



TECHNICAL DATA & USAGE SHEET

5.56mm TBR



Identifiers

Designation: 5.56mm TBR
 Origin: United Kingdom/United States
 P/N: 01-3125
 NSN (NATO): TBC
 Gross Package: Cardboard Carton containing 30 Boxes of 30 rounds (in boxes).
 303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
 Gross Weight 6.5kg (14.3lb), NEQ 0.06kg (0.13lb)

Cartridge Components

Cartridge Case: Aluminium
 Cartridge Assembly: 6g
 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: 0.43g / 6.6gr
 Projectile Assembly: A Aluminium Base Cap covered with a Red Plastic Dome.

Ballistics

Average Muzzle Energy: Avg 14.4 Joules / 10.6ft/lbs
 Average Muzzle Velocity: Avg 259m/sec (850fps)
 Accuracy: 25mm (0.98in) at 25m/27yds (mean radius)
 Maximum Effective Range for Training: Approximately 75m / 82yds
 Optimum Effective Range for Training: Approx. 50m / 55yds & closer.
 Surface Danger Zone (SDZ): 324m / 354yds minimum safe distance.

Operational Data

Noise Levels: Peak 134dB (Indoors).
 Operational Temperature Range: -32°C to 49°C (-26°F to 120°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

- This round is NOT for Force-on-Force use. This is a target round ONLY.
- Intended for use as a training round in shorter range situations such as shoot houses, 25-meter ranges or in MOUNT/FIBUA ranges during CQB type training.
- Specifically designed so that its impact energy is only 15 Joules (11.1 ft lbs) on average.

Available Alternatives (5.56mm TBR)

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

Usage Guidelines

- This round is NOT for Force-on-Force use. This is a target round ONLY.
- UTM TBR converted weapons must be fired “clean and dry” in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Appropriate 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 the reach of children.
- UTM assumes no responsibility for injuries, loss or damage resulting from misuse of this or any of its products.
- Before using any UTM product, the end user must consult, and comply with, as applicable, all laws, rules, regulations, local ordinances, health and safety regulations, and safety practices recognized as standard in the firearms industry and for related training. The end user of any UTM product is solely responsible for any and all compliance in this regard.

Characteristics

- Normal weapon function and recoil.
- Limited Penetrations – Singular shots will not penetrate ¾” plywood, reducing damage to training facilities, target traps, etc.
- Reliable and accurate short range Lethal CQB Target Training.
- Safety - the 5.56mm TBR cartridge has a recessed rim fire power load and will only function in a UTM TBR conversion.
- An accurate and reliable alternative to “Live” ammunition (SRTA, CQT, Frangible, Ball) for CQB Target Based Training.
- Realistic and consistent cyclic rates in semi-automatic and automatic weapons, which match “Live” fire.
- Surpasses “Live Fire” reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Contact

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

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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.

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