 Bavarian complies with these traditions: Single set trigger system, adjustable iron sights, Bavarian style cheek piece, curved “Hog’s back” comb, asymmetric palm swell pistol grip and a Schnabel-style fore-end. Made of special blued steel and selected walnut, the Sako 85 Bavarian is available in 85 RH action sizes XS, S, SM, M and L.



sako
85

Bavarian Carbine

This full stocked hunting carbine has been developed for those hunters, who admire the beauty of walnut and black steel combined into a nice carrying, hard shooting hunting rifle.

The Sako 85 Bavarian Carbine always comes with adjustable iron sights and a single set-trigger.



Fullstock

Traditional full-length stock features a rosewood Schnabel.



Bavarian stock design

The classic checkering pattern of the Sako 85 Bavarian provides functionality and traditional looks. Other characteristics of this classic model are the Bavarian cheek piece and comb.

sako
85

Bavarian

The Sako 85 Bavarian is a masterpiece, combining a high grade walnut stock in the traditional Central European style with the superior performance and technology of the Sako 85 series. Under its stylish exterior design are new modern features and attention to detail, which enhance the experience of owning and shooting one of the world's most popular and respected rifles.



Bavarian stock design

The oil finished walnut stock also features a Schnabel-type fore-end and pistol grip endplate in rosewood.



sako
85

The right feel

As an active hunter, I believe that hunting plays an important role in gamekeeping. We use it to maintain animal populations, thus ensuring that nature's balance is preserved. I participate in this task with the required dignity, which is why I hunt all types of game, from fowl to bear, as is necessary. For this, I need a versatile, properly dimensioned rifle. However – it must be a Sako. It awakens the right feelings, it is a thing of beauty to see, use and admire while out on the hunt. I am proud of my Sako rifles.



sako
85

Hunter Lefthanded *New for 2012*

For 2012 Sako is launching a left-handed version of the Sako 85 Hunter in action size M with blued hardware.





sako
85

Laminated Stainless

The Sako 85 Laminated Stainless has a high-grade stainless steel barrel, receiver and bolt. The grey, matte-lacquered laminated hardwood stock provides a stable platform to hold up in the toughest conditions. With its grey straight stock and stainless hardware, the Sako 85 Laminated Stainless is well matched with a silver grey scope and scope mounts to form one of the best-looking hunting rifle ensembles in the world.



sako
85

Hunter & Hunter Stainless

Calling the Sako 85 Hunter standard is a serious matter of understatement. Loaded with Sako features like the legendary Sako accuracy, smooth bolt operation, and perfect balance, it is a valued rifle to own and shoot. Sako 85 Hunter features a walnut stock and is available with blued or stainless metal parts. Optional iron sights are available for the blued barrel.

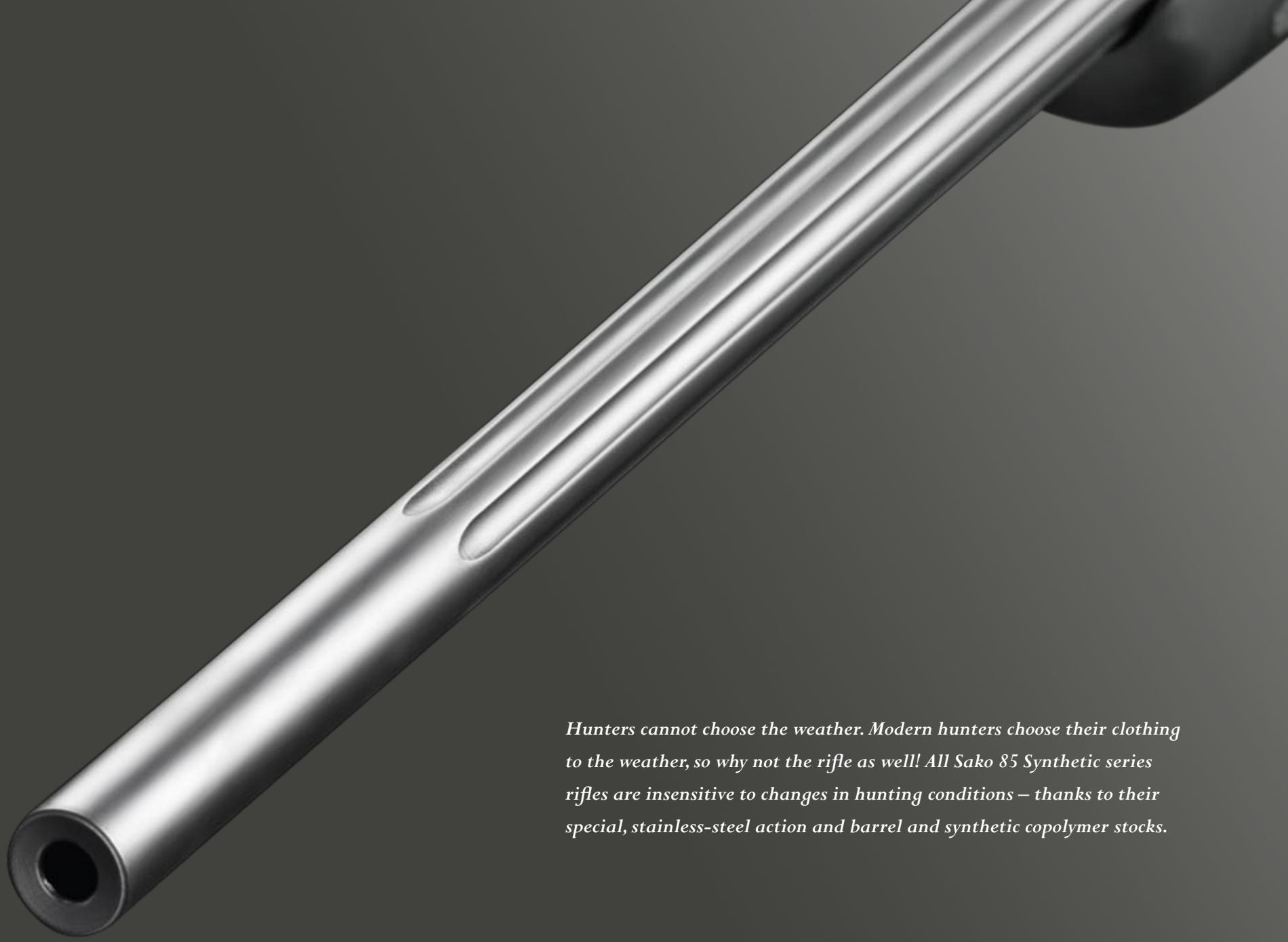




sako
85

In a modern light

As a woman, I appreciate hunting and shooting in a modern light, fully accepting new materials, form factors and solutions – even in firearms. This is the reason I chose Sako 85 Finnlight as my own firearm. The stock is made of a synthetic material, thus making the rifle lighter to bear. It is a state-of-the-art rifle that pleases my eye and its light weight makes it the perfect choice for long hunting trips and treks. The materials make it more weather-resistant – it is not so sensitive to changes in conditions. This suits me just fine, because I love the rain.

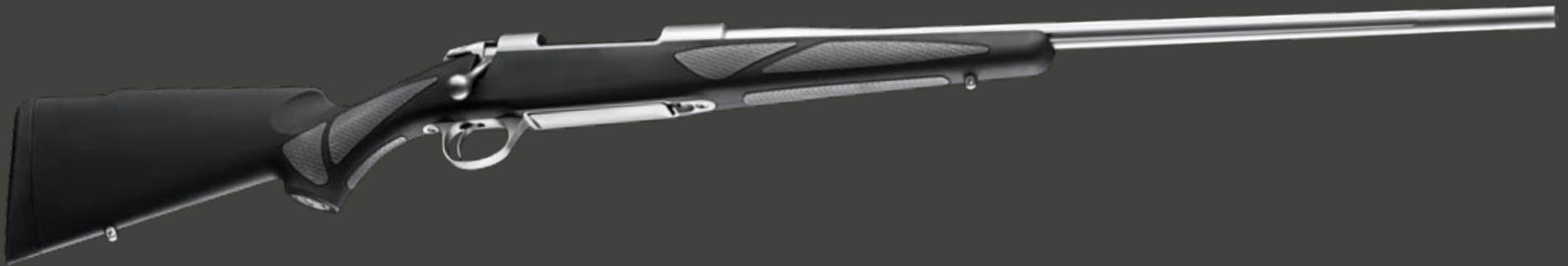


Hunters cannot choose the weather. Modern hunters choose their clothing to the weather, so why not the rifle as well! All Sako 85 Synthetic series rifles are insensitive to changes in hunting conditions – thanks to their special, stainless-steel action and barrel and synthetic copolymer stocks.

sako
85

Finnlight

The Sako 85 Finnlight is for those who go deeper into the wild for their objective. On mountain trails, trekked heights and long distance walks, some hunters prefer high performance full size rifles that are light in weight. The fluted barrel of the Finnlight is just one of the many features that make it ideal for the hunter seeking a light rifle that's perfectly trimmed. Sako 85 Finnlight is an excellent choice for women and younger shooters.



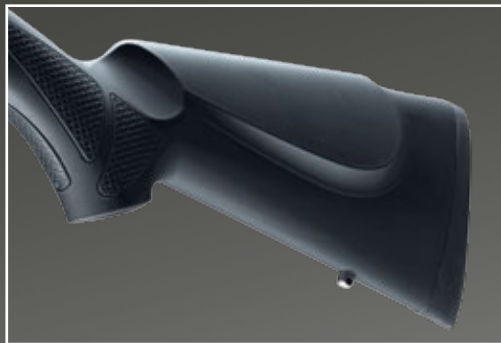
Stock

Reinforced black polymer stock with soft gray patterned grip surfaces combined with Soft Touch surface treatment.

sako
85

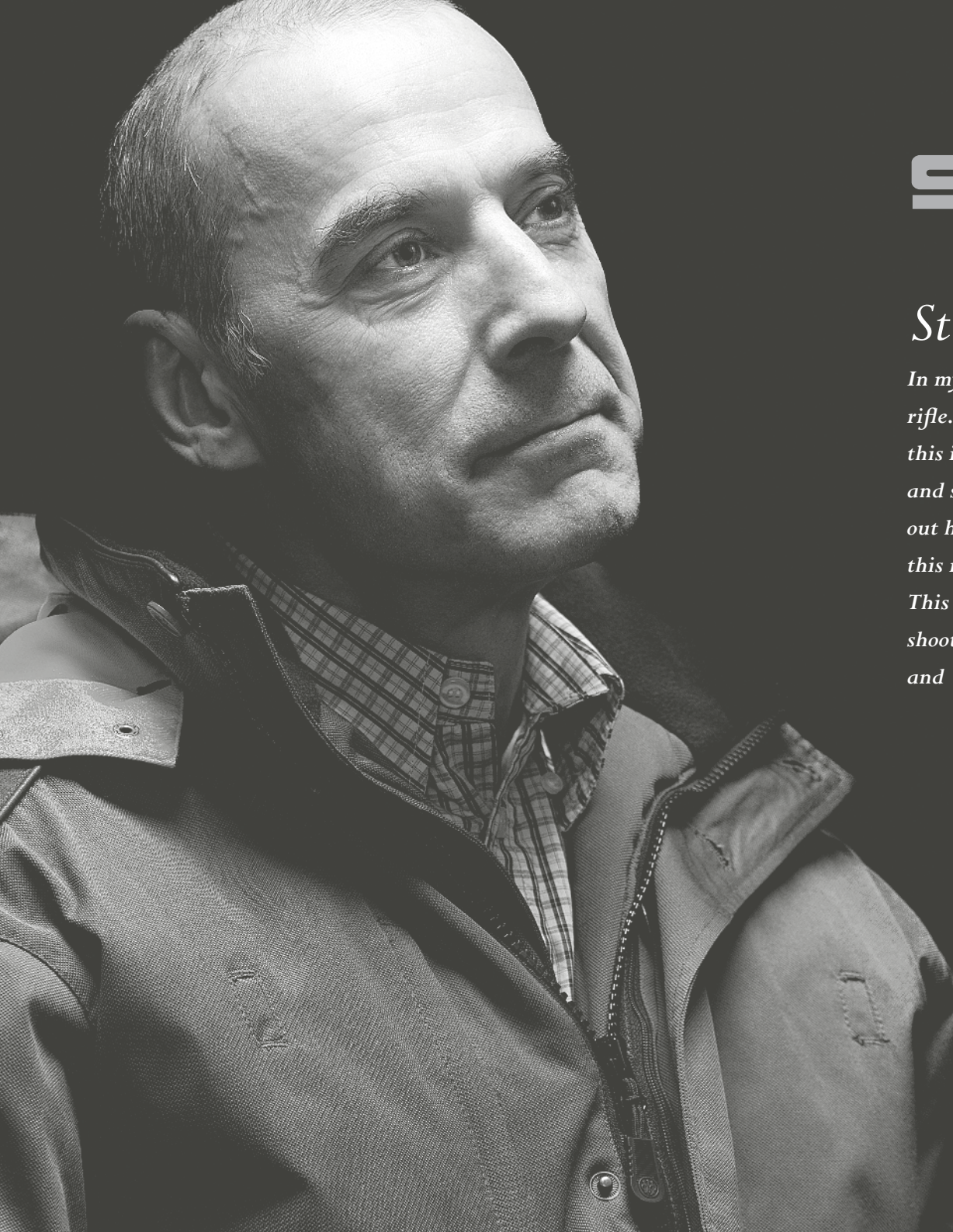
Synthetic Stainless

The Sako 85 Synthetic Stainless is an all-time favorite giving you trouble-free ownership and the firmest hold you have experienced. Black grip areas against the black satin-like stock create a stunning profile. The stainless steel barrel and receiver are non-reflective and guarantee all-weather durability.



Stock

The stock features a cheek piece and asymmetric palm swell, as well as black gripping surfaces and Soft Touch surface treatment.



sako
85

Steady and sure

In my opinion, accuracy is the most important feature of a rifle. That's why I enjoy shooting at a range. The reason for this is the Sako 85 Varmint, which is my amazingly steady and sure companion on the hunt for perfect 10s. We do go out hunting, too, but when we are tracking and waiting, this rifle is on the weighty side, with its heavy barrel. This is what makes it such an exceptional tool for target shooting. This is a rifle that I can sight long distances and still be sure I'll hit my mark.

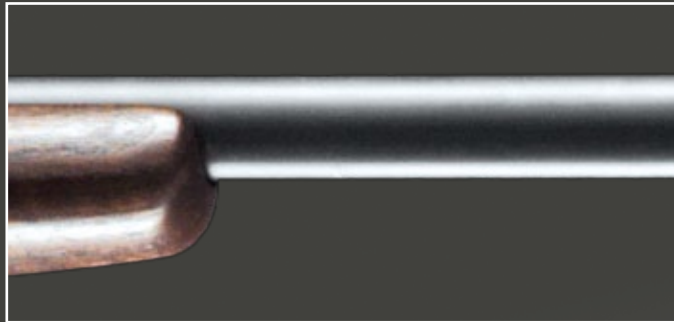


The Sako 85 Varmint is the perfect tool for precise shooting on small targets, generally with the help of large scope sights and a rest under the weapon. Therefore Sako Varmint rifles boast heavy barrels, single-set trigger, pronounced pistol grip and flat fore-end bottom.

sako
85

Varmint

The Sako 85 Varmint is a long-range hunting rifle built to deliver pinpoint accuracy for hunting and target shooting. The heavy, free-floating barrel diminishes vibration and recoil, and makes it easy to zero in and stay on target. Selected walnut used in Varmint rifle stock enhances both comfort and accuracy, and features an extra wide, flat-bottomed beavertail fore-end and more pronounced pistol grip for better bench shooting position.



Barrel

Heavy barrel and wide flat bottom fore-end for steady shooting on sandbags.

sako
85

Varmint Stainless

The Sako 85 Varmint Laminated Stainless comes with all the same qualities as the Varmint, but with its stainless metal parts and stable laminate stock it is perfect in rough conditions. The fluted barrel increases heat dissipation, shaves of weight and furthermore gives this beautiful rifle an extra dose of good looks.



Pistol grip

Pronounced pistol grip designed to improve the ergonomics of the prone position.



sako
quad

Multiplicity

I have always been interested in technology and different technical solutions. I'm also an avid shooter and enjoy hunting small game. I enjoy target shooting, where I can hone my skills by shooting, for example, cans. For this I need a small calibre rifle, but out on a hunt I want something with a bit more punch. Two different firearms might sound like a sensible solution, But there is something even better: The Sako Quad allows you to switch calibers, easily and quickly, even while out in the bush in the middle of a hunt. This is the perfect rifle solution for me. Technical, flexible, easy and sensible. An excellent way to combine two of my passions.

This is a special small game rifle in 4 small rimfire calibers. The Sako Quad may be purchased in rimfire calibers 22 LR, 22 WMR, .17 Mach 2 and 17 HMR.

The Sako Quad is a bolt action rimfire, with interchangeable barrels. The barrel change only takes a few seconds. This is done by inserting a tool, turning it 3 full circles, and tilting the barrel upwards and pulling it out of the action. Inserting another barrel and thus changing to another caliber makes this rifle really versatile. Accuracy is phenomenal. Barrels have individual serial numbers.

This rifle is not an ordinary rimfire - it is a small bore hunting and training weapon system with several options available.



sako
quad

Quad Hunter Pro

The Sako Quad Hunter Pro was designed to look and feel like a traditional Sako hunting rifle, but all features in it are up-to-date. The full-size walnut stock resembles the famous Sako 75 design and it offers the same out-of-the-box accuracy as all legendary Sako hunting rifles.





Calibers

Each Sako Quad caliber has unique characteristics, and is designed to be optimal for specific shooting needs. Calibers from left to right: 17 Mach2 A hot necked-down version of the popular 22 LR - 22 LR The universal caliber for target shooting and close range small game hunting - 17 HMRA high velocity varmint cartridge with excellent ballistics up to 150 yards - 22 WMR The most powerful of Sako Quad calibers - a good small game and varmint cartridge.



Color coding

Both barrels and magazines are color coded and marked to indicate right pairs.

sako
quad

QuadVarmint

The Sako QuadVarmint is an excellent choice for hunting and bench-rest target shooting, with its flat-bottomed extra wide fore end and heavier barrel.



Barrels can be changed easily by using Sako Quad barrel tool.



Quad Synthetic

The Sako Quad Synthetic comes with stylish modern synthetic stock, blued barrel and black rubber recoil pad. Sako Quad butt stock spacers are available for modifying the length of pull.



Quad Heavy Barrel

The Sako Quad Heavy Barrel takes more shooting without getting heated up. The Monte Carlo -type cheek piece on black synthetic stock offers great bench shooting position. The rifle's length of pull can be adjusted with recoil pad spacers.





sako A7

Precision tool

As someone who has hunted a lot, I've noticed that when sureness and reliability are really put to the test, you have to find the right tool to get the job done. You need a rifle that is more a tool than recreational equipment. In this case my precision tool of choice is, without a doubt, the Sako A7. For me, it is just the right kind of firearm, with just the right features I'm looking for. I'm outdoors and I hunt a great deal near my home, in local forests and on familiar terrain, sometimes in extremely demanding conditions. That's when I bring my A7, whose nature and slightly unconventional design distinguishes me, making me fully trust the rifle I carry.



The A7 was created to offer a lightweight, genuine Sako rifle at an attractive price. The A7 has unique features that are not available on any other Sako or Tikka rifles: the special steel action is made in two sizes, S and M, to comply with available calibers; the receiver is drilled and tapped for bases; the bolt has three locking lugs in front and a 70-degree angle for fast cycling, and an internal black nitrated steel insert for extra durability; the polymer magazines (developed for each type of cartridge) have integral steel collars that allow loading without removing the magazine.

sako A7

Sako A7 Synthetic Stainless

Weather resistant rifle for foul weather use. The Sako A7 comes with stainless steel barrel, action and bolt, co-polymer black stock with Soft Touch coating.



Receiver

The receiver is drilled and tapped for mounts. Aluminium Picatinny rails are included. If these are used, they have to be glued, but these may be replaced with suitable steel bases that are readily available on the market.



Magazine

The co-polymer magazine is also loadable from the top, when inserted in the rifle. Material is 50% nylon, 50% fiberglass, with stainless magazine spring. Inserted steel collar allows insertion of cartridges from above. Magazine is held in place by Total Control Latch, to prevent unintentional loosening.

sako A7

Sako A7 Synthetic

Black steel barreled action and co-polymer black stock with Soft Touch coating.

Reliable, light hunting companion.



Stock

The black, light and durable co-polymer stock allows good grip and fast handling.



sako
TRG

Far and center

I want to hit my target dead center and I want a long shot. I'm a veteran sport shooter, who appreciates accuracy and unparalleled reliability above all in a firearm, whose every function has been thought out with great care down to the last detail. I found my rifle – it was love at first sight. I brought my new treasure straight to the range and pulled it from its box, only to find it ready to fire. The rifle was just waiting for me to shoulder it and squeeze the trigger. From the very first shot, it was plain to see where the Sako TRG's world renown comes from.



The Sako TRG 22/42 is accuracy concept designed to accomplish a single-minded mission: to hit the target, whatever it takes. It is the result of Sako innovation, giving you performance that surpasses the highest demands for accuracy, reliability and versatility.

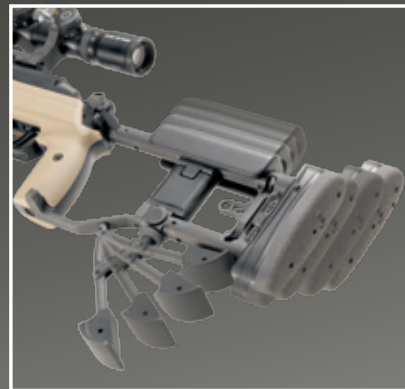
sako TRG

The TRG 22/42 is designed to meet individual demands, and adjusts to each shooter's personal style, build and posture. The super target-grade barrel, made especially for the TRG, is cold-hammer forged. The sturdy bolt with three locking lugs unservingly feeds rounds from the centerline of a detachable staggered 2-row magazine. All Sako TRG receivers are drilled and tapped for an accessory Picatinny rail. Configurations include black, forest green or desert tan color aluminium reinforced composite stocks with various barrel and action finishes. The TRG 22/42 Accuracy concept serves several military and law enforcement organizations as their primary sniper weapon system. The rifle is also used by long range competition shooters and is a CISM competition winner.



42 Desert Tan

The TRG 42 in .300WinMag or .338 Lapua Mag is a true precision tool for serious long-range competition and can be equipped with a huge array of accessories to fulfill the most demanding requirements.



sako
TRG

42 Green

The TRG 42 in .300 WinMag or .338 Lapua Mag is a true precision tool for serious long-range competition and can be equipped with a huge array of accessories to fulfill the most demanding requirements.





22 Black

The TRG 22 in .308Win handles a multitude of accuracy tasks and it is a thoroughbred 300 m ISSF standard competition rifle and a CISM competition winner.



Accuracy

The Sako TRG 22 shown with Sako .308Win. Racehead cartridges. We guarantee first class accuracy with Sako cartridges.

ALL RIGHTS RESERVED



Owners of Sako hunting rifles enjoy the unique advantages of the Sako Optilock™ scope mounts. Optilock™ mounts require you to only set your sights once. Even if you need to remove the scope and mounts, you won't need to zero it again. The Sako Optilock™ gives you a twofold benefit by offering better performance and ease of use.

Optilock bases and rings are machined from a solid block of steel, Cr-Mo alloy or stainless, just like our rifles. The front bases have a solid angled left side and a similarly angled right side with a clamping device. This base design connected to Sako rifle's integral dovetail rail allows you to adjust the horizontal position of the scope objective end without touching the scope adjustment.

Optilock rings are available in four heights and three diameters: 25,4 (1 in), 30 mm and 34mm to fit any scope. The inner scope saver ring is made of polymer and acts as a ball bearing to prevent the scope tube from being deformed. Note that 34 mm rings do not have a polymer insert.

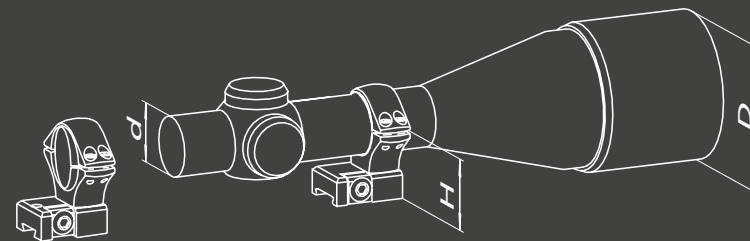
The scope mount bases are available in four models for Sako and two for Sako TRG-22/42 rifles. Choice of right base model depends on action length, scope tube length and eyerelief required. Optilock Weaver base makes the use of Optilock rings possible on all rifles with Weaver or Picatinny rails.



- 1) Sako Optilok steel ring, 1"(25,4mm) in SS
- 2) Polymer insert for effortless scope installation and friction
- 3) Sako rear base in stainless steel.
- 4) Clamping device on the right side.



The rear base has limiter pin that defines correct positioning



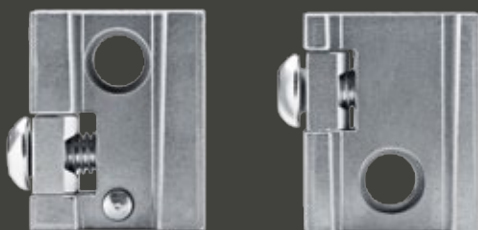
Sako Optilock Ring Mounts

Ring type	Tube diameter (d) mm	Mount height (H) mm	Scope max. outer diameter (D) mm
1" LO	25.4 / 26	Low 27	48...56
1" LO S/S	25.4 / 26	Low 27	48...56
30 mm LO	30	Low 29	52...60
30 mm LO S/S	30	Low 29	52...60

Sako Optilock Mount Bases for mount rings

Base type	Rifle
Sako Short	L461 / L579, S491 / M591, Sako 75, Sako 85
Sako Long	L61R / L691, TRG-S, Sako 75, Sako 85
Sako Extended	L61R / L691, TRG-S, Sako 75, Sako 85
Weaver	Sako TRG with Picatinny rail, Weaver rail

Indicated maximum outer diameter of objective end shows values both for heavy barrel (smaller) and standard barrel.



Sako Optilock base pair pictured from below.

Sako Optilock Mount Rings for mount bases

Ring type	Tube diameter (d) mm	Mount height (H) mm	Scope max. outer diameter (D) mm
1" XTRA LO	25.4 / 26	Extra Low 28.5	51...59
1" XTRA LO S/S	25.4 / 26	Extra Low 28.5	51...59
1" LO	25.4 / 26	Low 30.5	55...63
1" LO PHO	25.4 / 26	Low 30.5	55...63
1" LO S/S	25.4 / 26	Low 30.5	55...63
1" ME	25.4 / 26	Medium 35.5	65...73
1" ME PHO	25.4 / 26	Medium 35.5	65...73
1" ME S/S	25.4 / 26	Medium 35.5	65...73
1" HI	25.4 / 26	High 40.5	75...83
30 mm XTRA LO	30	Extra Low 30.5	55...63
30 mm XTRA LO S/S	30	Extra Low 30.5	55...63
30 mm LO	30	Low 32.5	59...67
30 mm LO PHO	30	Low 32.5	59...67
30 mm LO S/S	30	Low 32.5	59...67
30 mm ME	30	Medium 36.5	67...75
30 mm ME PHO	30	Medium 36.5	67...75
30 mm ME S/S	30	Medium 36.5	67...75
30 mm HI	30	High 40.5	75...83
34 mm LO PHO	34	Low 35.5	69...77



Sako Optilock rings come in 4 heights, and 2 diameters; black, stainless or phosphatized. 34 mm rings do not have polymer insert.



sako

CARTRIDGES

Making both rifles and cartridges is a matter of pride as much as it is about offering the best cartridge and rifle fit and the performance it brings to you, the shooter. Manufacturing a single accurate cartridge is not the most challenging thing. Neither is making ten million. The trickiest part is making the ten million behave as one and the same.

We make 90 different loads in 33 popular calibers. Naturally we have chosen the best components to fulfill the needs of hunters and shooters. There are two factors that define the result in hunting: one is the bullet placement in the game or target, and the other is the bullet terminal performance. Take a moment to read our cartridge table, as it contains a lot of information about calibers, bullet types and their trajectories. To help you to choose the best bullet and load for your specific type of hunting or shooting, we indicate with symbols the type of recommended use.



- 1) **Sako Hammerhead** Heavy, jacketed bonded core, soft point for larger calibers. Specially designed bullet form and construction prevents core separation and allows controlled mushrooming for excellent stopping power. The bullet is very effective for elk type big game hunting at short and medium ranges.
- 2) **Sako Super Hammerhead** Heavy jacketed, strong and non-fragmenting, ensuring controlled expansion. Bonded core construction produces high weight retention, producing good penetration. Boat-tailed for high-ballistic efficiency means flatter trajectory. First developed and tested in Sako ballistic laboratories, followed by actual extensive big game hunting tests.
- 3) **Powerhead** Famous, all-copper and non-toxic, expanding big game bullet (Barnes TSX) made for Sako by Barnes Bullets. Ensures deep penetration and very high weight retention.
- 4) **Gamehead** Traditional and accurate soft point bullet. Excellent all-purpose hunting bullet on small/medium sized game.
- 5) **Deerhead** Deerhead is a bonded all-around bullet that can withstand extreme deformation without separation of the jacket from the lead core. Bullet expand rapidly and seldom loses more than 10% of its original weight.
- 6) **Moosehead** Moosehead offers massive, pre-programmed expansion to transfer extremely high energy. Rugged construction eliminates separation and the bullet holds together even when smashing through bone.
- 7) **Twinhead II** With its unique cross-member jacket design and the bonded front core, the Swift A-Frame™ Bullet has become famous for its ability to combine three critical performance features – controlled expansion, deep penetration and 95% weight retention at all velocities.
- 8) **Arrowhead** Ballistically advanced big game bullet (Nosler Ballistic Tip) manufactured for Sako by Nosler®. The bullet is very effective for thin-skinned big game and antelope/elk type big game at long ranges. The bullet has a polymer tip to maintain the good ballistic form, and the jacket strengthens gradually from thin front to heavy rear. This contributes to fast shock and large wound channel.
- 9) **Arrowhead II** Ballistically advanced big game bullet (Swift Scirocco II®) with heavy construction manufactured for Sako by Swift Bullets®. The polymer tip maintains the streamlined form until the bullet hits game tissue. Bonded core construction provides fast shock, controlled expansion and high weight retention.
- 10) **Ramhead** Strong, flat -nosed, solid, brass bullet (Barnes Banded Solid®) that is non-toxic, and contains no lead and has a double- diameter design for less friction. The bullet penetrates tissue deeply and reliably without expanding. Ramhead is a reliable big game bullet for special hunting situations.
- 11) **Speedhead** Full metal jacket bullet that delivers ultimate accuracy for target shooting and small game hunting. Ensures minimal pelt and meat damage on furred game or in bird hunting.
- 12) **Cuthead** Competition and training bullet leaving a clean hole on target paper for easy score interpretation. In full jacket form, this bullet may also be used on small game hunting like our Spechead™ bullets.
- 13) **Racehead** A thin jacketed, match hollow point and boat tail bullet (Sierra MatchKing®) developed solely for rifle competition. When you need long-range accuracy, demand this load.



sako
CARTRIDGES

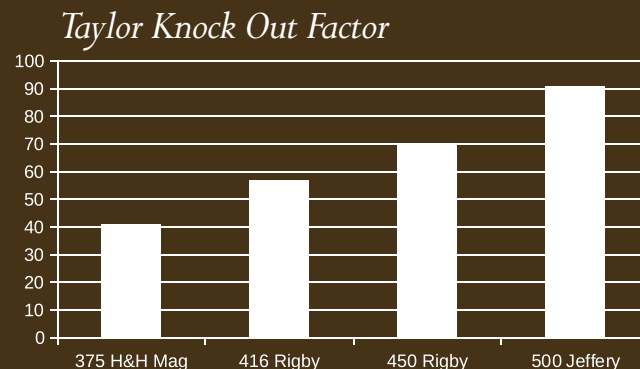


Sako Safari Cartridges

Sako has manufactured hunting cartridges since 1928. In 2011 we introduced Sako 85 XL action and handmade Sako Safari rifles in real Safari calibers: 416 Rigby, 450 Rigby and 500 Jeffery.

New for 2012 we are bringing Genuine Sako Safari Cartridge selection to Big Game hunters. Big Game Safari is not an everyday thing. Once in a lifetime adventure is created with best available equipment: Sako Safari rifle & Sako Safari cartridges.

Cartridge	Bullet weight		Bullet type	Velocity		S.D	K.O
	gram	grain		m/s	fps		
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



Taylor Knock Out Factor

Taylor Knock Out Factor is a commonly used mathematical approach for evaluating the stopping power of hunting cartridges. KO Factor is a figure of merit that allows hunters to compare bullets with respect to stopping power, the bigger KO factor the better stopping power. The KO was developed by the professional big-game hunter John "Pondoro" Taylor.

BALLISTICS

6.5 mm 125 gr 125 gr 125 gr
sako
90°

Cartridge 1:

6.5 mm Sako, 125gr(125 gr), 125 gr

Weight: 125.0 g

Length: 70.0 mm

Velocity: 820.0 m/s

BC: 0.520

Cartridge 2:

6.5 mm Sako, 125gr(125 gr), 125 gr

Weight: 125.0 g

Length: 70.0 mm

Velocity: 820.0 m/s

BC: 0.520

Atmosphere

Temperature: 15.0 °C

Air pressure: 1013.25 mbar

Altitude range: 0.0 m

Height range: 0.0 m

1 click @ 100m: 0.0 m

Ordnance

Zero range: 100 m

Range increment: 10 m

Target speeds: 0.0 m/s

Velocity: 0.0 m/s

Winds

Wind: 0.0 m/s








Wind direction: 0.0 deg

6.5 mm Sako, 125 gr

Range, Velocity		Range		Time		Trajectory		Wind Ball		1 Click Target Level Range	
Range	Velocity	0 ft	100 ft	0 s	100 s	0 ft	100 ft	0 ft	100 ft	0 ft	100 ft
0	820	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	818	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
20	816	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00
30	814	0.00	0.00	0.00	0.00	-0.03	-0.03	0.00	0.00	0.00	0.00
40	812	0.00	0.00	0.00	0.00	-0.04	-0.04	0.00	0.00	0.00	0.00
50	810	0.00	0.00	0.00	0.00	-0.05	-0.05	0.00	0.00	0.00	0.00
60	808	0.00	0.00	0.00	0.00	-0.06	-0.06	0.00	0.00	0.00	0.00
70	806	0.00	0.00	0.00	0.00	-0.07	-0.07	0.00	0.00	0.00	0.00
80	804	0.00	0.00	0.00	0.00	-0.08	-0.08	0.00	0.00	0.00	0.00
90	802	0.00	0.00	0.00	0.00	-0.09	-0.09	0.00	0.00	0.00	0.00
100	800	0.00	0.00	0.00	0.00	-0.10	-0.10	0.00	0.00	0.00	0.00
110	798	0.00	0.00	0.00	0.00	-0.11	-0.11	0.00	0.00	0.00	0.00
120	796	0.00	0.00	0.00	0.00	-0.12	-0.12	0.00	0.00	0.00	0.00
130	794	0.00	0.00	0.00	0.00	-0.13	-0.13	0.00	0.00	0.00	0.00
140	792	0.00	0.00	0.00	0.00	-0.14	-0.14	0.00	0.00	0.00	0.00
150	790	0.00	0.00	0.00	0.00	-0.15	-0.15	0.00	0.00	0.00	0.00
160	788	0.00	0.00	0.00	0.00	-0.16	-0.16	0.00	0.00	0.00	0.00
170	786	0.00	0.00	0.00	0.00	-0.17	-0.17	0.00	0.00	0.00	0.00
180	784	0.00	0.00	0.00	0.00	-0.18	-0.18	0.00	0.00	0.00	0.00
190	782	0.00	0.00	0.00	0.00	-0.19	-0.19	0.00	0.00	0.00	0.00
200	780	0.00	0.00	0.00	0.00	-0.20	-0.20	0.00	0.00	0.00	0.00
210	778	0.00	0.00	0.00	0.00	-0.21	-0.21	0.00	0.00	0.00	0.00
220	776	0.00	0.00	0.00	0.00	-0.22	-0.22	0.00	0.00	0.00	0.00
230	774	0.00	0.00	0.00	0.00	-0.23	-0.23	0.00	0.00	0.00	0.00
240											

Sako Ballistics is an easy-to-use ballistics software program for hunters and long range shooters. The software includes all Sako cartridges and software, the user can easily compare different cartridges and choose the best one. This internet based software is free to use and can be used on any computer and web-browser equipped mobile phone.

- *Various scope clicks*
- *Variable zero range*
- *Add and modify cartridges*
- *Output values in several different units*
- *Trajectory chart and numerical values*
- *Wind speed and direction*
- *Temperature*
- *Air pressure*
- *Target speed*

CARTRIDGE	BULLET					GAME								VELOCITY				ENERGY				TRAJECTORY						GEE	Packing	
	Code	Type	Weight										m/s				Joules				cm / m (Muzzle - 4,5 cm)						m	Box	Case	
			g	grs	BC1								0	100	200	300	0	100	200	300	50	100	150	200	250	300		pcs	pcs	
222 Rem	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	975	800	638	515	1540	1028	660	428	0.4	2.1	0	-8.0	-21.3	-42.0	175	20	1000	
222 Rem Range	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	975	800	638	515	1540	1028	660	428	0.4	2.1	0	-8.0	-21.3	-42.0	175	100	1000	
222 Rem	106G	GAMEHEAD	3,2	50	0,181							■	975	800	638	515	1540	1028	660	428	0.4	2.1	0	-8.0	-21.3	-42.0	175	20	1000	
222 Rem	422G	ARROWHEAD	3,2	50	0,238				■			■	975	840	717	604	1540	1142	832	592	0.2	1.8	0	-5.9	-16.6	-32.9	186	20	1000	
222 Rem	110G	GAMEHEAD	3,56	55	0,207				■			■	1000	842	700	573	1780	1261	871	585	0.1	1.7	0	-5.9	-17.2	-34.4	181	20	1000	
222 Rem	111G	RACEHEAD	3,4	52	0,221							■	925	785	660	550	1455	1048	741	514	0.6	2.3	0	-7.0	-19.9	-39.4	172	20	1000	
222 Rem Mag	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	985	805	646	522	1572	1051	677	441	0.3	2.0	0	-7.8	-20.8	-40.9	177	20	1000	
222 Rem Mag	106G	GAMEHEAD	3,2	50	0,181							■	985	805	646	522	1572	1051	677	441	0.3	2.0	0	-7.8	-20.8	-40.9	177	20	1000	
222 Rem Mag	110G	GAMEHEAD	3,56	55	0,207				■			■	1015	855	711	584	1834	1301	901	607	0	1.6	0	-5.7	-16.5	-33.1	184	20	1000	
223 Rem	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	985	805	646	522	1572	1051	677	441	0.3	2.0	0	-7.8	-20.8	-40.9	177	20	1000	
223 Rem Range	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	985	805	646	522	1572	1051	677	441	0.3	2.0	0	-7.8	-20.8	-40.9	177	100	1000	
223 Rem	106G	GAMEHEAD	3,2	50	0,181							■	985	805	646	522	1572	1051	677	441	0.3	2.0	0	-7.8	-20.8	-40.9	177	20	1000	
223 Rem	422G	ARROWHEAD	3,2	50	0,238				■			■	985	849	725	612	1572	1167	851	607	0.1	1.8	0	-5.7	-16.2	-32.1	188	20	1000	
223 Rem	110G	GAMEHEAD	3,56	55	0,221				■			■	1015	855	711	584	1834	1301	901	607	0	1,6	0	-5,7	-16,5	-33,1	184	20	1000	
223 Rem	113G	RACEHEAD	4,5	69	0,300							■	865	765	671	588	1673	1307	1008	772	0,8	2,5	0	-7,4	-20,2	-38,8	181	20	1000	
22-250 Rem	105G	SPEEDHEAD	3,2	50	0,181	■	■					■	1150	950	776	623	2142	1461	976	630	-0.6	1.1	0	-4.4	-12.8	-26.3	199	20	500	
22-250 Rem	106G	GAMEHEAD	3,2	50	0,181							■	1150	950	776	623	2142	1461	976	630	-0.6	1.1	0	-4.4	-12.8	-26.3	199	20	500	
22-250 Rem	422G	ARROWHEAD	3,2	50	0,238				■			■	1150	996	858	734	2142	1607	1194	872	-0.7	0.9	0	-3.7	-10.8	-21.8	215	20	500	
22-250 Rem	110G	GAMEHEAD	3,56	55	0,221				■			■	1115	945	790	651	2213	1590	1111	755	-0.6	1.1	0	-4.4	-12.7	-25.8	199	20	500	
6PPC USA	117E	RACEHEAD	4,5	70	0,255		■					■	945	825	715	610	2010	1532	1150	838	0,3	1,9	0	-6,0	-16,5	-32,9	178	20	500	
243 Win	114E	SPEEDHEAD	5,8	90	0,350	■	■					■	870	781	700	625	2195	1770	1421	1131	0,8	2,5	0	-6,9	-18,8	-36,2	171	20	500	
243 Win	112E	GAMEHEAD	5,8	90	0,349		■	■				■	955	861	775	695	2645	2148	1740	1398	0,2	1,8	0	-5,4	-14,8	-28,8	187	20	500	
243 Win	113E	GAMEHEAD	6,5	100	0,270		■	■				■	905	821	741	664	2662	2192	1782	1434	0,3	2,0	0	-5,9	-16,4	-31,2	178	20	500	
243 Win	130E	DEERHEAD	6,5	100	0,257			■	■			■	915	793	680	578	2713	2035	1500	1082	0,6	2,2	0	-6,8	-18,9	-37,2	169	20	500	
25-06 Rem	125E	GAMEHEAD	7,6	117	0,381			■	■			■	910	829	753	681	3105	2579	2128	1740	0,4	1,9	0	-5,8	-16,0	-30,9	182	20	500	
260 Rem Range	118H	SPEEDHEAD	6,5	100	0,250	■	■					■	920	796	682	577	2743	2051	1506	1080	0,5	2,2	0	-6,8	-18,8	-36,7	183	50	500	
260 Rem	121H	RACEHEAD	8,0	123	0,510							■	870	810	752	697	3016	2614	2256	1937	-0,3	2,2	0	-6,1	-16,4	-31,6	186	20	500	
260 Rem	122H	DEERHEAD	10,1	156	0,360			■	■			■	750	673	600	532	2843	2287	1819	832	2,1	3,8	0	-9,6	-26	-50,6	174	20	500	
6.5x55 SE Range	118H	SPEEDHEAD	6,5	100	0,250	■	■					■	850	732	623	525	2341	1735	1259	894	1,1	2,9	0	-8,2	-22,5	-44,9	178	50	500	
6.5x55 SE	119H	RACEHEAD	9,0	139	0,526				■			■	850	803	758	714	3251	2903	2587	2296	0,7	1,7	0	-5,5	-16	-30,7	185	20	500	
6.5x55 SE	120H	GAMEHEAD	10,1	156	0,377			■	■	■		■	800	720	644	574	3232	2616	2096	1662	1,4	3,1	0	-8,4	-22,7	-43,6	159	20	500	
7x33 Sako	108B	SPEEDHEAD	5,1	78	0,147	■	■					■	740	571	437	344	1396	832	487	303	3,6	5,9	0	-15,4	-43,9	-87,8	139	50	1000	
7x33 Sako	109B	GAMEHEAD	5,1	78	0,147			■				■	740	571	437	344	1396	832	487	303	3,6	5,9	0	-15,4	-43,9	-87,8	139	50	1000	
270 Win	485B	POWERHEAD	8,4	130	0,431			■	■				850	780	714	651	3043	2564	2146	1784	0,8	2,4	0	-6,8	-18,5	-35,5	183	20	500	
270 Win	211B	HAMMERHEAD	10,1	156	0,321			■	■	■			840	745	660	581	3563	2805	2200	1705	1,2	2,8	0	-7,7	-21,1	-40,8	164	20	500	
7x64	121B	GAMEHEAD	7,8	120	0,322			■	■			■	945	850	760	680	3483	2820	2255	1802	0,1	1,7	0	-5,5	-16,0	-30,7	185	20	500	
7x64	407B	ARROWHEAD II	9,7	150	0,515				■	■			900	839	781	725	3930	3410	2960	2550	0,3	1,9	0	-5,7	-15,2	-29,1	183	20	500	
7x64	216B	HAMMERHEAD	11,0	170	0,407				■	■			850	775	705	640	3974	3304	2735	2255	0,9	2,4	0	-7,2	-19,2	-36,5	170	20	500	
7 x 65R	216B	HAMMERHEAD	11,0	170	0,407				■	■			800	728	662	599	3520	2917	2409	1976	1,4	3,1	0	-8,1	-21,8	-41,6	160	20	500	
7 mm Rem Mag	407B	ARROWHEAD II	9,7	150	0,515				■	■	■		925	863	804	747	4150	3610	3130	2700	0,2	1,7	0	-5,3	-14,3	-27,3	188	20	500	
7 mm Rem Mag	216B	HAMMERHEAD	11,0	170	0,407				■	■			905	827	753	685	4505	3759	3121	2580	0,4	2,0	0	-5,9	-16,4	-31,4	180	20	500	
7.62 x 39	117A	SPEEDHEAD	8,0	123	0,342							■	715	632	555	487	2045	1598	1233	948	2,7	4,4	0	-11,4	-31,6	-60,4	142	150	750	
7.62 x 39	134A	GAMEHEAD	8,0	123	0,342			■				■	715	632	555	487	2045	1598	1233	948	2,7	4,4	0	-11,4	-31,6	-60,4	142	20	500	

Sako Rifle Cartridges 2012

Before hunting check the local caliber / bullet regulations. Unprimed cases for all the calibers in the data table are available for reloaders.



FURRED SMALL GAME AND 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, BEAR ETC.



HEAVIEST BIG GAME, CAPE BUFFALO ETC.



TARGET SHOOTING, COMPETITION

S HAMMERHEAD = SPBT Bonded core

HAMMERHEAD = SP Bonded core

POWERHEAD = Barnes TSX®

TWINNHEAD II = Swift A-Frame

ARROWHEAD = Nosler Ballistic Tip®

ARROWHEAD II = Swift Scirocco II®









RAMHEAD = Barnes Solid®

SPEEDHEAD = Full metal jacket

GAMEHEAD = Soft point

SUPER RANGE = Hollow point BT

RACEHEAD =

CARTRIDGE	BULLET					GAME								VELOCITY				ENERGY				TRAJECTORY						GEE	Packing	
	Code	Type	Weight											m/s				Joules				cm / m (Muzzle - 4,5 cm)						m	Box	Case
			g	grs	BC1									0	100	200	300	0	100	200	300	50	100	150	200	250	300		pcs	pcs
308 Win	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	20	500
308 Win Range	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	50	500
308 Win Super Range	146A	CUTHEAD	6.6	102	0,236		■						■	950	816	694	583	2978	2195	1588	1122	0.3	2.0	0	-6.3	-17.8	-35.2	177	50	500
7.62x53R	129A	GAMEHEAD	8.0	123	0,320		■		■				■	925	825	733	648	3423	2722	2147	1681	0.4	2.0	0	-6.0	-16.9	-32.7	180	20	500
308 Win	235A	SUPER HAMMERHEAD	9,7	150	0,410									870	790	714	643	3671	3025	2474	2005	0.7	2.2	0	-6.6	-18.0	-34.6	173	20	500
308 Win	480A	POWERHEAD	10,7	165	0,398					■				825	763	704	648	3640	3117	2653	2246	1.0	2.6	0	-7.2	-19.3	-36.8	167	20	500
308 Win	236A	SUPER HAMMERHEAD	11.7	180	0,421					■	■			795	726	661	599	3700	3084	2554	2099	1.4	3.0	0	-8.1	-21.9	-41.8	160	20	500
308 Win	256A	HAMMERHEAD	11.7	180	0,387					■	■			795	689	592	504	3700	2782	2053	1488	1.7	3.4	0	-9.4	-25.9	-50.5	153	20	500
308 Win	408A	ARROWHEAD II	11.7	180	0,520					■	■			795	738	683	630	3700	3180	2730	2320	1.3	2.9	0	-7.8	-20.8	-39.5	162	20	500
308 Win	227A	HAMMERHEAD	13.0	200	0,356						■			745	667	595	526	3608	2890	2298	1796	2.2	3.9	0	-9.4	-26.2	-50.8	148	20	500
308 Win	141A	RACEHEAD	10.9	168	0,480							■		820	756	700	645	3665	3114	2660	2269	1.3	3.1	0	-7.3	-19.7	-37.5	167	20	500
7.62x53R	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	20	500
7.62x53R Range	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	50	500
7.62x53R	236A	SUPER HAMMERHEAD	11.7	180	0,421					■	■			795	726	661	599	3700	3230	2697	2099	1.4	3.0	0	-8.1	-21.9	-41.8	160	20	500
7.62x53R	256A	HAMMERHEAD	11.7	180	0,387					■	■			795	689	592	504	3700	2782	2053	1488	1.7	3.4	0	-9.4	-25.9	-50.5	153	20	500
7.62x53R	227A	HAMMERHEAD	13.0	200	0,356						■			745	667	595	526	3608	2890	2298	1796	2.2	3.9	0	-9.4	-26.2	-50.8	148	20	500
30-06 Sprg	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	20	500
30-06 Sprg Range	120A	SPEEDHEAD	8.0	123	0,330	■	■						■	900	800	709	626	3240	2561	2009	1569	0.6	2.4	0	-6.5	-18.6	-35.7	175	20	500
30-06 Sprg	129A	GAMEHEAD	8.0	123	0,320		■		■				■	950	845	751	665	3610	2855	2254	1771	0.2	1.8	0	-5.6	-16.1	-31.1	184	20	500
30-06 Sprg	235A	SUPER HAMMERHEAD	9,7	150	0,410				■					905	823	745	675	3972	3283	2695	2208	0.4	2.0	0	-5.9	-17.8	-33.5	180	20	500
30-06 Sprg	236A	SUPER HAMMERHEAD	11.7	180	0,421					■				825	755	688	625	3982	3332	2767	2282	1.0	2.7	0	-7.4	-20.0	-38.3	165	20	500
30-06 Sprg	256A	HAMMERHEAD	11.7	180	0,387					■	■			825	717	618	527	3982	3010	2233	1625	1.4	3.1	0	-8.6	-23.6	-46.2	158	20	500
30-06 Sprg	481A	POWERHEAD	11,7	180	0,398					■	■		■	825	766	709	654	3982	3430	2940	2506	1.0	2.6	0	-7.1	-19.1	-36.4	168	20	500
30-06 Sprg	408A	ARROWHEAD II	11,7	180	0,520					■	■		■	825	767	711	658	3980	3440	2960	2530	1.0	2.5	0	-7.1	-19.0	-36.1	168	20	500
30-06 Sprg	228A	HAMMERHEAD	14,3	220	0,408					■	■		■	735	665	600	543	3863	3158	2578	2110	2.3	3.9	0	-10.0	-28.0	-52.6	148	20	500
300 WSM	236A	SUPER HAMMERHEAD	11,7	180	0,421					■	■			905	830	760	693	4793	4037	3380	2810	0.4	2.0	0	-5.8	-15.9	-30.7	181	10	200
300 WSM	408A	ARROWHEAD II	11,7	180	0,520					■	■		■	905	844	787	731	4793	4174	3621	3128	0.3	1.9	0	-5.6	-15.1	-30.0	187	10	200
300 Win Mag	235A	SUPER HAMMERHEAD	9,7	150	0,410				■		■			1035	945	860	780	5195	4328	3586	2953	-0.4	1.2	0	-4.2	-11.7	-22.9	203	20	400
300 Win Mag	236A	SUPER HAMMERHEAD	11,7	180	0,421					■	■			900	826	755	688	4739	3987	3337	2772	0.4	2.0	0	-5.9	-16.1	-31.0	180	20	400
300 Win Mag	408A	ARROWHEAD II	11,7	180	0,520					■	■		■	900	838	779	722	4740	4110	3550	3050	0.3	1.9	0	-5.7	-15.2	-29.3	183	20	400
300 Win Mag	228A	HAMMERHEAD	14.3	220	0,408					■	■		■	825	752	682	616	4850	4040	3326	2716	1.1	2.7	0	-7.5	-20.3	-38.9	165	20	400
300 Win Mag	141A	RACEHEAD	10,9	168	0,480							■		920	853	789	665	4613	3962	3388	2588	0.2	1.8	0	-5.4	-14.8	-28.4	185	20	400
8.2x53R	201F	HAMMERHEAD	13.0	200	0,276					■	■			770	666	572	491	3854	2887	2123	1570	2.0	3.8	0	-10.2	-29.6	-56.5	150	20	500
8x57JS	120F	GAMEHEAD	9,7	150	0,330				■		■			820	731	648	571	3260	2596	2040	1580	1.3	2.9	0	-8.1	-22.0	-42.6	167	20	500
8x57JS	201F	HAMMERHEAD	13.0	200	0,276					■	■			770	666	572	491	3854	2887	2123	1570	2.0	3.8	0	-10.2	-29.6	-56.5	150	20	500
8x57JRS	121F	GAMEHEAD	11,3	175	0,374						■			760	684	613	547	3263	2643	2121	1691	1.9	3.6	0	-9.4	-26.2	-49.6	152	20	500
8x57JRS	201F	HAMMERHEAD	13.0	200	0,276					■	■			730	630	540	465	3464	2576	1896	1408	2.6	4.4	0	-13.0	-33.6	-63.8	143	20	500
338 Federal	411F	MOOSEHEAD	13.0	200	0,398					■	■			800	718	640	568	4162	3348	2664	2095	1.4	3.1	0	-8.4	-22.9	-44.1	161	20	500
338 Federal	404F	POWERHEAD	12,0	185	0,352					■	■		■	820	737	659	585	4036	3259	2603	2056	1.2	2.9	0	-7.9	-21.5	-41.4	165	20	500
338 Win Mag	211F	HAMMERHEAD	16,2	250	0,342					■	■		■	810	725	645	571	5315	4260	3375	2640	1.3	3.0	0	-8.2	-22.4	-43.2	160	20	500
338 Win Mag	452F	TWINHEAD II	17,8	275	0,469					■	■		■	750	690	633	579	5010	4242	3570	2985	2.3	3.7	0	-9.4	-24.8	-47.0	156	20	500
9.3x53R Finnish	102D	GAMEHEAD	16,6	256	0,244					■	■			710	600	500	420	4184	2984	2077	1453	3.1	5.0	0	-13.3	-37.5	-72.4	138	20	500
9.3x62 Range	132D	SPEEDHEAD	15,0	231	0,380																									



A BERETTA GROUP COMPANY

SAKO LIMITED
P.O.BOX 149
FI-11101 RIIHIMÄKI
FINLAND
www.sako.fi