

# SMALL ARMS AMMUNITION

ARMOR PIERCING - IR TRACER - HIGH PERFORMANCE  
REDUCED RANGE - NON TOXIC HP

9x19mm  
5.56x45mm  
7.62x51mm





Small Caliber Division - Military Specialities

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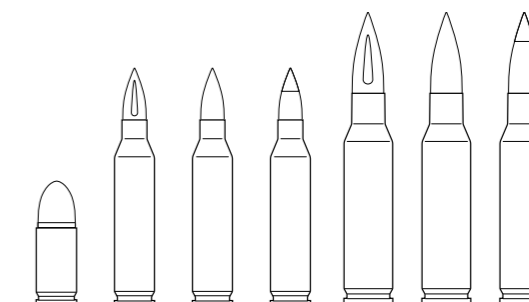
## SMALL ARMS AMMUNITION

Nammo Small Caliber Division (SCD) has the widest product range of combat ammunition offered to the market today and is serving customers worldwide.

For **Defense Forces**, Nammo can offer a full range of products in all common small arms calibers used today. The range include NATO calibers 5.56mm, 7.62mm, 9mm and .338 Lapua Magnum.

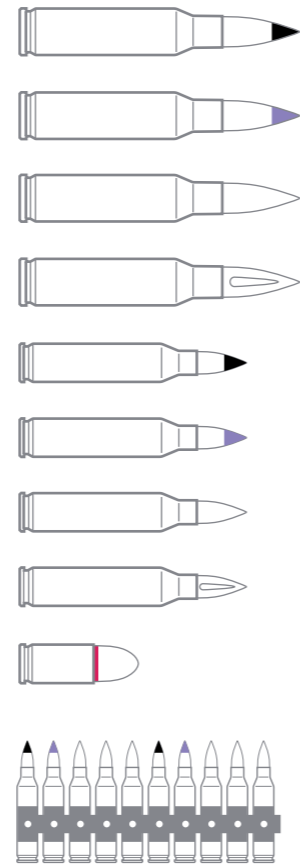
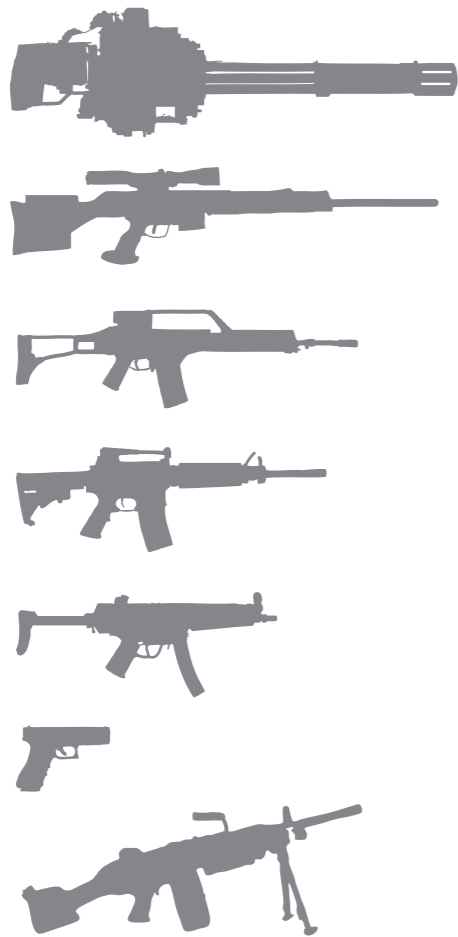
In these calibers the product range covers both standard ammunition – ball/tracer – and special niche products such as Armor Piercing, Infra Red Tracer, Non Toxic High Performance and Reduced Range Combat ammunition.

The know-how and skills of Nammo in defense areas has successfully been combined for the **Law Enforcement and Federal Agencies** around the world. Several products are offered to this market, numerous innovative special rounds are available.



# AMMUNITION

Nammo Small Caliber Ammunition, is developed to deliver Maximum Performance.



**AP – Armor Piercing** (US M995 / M993) increase the war fighters lethality tremendously. 5.56mm AP penetrates 12mm RHA 300HB @ 100m, heavy body armor and concrete walls. 7.62mm AP penetrates 18mm RHA 300HB @ 100m, heavy body armor and more than 200mm reinforced concrete at normal battle distances.



**Non Toxic High Performance** is 100% Lead Free and has an improved performance compared to Standard NATO Ball. Exists in all three NATO Calibers – both Ball and Tracer. Nammo has a NATO Qualified Lead Free ammunition portfolio in full production.



**9mm HP – High Performance** is a 9x19mm High Performance cartridge penetrating more than 50 layer of para-aramid or 3mm steel at 75m. Very suitable for SF units or Police using Glock, MP-9 and HK MP5. Also available in Non Toxic version.



**IR-Tracer** (USMC Mk301 Mod 0) is totally invisible to the naked eye. Can only be seen with Night Vision Devices (NVD's), giving the user clear advantages as a stealth fighter at night.



**RR – Reduced Range** has the same performance as NATO Ball up to a distance of 200 meters, but with a Dmax (Safety Fan) of maximum 1500m. For use in populated sensitive areas, protection of Dangerous Goods transport-, Airport-, Harbour- or Embassies protection. Excellent for training in restricted areas.

All ammunition types can be linked and used together in various configurations in all corresponding NATO weapon systems.

# PUNCHING POWER

Servicemen equipped with the Nammo AP-M995 / M993 (5.56mm/7.62mm) and 9mm HP has the highest level of fire power available on the market today.

## AP - ARMOR PIERCING AMMUNITION

Threats on the battlefield are tougher than ever. The new type of enemy our war fighters are facing today is very mobile and flexible in the environment where the fighting takes place. An urban terrain created by clay, bricks or concrete, streets filled with car wrecks and debris provides the enemy with numerous places to hide or take cover from conventional Small Arms ammunition.

War fighters using Standard Regular Ball ammunition have a very small or even none effect in these targets and Medium caliber weapons, not always available, might often be brought in to penetrate the obstacle covering the enemy fighter – momentum and time is lost.

By using Nammo 5.56mm and 7.62mm AP in urban terrain you can tremendously increase the lethality of each single war fighter. His extreme firepower will easily penetrate the enemy hideouts no matter if it's made of concrete or steel.

The individual rifleman will also have the ability to stop enemies/insurgents with heavy body armor and threatening vehicles by penetrating body armor and/or vital parts of the vehicle.

Nammo AP, also type classified in US with designation M995 and M993, have been sold in large numbers to Governments, Armed Forces, Federal Agencies and Law Enforcements, who want their servicemen and women to have the very best.

## ACCURACY WITH POWER

Nammo does also offer the world's most complete line of precision ammunition for military and law enforcement purposes. .338 Lapua Magnum has become the round to bridge the gap between the 7.62mm and .50 Cal. It is superb in terms of tactical use offering much less weight than a light .50 cal system, but gives great ballistics, accuracy and firepower. The .338 Lapua Magnum AP is really an excellent round, slicing through body-armor with ease at long ranges.



Linked AP ammunition



5.56mm AP3 (M995) and 7.62mm AP (M993)



AP3 (M995) penetrates 12mm Armor at 100m  
AP8 (M993) penetrates 18mm Armor at 100m

## AP - ARMOR PIERCING - TECHNICAL DATA

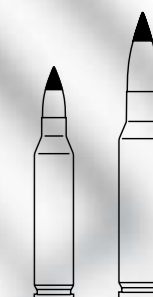
Caliber:	Name:	Performance:	Penetration:
5.56x45mm	AP3 (M995)	STANAG 4172	12 mm RHA 300HB at 100m
7.62x51mm	AP8 (M993)	STANAG 2310	18 mm RHA 300HB at 100m 7 mm RHA 450HB at 500m

Can be linked, mixed with other types of ammunition.

## PACKAGING:

- Paper box
- Clips
- Linked

IN USE BY SEVERAL DEFENSE FORCES WORLDWIDE



# HIGH TECH TRACERS

## NEW TECHNOLOGY

Nammo has a long experience in development and production of tracer ammunition. Nammo offers customers both conventional and Infra Red tracer ammunition with long burning times, useful for Army, Navy and Aviation who might need to direct and adjust fire at very long distances.

### IR- [INFRA RED] TRACER/ DIM-TRACER

Today's combat units are to a growing extent using Night Vision Devices [NVD's] to enable stealthy night combat operations. This has put the focus on the need to adopt traditional visible tracer ammunition to a new operational scenario.

Nammo has met that need with the development of the new 5.56mm and 7.62mm IR-Tracer.

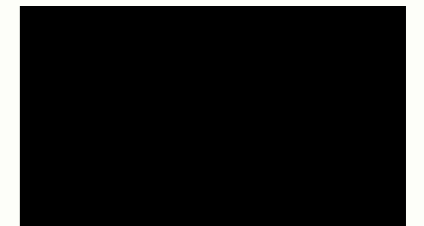
The latest IR technology adopted in these calibers makes the IR Tracer totally invisible to the naked eye and solves several operational combat obstacles, giving the user clear advantages in stealth combat scenarios.

### THE IR TRACE:

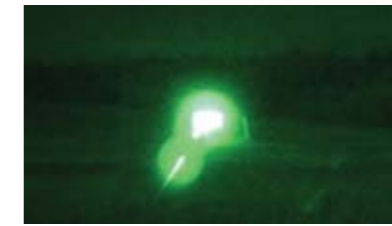
- Not visible for enemies without NVD's
- No tracking of own firing position, reducing risk of own casualties
- No disturbance in own NVD's  
Maintained target location and observation after opening of fire, maximum hit probability with a low ammunition usage
- No backwards illumination by your own tracers. Prevents enemy equipped with NVD's to evaluate your firing position
- Reduced muzzle flash  
Minimal exposure of own units reducing the possibility for enemy to judge your numbers or see the size of attacking force
- Short ignition distance  
Optimal aiming aid in night combat at short distances



Standard Tracer - Visible



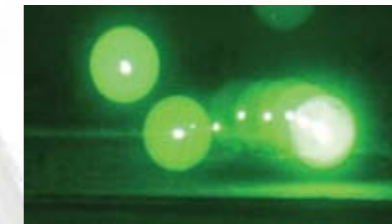
IR Tracer - Invisible to the naked eye



Standard Tracer - Burst towards target



IR Tracer - Burst towards target



Standard Tracer - Burst over a field



IR Tracer - Burst over a field



Standard Tracer single shot (using silencer)



IR Tracer single shot (using silencer)



Standard Tracer at target, 100m



IR Tracer at target, 100m

### IR - TRACER - TECHNICAL DATA

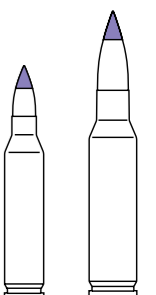
Caliber:	Name:	Performance:
5.56x45mm	IR-Trace (Mk301)	STANAG 4172
7.62x51mm	IR-Trace	STANAG 2310

Can be linked, mixed with other types of ammunition.

### PACKAGING:

- Paper box
- Clips
- Linked

IN USE BY SEVERAL DEFENSE FORCES WORLDWIDE



These images are seen through a NVD (Night Vision Device)

# NON TOXIC

HIGH PERFORMANCE

# NEW TECHNOLOGY



## BACKGROUND

The environmental requirements for various types of products have become more stringent in recent years and environmental awareness has increased within both authorities and armed forces.

Many of the existing ranges and indoor training centers do not have the necessary bullet catchers or ventilation systems to handle lead deposits or dangerous vapours. Costs for solving these problems are increasing every year resulting in ranges closing down or less training time given in existing centers.

With Nammo's **100% Lead Free** ammunition, [also free from heavy metals in powder and primer], the absence of these facilities will not affect the user. Governments' concerns about Health & Safety and environmental issues will not arise nor will future demilitarization problems with old stocks of leaded ammunition.

## SUCCESSFUL DEVELOPMENT

Nammo has for a long time, been working with development of a lead free improved Standard ammunition for both Combat and Training, this to save the Armed Forces logistical problems when going from training directly to missions. The successful work was finalized year 2000 and Nammo started a **full serial production** of 5.56mm and 7.62mm Ball and Tracer.

The Non Toxic High Performance ammunition has a better performance than standard leaded NATO Ball while also being functional for indoor- out door training.

The Nammo Lead Free program is today **NATO Qualified** in calibers 5.56x45mm and 7.62x51mm Ball and Tracer and is in service by Armed Forces, Federal Agencies and Police since several years.

## NAMMO NON TOXIC AMMUNITION PORTFOLIO:

9mm Ball  
9mm HP

5.56mm Ball  
5.56mm Tracer

7.62mm Ball  
7.62mm Tracer

5.56mm RR  
7.62mm RR



This is a 100% LEAD FREE ammunition with the same performance as standard NATO Ball ammunition. NO heavy metals in powder or primer. The steel core gives an improved penetration.

## NON TOXIC (LEAD FREE) - TECHNICAL DATA

Caliber:	Name:	Performance:
9mm	Ball HP	STANAG 4090
5.56x45mm	Ball HP	STANAG 4172
5.56x45mm Tracer	Tracer - NT	STANAG 4172
7.62x51mm	Ball HP	STANAG 2310
7.62x51mm Tracer	Tracer - NT	STANAG 2310

Can be linked, mixed with other types of ammunition.

## PACKAGING:

- Paper box
- Clips
- Linked

IN USE BY SEVERAL DEFENSE FORCES and FEDERAL AGENCIES WORLDWIDE

