

**sako**  
FINLAND

2004





SAKO SM 100101



How to be modern in a field where tradition is one of the core values? How to be tried and tested when introducing unique innovations? How to combine old-world craftsmanship and hi-tech performance into an integrated whole? There is a way: The Sako Way. And the best example is the celebrated Sako 75. It's loading mechanism has been described as the first real improvement in bolt action design since Paul Mauser's Mauser-98 in 1898 - and that's just one among many Sako 75' unique features.

Sako 75 technology innovations have established a platform that has enabled us to respond quickly to shooters' emerging needs. This year, the new Short Magnum Action (our fifth action size!) offers Sako shooters a popular caliber and completes our line. And here's an insight into Sako's approach to performance: in addition to being one of the very few brands manufacturing its own cartridges for perfect a match, we must be the only one to take the trouble to make our actions match the calibers!

**NEW FOR 2004**

- Short Magnum. The fifth action size for Sako 75 specially designed to take 270 and 300 WSM calibers.
- Sako 75 Synthetic Stainless with green grips on black stock is lighter than before.
- Optilock Ring Mounts in stainless steel to match your rifle.
- Optilock Base Mounts: Extra Low rings for compact scope mounting.
- 300 WSM long range cartridge loaded with Sako Super Hammerhead bullet.

How would you define your relationship with shooting and hunting? Is there a word that best describes your personal experience? For myself, there's only one word - "richness". The technology associated with rifle development; the personal challenge of honing my shooting and hunting skills; the beauty of nature; the constant opportunity to learn new things; the exercise; the exhilaration, the relaxation; the stories. But the most valuable experience has been the acquisition of great friends. Strong and lasting friendships have been forged around campfires in different parts of the world with both experienced and novice hunters. And it's all of the above that keeps me - and my Sako colleagues - going. We are not just building rifles, but tools to enhance a unique experience and keep up a tradition that has a deep human significance - of being part of nature.

Then there's the business side of "richness". The Sako and Beretta alliance has created a leading force in quality arms development, that blazes the trail in every field of shooting and hunting. Being constantly in touch with professional and other highly skilled shooters, we have learned that we must offer a rich selection of products and accessories to match shooters' different personal needs and tastes. This catalogue shows what 2004 brings, and I hope that we are, once again, able to enrich your personal enjoyment of this great sport.

Yours sincerely



Henry Paasikivi  
President, CEO  
Sako Ltd

You want a rifle in which power meets design, evolution joins revolution and craftsmanship shakes hands with advanced materials and hi-tech? Your Sako: the most accurate and reliable factory-made rifle offering an incomparable selection of custom features as standard.





Sako 75 Hunter – your trusted companion. All the features what you'd want from a serious performance rifle, including excellent value. Now this exceptional rifle is also available for the left-handed hunting enthusiast. The Sako 75 Hunter and Hunter Lefthanded combine an attractive appearance with superior Sako accuracy, reliability and performance. As with all Sako 75 models, these two models come with adjustable trigger and detachable 2-row staggered magazine. The high-grade walnut stock is either oil-finished or matt lacquered. Now also available in 270 WSM and 300 WSM.

Sako 75 Deluxe - classic design and craftsmanship. Beautifully grained selected high-grade walnut stock with handcrafted skip-line checkering, rosewood fore-end tip and pistol grip cap. Highly polished metal parts. Fixed magazine with game motifs on the hinged floorplate. Available finish: oiled, matt lacquered or glossy with 8 layers of highly polished lacquer. Now also available in 270 WSM and 300 WSM.

**sako** **75**



The Sako 75 Hunter Stainless has the same features as the Hunter but barreled action is all stainless steel.



The Sako 75 is the first rifle to offer an action featuring a precision bolt with three locking lugs and a mechanical ejector. Five smooth patented (U.S. Patent No. 6000161) guiding surfaces prevent bolt binding and provide ultra-smooth and reliable operation. The mechanical ejector (under the bolt) is extremely reliable in all conditions.

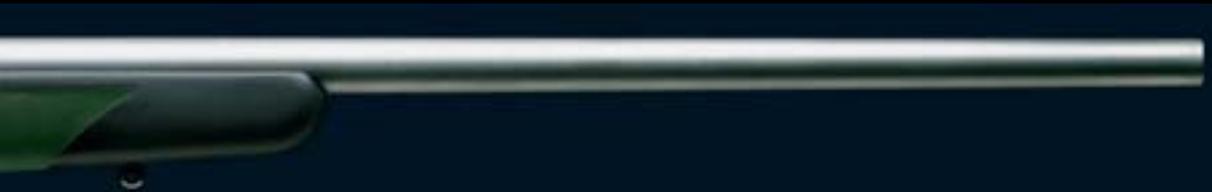


The bolt with three locking lugs solidly seals the cartridge head in the chamber. Bolt lift is only 70°. The bolt body is made of a single piece of special steel and the bolt face is counterbored for better case durability and gas handling. The slot groove for the mechanical ejector is visible on the bolt head.



Designing and building a perfect hunting rifle allows no compromises. For example the trigger guard of the Sako 75 is machined out of a solid block of steel. This is not a cheap way to make it, but it sure is beautiful, nice to handle and extremely durable, protecting the adjustable trigger of the rifle.





The synthetic Sako 75's have a patented non-reflecting stock with matt finish. When you grab a synthetic Sako you know instantly that there's more than just all-weather durability and ease of care. There's the special Sako feel: the molded soft-touch grips feel instantly warm even in cold weather and give you the firmest hold you have experienced.

Sako 75 Synthetic Stainless has long been a global favorite and is winning new friends thanks to its unique features, practicality and good looks. Overall weight has been reduced, thanks to a new and lighter stock. And now there's a special new Sako look: green grips against black stock, creating stunning looks. Available also in 270 and 300 WSM.

Sako 75 Finnlight is for those who take mountain trails, trek long distances or who simply want all possible extra weight off their shoulders. The specially engineered light barrel is only one of many features. Magnum calibers now with longer (620 mm) barrel. The entire rifle is lightweight overall – with perfectly trimmed balance, of course – and without any sacrifice in performance or reliability. The Finnlight is also available in 270 and 300 WSM.

**sako** **75**

The accuracy of Sako barrels is legendary. And for a good reason. The cold-hammer forged barrel is manufactured in an advanced custom-built automated unit. Finally the barrel is inspected using the most complex and highly refined optical fine tuning instrument known to man: the human eye. Sako 75 barrels are made of either Cr-Mo or stainless steel.



In order to obtain the ultimate in accuracy, Sako 75 barrels are totally free-floating - similar to what other manufacturers offer only in their custom shops. To test whether a barrel really is free floating, slip a paper between the barrel and stock. With Sako rifles the free space averages 0.5 mm (1/50 inch) and the paper moves easily over the whole length of the barrel.



The Sako 75 safety is either on or off. Period. The special 2-way safety locks both the trigger and the bolt handle as well as blocking the firing pin. The Sako safety also features a unique bolt release button in front of the safety catch, which allows you to load or remove a cartridge from the chamber with the safety engaged.





Key Concept® is the first ever integrated rifle lock. A practically invisible lock that totally blocks the firing pin and prevents bolt movement. True to Sako's drive for functional and stylistic design, our craftsmen wanted Key Concept to be totally integrated, which leaves Sako rifles' lines as they have always been - sleek and smooth. Locking immobilizes the firing pin and the bolt: the rifle

cannot be loaded or fired. Key Concept gives you, total security control over your firearm. The actual lock system of the Sako Key Concept has been subjected to grueling performance and safety tests with different loads and in all weather conditions. We will not compromise our standards as the most accurate factory-made premium rifle in the world.



**KEY CONCEPT®**

*you're in control*



*Scope and scope mounts are optional.*

Sako's clockwork-like accuracy is legendary. It is achieved through painstakingly developing and balancing all aspects of the rifle: three locking lugs, five ultra-smooth guiding surfaces, mechanical ejector, truly free-floating barrels, five action sizes for perfect cartridge-action fit, cold-hammer forged barrels individually inspected and finished, special safety mechanism, balanced stocks... the list is almost endless. The outcome is a rifle that feels extraordinarily smooth and solid, providing performance that can take your marksmanship to a new level in no time.

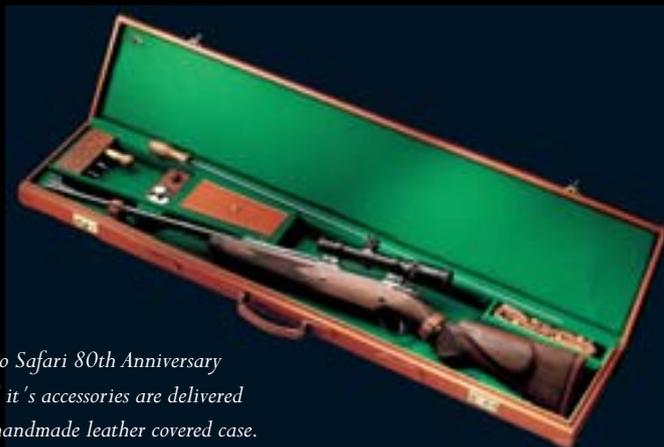
Sako 75 Varmint is a long-range hunting rifle built to deliver pinpoint accuracy for hunting and target shooting. Inherently accurate Sako 75 design. Different action sizes for perfect cartridge/action match. The heavy, totally free-floating barrel diminishes vibration and recoil, making it easy to zero-in and stay on the target. Selected top grade walnut stock is built for accuracy and comfort with extra-wide, flat-bottomed beaver-tail fore-end.

Sako 75 Varmint Laminated Stainless comes with all the same qualities as our Varmint model. Laminated stock and stainless metal parts make it perfect for all conditions.

**sako** **75**

You can expect something special when a rifle-maker famous for offering custom features as standard, builds a custom. Sako Custom Shop creates bolt-action rifles for connoisseurs who want an unmistakably personal and handmade gun. Built with uncompromising attention to detail and honed to perfection by our master gunsmiths, one by one. For further information and orders, please contact your Sako dealer or distributor.



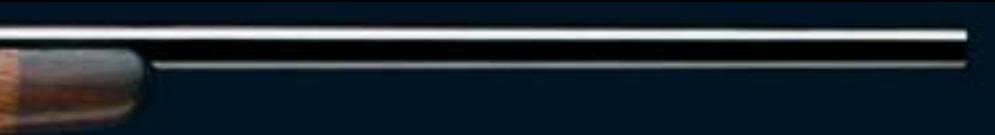


*Sako Safari 80th Anniversary  
and it's accessories are delivered  
in handmade leather covered case.*

The Sako 75 Custom Big Game Deluxe 416 Rem Mag is purpose built for big game hunting. It has a Sako 75 Magnum action that is specially designed for belted H&H size Magnum cartridges. The durable bolt is machined from a single special steel forging and has no weldings. Controlled cartridge feed combined with three locking lug bolts - exclusive to Sako - gives this beauty reliability in all hunting situations. The fixed magazine, with hinged and engraved floorplate holds four cartridges. The stock is provided with two cross bolts and an extended recoil lug that is glass bedded on the fore-end. Open sights with post bead are adjustable for windage. On request, also available without open sights.

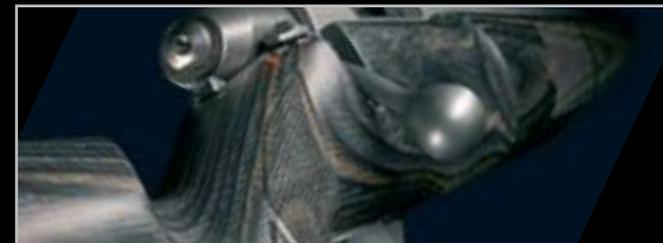
The 80th Anniversary of Sako inspired the creation of the Sako Safari 80 rifle. The edition consists of 80 custom rifles, each numbered and individually hand crafted from premium materials. The hand-engraved floorplate and the possibility of engraving a personal symbol in the pistol grip's silver plaque further individualize each rifle. The chosen caliber of .375 H&H Mag offers perhaps the most versatile hunting power anywhere in the world and the construction of the massive Sako 75 Magnum action provides reliability and safety in all hunting situations. The rifle, Swarovski PV-I 1,25-4x24 scope, Optilock Quickmount and custom-built tools come in a handmade leather case.





The Sako 75 Custom Deluxe is a beautiful, long action (size IV) rifle with hand-polished and deeply blued metal parts. This custom model is available with an optional single-set trigger, while the engraved trigger guard comes as a standard feature. The fixed magazine with hinged floorplate holds 5 cartridges and the floorplate may also be engraved. The oil-finished hand-checked (24 lines/1") walnut stock with rosewood fore-end tip and pistol grip cap is hand-crafted from selected exhibition grade blanks. An additional pistol grip cap plate of polished silver is included. Delivered complete with a Sako carrying case.

The Sako 75 Custom Single Shot has no magazine. Cartridges are loaded one by one and fed into the chamber by throwing the bolt forward. All metal parts are made of stainless steel or are specially coated to ensure excellent wear and corrosion resistance. The action (size III) is glass bedded on the stock to ensure excellent accuracy. The heavy, fluted, totally free-floating barrel is cold-hammer forged and the laminated hardwood stock is matt lacquered. Delivered with a Sako carrying case.



Both models are delivered with a carrying case.

Sako TRG is a total accuracy concept designed to fulfill the needs of special forces and law enforcement long-range marksmen around the world. Available in two models: TRG-22 and TRG-42.



TRG Black



TRG Stealth





*TRG-42 Green with phosphatized barrel and optional accessories.*

Tactical (Picatinny) rail is compatible with USA MIL-STD 1913.

Tactical scope mount for modern three turret tactical scopes (30 and 34 mm tube diameter). The mount has 0.5 degree elevation allowance (30 MOA) for better adjustment range capability in long range shooting.

This spectacular result of 100% Sako innovation gives you performance that transcends the highest demands for accuracy, reliability and versatility. The TRG is designed to meet individual demands and adjusts to each shooter's personal style, build and posture. The trigger, cheekpiece and buttplate are fully adjustable. Configurations include black and green stock with different finishes on barrel and action. Also available in an all-black stealth configuration featuring black stock and bolt with phosphatized barrel and action. Fully adjustable high-tech aluminum reinforced composite stock. The TRG-22 in 308 Win handles a multitude of accuracy tasks: it is a thoroughbred 300 m UIT standard competition rifle, a CISM competition winner and serves the governments of several nations as their primary sniper rifle. The TRG-42 in 300 Win Mag and .338 Lapua Mag is a true long-range precision tool for special forces or competition. It can be equipped with various accessories to fulfill the demands of tactical snipers. Super target grade barrels, specially made for TRG (Cr-Mo or stainless), are cold-hammer forged.

The solid vault-like action is cold-hammer forged from special steel alloy. Integral 17 mm axial scope mounting rails with integral recoil stop-slots on the top of the receiver. The sturdy bolt with three locking lugs feeds rounds unflinching from the centerline of a detachable staggered 2-row magazine. Reliable feed with various ammunition types. Bolt lift angle is only 60° for fast bolt throw.

Optional TRG accessories include a very effective 3-chamber muzzle brake, innovative clip-on bipod, extra magazines, auxiliary sights, mirage strap, scope mounts, picatinny interface, sling and swivels, cleaning kit, transportation case as well as spacers for cheek piece and butt plate.





Sako Finfire rimfire rifles are designed to look and feel like Sako 75 center-fire rifles. They deliver the same out-of-the-box accuracy as their big brothers. The action is milled from a solid block of special steel. The trigger unit is the same as in high-power rifles.

Muzzle thread for sound suppressor optional on all Finfire models. Protective thread cap included.



*Scope and scope mounts are optional.*

There's an essential aiming device which too many shooters overlook: the scope mount. The Sako Optilock™ requires you to set your sights only once. Just think - you need to remove the scope for oiling, cleaning or to change optics to match a tricky shot or a new situation. With Optilock, you won't have to go through all the trouble of zeroing-in again.

Easy matching to any scope and rifle. New Optilock mount bases and rings are available in their individual blister packages. This makes it easy to find the proper base, ring height and diameter combination for your rifle and scope model.



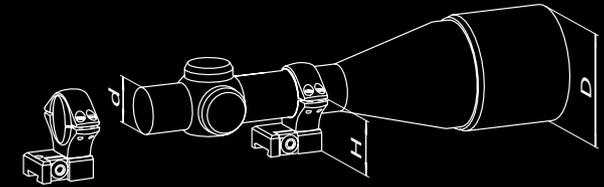
IN 2004 WE INTRODUCE NEW MODELS INTO THE OPTILOCK SCOPE MOUNT FAMILY:



*Sako Optilock Ring Mounts are now available in stainless steel. Provides light weight and low Optilock mounting for compact scopes.*



*Extra Low Base Mount. This is the lowest possible base-style Optilock mount, providing a compact package for great performance and looks.*



#### Sako Optilock Ring Mounts

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

#### Sako Optilock Base Mounts

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 S/S	25.4 / 26	Low 30.5	55...63
1" ME	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 S/S	30	Low 32.5	59...67
30 mm ME	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

#### Sako Optilock Quickmounts

1" LO	25.4 / 26	Low 30,5	55...63
1" ME	25.4 / 26	Medium 35,5	65...73
30 mm LO	30	Low 32,5	59...67
30 mm ME	30	Medium 36,5	67...75

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

Integral tapered dovetail rails on the Sako 75 action featuring a limiter pin slot.



Limiter pin of the Optilock rear base.



The combination of integral dovetail rails and Optilock mounts is the smartest and surest way to mount a scope on your high-power rifle. Adjustable levers make removal and remounting of Optilock Quickmount precise and easy.



**OPTILOCK™**

The Sako Optilock gives you a double benefit by offering better performance and enhanced ease of use. As enthusiastic hunters, we know there's never too much of either.

Optilock bases are machined from a solid block of Cr-Mo alloy or stainless steel, 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 combined with Sako rifle's integral dovetail rail allows you to adjust the horizontal position of the scope objective end without touching the scope adjustment. The rear base matches the form of the rear dovetail so that the rifle and base mate perfectly. The limiter pin fits exactly the integrated slot into the rear bridge of your Sako. Optilock rings are available in three heights and two diameters: 25.4 mm (1 in) and 30 mm to fit any scope. Like the bases, the rings are made in Cr-Mo alloy and stainless steel. The inner scope saver ring is made of polymer and acts as a ball bearing to prevent the scope tube from being deformed.

The Sako Optilock scope mounts are now even more practical thanks to innovative new practical fast-action levers and design. The levers are adjustable, making the removal and remounting of the scope precise and easy. In big game hunting, the situations may require you to remove the scope in seconds and use open sights. Sako Optilock Quickmount allows you to do that leaving no distracting base components on the action. To remount, just push the unit back to the dovetail rails of your Sako all the way into the slot on the receiver, tighten the levers and you are all set! The scope is now as perfectly zeroed-in as before.

Making both rifles and cartridges is a question of pride as well as offering the best cartridge/action fit in the market, with all the performance benefits it brings to you. 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. The other challenge we enjoy is listening to shooters' needs and introducing exciting new products quickly. OK, shoot.



What's great in shooting, is that practicing is exactly the same as the real thing. It's . . . shooting. Exciting, relaxing, satisfying – and sometimes pretty frustrating. But there's a way to avoid the low points.

In order to progress to higher levels of marksmanship, you need consistency and self discipline. And one of the most important factors is always to use the same cartridges, both on the range and the field. Without acquiring an instinctive feel for your cartridges' ballistics, you'll never know how good you really are – and you could miss that demanding trophy shot.

At Sako, we are proud that we have made the cartridge/action fit into an art form. We actually match the action to the cartridge. The result is a perfect marriage. To go to the trouble and expense of offering five action sizes proves the extremes we are ready to go to give you world-leading performance.

Test our new Short Magnum action, specially tailored for the 270 and 300 WSM cartridges. At the same time we are introducing a .300 WSM cartridge, loaded with our famous Super Hammerhead bonded core boat-tail 11.7 g (180grs) big game bullet. The Sako 75 SM rifle with our new load is a modern, effective but light combination for a hunter looking for a top-notch, flat shooting and accurate hunting rifle.



*Sako Super Hammerhead*



*Sako Hammerhead*



*Powerhead*



*Twinhead*



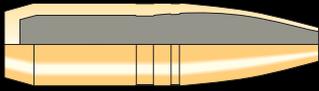
*Arrowhead*



*Ramhead*

### 9.3x66 Sako

The 9.3x66 Sako has all the advantages of the popular 9.3 caliber, the performance of the 375 H&H, superior ballistics and penetration. The small, non-belted cartridge is easier to handle and has better feeding features than the bulkier Magnum size 375 H&H.



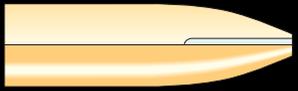
1

Sako Super Hammerhead (1). Heavy, strong and non-fragmenting jacket ensures controlled expansion. Bonded core construction produces high weight-retention and good penetration. Boat-tailed for high ballistic efficiency and flat trajectory – perfect for all ranges. First developed and tested in Sako ballistic laboratories, followed by extensive big game hunting tests focusing on moose and whitetail deer.



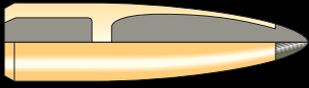
2

Sako Hammerhead (2) is a heavy, soft point bullet for large calibers. Specially designed for moose and other big game. Bonded core construction prevents core separation even when hitting tough hide or bone. Excellent stopping power and controlled mushrooming.



3

Powerhead (3) - the famous all-copper expanding hollow point Barnes-X® is one of the finest hunting bullets in the world. The all-copper material ensures deep penetration with even mushrooming and virtually 100% weight retention.



4

Twinhead (4) is a soft point bullet (Nosler Partition®) with two separate lead cores. The enclosed rear core retains at least two-thirds of the original weight for deep penetration. The solid integral partition supports the expanded mushroom and retains the rear lead alloy core even when hitting bone.



5

Speedhead (5) is our full metal jacket bullet that delivers ultimate accuracy for target shooting, furred small game and bird hunting. FMJ produces minimal pelt and tissue damage.



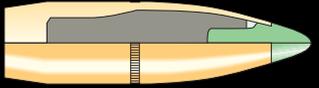
6

Gamehead (6) is an economically-priced soft point bullet of simple and sturdy construction. The Gamehead is an excellent all-purpose bullet for quick kills.



7

Racehead (7) is a hollow point bullet (Sierra Match-King®) developed solely for competition rifle shooters. When high scores are shot and championships won, in many cases the cartridge is Sako Super Match with the Racehead bullet.



8

Arrowhead (8) is a ballistically advanced big game bullet 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. Especially suitable for long shots in open terrain.



9

Ramhead (9) is a strong, round-nosed, solid brass bullet (Barnes Solid®) that contains no lead and has a double diameter design. The frontal section has a smaller diameter riding on top of the rifling, the rear section has a diameter of the grooves, thus giving the bullet stable and accurate gyroscopic stability with less friction. The bullet does not lose weight upon tissue penetration, thus giving reliable, deep penetration. Ramhead is a very reliable big game bullet for special hunting situations such as shooting dangerous heavy game from frontal or rear shots. Suitable also for hunting small deer and antelope without any waste of edible meat.



10

Cuthead (10) is a competition and training bullet for reloaders. Its cutter groove cuts a clean hole for easy score interpretation. Cuthead is available as reloading component in two versions: 145A, 8 g/123 grs Full Metal Jacket and 147A, 6,6 g/102 grs Hollow Point boat tail. Both in caliber .30.



There's a way to hone your shooting skills without blowing up your wallet. Sako Range gives you training and competition cartridges in selected popular calibers and in large affordable boxes. You can now burn the powder as long as your shoulder can take it.

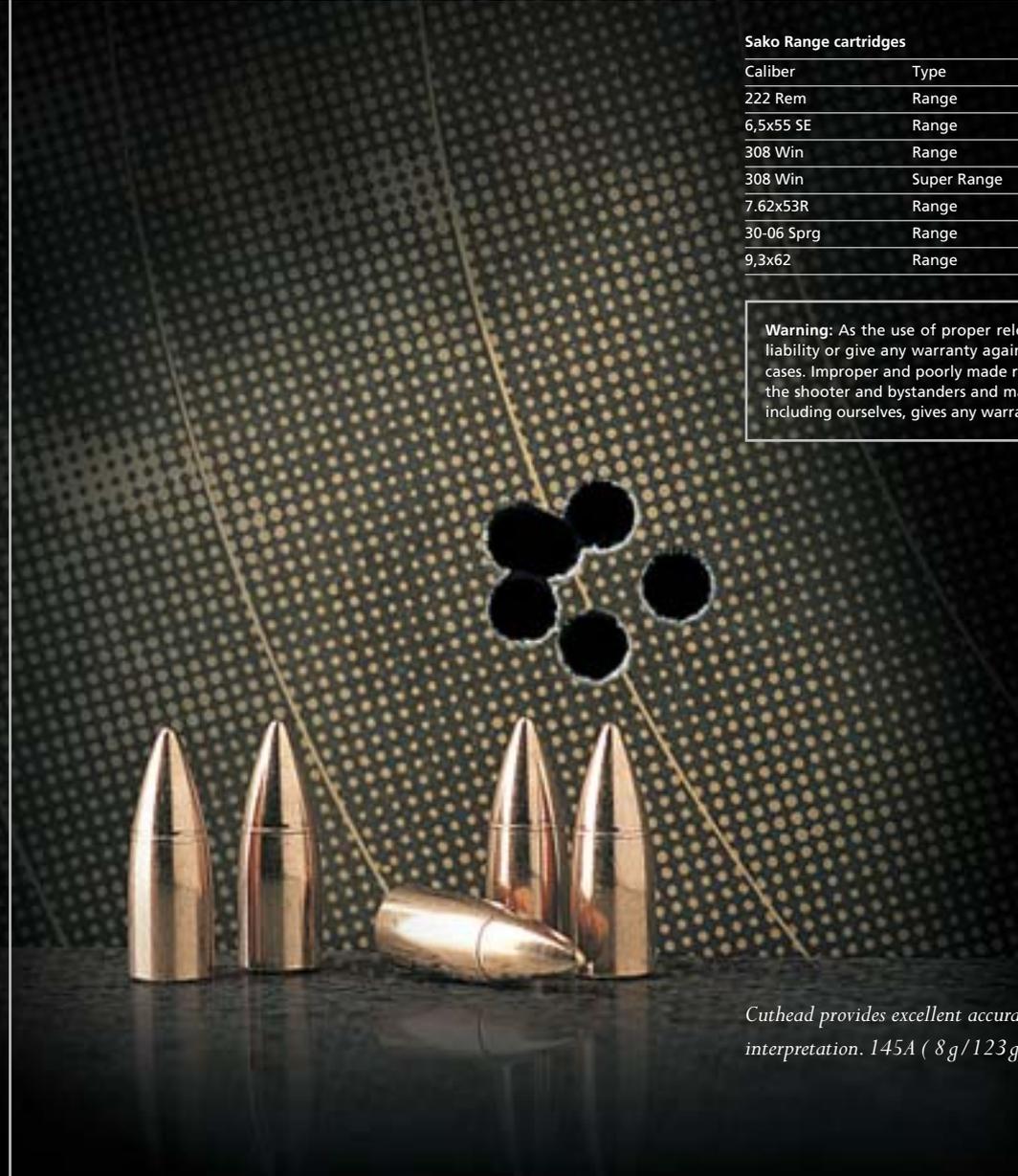
You learn the performance of your ammunition with a lot of practice. It is recommended to use the same manufacturer's cartridges for training as you use for hunting. For this reason Sako has designed a "heavy user" selection of range cartridges that come in boxes of 50 or 100. Their affordability is due to high volume and no-frills packaging, the benefits of which we transfer directly to you. However, the quality standard is the same as in Sako's hunting cartridges. The logic is simple – we want you to have an opportunity to be the best you can.

#### SAKO RELOADING COMPONENTS

Sako cases and bullets have the tough quality, high accuracy and durability that makes them popular with reloaders. Our high-quality brass cases are great favorites as they have the reputation for outlasting the competition. They have been tested to sustain repeated loading noticeably better than standard cases. The easiest way to get quality cases is to buy Sako Range competition and training cartridges – and get the first shot off without hassle.

Sako bullets cater for special needs. For example, the Cuthead competition and training bullet's cutter groove cuts a clean hole for easy score interpretation.

For highly customized properties, we also manufacture tailored cases to order. Please write or call - we will be happy to tell you more.



This year the Sako Range family grows by two new members. Popular calibers 222 Rem and 9.3x62 are now available in bigger and more economical packaging.



#### Sako Range cartridges

Caliber	Type	Weight, g / grs	Muzzle velocity, m/s	Box, pcs
222 Rem	Range	3,2 / 50	975	100
6,5x55 SE	Range	6,5 / 100	800	50
308 Win	Range	8,0 / 123	900	50
308 Win	Super Range	6,6 / 102	950	50
7.62x53R	Range	8,0 / 123	900	50
30-06 Sprg	Range	8,0 / 123	900	50
9,3x62	Range	15,0 / 231	770	50

**Warning:** As the use of proper reloading procedures is beyond our control, we assume no liability or give any warranty against damages or injuries caused by use of reloads in these cases. Improper and poorly made reloads can ruin your rifle. They can also be dangerous to the shooter and bystanders and may cause serious injuries or death. No rifle manufacturer, including ourselves, gives any warranty on rifles when reloads are used.

*Cuthead provides excellent accuracy and easy score interpretation. 145A ( 8g/123grs ) pictured.*





Established in 1921, Sako has a varied and eventful history. First created to build and service firearms for the Civil Guard in Finland, the company played a key role in Finland's struggle for survival during the storms of the WWII. Later, the company grew through focusing on production excellence, honouring its dedicated craftsmen and personnel, and providing innovative solutions to shooters' emerging needs. For decades Sako has developed world-class military, target and hunting rifles as well as cartridges. By integrating its knowledge of both the rifle and cartridge production, Sako brand can offer a shooter the unique advantages of uncompromising accuracy and reliability.



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