

# 9 MT-X Marker Training Ammunition

*The 9mm MT-X Marker Training Ammunition is non-lethal ammunition designed for realistic, safe and reliable training for professional use in military and law-enforcement. The special cartridge and bullet design assure optimal function on 9x19mm semi-auto pistols equipped with conversion kit or on dedicated weapons.*

## MAIN FEATURES

- Designed for safe and realistic force on force and force on target training shooting.
- Indoor and out door training without special range infrastructure and equipment required.
- Marking compound is non-toxic with good visibility and washable with water and soap.
- Environmentally friendly with non-toxic, non-corrosive and heavy metal free primer.

## TECHNICAL DATA

<b>Designation</b>	9 MT-X Marker Training Ammunition		
<b>Calibre</b>	9mm		
<b>Part number and NSN</b>	9 MT-X red	P/N: 502768	NSN: 1305-42-000-2165
	9 MT-X blue	P/N: 502769	NSN: 1305-42-000-2166
	9 MT-X yellow	P/N: 502770	NSN: 1305-42-000-2167
	9 MT-X white	P/N: 502919	NSN: 1305-42-000-2361
	9 MT-X non-marking	P/N: 503022	NSN: 1305-42-000-2362



<b>Cartridge case and base</b>	Zink alloy, copper plated with black finish
<b>Bullet material</b>	PE / TPE
<b>Bullet weight</b>	≤0.48 grams
<b>Marking compound</b>	Non-toxic, washable inert gelatin
<b>Marking colours</b>	Red, blue, yellow, white and non-marking inert projectile
<b>Primer</b>	NONTOX Boxer type, non-corrosive, heavy metal free
<b>Propellant</b>	Primer powered without propellant
<b>Total cartridge weight</b>	~6.2 grams
<b>Operational temp. range</b>	-20°C to +50°C
<b>Shelf life</b>	5 years
<b>Storage</b>	In original closed packaging in dry and ventilated ammunition storeroom Long term storage: +0°C to +25°C at RH up to 70%
<b>Hazard code</b>	1.4S, UN 0012



## USE

**Firing mode** Semi-auto and auto firing with 9x19 calibre pistols and submachine guns equipped with conversion kits or with dedicated weapons for marker training ammunition.

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**BALLISTIC DATA**

<b>Muzzle velocity and energy</b>	*~142m/s, maximum muzzle impact energy less than 5.0 Joules
<b>Velocity and energy at 3.5m</b>	*~130m/s, impact energy *~4.1 Joules
<b>Velocity and energy at 10m</b>	*~102m/s, impact energy *~2.5 Joules, accuracy *~7cm dia.
<b>Velocity and energy at 15m</b>	*~86m/s, impact energy *~1.8 Joules, accuracy *~13cm dia.
<b>Velocity and energy at 20m</b>	*~68m/s, impact energy *~1.1 Joules, accuracy *~21cm dia.
	*average values can vary depends on pistol type, barrel length and weapon conditions
<b>Effective training range</b>	Up to 25 meters
<b>Maximum bullet range</b>	Up to 75 meters

**SAFETY**

<b>Safety equipment</b>	Users during the training and force-on-force shooting must wear approved mandatory protective equipment for head, face and throat protection and protective gloves. Double layers of long clothes and groin protection is recommended.
<b>Minimum safety distance</b>	Recommended safety distance front of muzzle is minimum 0.3 meters for shooting on protected person.
<b>Terminal effect</b>	Non-lethal, bullet impact can leave on exposed skin bruises or scrapes.
<b>Safety design</b>	Reduced bore calibre assure protection from 9x19mm live cartridge that will not load into the chamber.
<b>Sound level</b>	Peak sound level pressure not exceed 137 dBC measured at shooter head position. It's not strictly necessary to wear hearing protection when firing MT-X ammo.

**PACKING**

<b>Inner packing</b>	50 cartridges in inner cardboard box with plastic tray
<b>Intermediate packing</b>	waterproof sealed bag
<b>Outer packing</b>	20 inner packs of total 1,000 cartridges in carton box