

Designation:	UTM, 9mm, Man-Marker Rounds (MMR)
Origin:	Great Britain
<u>COMPONENTS</u>	
Cartridge Case:	Zinc alloy
Projectile mass:	0.5 grams (7.5 grains)
Projectile material:	Plastic (open) cruciform dome with aluminium base cup which holds the marking compound.
Marking compound:	Non-toxic, inert, wax based compound, 5 standard colours. (Projectiles do NOT have to burst to mark and to mark glancing "hits")
Primer:	Rear: Large Pistol. Front: Small Pistol
Propellant:	Provided by front primer
Average muzzle velocity at 21°C (70°F)	108m/sec (350f/s) (Velocity is NOT dependent on weapon type)
Accuracy at 21°C (70° F)	5cm (2ins) at 7.6m (25ft) extreme spread *

Muzzle energy	2.0-3.5 joules (1.4 – 2.6ft/lbs)
Maximum Range:	250m (820ft or 273yds) at 31° elevation
Maximum effective range for training	Approximately 50m (approximately 165ft or approximately 55yds)
Shelf life:	Minimum three years with proper storage (Temperature range of marking compound > -10°C <40°C)
Recommended storage:	Cool and dry environment
Washing instructions:	Wash clothes normally with detergent after use

WARNING: WHENEVER HANDLING UTM MAN-MARKING CONVERTED FIREARMS, EYE (GOGGLES), FACE AND THROAT PROTECTION IS MANDATORY. UTM ADDITIONALLY STRONGLY RECOMMENDS HAND PROTECTION (GLOVES) AND THAT TWO LAYERS OF LOOSE FITTING CLOTHING BE WORN DURING TRAINING EXERCISES. ONE LAYER OF CLOTHING (I.E. MILITARY BDU) IS MANDATORY. SHOTS TO BARE SKIN ARE TO BE PROHIBITED.

Note: To minimize risk, UTM Man-Marker munitions are powered by primers only. There is no additional amount of propellant added.

* UTM 9mm MMRs provide the accuracy of duty ammunition at close ranges with point of aim equalling point of impact.

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European Patent number: 1228342 additional patents pending.
 US Patent numbers: 6253682, 6371028, 6427600, 6095051, 6378439, 6422149, 6415718, 6564719

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RECOMMENDED GUIDELINES FOR USE

Thank you for choosing UTM the world's safest and most accurate training munitions. Because FIREARMS SAFETY IS THE MOST IMPORTANT ELEMENT OF ALL WEAPONS TRAINING we have included the guidelines below for use of this product.

Training exercises utilizing UTM's Man-Marking, non-lethal training ammunition (NLTA), are conducted most safely when scripted and approved by the appropriate agency supervisor. Training scenarios should be designed to accomplish a specific training objective(s) closely adhered to.

Due to the dynamic nature of force on force training utilizing UTM's Man-Marking ammunition, all participants must ensure that safety rules and procedures are strictly enforced. Individual officers/participants should be required to "buddy-up" to verify each other's proper use of UTM's Man-Marking training ammunition and accessories. Safety is everyone's responsibility. **"Check Twice"** ✓✓

UTM's Man-Marking situational training exercises offer the participants and evaluating instructors the most safe and realistic training experience possible. The use of UTM's Man-Markers for specific task-scenario evaluation is not recommended for unsupervised use in the early stages of student training. This ammunition is best utilized when participants have a thorough knowledge of safety, safe and efficient weapons handling, the fundamentals of marksmanship, personal tactics and the agencies Use of Force Model, UTM's Man-Markers prepares students teams and units for the ultimate encounter.

UTM's Man-Marking cartridges are designed for professionals. UTM's products are intended only for use in supervised law enforcement and military training conducted in accordance with UTM's guidelines for use and safety recommendations.

SAFETY RESPONSIBILITIES OF ALL PARTICIPANTS

Training Supervisor: It is the responsibility of the on site Training Supervisor (TS) to ensure that the rules and procedures are strictly enforced for the safety of all personnel involved in the UTM Man-Marker "Non-Lethal Training Ammunition" (NLTA) exercises. TS's are responsible for overall site security, notifications and general supervision.

Primary Safety Controller: Prior to the start of training the Firearms Instructor acting as the Primary Safety Controller (PSC) is responsible for the safety briefing and verifying that all UTM dedicated weapons and UTM ammunition are "Non-Lethal" training-specific. The PSC ensures that the protective equipment is worn properly prior to the start of training exercise/s. The PSC's initial responsibility is to inspect the training area and require all participants on site to double check ✓✓, and confirm there are no "live" duty weapons, "live" back-up weapons, "live" ammunitions, edged weapons, live chemical spray or duty impact weapons in the training area. Once completed, the PSC enforces the **"Buddy Check"** ✓✓

Role Players/Aggressors: It is the responsibility of every Role Player and Aggressor involved in the training scenarios to be familiar with the weapon system being used, wear protective safety equipment, safety clothing and adhere to all safety requirements.

Participants: **Everyone** is a safety officer and **everyone** can stop the scenario at any time if they perceive any unsafe situation. Individual participants shall be responsible for ensuring their duty firearms are properly cleaned and the UTM adapter kit is removed. Each participant shall be responsible for **"Checking Twice"** ✓✓ that their firearms are ready for a working tour of duty following a UTM training exercise(s).

1. Never use UTM training ammunition without first installing the UTM adapter kit properly in the firearm. An effort to use UTM Man-Marker ammunition without installing the UTM adapter kit may cause damage to the firearm.
2. Whenever handling UTM Man-Marking firearms, eye (goggles), face and throat protection is mandatory.
3. Treat all UTM Man-Marking (NLTA) firearms with the same degree of seriousness and responsibility afforded a "live" weapon.
4. Only the Primary Safety Controller (PSC) or an approved designee is to be responsible for installing the UTM adapter kits in **all** firearms to be used in training.
5. Once the PSC has verified proper installation of the UTM Man-Marker adapter kits in **all** of the firearms, the PSC can mark the firearms and or magazines with additional agency indicators as being UTM Man-Marking modified. Any firearm, which has not been inspected by the PSC, must be removed from the training area before training begins.
6. A designated checkpoint must be established on the perimeter of the training area. The checkpoint is to prevent unauthorized access and restricts prohibited items from entering the training area.
7. Before loading, everyone should **"Check Twice"** ✓✓ to ensure there is no "live" duty ammunition available when training with the UTM system. **All** participants should be required to perform a self-inspection of gear; magazines, magazine pouches and pockets for prohibited items. **Check Twice** ✓✓
8. Carefully load UTM Man-Marking cartridges into the magazine. Verify the cruciform plastic dome (tip) is present on the aluminium base cup (sabot).
9. **Only** the PSC shall be responsible for removing the UTM adapter kit and any additional agency indicators. After removing the UTM adapter kit and indicators the unloaded firearm must be removed **immediately** from the training area. If a firearm role player aggressor and or participant have been allowed to leave the training for any reason or any time period, neither shall be allowed back into the training area without the above procedures being completed again by the PSC.
10. UTM 9mm Man-Marking ammunition is safe when fired point blank. This is not recommended as a good training practice but might happen and is therefore accommodated. For safety, UTM recommends a minimum 1m (approx 3ft) safety stand-off distance when firing UTM's 9mm Man-Marking cartridges at personnel. **POINT BLANK SHOTS SHOULD BE PROHIBITED.**
11. **SHOTS TO BARE SKIN SHOULD BE PROHIBITED.** UTM recommends two layers of loose fitting clothing be worn during training exercises. One layer of clothing i.e. military BDUs, is mandatory.
12. UTM's 9mm Man-Marking cartridge may reach velocities in excess of 123m/s (400f/s). Proper wearing of safety equipment and protective clothing is vital in preventing the breaking of the skin or long term bruising. Protected "hits" can cause participants to experience minor stinging, welts or bruises. All equipment should fit properly and permit the participant to accomplish the required movements and tasks.
13. Should your protective equipment become dislodged during the training exercise, immediately protect the exposed area and shout, **"Actual Stop"**.
14. Upon hearing **"Actual Stop"**, immediately stop/freeze all activity.
15. Immediately report all injuries to the Primary Safety Controller.
16. Any time an injury occurs during a training exercise and there is any question of the severity of the injury, medical professionals must be notified to assess and treat the injury.
17. Clean and sanitize the equipment as required.

**THINK, TEACH, PRACTICE
PREACH, DESIGN,
DEMAND SAFETY** ✓✓