



# TECHNICAL DATA & USAGE SHEET

## 5.56mm FNC/SIG 551 MMR



### Identifiers

Designation: 5.56mm FNC/SIG 551 MMR

Origin: United Kingdom/United States

P/N: 01-0753 (Red), 01-0754 (Blue), 01-0755 (Green), 01-0756 (Yellow)

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 30 Boxes of 30 rounds.  
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)  
Gross Weight 9.5kg (20.9lb), NEQ 0.05kg (0.11lb)

### Cartridge Components

Cartridge Case: Aluminium/Steel

Cartridge Assembly: 10g

Cartridge Overall Length: 53mm / 2.09 in

Front Primer: Boxer Primer

Rear Primer: .22 Blank / Power Load

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

### Projectile Components

Projectile Mass: 0.45g / 6.9gr

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, four standard colours (Red, Blue, Green, Yellow).

Temperature Range of Marking Compound: -10°C to 42°C  
(14°F to 108°F)

### Ballistics

Average Muzzle Energy: Avg 2.9 Joules / 2.2ft/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: 0.75m / 30in - No Contact Shots.

Surface Danger Zone (SDZ): 129m / 141yds minimum safe distance.

### Operational Data

Noise Levels: Peak 123dB (Indoors)

Operational Temperature Range: -10°C to 42°C (14°F to 108°F)

Compatible Weapon Types: 5.56mm/.223 Sprung Ejection SLR's.

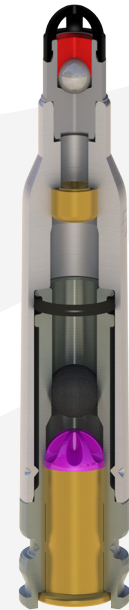
### Storage

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).



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



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### 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)

### Available Alternatives (5.56mm MMR)

- Sprung Ejector Weapon Ammunition
- Linked (LMG) Ammunition.

### 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.

For more information on product alternatives and usage please contact UTM at:	sales@utmworldwide.com +44 (0) 1638.711.003 +1.877.886.7233 +1.908.725.9000
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### 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 0.75m/30in 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.

