

5.56 MT-X Marker Training Ammunition

The 5.56 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 5.56x45mm auto and semi-auto rifles equipped with conversion kit or on dedicated MT-X rifles.

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

Designation	5.56 MT-X Marker Training Ammunition		
Calibre	5.56x45mm		
Part number and NSN	5.56 MT-X red	P/N: 503040	NSN: 1305-42-000-2334
	5.56 MT-X blue	P/N: 503041	NSN: 1305-42-000-2335
	5.56 MT-X yellow	P/N: 503042	NSN: 1305-42-000-2343
	5.56 MT-X non-marking	P/N: 503045	NSN: 1305-42-000-2346
Cartridge case and base	Zinc alloy, copper plated with black finish / Aluminium		
Bullet	PE / TPE		
Bullet weight	≤0.22 grams		
Marking compound	Non-toxic, washable inert gelatin		
Marking colours	Red, blue, yellow and non-marking inert projectile		
Primer	NONTOX Boxer type, non-corrosive, heavy metal free		
Propellant	Double base propellant		
Total cartridge weight	~8.8 grams		
Operational temp. range	-20°C to +50°C		
Shelf life	5 years		
Storage	In original closed packaging in dry and ventilated ammunition storeroom Long term storage: +0°C to +25°C at RH up to 70%		
Hazard code	1.4S, UN 0012		
USE			
Firing mode	Semi-auto and auto firing with 5.56x45 rifles equipped with conversion kits or with dedicated rifles for marker training ammunition.		



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BALLISTIC DATA

Muzzle velocity and energy	*~190m/s, maximum muzzle impact energy less than 5.0 Joules
Velocity and energy at 3.5m	*~180m/s, impact energy *~3.6 Joules
Velocity and energy at 10m	*~145m/s, impact energy *~2.3 Joules, accuracy *~8cm dia.
Velocity and energy at 20m	*~110m/s, impact energy *~1.3 Joules, accuracy *~16cm dia.
Velocity and energy at 30m	*~ 70m/s, impact energy *~0.6 Joules, accuracy *~25cm dia.
	*average values which variate depends on rifle type, barrel length and weapon conditions
Effective training range	Up to 45 meters
Maximum bullet range	Up to 100 meters

SAFETY

Safety equipment	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.
Minimum safety distance	Recommended safety distance front of muzzle is minimum 1 meter for shooting on protected person.
Terminal effect	Non-lethal, bullet impact can leave on exposed skin bruises or scrapes.
Safety design	Extended cartridge case and reduced rim diameter assure protection from live cartridge that will not load into the chamber.
Sound level	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

Inner packing	50 cartridges in inner cardboard box with plastic tray
Intermediate packing	waterproof sealed bag
Outer packing	12 inner packs of total of 600 cartridges in carton box