



Identifiers

Designation: 4.6mm MMR
Origin: United Kingdom/United States
P/N: 01-0910 (Red), 01-0911 (Blue), 01-0912 (Green), 01-0913 (Yellow)
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
361mm (14.21in) x 128mm (5.04in) x 274mm (10.79in) (L x H x D)
Gross Weight 4.88kg (10.8lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium
Cartridge Assembly: 3g
Cartridge Overall Length: 39mm / 1.54 in
Front Primer: Boxer Primer
Rear Primer: Boxer Primer
Projectile: See "Projectile Components" (Projectile is powered by primer only).

Projectile Components

Projectile Mass: 0.45g / 6.9gr
Projectile Assembly: An Aluminium 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, four standard colours (Red, Blue, Green, Yellow).
Temperature Range of Marking Compound: -5°C to 40°C
(-23°F to 104°F)

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs
Average Muzzle Velocity: Avg 102m/sec (335fps)
Accuracy: 25mm (1.00in) at 10m/11yds (mean radius)
Maximum Effective Range for Training: Approximately 25m / 27yds
Optimum Effective Range for Training: Approx. 20m / 22yds & closer.
Standoff Distance: 0.5m / 18in - No Contact Shots.
Surface Danger Zone (SDZ): 121m / 132yds minimum safe distance.

Operational Data

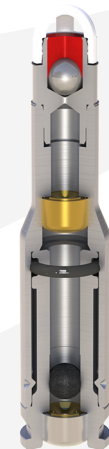
Noise Levels: Peak 128dB (Indoors)
Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
Compatible Weapon Types: H&K MP7.

Storage

Shelf Life: Minimum six years in original packaging
(Following recommended storage conditions).
Recommended Storage: Dry environment, max storage
temperature 40°C / 104°F

Warranty

18 months in original packaging (Following recommended storage conditions).





TECHNICAL DATA & USAGE SHEET

4.6mm MMR

Purpose

- Accurate and reliable marking projectile for Force-on-Force or Force-on-Target training.
- Adds realism and stress to training by providing a threat of consequence with physical and visual stimulus.
- Use of Force/ROE, Tactics, Skill Building, Scenarios, Movement Drills and other Interactive Training.
- Use as a safe prelude or alternative to 'Live-Fire' target or CQB training.
- Accuracy and reliability allows for multiple firearms, CQB, and marksmanship applications (360° firing, movement drills, weapon transitions)

Contact

For more information on product alternatives and usage please contact UTM at:

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 +1.877.886.7233
 +1.908.725.9000

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 PPE with domestic washing detergent.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with low emission.



Usage Guidelines

- Whenever handling UTM MMR Converted Weapons during FOF training, UTM recommended and approved goggles, face mask, helmet and protective gloves are mandatory - no exposed skin.
- UTM MMR converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- UTM strongly recommends that at least two layers of loose fitting clothing or UTM PPE clothing be worn during "Force-on-Force" Training exercises using UTM MMR. One layer of clothing (i.e. Military BDU/ACU) is mandatory.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18in 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 safety training protocols by military, law enforcement or professional training and security organizations.
- Keep all ammunition out of reach of children.
- UTM 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.