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IT'S A PRIVILEGE





NORMA AMMUNITION – THE STANDARD FOR HUNTERS AND MARKSMEN WORLDWIDE



The manufacture of hunting and match ammunition is a question of insight, respect and confidence.

INSIGHT

We understand the practical demands of ammunition, in the forest as well as at the target range. So when you load your weapon with cartridges from Norma, you can rest assured that you've chosen the very best.

RESPECT

It doesn't matter whether you're standing before a huge buffalo in the African savannah, or you are stalking a Fallow Buck on a warm afternoon in May. We know that you expect highest standards for your ammunition, regardless of where you are. Maximum reliability, high accuracy and optimal performance of the cartridge are always of equal importance. There is a big difference between shooting in a world championship and just target practicing for the hunt. We place high demands on ourselves to make sure that your ammunition is of the highest quality available. No matter what task you ask of it.

CONFIDENCE

Norma is a world-leading producer with more than 100 years' experience in manufacturing ammunition for hunters and expert shooters. Our line includes more than 132 different types of cartridges in more than 45 calibers. We conduct continuous research and development using the knowledge and experience of hunters and expert shooters around the world as a base so that we can be even better.

**IT'S OUR STYLE TO RESPECT
YOUR CONFIDENCE IN US.**

PRIVILEGED

Quite a few times during the last several years, I've stopped, looked around me, pinched myself and said "You are one privileged guy, Torbjörn!". I remember, a cold clear winter morning with sparkling snow and radiant sunshine in the Nebraska hills, hunting buffalo, or lying in wait for wild boar and deer on a hunting stand in a beech wood forest along the shores of the Danube in Hungary. A meeting with eternity in Namibia.

It's an overwhelming feeling of peace, solitude, and closeness to nature where we all originated.

I think about all the people who have never had the opportunity to experience these things and I realize how fortunate that I am. Opportunities come and go and nothing lasts forever, so as long as I have the chance and am able, I'll continue to enjoy these unequalled opportunities.

When I joined Norma, I did not have the faintest idea about the joy of hunting. It has been eight years since I left the electronics industry, which is a marvel of high technology, super fast machines and progress. But it's hard to get excited over a green circuit board full of components, wired for some unknown purpose. What is exciting is a Sauer 202 rifle with a Schmidt & Bender scope at your side on the hunt. It makes me happy to think about it.

Our products are hi-tech, but hunting is based on feelings. You can discuss technology as long as you want to but in the end, you follow your heart when it comes to choosing a gun or ammunition. That's how hunters are wired, and they often choose Norma.

We're grateful for that!



TORBJÖRN LINDSKOG, CEO



www.okondura.com

CONTENTS:

- 02-03 Privileged
- 04-05 The demands of reality
- 06-07 Norma Oryx – the universal bullet
 - 08 Hunting in Scandinavia with Norma
 - 09 Hunting in Russia with Norma
- 10-11 Choose the right hunting bullet
- 12-13 Hunting in Europe with Norma
 - 14 Norma – Always one step ahead
 - 15 Safer hunting with support
 - 16 Hunting with Norma's full metal jacket
 - 17 Sighting in the firearm
- 18-19 Norma Jaktmatch
 - 20 Hunting in Africa with Norma
 - 21 Norma's OEM customers
- 22-27 Hunting line and ballistic data
 - 28 Hunting in North America and Oceania with Norma
- 30-31 Norma handloading components
 - 31 Norma Loading Manual
- 32-33 Norma Diamond Line
 - 34 Norma's match line
 - 35 Norma .22 Long Rifle – Pistol and Revolver cartridges
- 35 Norma's Promotional products
- 36 Norma's Representatives export

PERSONAL EXPERTISE — MODERN TECHNOLOGY

Making first-class ammunition requires everything from manual control by a trained and reliable eye to advanced lab and measurement equipment.

The combination of sound knowledge, individual creativity and modern technology forms the basis to meet the realistic requirements for effective ammunition.



Bonding



Measuring hardness



Gauging

Schmidt & Bender telescopic scope

Compact, durable and elegant.
Perfect in extreme conditions and
low light.

The Zenith model is the shortest
scope on the market with a 56 mm
objective lens. Available with illu-
minated and Flashdot reticle.

Info: www.schmidtbender.com

Sauer 202 rifle

A reliable hunting partner with
unbeatable accuracy.

Modular system with interchan-
geable barrels of various calibers.

Steel or aluminum receiver and a
magazine capacity of 3-5 rounds.

Effective trigger guard safety
lock, one of the quietest on the
market.

More info: www.sauer-waffen.de

THE DEMANDS OF REALITY

From an international perspective, Sweden is a unique country to hunt. It offers a fantastic hunting experience.

The concentration of moose is higher than in any other country in the world. Over the last 100 years 4.5 million moose have been harvested. At least 3 million of these were shot with Norma cartridges.

The use of Norma ammunition for hunting has provided us with the experience and awareness of the demands that our customers place on us.

Our awareness of what our customers demand, has created first-rate ammunition for both hunting and elite level competition shooting. The Norma team has the expertise and in-depth know how to provide the best.

Our key persons in production, development and sales are all skilled hunters, active shooters, or have a back-ground in high level shooting competition. We are proud of our people.

They settle only for the best, and this has made Norma a world leader in the manufacture of civilian ammunition.



Oryx combines rapid expansion and energy delivery with maximum weight retention and deep penetration. This is a necessity to insure safe and effective shooting results at different distances, on game of all sizes.

PERFECT EXPANSION

The specially and carefully designed forward portion of the jacket lets the Oryx bullet expand rapidly to more than twice its diameter. The core, however, remains firmly against the jacket wall even when heavy bone is hit and the bullet seldom loses more than 10% of its original weight.

LARGE WOUND CHANNEL

A large frontal surface and minimal weight loss of the bullet provides deep penetration and a broad, permanent wound channel that quickly downs the animal. The natural choice for hunters with high standards.

Oryx has become a great success. The ever increasing demand from hunters has expanded our range of ammunition offered with the Oryx bullets. See page 10.

NEW!

NORMA ORYX – UNIVERSAL BULLET FOR HIGH STANDARDS OF ACCURACY AND EFFECTIVENESS





ORYX – BONDED SUCCESS

"Bonding" is when a bullet's jacket and core are soldered together to add strength and prevent jacket separation under high stress.

SUPERIOR ADHESION

For Oryx, Norma uses a very advanced bonding process that provides superior adhesion between the jacket and core. The forward jacket wall must be thinned and properly dimensioned to achieve perfectly controlled expansion even at low velocities or with soft-tissue hits.

INTERNAL SPLITTING ZONES

The Oryx tip has internal splitting zones and a special technique leaves the outermost part of the tip unbonded. These details distinguish Oryx from other bonded bullets and make it very versatile under the most diverse hunting conditions.

ORYX

The Oryx holds together even when there is a solid hit on heavy bone, and leaves few fragments in surrounding tissue. This also prevents the bullet from deviating from its course inside the body cavity.



This .30-06 caliber Oryx bullet was removed from a bull moose with a live weight of 350 kg. The bullet hit the ribs and lungs yet the retained weight is still 96%.

At the edge of the jacket, you can see the splitting zones and the non-bonded section of the tip.



Superior adhesion between jacket and lead core. A ground down Oryx bullet can easily tolerate being twisted 90 degrees without the jacket separating from the core.

SOFT POINT

A conventional soft point bullet often fragments when bone is hit.

In the worst case, there is total fragmentation or the core can separate entirely from the jacket.



HOW YOUR ORYX BULLET WORKS

The speed and extent of a bullet's expansion depends on the striking velocity and the resistance met. But it's not always possible to determine the shooting distance or size of the game beforehand. That is why Oryx is designed to

work even in extreme cases. Low striking velocity and light game or heavy game at close range makes no difference – Oryx always performs properly.



Successful hunting is seldom due to luck or chance. More likely, it is because skillful and experienced hunters have the ability to use their skills properly, even under difficult circumstances.

They don't worry about details concerning the firearms and equipment either. Those can be prepared and checked in peace and quiet before the hunt.

When the opportunity arises, though, and the gun is lifted to the shoulder, it's not just your own abilities that are put to the test.

YOU CAN COUNT ON NORMA

You have to be able to count on the cartridge you've loaded and count on the bullet to do its job. Safe and effective regardless of how or what you're hunting.

We know what's important when things get serious and we never leave anything to chance. The nature of Scandinavian hunting varies from the beech wood forests of Skåne to open cultivated lands with wild boar, red and roe deer, to pure taiga and tundra with moose, bear and game birds.

The span is huge, when it comes to surroundings, weather and hunting conditions.

We always consider this when we work on development so that we can create cartridges that you can always count on.



NORMA – THE RIGHT CHOICE AT THE MOMENT OF TRUTH





Chevalier – hunting apparel for the 21st century

Forget the wind, rain and the cold and enjoy hunting instead. For more than 50 years, we have tested and developed clothing for hunting and rugged outdoor life. No matter what your standards are, we have what you're looking for.

More info: www.chevalier.se

The Iron Horse – this “thoroughbred” from Värmland has the strength and agility needed for retrieving game.

The area where the shot hit its mark could be far away from the nearest road. This usually means a lot of hard work in dense forest or water-logged bogs. With the Iron Horse, you can get around everywhere, even with two moose at the same time. Easy to maneuver – only one person needs to retrieve. Everyone else can take a coffee break!

Read more at: www.lennartsfors.com



HUNTING IN RUSSIA WITH NORMA

In Russia there are great challenges and a fantastic variety of species to be had. Huge maral deer, and the Marco Polo argali, the world's most magnificent mountain sheep with a trophy as hard to come by as it is coveted.

Russian wild boar in certain areas can reach an impressive size and Siberian roebuck make our largest European roebucks look like kids.

RUSSIA – A BEAR HUNTER'S PARADISE

From Moscow to the Ural region, you can find the European brown bear and they can be quite large. For those who want to continue the long journey eastward to Kamchatka and real adventure, the world's biggest brown bears are waiting. Weighing up to 600 kg and measuring nearly one and a half meters up to the shoulders, it is one of the world's most fantastic predators.

Your best hunting partner there is a gun with a caliber of at least .308 or .30-06 with cartridges from Norma.

CHOOSE THE RIGHT HUNTING BULLET

Besides Oryx, Norma manufactures a line of other hunting bullets for a variety of uses. All of them have been developed with the help of hunters from around the world.

Norma works together with several of the world's most renowned manufacturers of hunting ammunition, which makes it possible for us to offer a wide range of hunting cartridges that meet most needs. You can see other hunting bullets on page 11.

A BULLET'S PERFORMANCE WHEN IT HITS GAME DEPENDS ON SEVERAL FACTORS

The most important are striking velocity and the resistance the bullet meets when it makes a hit.

A general rule under normal circumstances is to use easily expandable bullets of moderate to low velocity calibers, and solid nose or bonded bullets of high velocity or magnum calibers.

If shooting distances are often long, however, and you use a magnum caliber to get a flat trajectory, you may need to use a bullet that expands easily to achieve good expansion at the lowest striking velocities, as may be the case at long distances.

If you often hunt game that is difficult to take down from short or moderate shooting distances, it may be wise to use thick jacketed and bonded bullets with low velocity calibers.

There can be extreme variations in hunting conditions throughout a single day, which is why it is impossible to make a bullet that is optimal for every hunting situation.



Norma Oryx

Oryx is a bonded all-around bullet that can withstand extreme deformation without separation of the jacket from the lead core. The specially designed forward portion of the jacket lets the Oryx bullet expand rapidly to more than twice its diameter. Even when heavy bone is hit, the bullet holds together and seldom loses more than 10% of its original weight.

A large frontal surface makes for rapid energy delivery and the bullet's minimal weight loss allows deep penetration and a broad, permanent wound channel that quickly downs the animal.

Available in the following calibers:

.243 Win. **NEW!**
6,5x55
.270 Win. **NEW!**
.270 WSM **NEW!**
7x57 R
7x57
.280 Rem.
7x65 R
7x64
7 mm Rem. Mag.
7,5x55
.308 Win.
.30-06
.300 WSM
.300 Win. Mag. **NEW!**
.308 Norma Mag. **NEW!**
8x57 JRS
8x57 JS
.338 Win. Mag. **NEW!**
.358 Norma Mag. **NEW!**
9,3x57 **NEW!**
9,3x62
9,3x74 R
.375 H&H **NEW!**



Norma Vulkan

The Vulkan bullet does not have the traditional lead tip.

Instead, the forward portion of the jacket is inverted around the lead core to prevent deformation no matter how the bullet is treated.

The forward portion of the jacket wall is thin which allows rapid expansion and high energy delivery.

For high velocity calibers, Vulkan has an extra lead lock to prevent jacket/core separation.

Available in the
following calibers:

6,5x55
7x65 R
.280 Rem.
7x64
7 mm Rem. Mag.
.308 Win.
.30-06
8x57 JS
8x57 JRS
9,3x62
9,3x74 R



Norma Alaska

The Alaska bullet is a tried and true, semi round nose, traditional soft point bullet with a gilding metal jacket.

It is best suited for moderate to low velocity calibers for slow and even expansion. The 6.5 mm Alaska bullet, often used in slightly higher velocity areas, is equipped with an extra lead lock.

Available in the
following calibers:

6,5 Jap.
6,5 Carcano
6,5x55
7,62 Russian
.308 Win.
.30-06
8x57 JRS
8x57 JS
9,3x57
9,3x62
9,3x74 R



Norma Plastic Point

The Plastic Point bullet is designed for high energy delivery and good penetration.

The lead core is somewhat set back into the jacket and the nose is equipped with a plastic tip. This eliminates the problem of tip deformation in the magazine due to recoil or when quickly reloading.

The forward portion of the jacket has splitting zones to guarantee rapid expansion and the strongly reinforced base ensures good penetration.

Available in the
following calibers:

7x65 R
.280 Rem.
7x64
7 mm Rem. Mag.
.308 Win.
.30-06
.300 Win. Mag.
9,3x62
9,3x74 R





Norma Soft Point

The Soft Point is a conventional half-jacketed bullet primarily intended for small to medium sized game.

The bullet opens quickly, and at high velocities it is suitable for smaller game where immediate shooting results are desirable.

It is also the right choice to use on smaller game at lower velocities

Available in the following calibers:

.222 Rem.
.223 Rem.
.22-250
.220 Swift
5.6x52 R
.270 Win.
7.7 Jap.
7.65 Arg.



Norma Full Metal Jacket

The Full Metal Jacket is a target bullet that is also excellent for bird and pelt hunting.

The semi-spitzer tip is very effective on small game.

Available in the following calibers:

.222 Rem.
5.6x52 R
.243 Win.
6.5x55
7x57 R
.270 Win. **NEW!**
.270 WSM **NEW!**
7x65 R **NEW!**
7 mm Rem. Mag.
.308 Win.
.30-06
.300 WSM **NEW!**
.300 Win. Mag.
.338 Win. Mag.
8x57 JRS **NEW!**
8x57 JS
9.3x57
9.3x62



OTHER HUNTING BULLETS

Barnes Solid

Barnes Solid is a solid copper/zinc alloy bullet.

It is designed for hunting large, tough game that requires high penetration power.

The bullet's shape and solid construction keep it on course, which prevents it from tipping if it meets tough resistance on impact.



Calibers:

.375 H&H
.416 Rigby
.458 Win. Mag.

Barnes Triple Shock

A new hollow point bullet from Barnes made from solid copper.

The bullet has grooved rings that reduce pressure and increase muzzle velocity.

The all-metal construction results in maximum weight retention and deep penetration.



Calibers:

.270 WSM
7 mm Rem. Mag.
.300 Win. Mag.
.300 WSM

Swift Scirocco

The Swift Scirocco is a polymer tipped, bonded bullet with a boat tail base and very thick jacket.

The polymer tip and design of the jacket's forward portion allow early expansion.

Bonding and a tapered shape designed to provide low aerodynamic drag make this bullet suitable for high velocity calibers.



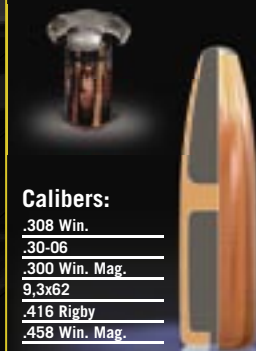
Calibers:

7 mm Rem. Mag.

Swift A-Frame

The A-Frame is a thick jacketed, bonded bullet with a solid partition in the middle. The construction guarantees high weight retention and deep penetration.

It is very suitable for tough and hard to penetrate game and high velocity calibers.



Calibers:

.308 Win.
.30-06
.300 Win. Mag.
9.3x62
.416 Rigby
.458 Win. Mag.

Nosler Partition

The Nosler Partition has two separate lead cores with a solid partition between them.

The forward portion expands rapidly and has high energy delivery. The base remains intact even when bone is hit and it ensures deep penetration.



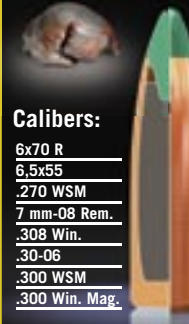
Calibers:

6.5x55
6.5x284
.308 Win.
.30-06

Nosler Ballistic Tip

The Ballistic Tip has been constructed to provide minimal aerodynamic drag and good flight properties.

The boat tail base and polycarbonate tip ensure very flat trajectories at all velocities.



Calibers:

6x70 R
6.5x55
.270 WSM
7 mm-08 Rem.
.308 Win.
.30-06
.300 WSM
.300 Win. Mag.

Nosler Accubond

A new bonded bullet from Nosler with a reinforced jacket base, tapered configuration and polymer tip.

Excellent flight properties and high accuracy are combined with deep penetration and controlled expansion.



Calibers:

7x64
.30-06
.300 Win. Mag.

Woodleigh Soft Nose

Expanding big game bullet with the original Kynoch profile that enhances simultaneous shooting and eases regulation of double rifle barrels.



Calibers:

.470 Nitro Express

Woodleigh Full Metal Jacket

Bullet with copper clad steel jacket and Kynoch profile. The forward portion of the bullet is reinforced to prevent deformation and ensure maximum penetration in the biggest and toughest game.



Calibers:

.470 Nitro Express

Hunting on the Continent is filled with traditions and rituals that can seem foreign to a Scandinavian hunter at first glance.

Where space has been limited for both game and people for a long time, it follows naturally that the original hunt to provide food on the table has evolved into a specific means of cultural expression that is surrounded by traditions.

UPHOLD HUNTING

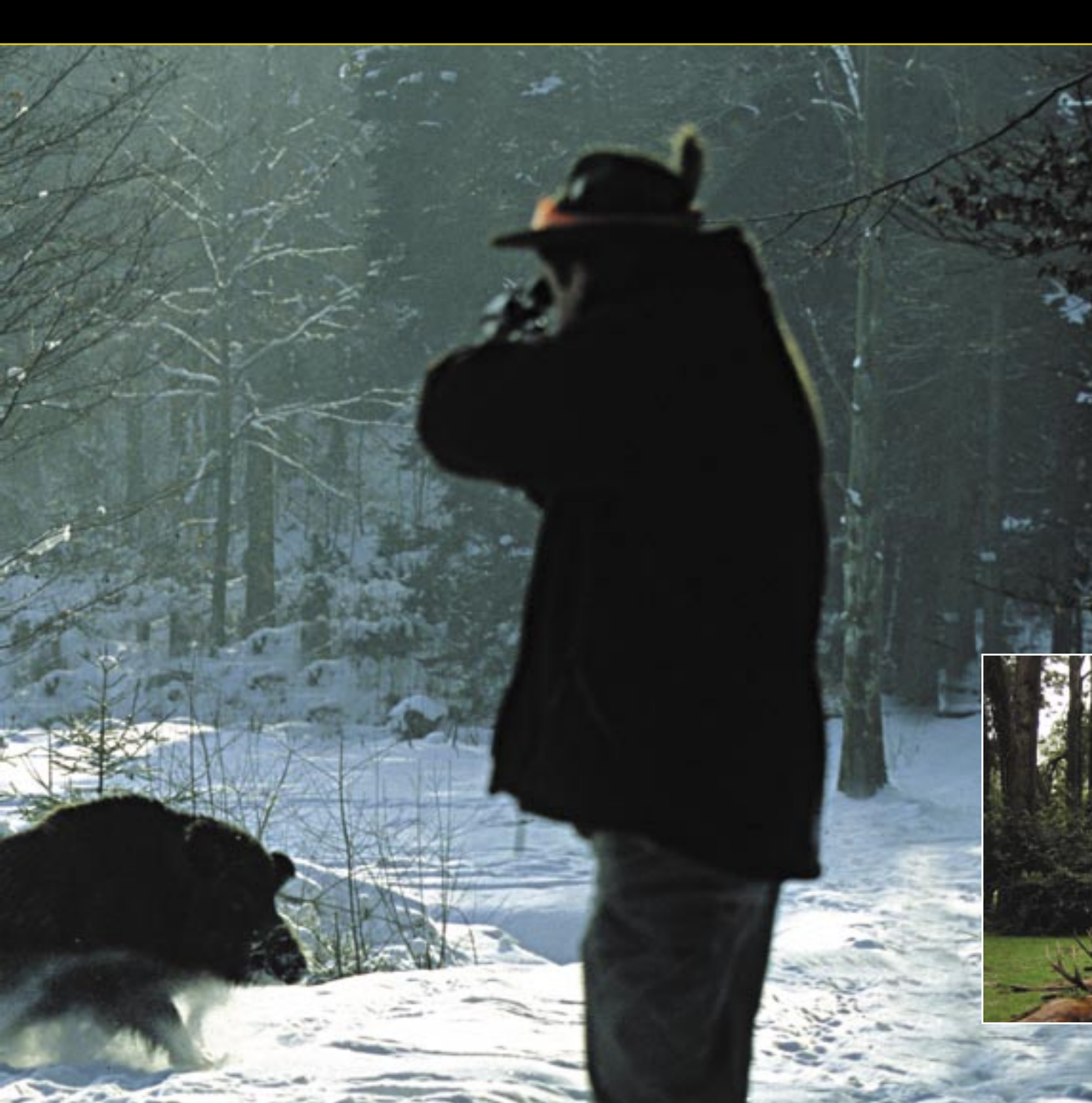
There is really only one way to uphold hunting as a phenomenon in a modern society, and that is by maintaining the view that game and hunting are resources that provide harmony for people in an ever more confusing and stressful cyber world that we are not made for.

From time immemorial, hunting has been one of the foundations for the progress and development of humanity. We also know that European hunting cultures respected and honored game animals since they were directly dependent on them for their own survival.

That's no longer the case today, which is all the more reason to avail ourselves of hunting traditions and respect game by improving ourselves as hunters.

TRADITIONS THAT
DRIVE PROGRESS FORWARD





HUNTING IN THE HEART OF EUROPE

Where the mighty Danube flows through the lower Hungarian plains in the middle of the Carpathian basin, lies Gemenc.

At the western bank of the river is the largest area of connected flood-plains in Europe that often floods at high tide.

The fertile land and the marshlands of the low-lying areas with a rich variety of species, is about as close to a hunting paradise as you can get.

The biotope is ideal for red deer and wild boar and it is no coincidence that Gemenc has one of the world's finest stocks of antlered game.

More information: www.gemencrt.hu



Perfect biotopes and prudent, professional game management that promotes selective hunting is the basis for building up game stock of the highest quality.

Hunting is a timeless oasis in a technological world. Progress can involve high performance technical innovations as well as the revival of tried and true traditional products.

This is the charm and source of inspiration in our work.

THREE NEW CALIBERS IN NORMA'S PRODUCT LINE

We have chosen two flat shooting and hard hitting modern cartridges and an ageless big game classic.

Caliber .270 WSM

NEW!

A short magnum cartridge that combines a flat trajectory with excellent shooting properties.

Loaded with:
Oryx, Nosler BST and Barnes Triple Shock.

Caliber 7 mm-08 Rem.

NEW!

A necked down version of .308 Win. Can be used in lightweight guns with short receivers.

Loaded with:
Nosler BST.

Caliber .470 Nitro Express

NEW!

Classic big game cartridge introduced in 1907 by Joseph Lang. A powerful cartridge for really big game.

Loaded with:
Woodleigh soft nose and full metal jacket.

Refer to the ballistics pages to see other new additions to the product line.

NORMA – ALWAYS ONE STEP AHEAD



7 mm-08 Rem.

.270 WSM

.470 Nitro Express



Nissan X-TRAIL – a new hunting leader

Wild. Crazy. Sensible and enjoyable with impressive power. But also considerate and versatile.

A dependable 4x4 with optimal grip. Ride on any roads you like – it's just as easy to drive on a main road as on the natural forest tracks to your post or the pond. Your new hunting leader? Why not?

More info: www.nissan.se

SURE-FIRE SUPPORT!

A well-placed shot is more important than anything else to conclude a hunt successfully. Even the simplest support for your firearm or body makes shooting considerably easier and you come off the mark sooner.

A lot of major preparation is not usually necessary. It only takes a few seconds to cut a shooting stick that is very effective for firing in standing or sitting positions.

A good rule is to fire from the lowest possible position. If you can sit down, then sit and shoot. If you can lie down, lie down and shoot! With a little foresight, you can usually find some natural support whether you're stationed at a post or on the move.

SAVE THAT FIRST SHOT!

You may have been waiting for hours in the cold and rain and then suddenly everything happens in just a few seconds. The adrenaline makes your pulse race. But do you have to be in a hurry?

You've practiced properly, you're sighted-in, and you can quickly come up with good support. Then you can take it easy and wait for the right moment to fire that perfect stress-free shot.



The reason some hunters get off the mark sooner and safer depends on two things.

They target shoot often and have learned to improvise to find support quickly for their firearm when necessary.

A little foresight is all that's necessary to turn a difficult shot into a simple and sportsmanlike one.

Here are some examples of how you can make the best of a situation, depending on the circumstances.



The typical Scandinavian Capercallie is a challenge for every bird hunter. They are masters at hiding in the densest areas and cawing at the dogs during the autumn hunt.

The Capercallie is a difficult bird to hunt during the winter hunting season. Your shooting distances might be quite long and winter weather makes the shooting more difficult. Hunting for this bird is very strenuous, so you can not leave anything to chance.

A TRUE HUNTING CARTRIDGE

You can rely on Norma Jaktmatch. We have developed it into a true hunting cartridge for birds and small game that can be shot with a FMJ.

Norma's Jaktmatch cartridges have very high accuracy and a bullet designed for safe and effective shooting results. When the opportunity comes, it is you, your ammunition and your gun that will decide the final outcome.



NORMA FMJ FOR BIRD HUNTING AT ITS PEAK



There is an advanced ballistics program where you can find out what your trajectory will look like in a real situation using different combinations of bullet weights and velocities. At the click of a button, you can directly compare the trajectories of the various types of factory loaded ammunition bullets.

SEE HOLD-OVER IMMEDIATELY

In the program, you can easily enter your own information on bullet weight, ballistic coefficient, muzzle velocity and the line of sight height. Then you can adjust the zero range and immediately see the hold-over at each distance before the bullet hits dead on. Or how low it will hit at the chosen zero range.



You can also see what velocity and energy the bullet has at distances up to 600 yards. Wind drift is greater than you think even at moderate shooting distances. You can see how the bullet is affected by different wind speeds and directions, which is valuable to know when you are going to do a thorough sight-in of your gun.

On our web pages, you'll also find information about our products, loading data and ballistic coefficients for various bullets, how you can load your own cartridges and much more.

SIGHT-IN AT THE RIGHT DISTANCE

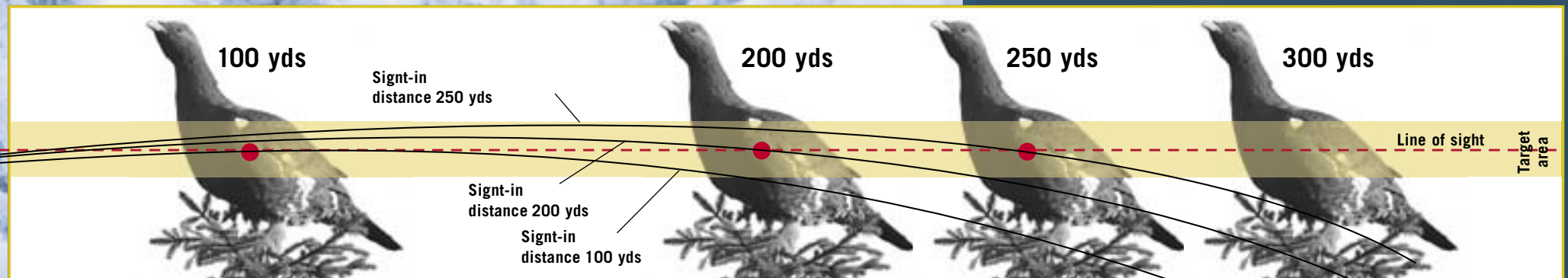
Judging distances is difficult, so you should sight-in your gun so that it hits 1-2 inches high at 100 yards.

Exactly how high the gun should hit depends on the caliber and bullet weight you use and from which direction you want the gun to hit the bullseye.

If you want to aim dead center from all possible hunting distances, you cannot have too much hold-over if you are hunting smaller game.

Go to www.norma.cc and type in your figures in the ballistics program. You can easily see the maximum acceptable shooting distance at that hold-over. Sight-in at several different distances so you know what will happen in a real situation!

The example in the picture below is for a 150 grains FMJ of caliber .30-06.



Target ammunition should have the same quality as your hunting cartridges. Many hunters also use Jaktmatch to hunt birds and small game so we have no reason to distinguish between hunting and target cartridges.



Take care of your hearing - always use hearing protection. See www.peltor.se

Practicing shooting on a regular basis is not only a way to be a responsible hunter, it is also a good-natured way to have fun and socialize with hunting friends and other like-minded people. Norma's sight-in targets are perfect for this. They are available at your firearms dealer or from our web site.



What's important is not how you practice, but that you do it regularly. Ideally, you should use the gun you hunt with and then it is important that your target and hunting ammunition are consistent (especially when practicing with moving targets). You need to lead in the same manner and accuracy should be just as good so you get a true idea of your ability.

All components in the Jaktmatch cartridges are the highest quality. The fired cases provide the reloader with a top quality product to reload.

The Jaktmatch serie has added three new calibers: .270 Win., .270 WSM and .300 WSM.

NORMA NEVER COMPROMISES



EKA E8 – cutting edge news!

Functional design – made with care and precision.

A professional tool for working with game. Knife and belly opener in one stainless steel blade. Sure grip and easy to clean.

Perhaps the best hunting knife ever made. A registered design, patent pending and 10- year guarantee.

More info: www.eka-knivar.se

SIGHT-IN WITH HUNTING AMMUNITION!

Always do a thorough sight-in with the ammunition you intend to use before you go hunting.

The differences in ballistic coefficient between different bullet types of the same weight and caliber can be quite large depending on the bullet's design.

That affects the point of impact, so never mix cartridges with different bullets even if the weight and velocity are identical.

A good way to check your sighting-in is to use a variant of the Norwegian shooting test.

Shoot now and then, using hunting ammunition and support, at a game silhouette from different distances.

This is partly to see if the point of impact corresponds to how you aim at an animal and partly to see if you have sufficient ability.

Norwegian range test

To pass the annual, compulsory, Norwegian shooting test for Class 1 large game, the shooter must place five shots of five, using hunting ammunition, within 12 inch of the animal figure target area.



Before taking the test, you must first shoot 30 registered practice shots with a weapon and ammunition of your choice.

The shooting distance is 110 yds and you can choose your shooting position. Support such as a hunting stick or pillow under the gun is not allowed.

NORMA JAKTMATCH

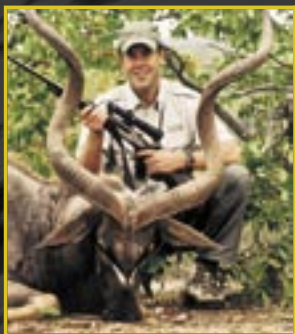
Bullet weight g/gr Bullet type Product no.	Ball. coeffi- cient	Velocity feet per second				Zero range, yards	Height of trajectory above line of sight if sighted in at yards. For sight 1,6 inch. above bore.					Wind drift in inches for a 10 m.p.h. cross wind		
		V ₀	V ₁₀₀	V ₂₀₀	V ₃₀₀		50	100	150	200	300 yds	100	200	300 yds
.222 Rem. 3,2 g/50 gr Full jacket # 20157150	0.192	3199	2697	2247	1843	50 100 150 200	⊕ -0,3 0,0 0,5	-0,6 ⊕ 0,6 1,6	0,0 -0,9 ⊕ 1,5	-2,0 -3,3 -2,0 -8,6	-11,7 -13,5 -11,7 -8,6	1,5	6,4	15,9
6,5x55 6,5 g/100 gr Hollow point # 20165270	0.321	2625	2354	2100	1862	50 100 150 200	⊕ -0,1 0,4 1,1	0,2 ⊕ 1,0 2,4	-1,2 -1,5 ⊕ 2,1	-4,3 -4,7 -2,7 -10,3	-16,7 -17,3 -14,4 -10,3	1,1	4,8	11,3
"Elektron/bird" 7,8 g/120 gr Full jacket # 20165420	0.428	2690	2238	1833	1482	50 100 150 200	⊕ -0,1 0,5 1,3	0,2 ⊕ 1,1 2,7	-1,4 -1,7 ⊕ 2,4	-5,1 -5,4 -3,2 -13,3	-20,9 -21,4 -18,1 -13,3	1,9	8,3	20,8
NEW! .270 Win. 8,4 g/130 gr Full jacket # 20169070	0.365	2887	2634	2395	2169	50 100 150 200	⊕ -0,2 0,2 0,7	0,4 ⊕ 0,7 1,8	-0,5 -1,1 ⊕ 1,6	-2,8 -3,5 -2,1 -7,8	-12,1 -13,1 -11,0 -7,8	0,9	3,6	8,5
NEW! .270 WSM 8,4 g/130 gr Full jacket # 20169310*	0.365	3150	2882	2630	2391	50 100 150 200	⊕ -0,3 0,0 0,4	0,5 ⊕ 0,5 1,4	0,0 -0,8 ⊕ 1,3	-1,6 -2,7 -1,7 -6,4	-8,8 -10,4 -8,9 -6,4	0,8	3,2	7,5
7 mm Rem. Mag. 9,7 g/150 gr Full jacket # 20170260	0.443	2995	2780	2576	2380	50 100 150 200	⊕ -0,3 0,0 0,5	0,6 ⊕ 0,6 1,5	0,0 -0,9 ⊕ 1,3	-1,8 -2,9 -1,8 -6,7	-9,4 -11,1 -9,4 -6,7	0,7	2,8	6,5
.308 Win. 9,7 g/150 gr Full jacket # 20176220	0.438	2657	2456	2263	2080	50 100 150 200	⊕ -0,1 0,3 0,9	0,3 ⊕ 0,9 2,1	-0,9 -1,3 ⊕ 1,8	-3,6 -4,2 -2,4 -8,9	-14,4 -15,2 -12,5 -8,9	0,8	3,3	7,8
.30-06 9,7 g/150 gr Full jacket # 20176510	0.423	2772	2558	2355	2160	50 100 150 200	⊕ -0,2 0,2 0,7	0,4 ⊕ 0,8 1,9	-0,6 -1,1 ⊕ 1,7	-3,0 -3,7 -2,2 -8,1	-12,6 -13,7 -11,5 -8,1	0,8	3,3	7,6
NEW! .300 WSM 9,7 g/150 gr Full jacket # 20175730*	0.423	2953	2731	2519	2318	50 100 150 200	⊕ -0,2 0,1 0,6	0,4 ⊕ 0,6 1,6	-0,3 -1,0 ⊕ 1,4	-2,3 -3,2 -1,9 -7,1	-10,6 -11,8 -9,9 -7,1	0,7	3,0	6,9
.300 Win. Mag. 9,7 g/150 gr Full jacket # 20175450*	0.423	3067	2839	2622	2416	50 100 150 200	⊕ -0,3 0,0 0,4	0,6 ⊕ 0,5 1,4	0,1 -0,8 ⊕ 1,3	-1,5 -2,7 -1,7 -6,4	-8,7 -10,5 -9,0 -6,4	0,7	2,8	6,6
8x57 JS 8,0 g/123 gr Full jacket # 20180090	0.191	2822	2357	1939	1572	50 100 150 200	⊕ -0,2 0,3 1,0	0,3 ⊕ 1,0 2,4	-1,0 -1,4 ⊕ 2,1	-4,1 -4,7 -2,9 -11,8	-18,0 -18,9 -16,1 -11,8	1,8	7,8	19,3
.338 Win. Mag. 14,6 g/225 gr Full jacket # 20185100*	0.499	2657	2480	2310	2146	50 100 150 200	⊕ -0,1 0,3 0,9	0,3 ⊕ 0,9 2,0	-0,9 -1,3 ⊕ 1,8	-3,5 -4,1 -2,4 -8,6	-13,8 -14,7 -12,1 -8,6	0,7	2,9	6,7
9,3x57 15,0 g/232 gr Full jacket # 20193060	0.275	2215	1930	1670	1440	50 100 150 200	⊕ 0,3 1,1 2,2	-0,5 ⊕ 1,7 4,0	-3,4 -2,6 ⊕ 3,3	-9,0 -7,9 -4,4 -16,5	-30,0 -28,4 -23,2 -16,5	1,7	7,3	17,5
9,3x62 15,0 g/232 gr Full jacket # 20193180	0.275	2510	2204	1920	1661	50 100 150 200	⊕ 0,0 0,6 1,5	-0,1 ⊕ 1,2 2,9	-1,9 -1,8 ⊕ 2,5	-5,9 -5,7 -3,3 -12,4	-21,1 -20,9 -17,3 -12,4	1,4	6,1	14,6
		V ₀	V ₂₅	V ₅₀	V ₁₀₀		Height of trajectory above line of sight					Wind drift		
							25	50	75	100	150 yds	100 yds		
.22 Long Rifle Lead, Round nose 2,67 g/40 gr # 87156120	0.15	1066	1025	989	930	50	0,2	⊕	-2,4	-7,3	-24,5	3,8		

50 cartridge/boxes. *20 cartridge/boxes.

Africa is more than just "the big five". There are also countless species of antelopes and gazelles, from the smallest to the largest. Many of them are difficult to drop in relation to their body size.

Hunting in mountainous terrain, semi-deserts or on the savanna seldom allows for any easy shots from short distances. Hunting in typical bush also places its special demands on both hunter and equipment. Norma's line has everything you need for a successful hunt. Flat-shooting magnum cartridges loaded with bullets designed to give you a margin when it comes to muzzle energy and penetration ability.

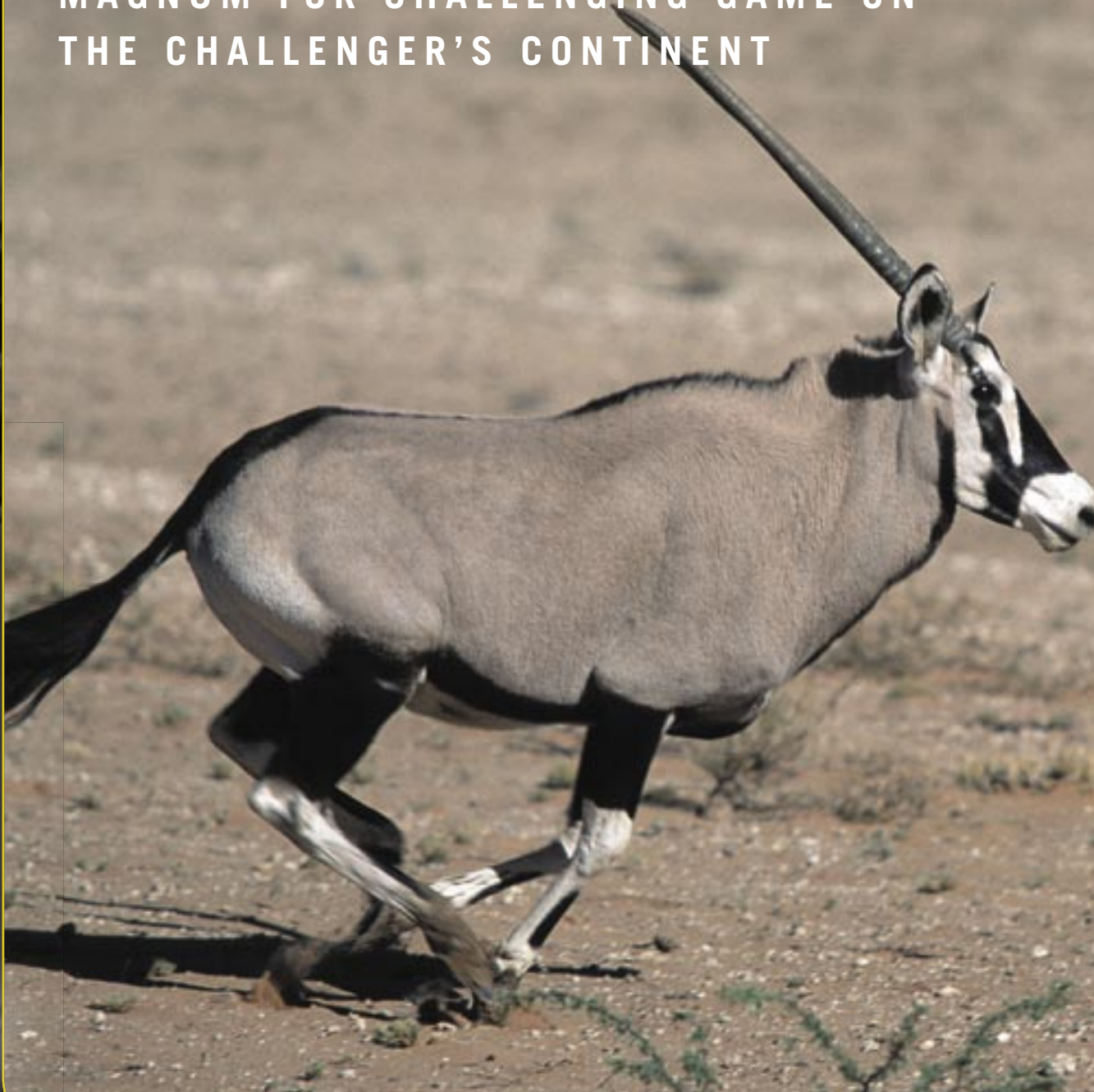
You'll find everything from Barnes Solid bullets for the truly big game to the bonded Swift A-Frame with a reinforced jacket and partition for the toughest antelopes or bull buffalo.



Jan-Olof Swanteson, Sweden, with a kudu shot with Norma .375 H&H.



MAGNUM FOR CHALLENGING GAME ON THE CHALLENGER'S CONTINENT



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- Elastic inserts in the pistol grip and the forearm area ensure secure handling even in wet weather
- Pistol grip inserts with palm swell in the right-handed or left-handed version
- 1cm rubber gunstock cap; stock length 36.5 cm
- 2 cm and 3cm rubber gunstock caps are available as elongation options

BALLISTIC DATA

.222 Rem.



.223 Rem.



.22-250 Rem.



.220 Swift



5,6x52 R



6x70 R



.243 Win.



6,5 Jap.



6,5 Carc.



6,5x55



FACTS ABOUT THE BALLISTIC DATA





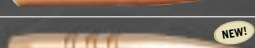










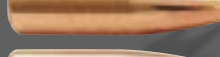







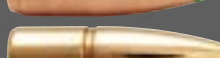






























The velocity and energy data for Norma ammunitions is based on the use of a 24 inch barrel. If your barrel length is longer or shorter, then use the 20-25 fps/inch rule of thumb. Longer barrels will have higher velocity by this amount, shorter barrels, less by the same. Due to variations in the barrels material, length, wear, measurements etc., stated velocities should only be used as guidelines.

We recommend that you always sight-in your gun when changing type of ammunition.

Bullet type Bullet weight g/gr Product number	Ball coef.	Velocity feet per second				Energy foot pounds				Zero range, yards	Height of trajectory above line of sight if sighted in at Φ yards. For sights 1.6 inch above bore.					Wind drift in inches for a 10 m.p.h cross wind.		
		Muzzle	V ₁₀₀	V ₂₀₀	V ₃₀₀	Muzzle	E ₁₀₀	E ₂₀₀	E ₃₀₀		50	100	150	200	300 yds	100	200	300 yds
Soft point 3.2 g/50 gr # 20 157112	0.185	3199	2679	2215	1800	1136	797	545	360	50 100 150 200	Φ -0.3 0.0 0.5	0.6 0.6 1.6	0.0 -0.9 1.6	-2.1 -3.3 -2.1	-12.1 -13.8 -12.0 -8.9	1.5	6.7	16.7
Full jacket 3.2 g/50 gr # 20 157132	0.198	2789	2344	1942	1587	864	610	419	280	50 100 150 200	Φ -0.1 0.4 1.1	0.3 Φ 1.0 2.4	-1.0 -1.5 2.2	-4.3 -4.8 Φ	-18.2 -19.0 -16.1 -11.8	1.7	7.6	18.7
Soft point 4.0 g/62 gr # 20 157162	0.214	2887	2464	2078	1731	1148	836	595	413	50 100 150 200	Φ -0.2 0.2 0.9	0.4 Φ 2.1	-0.7 -1.2 1.9	-3.4 -4.2 Φ	-15.4 -16.5 -14.0 -10.3	1.5	6.6	16.1
Soft point 3.6 g/55 gr # 20 157172	0.235	3215	2800	2420	2072	1263	957	716	524	50 100 150 200	Φ -0.3 0.0 0.5	0.5 Φ 1.5	-0.1 -0.8 Φ 1.4	-1.9 -3.0 -1.8 Φ	-10.3 -11.9 -10.2 -7.5	1.2	5.1	12.2
Soft point 3.4 g/53 gr # 20 157332	0.237	3707	3246	2830	2451	1618	1240	943	707	50 100 150 200	Φ -0.4 -0.3 0.0	0.9 Φ 0.3 0.9	0.9 -0.4 Φ 0.9	0.0 -1.7 -1.2 Φ	-5.2 -7.8 -7.0 -5.1	1.0	4.2	10.0
Soft point 3.2 g/50 gr # 20 157012	0.185	4019	3394	2852	2369	1794	1279	903	623	50 100 150 200	Φ -0.5 -0.4 -0.1	1.0 Φ 0.2 0.7	1.2 -0.3 Φ 0.8	0.5 -1.5 -1.1 Φ	-4.3 -7.2 -6.7 -5.1	1.2	5.0	12.2
Soft point 4.6 g/71 gr # 20 156042	0.268	2789	2456	2146	1860	1227	951	726	546	50 100 150 200	Φ -0.2 0.3 0.9	0.3 Φ 2.1	-0.8 -1.3 1.9	-3.5 -4.2 Φ	-15.0 -16.0 -13.5 -9.7	1.3	5.3	12.8
Full jacket 4.6 g/71 gr # 20 156052	0.275	2789	2463	2160	1880	1227	957	736	557	50 100 150 200	Φ -0.2 0.3 0.9	0.3 Φ 2.1	-0.8 -1.3 1.9	-3.5 -4.2 Φ	-14.8 -15.8 -13.3 -9.6	1.2	5.2	12.5
Nosler BST 5.8 g/90 gr # 20 160112	0.365	2461	2231	2013	1809	1211	995	810	654	50 100 150 200	Φ 0.0 0.6 1.3	0.0 Φ 1.2 2.7	-1.7 -1.7 Φ 2.3	-5.4 -5.4 -3.1 Φ	-19.4 -19.4 -15.9 -11.3	1.1	4.5	10.8
Full jacket 5.2 g/80 gr # 20 160072	0.262	3117	2750	2412	2098	1726	1344	1034	782	50 100 150 200	Φ -0.3 0.0 0.5	0.6 Φ 1.5	0.0 -0.9 1.4	-1.8 -3.0 Φ	-10.3 -12.1 -7.5	1.1	4.7	11.2
Oryx 6.5 g/100 gr # 20 160082	0.257	3018	2653	2316	2004	2023	1563	1191	892	50 100 150 200	Φ -0.2 0.1 0.7	0.4 Φ 1.7	-0.4 -1.0 1.6	-2.6 -3.5 Φ	-12.2 -13.5 -11.4 -8.3	1.2	5.0	12.0
Alaska 10.1 g/156 gr # 20 165322	0.326	2067	1835	1622	1431	1480	1167	911	710	50 100 150 200	Φ 0.4 1.3 2.5	-0.7 Φ 2.0 4.4	-4.0 -2.9 Φ 3.7	-10.2 -8.8 -4.9 Φ	-32.9 -30.8 -25.0 -17.7	1.6	6.6	15.8
Alaska 10.1 g/156 gr # 20 165352	0.326	2362	2111	1877	1660	1933	1544	1220	955	50 100 150 200	Φ 0.1 0.8 1.7	-0.2 Φ 3.2	-2.4 -2.2 2.7	-6.8 -6.3 Φ	-23.3 -22.6 -18.5 -13.1	1.3	5.5	13.0
Nosler BST 7.8 g/120 gr # 20 165222	0.430	2822	2609	2407	2213	2123	1815	1544	1305	50 100 150 200	Φ -0.2 0.2 0.7	0.4 Φ 1.8	-0.4 -1.1 1.6	-2.7 -3.5 Φ	-11.8 -13.0 -10.9 -7.8	0.8	3.1	7.3
Nosler Partition 9.1 g/140 gr # 20 165592	0.467	2690	2500	2317	2142	2250	1943	1669	1427	50 100 150 200	Φ -0.2 0.3 0.8	0.3 Φ 2.0	-0.8 -1.2 1.7	-3.4 -4.0 Φ	-13.5 -14.4 -12.0 -8.5	0.7	3.1	7.1
Alaska 10.1 g/156 gr # 20 165522	0.276	2559	2250	1964	1701	2269	1755	1336	1002	50 100 150 200	Φ -0.1 0.5 1.3	0.1 Φ 2.7	-1.5 -1.7 2.3	-5.1 -5.3 Φ	-19.4 -19.7 -16.4 -11.7	1.4	5.9	14.1
Oryx 10.1 g/156 gr # 20 165622	0.348	2559	2313	2081	1862	2267	1852	1499	1201	50 100 150 200	Φ -0.1 0.5 1.2	0.1 Φ 2.5	-1.4 -1.6 2.1	-4.7 -4.9 Φ	-17.5 -17.9 -14.8 -10.5	1.1	4.5	10.7
Vulkan 10.1 g/156 gr # 20 165562	0.354	2644	2397	2164	1944	2421	1990	1622	1309	50 100 150 200	Φ -0.1 0.4 1.0	1.2 Φ 2.2	-1.1 -1.4 2.0	-4.0 -4.5 Φ	-15.7 -16.4 -13.6 -9.7	1.0	4.2	10.0

BALLISTIC DATA

		Bullet type Bullet weight g/gr Product number	Ball coef.	Velocity feet per second				Energy foot pounds				Zero range, yards	Height of trajectory above line of sight if sighted in at 50 yards. For sights 1,6 inch above bore.					Wind drift in inches for a 10 m.p.h cross wind.		
				Muzzle	V100	V200	V300	Muzzle	E100	E200	E300		50	100	150	200	300 yds	100	200	300 yds
6,5-284 Norma																				
		Nosler Partition 9,1 g/140 gr # 20 165652	0.465	2953	2750	2557	2371	2712	2352	2032	1748	50 100 150 200	⊕ -0,3 0,0 0,5	0,5 ⊕ 0,6 1,5	-0,1 -0,9 ⊕ 1,4	-1,9 -3,0 -1,8 ⊕	-9,7 -11,3 -9,6 -6,8	0,7	2,7	6,3
.270 Win.																				
		Soft point 8,4 g/130 gr # 20 169022	0.359	3140	2868	2612	2370	2847	2375	1970	1622	50 100 150 200	⊕ -0,3 -0,1 0,3	0,6 ⊕ 0,5 1,3	0,2 -0,7 1,2	-1,4 -2,6 -1,7 ⊕	-8,5 -10,4 -8,9 -6,4	0,8	3,3	7,7
		Oryx 9,7 g/150 gr # 20 169012	0.373	2854	2608	2376	2155	2714	2267	1880	1547	50 100 150 200	⊕ -0,2 0,2 0,7	-0,3 ⊕ 0,7 1,8	-0,6 -1,1 ⊕ 1,6	-3,0 -3,6 -2,1 ⊕	-12,4 -13,4 -11,2 -8,0	0,9	3,6	8,4
.270 WSM																				
		Nosler BST 8,4 g/130 gr # 20 169252	0.433	3281	3047	2825	2614	3108	2681	2305	1973	50 100 150 200	⊕ -0,3 -0,1 0,3	0,6 ⊕ 0,4 1,1	0,3 -0,6 1,1	-1,0 -2,3 -1,4 ⊕	-7,0 -8,9 -7,6 -5,5	0,6	2,5	5,9
		Barnes Triple-Shock 9,1 g/140 gr # 20 169332	0.497	3150	2952	2762	2580	3085	2709	2372	2070	50 100 150 200	⊕ -0,3 0,0 0,3	0,6 ⊕ 0,5 1,3	0,1 -0,7 ⊕ 1,2	-1,4 -2,5 -1,5 ⊕	-7,9 -9,6 -8,1 -5,8	0,6	2,3	5,3
		Oryx 9,7 g/150 gr # 20 169322	0.373	3117	2856	2611	2378	3237	2718	2271	1884	50 100 150 200	⊕ -0,3 0,0 0,4	0,5 ⊕ 0,5 1,4	0,0 -0,8 ⊕ 1,3	-1,7 -2,8 -1,7 ⊕	-9,1 -10,7 -9,1 -6,5	0,8	3,2	7,4
7x57 R																				
		Full jacket 9,7 g/150 gr # 20 170062	0.441	2641	2442	2251	2069	2324	1986	1689	1427	50 100 150 200	⊕ -0,1 0,3 0,9	0,3 ⊕ 0,9 2,1	-1,0 -1,3 ⊕ 1,9	-3,7 -4,2 -2,5 ⊕	-14,6 -15,4 -12,7 -9,0	0,8	3,3	7,8
		Oryx 10,1 g/156 gr # 20 170032	0.330	2608	2346	2099	1867	2357	1906	1526	1208	50 100 150 200	⊕ -0,1 -0,1 0,4	0,2 ⊕ 1,0 2,4	-1,2 -1,5 ⊕ 2,1	-4,4 -4,7 -2,8 ⊕	-16,9 -17,4 -14,4 -10,3	1,0	4,2	10,0
7x57																				
		Oryx 10,1 g/156 gr # 20 170012	0.330	2641	2377	2128	1894	2417	1957	1569	1243	50 100 150 200	⊕ -0,1 0,4 1,0	0,2 ⊕ 1,0 2,3	-1,1 -1,4 ⊕ 2,0	-4,2 -4,6 -2,7 ⊕	-16,2 -16,9 -14,0 -10,0	1,0	4,1	9,8
7 mm- 08 Rem.																				
		Nosler BST 9,1 g/140 gr # 20 170682	0.485	2822	2633	2452	2278	2476	2156	1870	1614	50 100 150 200	⊕ -0,2 0,2 0,7	0,3 ⊕ 0,7 1,8	-0,6 -1,1 ⊕ 1,6	-2,9 -3,5 -2,1 ⊕	-11,8 -12,8 -10,7 -7,6	0,7	2,7	6,4
7x65 R																				
		Full jacket 9,7 g/150 gr # 20 170642	0.441	2756	2552	2357	2170	2530	2169	1850	1569	50 100 150 200	⊕ -0,1 0,3 0,8	0,3 ⊕ 0,8 1,9	-0,8 -1,2 ⊕ 1,7	-3,3 -3,9 -2,3 ⊕	-13,2 -13,6 -11,6 -8,2	0,8	3,1	7,3
		Oryx 10,1 g/156 gr # 20 170632	0.330	2723	2454	2200	1962	2569	2086	1678	1334	50 100 150 200	⊕ -0,2 0,3 0,9	0,3 ⊕ 0,9 2,1	-0,8 -1,3 ⊕ 1,9	-3,6 -4,2 -2,5 ⊕	-14,7 -15,6 -13,0 -9,3	0,9	3,9	9,4
		Plastic point 11,0 g/170 gr # 20 170282	0.373	2625	2392	2170	1961	2599	2157	1776	1450	50 100 150 200	⊕ -0,1 0,4 1,0	0,2 ⊕ 0,9 2,3	-1,1 -1,4 ⊕ 2,0	-4,1 -4,5 -2,6 ⊕	-15,8 -16,4 -13,6 -9,7	1,0	4,0	9,5
		Vulkan 11,0 g/170 gr # 20 170292	0.335	2657	2396	2150	1919	2662	2165	1743	1389	50 100 150 200	⊕ -0,1 0,4 1,0	0,2 ⊕ 0,9 2,2	-1,0 -1,4 ⊕ 2,0	-4,0 -4,5 -2,6 ⊕	-15,8 -16,5 -13,7 -9,8	1,1	4,5	10,6
.280 Rem.																				
		Oryx 10,1 g/156 gr # 20 170482	0.330	2789	2516	2259	2017	2695	2193	1768	1410	50 100 150 200	⊕ -0,2 0,2 0,8	0,4 ⊕ 0,8 2,0	-0,7 -1,2 ⊕ 1,7	-3,2 -3,9 -2,3 ⊕	-13,6 -14,7 -12,3 -8,8	0,9	3,8	9,0
		Vulkan 11,0 g/170 gr # 20 170512	0.357	2592	2350	2121	1906	2534	2083	1697	1370	50 100 150 200	⊕ -0,1 0,4 1,1	0,2 ⊕ 1,0 2,4	-1,2 -1,5 ⊕ 2,1	-4,4 -4,7 -2,7 ⊕	-16,7 -17,2 -14,2 -10,1	1,0	4,3	10,2
		Plastic point 11,0 g/170 gr # 20 170602	0.373	2707	2469	2244	2031	2764	2300	1899	1555	50 100 150 200	⊕ -0,2 0,3 0,9	0,3 ⊕ 0,9 2,1	-0,8 -1,3 ⊕ 1,8	-3,5 -4,1 -2,4 ⊕	-14,3 -15,2 -12,6 -9,0	0,9	3,8	9,1

BALLISTIC DATA				Bullet type				Bullet weight g/gr	Product number	Ball coef.	Veocity feet per second				Energy foot pounds				Zero range, yards	Height of trajectory above line of sight if sighted in at 50 yards. For sights 1,6 inch above bore.					Wind drift in inches for a 10 m.p.h cross wind.																
											Muzzle	V ₁₀₀	V ₂₀₀	V ₃₀₀	Muzzle	E ₁₀₀	E ₂₀₀	E ₃₀₀		50	100	150	200	300 yds	100	200	300 yds														
7x64							NEW!				Nosler Accubond				9,1 g/140 gr				0.485	2953 2759 2572 2394				2712 2366 2058 1782				50	⊕	0,4	-0,3	-2,2	-10,1	0,6	2,6	6,0					
							# 20170692												100	-0,2	⊕	-0,9	-3,1	-11,4																	
							Oryx				10,1 g/156 gr				0.330	2789 2516 2259 2017				2695 2193 1768 1410				100	-0,2	⊕	-1,2	-3,9	-14,7	0,9	3,8	9,0									
							# 20170532												150	0,2	⊕	0,8	⊕	-2,3	-12,3																
							Vulkan				11,0 g/170 gr				0.353	2756 2503 2263 2037				2865 2362 1931 1564				100	-0,2	⊕	-1,2	-3,3	-13,7	1,0	4,0	9,4									
7 mm Rem. Mag.								NEW!				Barnes Triple-Shock				9,1 g/140 gr				0.477	3117 2912 2716 2529				3021 2637 2294 1988				50	⊕	0,5	0,1	-1,5	-8,3	0,6	2,4	5,6				
								# 20170542												100	-0,3	⊕	-0,8	-2,6	-9,9																
								Swift Scirocco				9,7 g/150 gr				0.536	3117 2934 2758 2589				3237 2869 2535 2234				100	-0,3	⊕	0,3	-1,1	-7,5	0,5	2,1	5,0								
								# 20170622												150	-0,1	⊕	⊕	-1,5	-8,1																
								Oryx				10,1 g/156 gr				0.330	2953 2670 2404 2153				3021 2470 2002 1607				100	-0,3	⊕	-1,0	-3,3	-12,6	0,8	3,5	8,3								
7,5x55 Swiss																Vulkan				11,0 g/170 gr				0.353	2953 2688 2438 2201				3293 2728 2244 1830				50	⊕	0,5	-0,2	-2,2	-10,8	0,9	3,6	5,8
												# 20170242												100	-0,3	⊕	-1,0	-3,2	-12,3												
												Plastic point				11,0 g/170 gr				0.378	2953 2705 2470 2247				3293 2763 2304 1907				100	-0,3	⊕	-0,9	-3,2	-12,0	0,8	3,4	7,9				
												# 20170272												150	0,1	⊕	⊕	-1,9	-10,2												
																								200	0,5	1,6	1,4	⊕	-7,3												
7,62 Russian												Alaska				11,7 g/180 gr				0.257	2575 2244 1938 1660				2651 2013 1501 1101				50	⊕	0,0	-1,7	-5,5	-20,3	1,5	6,3	15,2				
								# 20175552												100	0,0	⊕	-1,7	-5,5	-20,3																
.308 Win.																Nosler BST				9,7 g/150 gr				0.389	2822 2588 2365 2154				2653 2231 1864 1545				50	⊕	0,4	-0,5	-2,8	-12,2	0,8	3,5	8,2
												# 20176252												100	-0,2	⊕	-1,1	-3,6	-13,4												
												Swift A-Frame				10,7 g/165 gr				0.367	2700 2459 2231 2014				2672 2216 1823 1487				100	-0,2	⊕	-1,3	-4,2	-15,3	0,9	3,9	9,3				
												# 20176122												150	0,3	⊕	0,9	⊕	-2,4	-12,8											
												Plastic point				11,7 g/180 gr				0.358	2612 2370 2141 1925				2737 2253 1838 1486				100	⊕	0,1	-1,4	-4,5	-16,8	1,0	4,2	10,0				
												# 20176282												150	-0,1	⊕	-1,5	-4,7	-17,0												
												Nosler Partition				11,7 g/180 gr				0.442	2612 2415 2226 2046				2737 2339 1988 1679				100	⊕	0,1	-1,2	-4,2	-15,6	0,8	3,4	7,9				
												# 20176352												150	-0,1	⊕	-1,4	-4,5	-16,0												
																								200	0,4	1,0	1,9	⊕	-9,3												
.308 Win.																Alaska				11,7 g/180 gr				0.257	2612 2278 1968 1687				2728 2074 1549 1138				50	⊕	0,1	-1,4	-4,9	-18,9	1,4	6,2	14,9
												# 20176362												100	-0,1	⊕	-1,6	-5,2	-19,4												
												Vulkan				11,7 g/180 gr				0.315	2612 2329 2064 1817				2737 2176 1709 1325				100	⊕	0,1	-1,5	-4,8	-17,9	1,2	5,1	12,1				
												# 20176602												150	-0,1	⊕	-1,6	-4,9	-18,1												
												Oryx				11,7 g/180 gr				0.288	2612 2313 2034 1776				2737 2146 1659 1265				100	⊕	0,2	-1,3	-4,6	-17,8	1,3	5,4	13,0				
.308 Win.																								50	⊕	0,2	-1,3	-4,6	-17,8												
												# 20176752												100	0,1	⊕	-1,6	-4,9	-18,3												

BALLISTIC DATA

		Bullet type Bullet weight g/gr Product number	Ball coef.	Velocity feet per second				Energy foot pounds				Zero range, yards	Height of trajectory above line of sight if sighted in at ̢ yards. For sights 1,6 inch above bore.					Wind drift in inches for a 10 m.p.h cross wind.		
				Muzzle	V100	V200	V300	Muzzle	E100	E200	E300		50	100	150	200	300 yds	100	200	300 yds
.30-06																				
.300 WSM																				
.308 Norma Mag.																				
.300 Win. Mag.																				

.300 Win. Mag., continue see next page.

BALLISTIC DATA

.300 Win. Mag.



Bullet type Bullet weight g/gr Product number	Ball coef.	Veocity feet per second				Energy foot pounds				Zero range, yards	Height of trajectory above line of sight if sighted in at \oplus yards. For sights 1,6 inch above bore.					Wind drift in inches for a 10 m.p.h cross wind.		
		Muzzle	V ₁₀₀	V ₂₀₀	V ₃₀₀	Muzzle	E ₁₀₀	E ₂₀₀	E ₃₀₀		50	100	150	200	300 yds	100	200	300 yds
Oryx 11,7 g/180 gr # 20 175472	0.288	2920	2600	2301	2023	3409	2702	2117	1636	50 100 150 200	\oplus -0,2 0,2 0,7	0,4 \oplus 0,7 1,8	-0,6 \oplus \oplus 1,6	-3,0 -1,1 \oplus -2,2	-12,9 -13,9 -11,7 -8,4	1,1	4,6	11,0
Oryx 13,0 g/200 gr # 20 176762	0.323	2789	2510	2248	2002	3455	2799	2245	1780	50 100 150 200	\oplus -0,2 0,2 0,8	0,4 \oplus 0,8 2,0	-0,7 \oplus -1,2 1,8	-3,2 -3,9 -2,3 \oplus	-13,7 -14,8 -12,4 -8,9	1,0	4,3	10,3

7,7 Jap.



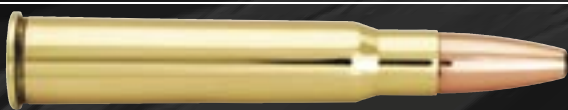
Soft point 11,3 g/174 gr # 20 177252	0.262	2493	2174	1879	1612	2402	1826	1364	1004	50 100 150 200	\oplus 0,1 0,7 1,5	-0,1 \oplus 1,3 3,0	-2,1 -1,9 \oplus 2,5	-6,1 -5,9 -3,4 \oplus	-22,1 -21,8 -17,8 -12,9	1,5	6,5	15,6
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7,65 Arg.



Soft point 11,3 g/174 gr # 20 177052	0.262	2493	2174	1879	1612	2402	1826	1364	1004	50 100 150 200	\oplus 0,1 0,7 1,5	-0,1 \oplus 1,3 3,0	-2,1 -1,9 \oplus 2,5	-6,1 -5,9 -3,4 \oplus	-22,1 -21,8 -17,8 -12,9	1,5	6,5	15,6
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8x57 JRS



Full jacket 8,0 g/123 gr # 20 180162	0.191	2559	2121	1729	1398	1789	1228	817	534	50 100 150 200	\oplus 0,1 0,7 1,6	-0,1 \oplus 1,3 3,2	-2,1 -2,0 \oplus 2,8	-6,6 -6,4 -3,7 \oplus	-24,8 -24,5 -20,5 -15,0	2,0	9,0	22,4
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Oryx 12,7 g/196 gr # 20 180102	0.331	2395	2146	1912	1695	2497	2004	1591	1251	50 100 150 200	\oplus 0,1 0,7 1,5	-0,1 \oplus 1,3 3,0	-2,1 -1,9 \oplus 2,6	-6,2 -6,0 -3,4 \oplus	-21,8 -21,5 -17,6 -12,6	1,3	5,3	12,6
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Alaska 12,7 g/196 gr # 20 180182	0.296	2395	2117	1859	1623	2497	1951	1504	1146	50 100 150 200	\oplus 0,1 0,7 1,6	-0,1 \oplus 1,3 3,1	-2,2 -2,0 \oplus 2,7	-6,4 -6,2 -3,5 \oplus	-22,9 -22,5 -18,5 -13,2	1,4	6,0	14,3
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Vulkan 12,7 g/196 gr # 20 180192	0.345	2395	2156	1930	1720	2497	2023	1622	1289	50 100 150 200	\oplus 0,1 0,7 1,5	-0,1 \oplus 1,3 3,0	-2,0 -1,9 \oplus 2,5	-6,1 -5,9 -3,4 \oplus	-21,4 -21,2 -17,4 -12,3	1,2	5,0	12,0
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8x57 JS



Alaska 12,7 g/196 gr # 20 180032	0.305	2526	2248	1988	1747	2778	2200	1720	1328	50 100 150 200	\oplus 0,0 0,5 1,3	0,1 \oplus 1,1 2,7	-1,6 -1,7 \oplus 2,3	-5,2 -5,3 -3,1 \oplus	-19,3 -19,5 -16,1 -11,5	1,3	5,3	12,8
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Oryx 12,7 g/196 gr # 20 180042	0.331	2526	2269	2027	1802	2778	2241	1789	1413	50 100 150 200	\oplus 0,0 0,5 1,3	0,1 \oplus 1,1 2,6	-1,5 -1,7 \oplus 2,2	-5,0 -5,2 -3,0 \oplus	-18,6 -18,9 -15,6 -11,1	1,2	4,9	11,6
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Vulkan 12,7 g/196 gr # 20 180202	0.347	2526	2281	2049	1832	2778	2264	1828	1461	50 100 150 200	\oplus -0,1 0,5 1,2	0,1 \oplus 1,1 2,6	-1,5 -1,6 \oplus 2,2	-4,9 -5,1 -2,9 \oplus	-18,3 -18,5 -15,3 -10,9	1,1	4,6	11,0
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.338
Win. Mag.



Oryx 14,9 g/230 gr # 20 185112	0.370	2756	2514	2284	2066	3880	3228	2665	2181	50 100 150 200	\oplus -0,1 0,3 0,9	0,3 \oplus 0,8 2,0	-0,9 \oplus \oplus 1,8	-3,5 -4,0 -2,4 \oplus	-14,0 -14,7 -12,2 -8,7	0,9	3,8	8,9
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.358
Norma Mag.



Oryx 16,2 g/250 gr # 20 190072	0.340	2756	2493	2245	2011	4217	3451	2798	2245	50 100 150 200	\oplus -0,1 0,3 0,9	0,2 \oplus 0,9 2,1	-0,9 \oplus \oplus 1,8	-3,6 -4,1 -2,4 \oplus	-14,5 -15,2 -12,6 -9,0	1,0	4,2	9,8
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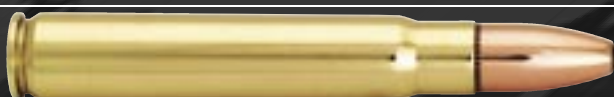
9,3x57







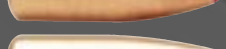






Oryx 15,0 g/232 gr # 20 193092	0.267	2362	2058	1778	1528	2875	2182	1630	1203	50 100 150 200	\oplus 0,1 0,9 1,8	-0,3 \oplus 1,5 3,4	-2,6 -2,2 \oplus 2,9	-7,4 -6,8 -3,8 \oplus	-25,5 -24,6 -20,2 -14,5	1,6	6,9	16,6
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Alaska 18,5 g/285 gr # 20 193032	0.365	2067	1859	1666	1490	2704	2188	1756	1404	50 100 150 200	\oplus 0,3 1,3 2,5	-0,7 \oplus 1,9 4,3	-3,8 -2,9 \oplus 3,5	-9,8 -8,5 -4,7 \oplus	-31,6 -29,6 -23,9 -16,8	1,3	5,3	12,5
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9,3x62



Vulkan 15,0 g/232 gr # 20 193172	0.278	2625	2314	2025	1758	3551	2759	2112	1593	50 100 150 200	\oplus -0,1 0,4 1,2	0,2 \oplus 1,0 2,5	-1,3 -1,5 \oplus 2,2	-4,6 -4,9 -2,9 \oplus	-17,9 -18,4 -15,3 -11,0	1,3	5,6	13,5
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BALLISTIC DATA					Bullet type				Ball	Velocity feet per second				Energy foot pounds				Zero	Height of trajectory above line of sight if sighted					Wind drift in inches for a			
					Bullet weight g/gr				coef.	Muzzle	V ₁₀₀	V ₂₀₀	V ₃₀₀	Muzzle	E ₁₀₀	E ₂₀₀	E ₃₀₀	range,	in at	⊕	⊕	⊕	⊕	⊕	10 m.p.h cross wind.		
					Product number													yards	50	100	150	200	300 yds	100	200	300 yds	
9,3x62						Oryx 15,0 g/232 gr	# 20193072	0.267	2625	2302	2002	1728	3551	2731	2066	1539	50 100 150 200	⊕ 0,0 0,5 1,3	⊕ 0,1 1,1 2,6	-1,5 ⊕ ⊕ 2,2	-5,0 -5,1 -3,0 ⊕	-18,8 -19,0 -15,7 -11,3	1,4	5,9	14,1		
						Swift A-Frame 16,2 g/250 gr	# 20193112	0.285	2625	2322	2039	1778	3826	2993	2309	1755	50 100 150 200	⊕ 0,0 0,5 1,2	⊕ 0,1 1,1 2,5	-1,5 ⊕ ⊕ 2,2	-4,8 -5,0 -2,9 ⊕	-18,2 -18,4 -15,2 -10,9	1,3	5,4	13,1		
						Oryx 18,5 g/285 gr	# 20193132	0.330	2428	2176	1940	1721	3732	2998	2382	1874	50 100 150 200	⊕ 0,1 0,7 1,5	-0,1 ⊕ 1,3 2,9	-2,1 -1,9 ⊕ 2,5	-6,2 -5,9 -3,3 ⊕	-21,5 -21,0 -17,2 -12,2	1,2	5,2	12,3		
						Plastic point 18,5 g/285 gr	# 20193142	0.376	2362	2143	1937	1743	3532	2908	2375	1924	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,0	-2,1 -2,0 ⊕ 2,5	-6,2 -6,0 -3,4 ⊕	-21,6 -21,3 -17,4 -12,3	1,1	4,7	11,1		
						Alaska 18,5 g/285 gr	# 20193152	0.365	2362	2137	1925	1727	3532	2891	2345	1887	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,0	-2,2 -2,0 ⊕ 2,6	-6,3 -6,0 -3,4 ⊕	-21,9 -21,5 -17,6 -12,4	1,2	4,8	11,4		
9,3x74 R					Vulkan 15,0 g/232 gr	# 20193212	0.294	2559	2269	1998	1747	3374	2652	2056	1573	50 100 150 200	⊕ -0,1 0,5 1,3	⊕ ⊕ 1,1 2,6	-1,5 ⊕ ⊕ 2,3	-5,0 -5,2 -3,0 ⊕	-18,8 -19,2 -15,9 -11,4	1,3	5,5	13,1			
					Alaska 18,5 g/285 gr	# 20193202	0.365	2362	2137	1925	1727	3532	2891	2345	1887	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,0	-2,2 -2,0 ⊕ 2,6	-6,3 -6,0 -3,4 ⊕	-21,9 -21,5 -17,6 -12,4	1,2	4,8	11,4			
					Plastic point 18,5 g/285 gr	# 20193252	0.365	2362	2137	1925	1727	3532	2891	2345	1887	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,0	-2,2 -2,0 ⊕ 2,6	-6,3 -6,0 -3,4 ⊕	-21,9 -21,5 -17,6 -12,4	1,2	4,8	11,4			
					Oryx 18,5 g/285 gr	# 20193322	0.330	2362	2114	1881	1667	3532	2829	2241	1758	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,1	-2,2 -2,0 ⊕ 2,7	-6,5 -6,2 -3,5 ⊕	-22,7 -22,3 -18,3 -13,0	1,2	4,9	11,6			
.375 H&H Mag.					Barnes Solid 19,4 g/300 gr	# 20195052	0.191	2493	2061	1677	1356	4141	2829	1873	1224	50 100 150 200	⊕ 0,1 0,7 1,7	-0,1 ⊕ 1,4 3,4	-2,2 ⊕ ⊕ 2,9	-6,9 -6,7 -3,9 ⊕	-26,3 -26,1 -21,8 -16,0	2,1	9,4	23,3			
					Oryx 19,4 g/300 gr	# 20195202	0.320	2559	2292	2041	1807	4363	3500	2775	2176	50 100 150 200	⊕ 0,0 0,5 1,3	⊕ ⊕ 1,1 2,6	-1,6 ⊕ ⊕ 2,2	-5,1 -5,2 ⊕ ⊕	-18,6 -18,7 -15,4 -11,0	1,2	5,0	11,8			
.416 Rigby					Barnes Solid 25,9 g/400 gr	# 20110502	0.216	2297	1930	1604	1330	4687	3310	2284	1571	50 100 150 200	⊕ 0,2 1,0 2,1	-0,4 ⊕ 1,7 3,9	-3,1 ⊕ ⊕ 3,4	-8,6 -7,9 -4,5 ⊕	-30,5 -29,4 -24,4 -17,7	2,1	9,1	22,4			
					Swift A-Frame 25,9 g/400 gr	# 20110692	0.367	2349	2126	1916	1720	4902	4017	3262	2628	50 100 150 200	⊕ 0,1 0,7 1,6	-0,1 ⊕ 1,3 3,1	-2,2 ⊕ ⊕ 2,6	-6,4 -6,1 -3,5 ⊕	-22,2 -21,7 -17,8 -12,6	1,2	4,8	11,4			
.458 Win. Mag.					Barnes Solid 32,4 g/500 gr	# 20111102	0.235	2067	1750	1472	1245	4745	3401	2405	1721	50 100 150 200	⊕ 0,4 1,5 2,9	-0,8 ⊕ 2,2 4,9	-4,5 ⊕ ⊕ 4,2	-11,5 -9,9 -5,5 ⊕	-38,4 -36,0 -29,5 -21,2	2,2	9,6	23,2			
					Swift A-Frame 32,4 g/500 gr	# 20111202	0.361	2116	1903	1705	1523	4972	4022	3227	2577	50 100 150 200	⊕ 0,3 1,2 2,3	-0,6 ⊕ 1,8 4,0	-3,5 ⊕ ⊕ 3,4	-9,2 -8,0 -4,5 ⊕	-29,8 -28,1 -22,7 -16,0	1,4	5,7	13,6			
.470 Nitro Express					Woodleigh full jacket 32,4 g/500 gr	# 20112012	0.410	2165	1974	1794	1626	5205	4328	3574	2936	50 100 150 200	⊕ 0,3 1,1 2,1	-0,5 ⊕ 1,7 3,7	-3,3 ⊕ ⊕ 3,1	-8,5 -7,5 -4,1 ⊕	-27,3 -25,7 -20,7 -14,6	1,2	4,8	11,4			
					Woodleigh soft point 32,4 g/500 gr	# 20112022	0.411	2165	1975	1795	1627	5205	4330	3577	2940	50 100 150 200	⊕ 0,3 1,1 2,1	-0,5 ⊕ 1,7 3,7	-3,3 ⊕ ⊕ 3,1	-8,5 -7,4 -4,1 ⊕	-27,3 -25,7 -20,7 -14,6	1,2	4,8	11,3			

A continent that stretches from Arctic expanses in the north to subtropical climates at the Tropic of Cancer in the south, has a fauna that includes almost everything a hunter could wish for.

There is space for most everything here, from tundra, the conifer belt, and majestic mountain chains to the prairie and ever green marshes. Hunting practices are therefore multi-faceted, and there are great differences when it comes to what firearms and ammunition are needed.

That is why Norma meets the customers demand for quality and flexibility in their ammunition. We hold a strong position in the world, for those reasons.

Throughout the years, we have also had the advantage of an intimate and fruitful partnership with well-known firearm manufacturers like Weatherby and bullet manufacturer Nosler.

The result of this is something that benefits hunters all across the world.



NORTH AMERICA – THE CONTINENT WHERE DREAMS BECOME REALITY

Swarovski scope – for demanding hunters

Built to be used where there are demands for accuracy, optical brilliance, and durability.

At dusk or in strong light – you always get a clear and richly contrasted view all the way out to the edge of your field of vision.

Rectangular adjustment area and patented adjustment mechanism that can withstand all magnum calibers makes for precise and easy sighting-in.

Guaranteed 100% waterproof even if lighting unit or turret caps are removed.

More info: www.swarovskioptik.com





Schultz & Larsen rifle

A modern classic with a user-friendly design that puts quality and safety first.

A barrel of chrome molybdenum steel with traditional cut rifling guarantees that the barrel is absolutely free from internal stress.

Polishing with an individual cast tin lap and grinding compound gives every barrel a perfect bore with no obstructions. A must for outstanding precision with all types of ammunition.

More info: www.schultzlarsen.com



BUFFALO HUNTING IN NEBRASKA

As I crept in the snow up that hill in Nebraska with Bob, Jay and Bernhard, well aware that the buffalo we were after lay just over the hilltop, I wondered to myself in a moment of clarity, 'What are you doing here, you hopeless amateur?'. My American friends from Nosler and the No. 84 Ranch had told me to empty the magazine when I took the shot.

We worked our way over the top of the hill and I lay there in the snow with my .340 Weatherby Mark 5, with my feet high and my head low. I aimed at the buffalo, 50 yards further down. When it spotted us, I fired off my four rounds and the great animal fell. At the same time, Bernhard from Blaser fired his R93 and buffalo number two met the same fate as mine. Nosler's outstanding Accubond bullets had done their job.

At some point during all this, I stood up (unable to recall afterwards just when that was) and had an ugly cut on my forehead and blood running down to my nose. I hadn't even noticed the shot.

Of course, everyone was overjoyed at my little wound, and I think that long after they've forgotten what I shot, they will still remember my bloody face. My only consolation is that it happens to every hunter at some point.

Anyway, I stood up and looked around me in the glistening sunshine. Blue skies, rolling hills with light brown prairie grass sticking up from the snow, and a sweeping view. So beautiful!

It was a privilege to be there at just that moment!

Torbjörn Lindskog

WITH NORMA IN NEW ZEALAND

"As the stag browsed towards the bush edge I rested my .308 Sauer against a tree trunk and followed him through my scope. Fading light and a cool 10kph wind coming off the snowline made for a difficult shot but I had complete confidence in my cartridge. I waited until the stag paused, then as it turned towards me and lifted its head I squeezed the trigger. Perhaps I imagined it, but I felt that I heard the impact of the bullet even from a distance. The stag turned as if to run but in a moment its legs folded and the animal dropped into the tussock.

My cartridge of choice was a Norma 150 grain Nosler BST. The bullet had struck the stag directly on the point of aim, expanded, passed right through the centre of its chest and exited on the off-side. I was impressed with the projectile's ability to buck the wind, and with its deep penetration. With a laser rangefinder my companions checked the distance from the tree to the fallen animal – 217 yards.

I have used Norma ammunition throughout my hunting career because of its accuracy and dependability. It has never let me down."

Nik Maxwell, Tauranga, New Zealand.



Handloading and customizing cartridges brings out new sides in many hunters and marksmen.

Just the feeling of being able to tailor your cartridges with the help of top quality components and influence the result is a big thing for many people. Shooting is less expensive and you acquire a lot of valuable knowledge.

It's easy to learn how to handload your own cartridges with the help of specifications worked out by powder and ammunition manufacturers.

THE HEART OF THE CARTRIDGE IS THE CASE

It should be used over and over again, maybe ten times or more before being replaced.

To handle the stress it is exposed to upon firing, you can't scrimp on anything.

Measurements must be perfect with close tolerances, and meticulous control throughout the entire manufacturing process is required to create a perfect product. Norma's cases are renowned throughout the world for their high and uniform quality.

That is one of the reasons many well-known ammunition manufacturers buy Norma cases for their own production.

NORMA BULLETS – A CENTURY OF EXPERIENCE AND DEVELOPMENT

For 100 years, the golden rule at Norma has been precision and quality. Continuous progress stretching from the days of steel-jacketed bullets to today's precision bullets with gilding metal jackets and bonded cores has given Norma a leading position in the world. The reason for that is simple – thoroughly planned production and tight control over everything from casting to the final product.

EURENCO BOFORS

Alfred Nobel never received any prize for his pioneering inventions. The most important one for hunters and marksmen is without a doubt the smokeless double base powder. A powder made by mixing nitrocellulose with nitroglycerin diluted in ether. At the end of the 1800s, Alfred Nobel purchased the cannon maker, Bofors, and started production of his new, revolutionary powder. This made it possible to shoot jacketed, fine caliber bullets at high velocities, something that was previously not technically feasible. Norma has a long and successful tradition with Bofors as its supplier of top quality powder. More info: www.eurenco.com.

NORMA CASES

Caliber	Prod. no	Caliber	Prod. no
.220 Swift	# 20257013	.338 Lapua Mag.	# 10285073
.222 Rem.	# 20257113	.358 Norma Mag.	# 20290013
.223 Rem.	# 20257213	9,3x57	# 20293013
.22-250 Rem.	# 20257313	9,3x62	# 20293113
.243 Win.	# 20260013	9,3x74 R	# 20293213
6 mm Norma BR	# 10260153	.375 H&H Mag.	# 20295013
6,5-284 Norma	# 10265283	.404 Jeffrey	# 20210433
6,5 Jap.	# 20265313	.416 Rigby	# 20210603
6,5 Carcano	# 20265353	.45 Basic	# 20211233
6,5x55	# 20265513	.458 Win.	# 20211553
.270 Win.	# 20269013	.458 Lott NEW!	# 20211573
.270 WSM NEW!	# 20269073	.470 Nitro Express	# 20211633
7 mm-08 Rem. NEW!	# 20270223		
7x57	# 20270013		
7x57 R	# 20270043		
7x64	# 20270123		
7x65 R	# 20270183		
7 mm Rem. Mag.	# 20270213		
.280 Rem.	# 20270503		
7,5x55 Swiss	# 20275113		
.300 WSM	# 20276763		
.308 Win.	# 20276233		
7,62 Russian	# 20276343		
.308 Norma Mag.	# 20276373		
.30-06	# 20276403		
.300 Win. Mag.	# 20276663		
7,65 Arg.	# 20277013		
7,7 Jap	# 20277213		
8x57 JS	# 20280013		
8x57 JRS	# 20280143		
.338 Win. Mag.	# 20285043		

Norma cases for the Weatherby Magnum

Caliber	Prod. no
.224 Wby. Mag.	# 20257403
.240 Wby. Mag.	# 20260203
.257 Wby. Mag.	# 20265023
.270 Wby. Mag.	# 20269123
7 mm Wby. Mag.	# 20270323
.300 Wby. Mag.	# 20276603
.30-378 Wby. Mag.	# 20276773
.338-06 Wby. Mag.	# 20285113
.338-378 Wby. Mag.	# 20285163
.340 Wby. Mag.	# 20286023
.378 Wby. Mag.	# 20295123
.416 Wby. Mag.	# 20210653
.460 Wby. Mag.	# 20211603

NORMA BULLETS

Standard = 100 bullets/box
*-2 = Packed 2x500 bullets/box

Caliber 5,7 mm	Hunting
	Soft point 3,2 g/50 gr Product # 20657011 (-2)*
	Full Jacket 3,2 g/50 gr Product # 20657021 (-2)*
	Soft point 3,4 g/53 gr Product # 20657041
	Soft point 4,0 g/62 gr Product # 20657051
Caliber 6 mm	Hunting
	Oryx 6,5 g/100 gr Product # 20660501 NEW!
	Soft point 6,5 g/100 gr Product # 20660031
Caliber 6,5 mm	Match
	Diamond Line 8,4 g/130 gr Product # 10665081 (Packed 2x500 bullets/box)
	Hollow point 8,4 g/130 gr Product # 10665091 (Packed 2x500 bullets/box)
	Hollow point 6,5 g/100 gr Product # 10665201 (Packed 2x500 bullets/box)
Caliber 6,5 mm	Hunting
	Hollow point 6,5 g/100 gr Product # 20665201 (-2)*
	Full Jacket 7,8 g/120 gr Product # 20665141
	Oryx 10,1 g/156 gr Product # 20665241
	Alaska 10,1 g/156 gr Product # 20665321
	Vulkan 10,1 g/156 gr Product # 20665351



Alfred Nobel



Caliber .270	Hunting
	Full Jacket 8,4 g/130 gr Product # 20669311 NEW!
	Oryx 9,7 g/150 gr Product # 20669501 NEW!
Caliber 7 mm	Hunting
	Full Jacket 9,7 g/150 gr Product # 20670031
	Oryx 10,1 g/156 gr Product # 20670041
	Vulkan 11,0 g/170 gr Product # 20670061
Caliber .30	Match
	Diamond Line 10,9 g/168 gr Product # 10676351
Caliber .30	Hunting
	Full Jacket 9,7 g/150 gr Product # 20676511 (-2)*
	Oryx 11,7 g/180 gr Product # 20676381
	Alaska 11,7 g/180 gr Product # 20676481
	Vulkan 11,7 g/180 gr Product # 20676531
	Oryx 13,0 g/200 gr Product # 20676391

Caliber 8 mm	Hunting
	Full Jacket 8,0 g/123 gr Product # 20680141
	Oryx 12,7 g/196 gr Product # 20680011
	Alaska 12,7 g/196 gr Product # 20680031
	Vulkan 12,7 g/196 gr Product # 20680201
Caliber .338 mm	Hunting
	Full Jacket 14,6 g/225 gr Product # 20686101
	Oryx 14,9 g/220 gr Product # 20686181 (50 bullets/box) NEW!
Caliber .358 mm	Hunting
	Oryx 16,2 g/250 gr Product # 20690071 (50 bullets/box) NEW!
Caliber 9 mm	Pistol
	Full Jacket TC 8,0 g/123 gr Product # 30690272
Caliber 9,3 mm	Hunting
	Vulkan 15,0 g/232 gr Product # 20693051
	Full Jacket 15,0 g/232 gr Product # 20693061 NEW!

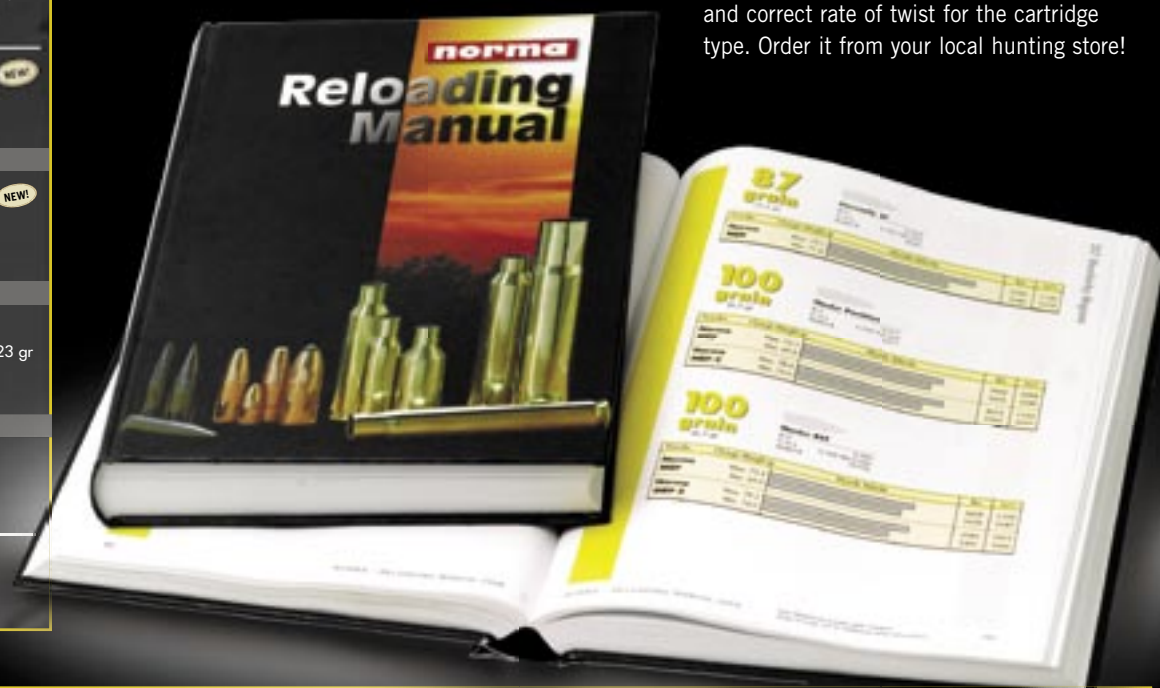
Caliber 9,3 mm	Hunting
	Oryx 15,0 g/232 gr Product # 20693071
	Oryx 18,5 g/285 gr Product # 20693081 (50 bullets/box)
	Alaska 18,5 g/285 gr Product # 20693161 (50 bullets/box)
Caliber .375	Hunting
	Oryx 19,4 g/300 gr Product # 20695071 (50 bullets/box) NEW!

NORMA'S LOADING MANUAL

Loaded with 425 pages of information and everything you need to know for safe handloading.

In addition to loading data for 73 calibers from the .222 Rem to the .505 Gibbs, you'll find informative chapters on powder, detonators, and ballistics written by leading experts in the field.

For each caliber, there is information on dimensions according to the CIP standard and a full description of the cartridge's background and its fields of application. Plus, information on barrel length and correct rate of twist for the cartridge type. Order it from your local hunting store!



NORMA POWDER

NORMA 200 POWDER

Our fastest gunpowder is suitable for smaller cartridges such as .222 Rem and .22 Hornet.

It can also be used to shoot lightweight, low velocity bullets in medium calibers such as the .308 Win.

500 g/canister.
Prod. # 20932005

NORMA 201 POWDER

Very suitable for calibers with small case volume in relation to the caliber such as 9.3x57 and .45-70. It's also the right choice for shooting lightweight bullets in medium sized cases such as .30-06.

500 g/canister.
Prod. # 20932015

NORMA 202 POWDER

Specially developed to provide maximum performance in .308 Win.

A very useful powder for medium calibers such as 8x57, 9.3x62 and 9.3x74 R.

500 g/canister.
Prod. # 20932025

NORMA 203B POWDER

Specifications differ slightly from the previous 203 powder.

A flexible powder that is useful from .22-250 to .358 Norma Mag. Very suitable for 6 mm Norma BR and .308 Win. Loaded with heavier bullets.

500 g/canister.
Prod. # 20932035

NORMA 204 POWDER

A slow-burning powder that provides good performance and often quite good accuracy in calibers such as 6.5x55 and .30-06.

500 g/canister.
Prod. # 20932045

NORMA MRP POWDER

A very flexible "magnum powder". Suitable for a number of calibers with relatively large case volume in relation to the caliber.

Well-known for many years as a high performance powder in all magnum calibers.

500 g/canister.
Prod. # 20932055

NORMA MRP2 POWDER

The perfect choice for over bore calibers such as 6.5-284, 6.5-06 and Weatherby cartridges.

500 g/canister.
Prod. # 20932065

NORMA URP POWDER **NEW!**

A vigorous, mid-range powder. Excellent choice for medium sized cartridges such as 7x64 and .30-06.

500 g/canister.
Prod. # 20932195

NORMA MATCH POWDER 1211	NORMA MATCH POWDER 1214
500 g/canister. # 10932115	500 g/canister. # 10932145
Loading data only at canister.	

Norma has traditionally worked together with successful marksmen. We have created opportunities and developed ammunition with the aim of pushing the sport to the outer limits of human capability.

We have had plenty of success over the years, which we are proud of, but we are not resting on our laurels.

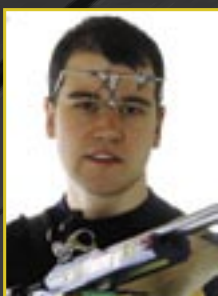
Strict monitoring of every step in the production process and careful balancing of charge and bullet weight yields optimal uniformity in muzzle velocity and provides maximum accuracy.

We continue to be inspired and with a combination of talent, creative thinking and technological innovations, more champions will be made.



Ola Tore Dokken, Norway

World champion Mil. standard Rifle 3x20 Team, Nordic champion and winner of the Norwegian royal trophy (Konge-pokalen) in 2004 with record high points. Shoots with Diamond Line.



Per Sandberg, Sweden

Tied the world record in 2004 with 600 pts. in a 60 shot match, prone. Won European Cup Final in 2003 shooting a half-match. Shot 1180 pts. in whole match while qualifying for EC Final. (World record is 1178 points). Shoots with 6mm Norma BR Diamond Line.

THE RESULTS SPEAK FOR THEMSELVES





Peltor Pro Tac

Active-volume hearing protection that provides the perfect protection against impulse noises from firing shots or other harmful noise.

You hear only what you want or need to. Pro Tac is designed to be worn with maximum comfort for long periods.

More info: www.peltor.se

Norma Diamond Line – for maximum accuracy



Norma's Diamond Line cartridges are loaded with specially chosen bullets that have a molybdenum disulfide and wax finish.

The black coating reduces friction and you get less barrel wear, more uniform velocity, lower gas pressure and maximum accuracy.



6 mm Norma BR

Ten years' dominance in international rifle shooting actually says everything about the 6 mm Norma BR.

A perfect combination of accuracy, minimal wind drift, and light recoil makes it the natural choice for the big championships. Moly-coated bullet.



.308 Win. Match

Developed for international rifle shooting for free or standard rifles.

Moly-coated bullet.



NORMA'S MATCH LINE FOR RANGE AND FIELD

Where medals and championships are won,
you'll always find Norma.

We are leaders in the development of match
cartridges and we have decided to continue
along that road.

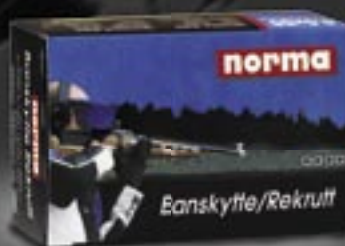
BALLISTIC DATA

Caliber Product name	Product number	Coeffi- cient	Bullet type	Bullet weight gram grains	Barrel length inch	Velocity feet/sec. Muzzle	50 cartridges/box.						* = 20 cartridges/box.	
							Height of trajectory above line of sight if sighted in at 100 yards. For sights 1.6 inches above bore.						Wind drift in inches for a 10 m.p.h. cross wind	
6 mm Norma BR Diamond Line Berger	# 10160162	.517	Coated hollow point	6,8 105	26	2789	4,2	5,0	⊕	-11,4	-30,2	-57,5	5,5	24,3
6,5x55 Banskytte/Rekrutt	# 10165230	.345	Hollow point	6,5 100	29	2625	5,6	6,7	⊕	-16,3	-44,9	-89,3	11,0	50,1
Diamond Line Bana	# 10165000	.548	Coated hollow point	8,4 130	26	2723	4,5	5,3	⊕	-12,1	-32,2	-61,3	5,3	23,3
Diamond Line Bana	# 10165000	.548	Coated hollow point	8,4 130	29	2788	4,2	5,0	⊕	-11,5	-30,5	-58,1	5,1	22,5
Diamond Line Fält	# 10165300	.548	Coated hollow point	8,4 130	29	2986	3,5	4,2	⊕	-9,9	-26,2	-49,8	4,6	20,3
Golden Target	# 10165130	.548	Hollow point	8,4 130	29	2723	4,5	5,3	⊕	-12,1	-32,2	-61,3	5,3	23,3
.308 Win. Diamond Line Sierra	# 10176152	.470	Coated hollow point	10,9 168	26	2549	5,5	6,4	⊕	-14,9	-39,8	-76,6	7,6	34,5
7,5x55 Swiss Match Diamond Line Sierra	# 10175130*	.470	Coated hollow point	10,9 168	26	2443	5,4	6,3	⊕	-14,8	-39,4	-76,0	7,6	34,2



6,5x55 Banskytte/Rekrutt

A cartridge used for practice and instruction
that offers good performance at a
reasonable price. The bullet is uncoated.



6,5x55 Diamond Line Bana

Developed primarily for national match shooting.
High muzzle velocity minimizes wind drift and
maximizes accuracy. Light recoil and the
moly-coated bullet reduce barrel wear.



6,5x55 Diamond Line Fält

The champion cartridge for field shooting. Optimized for maximum
accuracy from long distances. Flat trajectory and high wind
resistance. Moly-coated bullet to increase barrel lifespan.



6,5x55 Golden Target

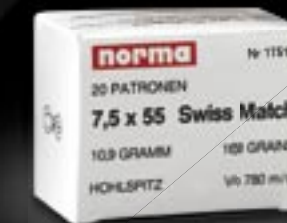
A cartridge that loads with bullets without
moly-coating. Excellent accuracy and
a great choice for either field or range
shooting.



7,5x55 Swiss Match

Specially developed for the Swiss market's
standard and free rifle shooters.

Moly-coated bullet for maximum accuracy
and reduced barrel wear.



NORMA .22 LONG RIFLE

Norma Match 1 is a choice cartridge of the highest quality intended for elite marksmen with exacting standards.

Norma Training 2 is an excellent cartridge for practice and for a wide range of activities in rifle sports.

BALLISTIC DATA

Caliber Bullet weight	Bullet type	Product- number	Velocity feet/sec
.22 LR Match 1 2.6 g/40 gr	Lead, round nose	# 87156130	1066
.22 LR Training 2 2.6 g/40 gr	Lead, round nose	# 87156140	1066

50 cartridge/boxes



NORMA PISTOL AND REVOLVER CARTRIDGES

The 9 mm and .32 S&W pistol cartridges have been developed through close cooperation with the world's leading pistol shooters.

Norma's 9 mm security cartridge is loaded with a bullet developed to meet the high demands of performance and accuracy. It is intended primarily for police work and is used in many countries.



BALLISTIC DATA

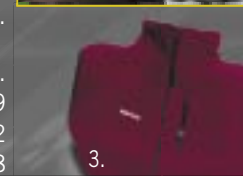
Caliber Bullet weight	Bullet type Product- number	Velocity feet per second in yards				Energy foot pounds yards				Zero range yards	Height of trajectory above line of sight if sighted in at 0 yards for sights 0.8 inch above bore				Wind drift in inches for a 10 m.p.h. cross wind			
		Muzzle	V ₂₅	V ₅₀	V ₁₀₀ yds	Muzzle	E ₂₅	E ₅₀	E ₁₀₀ yds		25	50	80	100 yds	25	50	80	100 yds
.32 S&W Long 6,4 g/98 gr	Lead, wc # 37178102	787	758	732	683	136	126	118	102	25 50	± 1.4	-3.0 ±	-12.0 -7.1	-21.4 -15.3	0.4	1.6	3.9	6.1
9 mm TC Luger 8,0 g/123 gr	Full jacket # 37190352	1099	1032	980	899	331	292	263	221	25 50	± 0.6	-1.2 ±	-5.8 -3.8	-10.7 -8.2	0.5	1.8	4.5	6.7
9 mm TC K-pist 8,0 g/123 gr	Full jacket # 37190362	1280	1170	1086	972	449	375	323	259	25 50	± 0.4	-0.8 ±	-4.2 -2.9	-8.1 -6.5	0.6	2.2	5.5	8.3

50 cartridge/boxes

PROMOTIONAL PRODUCTS

Sold in retail stores:

1. Cap
Prod. # 66040101
2. T-shirt
Prod. # 66040100 M, L, XL.
3. Vest
Prod. # 66040116 M, L, XL.
4. Denim shirt
Prod. # 66040106 M, L, XL.
5. Pique shirt
Prod. # 66040107 M, L, XL.
6. Knife Prod. # 66040109
7. Bag Prod. # 66040102
8. Thermos Prod. # 66040108
9. Bullet board ... Prod. # 66040111



9. Norma's exclusive bullet board displays 102 bullets and 36 cartridges, affixed to a velvet background with a gold colored frame. Size 75x55 cm.

NORMA REPRESENTATIVES

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