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TECHNICAL DATA & USAGE SHEET

MAN MARKER ROUND (MMR)

7.62x51mm Linked

Identifiers

Designation: 7.62x51mm Linked Man Marker Round (MMR)

Origin: United Kingdom/United States

PN: 01-3075 (Red), 01-3076 (Blue), 01-3077 (Green), 01-3078 (Yellow)

DODIC: None

NSN (National): None

NSN (NATO): None



Cartridge Components

Cartridge Case: Aluminum and Plastic

Link: M13 Link

Cartridge Assembly: 12g/0.42oz

Cartridge Overall Length: 61.9mm/2.43in

Front Primer: Boxer Primer

Rear Primer: 6.3/Power Load

Operational Temperature Range: -32°C to 49°C (-25°F to 125°F)

Projectile: See "Projectile Components" (Projectile is powered by primer only)

Projectile Components

Projectile Mass: 0.52g/8gr

Projectile Assembly: A Plastic Base Cup which holds an Inertia Applicator Ball and Marking Compound covered with a Plastic (open) Cruciform Dome.

Marking Compound: Non-toxic, inert, wax based compound, five standard colors (Yellow, Blue, Red, Green, White)

Temperature Range of Marking Compound: -5°C to 40°C (23°F to 105°F)

Ballistics

Average Muzzle Energy: Avg 3.4 Joules/2.5ft/lbs

Average Muzzle Velocity: Avg 114m/sec (375fps)

Accuracy: 50mm (1.97in) at 25m/27yds (mean radius)

Maximum Effective Range for Training: Approximately 50m/55yds

Optimum Effective Range for Training: Approx. 30m/32yds & closer

Standoff Distance: 1m/3ft - No Contact Shots

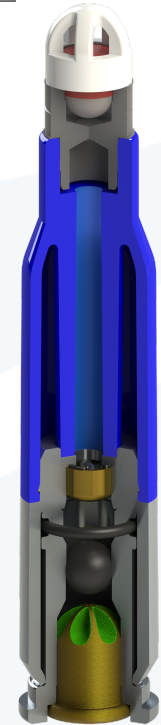
Storage

Shelf Life: Minimum three years in original packaging (Following recommended storage conditions)

Recommended Storage: Dry environment, max storage temperature 40°C / 104°F

Warranty

1 Year in original packaging (Following recommended storage conditions)



European Patent number: 1228342 additional patents pending. US patent numbers: 6253682, 6371028, 6427600, 6095051, 6378439, 6422149, 6415718, 6564719 UTM, Ultimate Training Munitions, and the "Breach" logo design are trademarks belonging to UTM Ltd.



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Purpose

- Accurate and reliable marking projectile for Short Range Marksmanship, Practice Qualifications and alternate 10 meter qual tables as well as Force on Force training.
- Use for SOP Development, refining Tactics, Techniques and Protocols, Skill Building, Scenarios and other collective level training.
- Use to enhance and support live fire through realistic target feedback and shot accountability through the crawl, walk run process..
- Accuracy and reliability allows for dismounted crew drills, mounted gunnery techniques, mounted reaction to contact.

Usage Guidelines

- Whenever handling UTM RBT MMR Converted Weapons during FOF training, UTM RBT recommended and approved goggles, face mask, helmet and protective gloves are mandatory - no exposed skin.
- UTM RBT MMR converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- The UTM RBT linked Man-Marker Round is machine gun weapon specific and is not to be de-linked and used in any other type of weapon. Using the UTM RBT linked round in any other type of weapon could cause damage to the weapon.
- UTM RBT strongly recommends that at least two layers of loose fitting clothing or UTM RBT PPE clothing be worn during "Force-on-Force" Training exercises using UTM RBT MMR. One layer of clothing (i.e. Military BDU/ACU) is mandatory.
- Contact shots and shots to bare skin are prohibited. Maintain a 1m/3ft safe separation distance during training engagements
- Appropriate hearing and eye protection (safety glasses or goggles) is mandatory.
- Intended only for supervised training conducted in accordance with UTM RBT safety training protocols by military, law enforcement or professional training and security organizations.
- Keep all ammunition out of the reach of children.
- UTM RBT assumes no responsibility for injuries, loss or damage resulting from misuse of this or any of its products.

WARNINGS

When converting back to 'Duty' use, ensure that the chamber and bore have been cleaned, cleared of all debris, objects or projectiles and inspected before firing a live round. Failure to ensure that the barrel of the host weapon is free from obstruction could result in damage to the barrel and/or injury to the operator.

Characteristics

- Normal weapon function and recoil
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark. Wash clothes and UTM RBT PPE with domestic washing detergent.
- Realistic and consistent cyclic rates in semi-automatic and automatic weapons, which match "Live" fire
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - U.S. EPA compliant landfill safe and low emissions.

Type

- Linked Man Marker Round – 7.62x51mm is only available in the aluminum/plastic cartridge.
- The projectile is only available with a plastic base cup.

