



Table of Contents

.38 Special

TDS_01-0787-88 38 Special MMR..... 2

9mm

TDS_01-3089 9mm SBR..... 4

TDS_01-3090 9mm BBR 6

TDS_01-0976-79 9mm MMR 8

TDS_01-0981-84 9mm SMG MMR..... 10

TDS_01-3100 9mm NMR..... 12

UTX

TDS_01-3101-04 9mm UTX..... 14

5.56mm

TDS_01-0856 5_56mm SBR..... 16

TDS_01-0963 5_56mm BBR 18

TDS_01-3268 5_56mm LBBR..... 20

TDS_01-0971-74 5_56mm MMR..... 22

TDS_01-0815-18 5_56mm RVR..... 24

TDS_01-3125 5_56mm TBR..... 26

TDS_01-3097 5_56mm NMR..... 28

TDS_01-0753-56 5_56mm FNC_SIG 551 MMR... 30

TDS_01-3056 5_56mm FNC_SIG 551 TBR..... 32

TDS_01-0770 5_56mm Linked SBR..... 34

TDS_01-3270 5_56mm Linked LBBR..... 36

TDS_01-3260-63 5_56mm Linked MMR 38

TDS_01-3047 5_56mm Linked TBR..... 40

5.7mm

TDS_01-0727-30 5_7mm MMR..... 42

TDS_01-3273 5_7mm NMR 44

4.6mm

TDS_01-0910-13 4_6mm MMR..... 46

TDS_01-3296 4_6mm NMR 48

7.62x39mm

TDS_01-3096 7_62x39mm SBR..... 50

TDS_01-3093 7_62x39mm BBR..... 52

TDS_01-3067-70 7_62x39mm MMR..... 54

7.62x51mm

TDS_01-3095 7_62x51mm SBR..... 56

TDS_01-3271 7_62x51mm BBR..... 58

TDS_01-3063-66 7_62x51mm MMR..... 60

TDS_01-3272 7_62x51mm Linked BBR 62

TDS_01-3075-78 7_62x51mm Linked MMR 64

Military/Type Classified Rounds

TDS_13008767 5_56mm MMR..... 66

TDS_13008770 5_56mm Link MMR..... 68

Identifiers

Designation: .38 Special MMR

Origin: United Kingdom/United States

P/N: 01-0787 (Red), 01-0788 (Blue)

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 4.3kg (9.48lb), NEQ 0.01kg (0.02lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 3g

Cartridge Overall Length: 39mm / 1.54 in

Front Primer: N/A

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, available in two standard colours (Red & Blue).

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs

Average Muzzle Velocity: Avg 102m/sec (335fps)

Accuracy: 50mm (1.97in) at 10m/11yds (mean radius)

Maximum Effective Range for Training: Approximately 20m / 22yds

Optimum Effective Range for Training: Approx. 10m / 11yds & closer.

Standoff Distance: 0.5m / 18in - No Contact Shots.

Surface Danger Zone (SDZ): 121m / 132yds minimum safe distance.

Operational Data

Noise Levels: Peak 132dB (Indoors)

Operational Temperature Range: -5°C to 40°C (-23°F to 104°F)

Compatible Weapon Types: .38 Special.

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

.38 SPECIAL 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:

sales@utmworldwide.com
+44 (0) 1638.711.003
+1.877.886.7233
+1.908.725.9000

Characteristics

- Normal weapon function.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Minimal environmental impact - low emission and available in non-toxic option only.



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 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.
- 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.

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.



TECHNICAL DATA & USAGE SHEET

9mm SBR



Identifiers

Designation: 9mm SBR
 Origin: United Kingdom/United States
 P/N: 01-3089
 NSN (NATO): TBC
 Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
 303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
 Gross Weight 5.8kg (12.8lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic
 Cartridge Assembly: 5g
 Cartridge Overall Length: 28mm / 1.10 in
 Front Primer: None
 Rear Primer: Boxer Primer
 Projectile: None

Ballistics

Average Muzzle Energy: Not Applicable.
 Average Muzzle Velocity: Not Applicable.
 Accuracy: Not Applicable.
 Maximum Effective Range for Training: Not Applicable.
 Optimum Effective Range for Training: Not Applicable.
 Standoff Distance: None - The SBR is safe for contact shots.

Operational Data

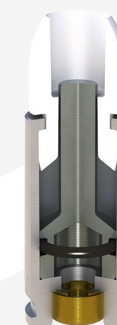
Noise Levels: Not Applicable.
 Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
 BFA: None Required (UTM Conversion required).
 Compatible Weapon Types: 9mm SMG. Pistols - Calibre dependant on Conversion Kit.

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.



TECHNICAL DATA & USAGE SHEET

9mm SBR

Purpose

- Provides a Dry Fire round that cycles the weapon with no noise & low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Adds realism to defensive tactics i.e., gun retention training, contact shots, weapon take-aways, etc.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Allows blending of firearms, combatives/Defensive Tactics and CQB training in a safe environment.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- No separation distance
- Realistic and consistent cyclic rates in semiautomatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with zero gas emissions.
- Non-toxic

Available Alternatives (9mm SBR)

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

sales@utmworldwide.com
+44 (0) 1638.711.003
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+1.908.725.9000

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- 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.
- 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.



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.



TECHNICAL DATA & USAGE SHEET

9mm BBR

Identifiers

Designation: 9mm BBR
 Origin: United Kingdom/United States
 P/N: 01-3090
 NSN (NATO): TBC
 Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
 303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
 Gross Weight 5.9kg (13.0lb), NEQ 0.04kg (0.09lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic
 Cartridge Assembly: 5g
 Cartridge Overall Length: 28mm / 1.10 in
 Front Primer: Boxer Primer
 Rear Primer: Boxer Primer
 Projectile: None.

Ballistics

Average Muzzle Energy: Not Applicable.
 Average Muzzle Velocity: Not Applicable.
 Accuracy: Not Applicable.
 Maximum Effective Range for Training: Any distance that can be heard.
 Optimum Effective Range for Training: Any distance that can be heard.
 Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: Peak 148dB (Indoors)
 Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
 BFA: None Required (UTM Conversion required).
 Compatible Weapon Types: Pistols. Calibre dependant on Conversion Kit.

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.



TECHNICAL DATA & USAGE SHEET

9mm BBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match “Live” fire.
- Surpasses “Live Fire” reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (9mm BBR)

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

- UTM converted weapons must be fired “clean and dry” in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
- 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.



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.



Identifiers

Designation: 9mm MMR, Pistols Only

Origin: United Kingdom/United States

P/N: 01-0976 (Red), 01-0977 (Blue), 01-0978 (Green), 01-0979 (Yellow)

NSN (NATO): 1305-99-514-4577 (Red), 1305-99-975-2499 (Blue), 1305-99-553-5849 (Green), 1305-99-553-5851 (Yellow)

Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).

303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)

Gross Weight 5.4kg (11.9lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium

Cartridge Assembly: 4g

Cartridge Overall Length: 30mm / 1.18 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: 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, available in four standard colours (Red, Blue, Green, Yellow).

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs

Average Muzzle Velocity: Avg 102m/sec (335fps)

Accuracy: 50mm (1.97in) at 10m/11yds (mean radius)

Maximum Effective Range for Training: Approximately 20m / 22yds

Optimum Effective Range for Training: Approx. 10m / 11yds & closer.

Standoff Distance: 0.25m / 10in - No Contact Shots.

Surface Danger Zone (SDZ): 121m / 132yds minimum safe distance.

Operational Data

Noise Levels: Peak 129dB (Indoors)

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

Compatible Weapon Types: Pistols. Calibre dependant on Conversion Kit.

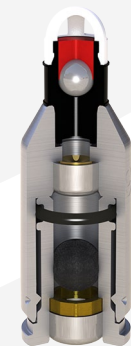
Storage

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

9mm 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)

Available Alternatives (9mm MMR)

- SMG Ammunition
- Non-Marking Projectiles.

Characteristics

- White Dome - indicates ammunition is intended for use in Pistols only. (SMG ammunition has a Black Dome)
- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

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

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+1.877.886.7233
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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 0.25m/10in safe separation distance during training engagements.
- 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 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.

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.



Identifiers

Designation: 9mm SMG MMR, SMG Weapons Only
Origin: United Kingdom/United States
P/N: 01-0981 (Red), 01-0982 (Blue), 01-0983 (Green), 01-0984 (Yellow)
NSN (NATO): 1305-99-750-6836 (Red), 1305-99-403-6105 (Blue), TBC (Green & Yellow)
Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 5.4kg (11.9lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium
Cartridge Assembly: 4g
Cartridge Overall Length: 30mm / 1.18 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: 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, available in four standard colours (Red, Blue, Green, Yellow).

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs
Average Muzzle Velocity: Avg 102m/sec (335fps)
Accuracy: 50mm (1.97in) at 10m/11yds (mean radius)
Maximum Effective Range for Training: Approximately 20m / 22yds
Optimum Effective Range for Training: Approx. 10m / 11yds & closer.
Standoff Distance: 0.25m / 10in - No Contact Shots.
Surface Danger Zone (SDZ): 121m / 132yds minimum safe distance.

Operational Data

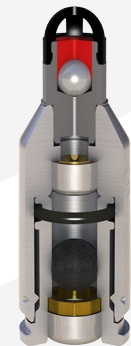
Noise Levels: Peak 129dB (Indoors)
Operational Temperature Range: -10°C to 42°C (14°F to 108°F)
Compatible Weapon Types: 9mm SMG.

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

9mm SMG 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)

Available Alternatives (9mm MMR)

- Pistol Ammunition
- Non-Marking Projectiles.

Characteristics

- Black Dome - indicates ammunition is intended for use in 9mm SMG weapons only. (Pistol ammunition has a White Dome)
- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

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 0.25m/10in safe separation distance during training engagements.
- 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 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.

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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TECHNICAL DATA & USAGE SHEET

9mm NMR

Identifiers

Designation: 9mm NMR

Origin: United Kingdom/United States

P/N: 01-3100

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 5.3kg (11.7lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium

Cartridge Assembly: 4g

Cartridge Overall Length: 30mm / 1.18 in

Front Primer: Boxer Primer

Rear Primer: Boxer Primer

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

Projectile Components

Projectile Mass: 0.43g / 6.6gr

Projectile Assembly: An Aluminium Base Cup covered with a White Plastic Dome.

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs

Average Muzzle Velocity: Avg 102m/sec (335fps)

Accuracy: 50mm (1.97in) at 10m/11yds (mean radius)

Maximum Effective Range for Training: Approximately 20m / 22yds

Optimum Effective Range for Training: Approx. 10m / 11yds & closer.

Standoff Distance: 0.25m / 10in - No Contact Shots.

Surface Danger Zone (SDZ): 164m / 179yds minimum safe distance.

Operational Data

Noise Levels: Peak 129dB (Indoors)

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

Compatible Weapon Types: 9mm SMG. Pistols - Calibre dependant on Conversion Kit.

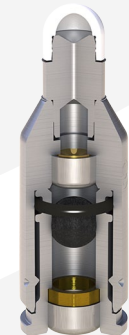
Storage

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.



TECHNICAL DATA & USAGE SHEET

9mm NMR

Purpose

- Accurate and reliable non-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 (9mm NMR)

- Marking Projectiles.

Characteristics

- Normal weapon function and recoil.
- Non-Marking projectiles.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Usage Guidelines

- Whenever handling UTM 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 NMR. One layer of clothing (i.e. Military BDU/ACU) is mandatory.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.25m/10in safe separation distance during training engagements.
- 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 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.

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.

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

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TECHNICAL DATA & USAGE SHEET

9mm UTX



Identifiers

Designation: 9mm UTX
 Origin: United Kingdom/United States
 P/N: 01-3101 (Red), 01-3102 (Blue), 01-3103 (Green), 01-3104 (Yellow)
 NSN (NATO): TBC
 Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
 303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
 Gross Weight 5.1kg (11.2lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium
 Cartridge Assembly: 4g
 Cartridge Overall Length: 28mm / 1.10 in
 Front Primer: Boxer Primer
 Rear Primer: Boxer Primer
 Projectile: See "Projectile Components" (Projectile is powered by primer only).

Projectile Components

Projectile Mass: 0.52g / 8.0gr
 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, available in four standard colours (Red, Blue, Green, Yellow).

Ballistics

Average Muzzle Energy: Avg 3.3 Joules / 2.4ft/lbs
 Average Muzzle Velocity: Avg 113m/sec (370fps)
 Accuracy: 75mm (3.0in) at 7.5m/8.2yds (mean radius)
 Maximum Effective Range for Training: Approximately 25m / 27yds
 Optimum Effective Range for Training: Approx. 7.5m / 8.2yds & closer.
 Standoff Distance: 0.25m / 10in - No Contact Shots.

Operational Data

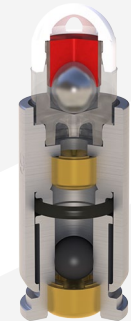
Noise Levels: Peak 121dB (Indoors)
 Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

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.



TECHNICAL DATA & USAGE SHEET

9mm UTX

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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Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic options only.

Usage Guidelines

- Whenever handling Converted Weapons during FOF training, UTM recommended and approved goggles, face mask, helmet and protective gloves are mandatory - no exposed skin.
- 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 ammunition. One layer of clothing (i.e. Military BDU/ACU) is mandatory.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.25m/10in safe separation distance during training engagements.
- Appropriate eye protection (safety glasses or goggles) is mandatory.
- Intended only for supervised training conducted in accordance with safety training protocols by military 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.
- 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.

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.





TECHNICAL DATA & USAGE SHEET

5.56mm SBR

Identifiers

Designation: 5.56mm SBR
 Origin: United Kingdom/United States
 P/N: 01-0856
 NSN (NATO): 1305-99-151-4134
 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 6.6kg (14.6lb), NEQ 0.04kg (0.09lb)

Cartridge Components

Cartridge Case: Aluminium
 Cartridge Assembly: 7g
 Cartridge Overall Length: 53mm / 2.09 in
 Front Primer: None.
 Rear Primer: .22 Blank / Power Load
 Projectile: None.

Ballistics

Average Muzzle Energy: Not Applicable.
 Average Muzzle Velocity: Not Applicable.
 Accuracy: Not Applicable.
 Maximum Effective Range for Training: Not Applicable.
 Optimum Effective Range for Training: Not Applicable.
 Standoff Distance: None - The SBR is safe for contact shots.

Operational Data

Noise Levels: Not Applicable.
 Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
 BFA: None Required (UTM Conversion required).
 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.



TECHNICAL DATA & USAGE SHEET

5.56mm SBR

Purpose

- Provide a Dry Fire round that cycles the weapons with no emissions or noise.
- Teach fundamentals of weapon handling and marksmanship in any environment to include classroom.
- Adds realism to defensive tactics i.e., gun retention training, contact shots, weapon take-aways, etc.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Allows blending of firearms, combatives/Defensive Tactics and CQB training in a safe environment.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Available Alternatives (5.56mm SBR)

- Linked (LMG) Ammunition.

Characteristics

- Normal weapon function and recoil
- No Heat or Flame!
- NO BFA required (UTM weapon conversion required)
- No separation distance
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with zero gas emissions.
- Non-toxic



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usage please contact UTM
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Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- 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.
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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.



TECHNICAL DATA & USAGE SHEET

5.56mm BBR

Identifiers

Designation: 5.56mm BBR
 Origin: United Kingdom/United States
 P/N: 01-0963
 NSN (NATO): TBC
 Gross Package: Cardboard Carton containing 20 Boxes of 50 rounds (in trays).
 303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
 Gross Weight 6.4kg (14.1lb), NEQ 0.05kg (0.11lb)

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: None.

Ballistics

Average Muzzle Energy: Not Applicable.
 Average Muzzle Velocity: Not Applicable.
 Accuracy: Not Applicable.
 Maximum Effective Range for Training: Any distance that can be heard.
 Optimum Effective Range for Training: Any distance that can be heard.
 Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: Peak 144dB (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 "Breach" logo design are trademarks belonging to UTM Ltd.



TECHNICAL DATA & USAGE SHEET

5.56mm BBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- No BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm BBR)

- "Loud" Noise levels.
- Fixed Ejector Weapon Ammunition.
- Linked (LMG) Ammunition.

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

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+1.908.725.9000

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
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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.

Identifiers

Designation: 5.56mm LBBR
Origin: United Kingdom/United States
P/N: 01-3268
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 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: None.

Ballistics

Average Muzzle Energy: Not Applicable.
Average Muzzle Velocity: Not Applicable.
Accuracy: Not Applicable.
Maximum Effective Range for Training: Any distance that can be heard.
Optimum Effective Range for Training: Any distance that can be heard.
Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: To be determined.
Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
BFA: None Required (UTM conversion required).
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).



TECHNICAL DATA & USAGE SHEET

5.56mm LBBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- NO BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm LBBR)

- Standard Noise Levels.
- Fixed Ejector Weapon Ammunition
- Linked (LMG) Ammunition.

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

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+1.908.725.9000

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
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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.

Identifiers

Designation: 5.56mm MMR
Origin: United Kingdom/United States
P/N: 01-0971 (Red), 01-0972 (Blue), 01-0973 (Green), 01-0974 (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 6.4kg (14.1lb), NEQ 0.05kg (0.11lb)

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: 0.45g / 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, available in four standard colours (Red, Blue, Green, Yellow).

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

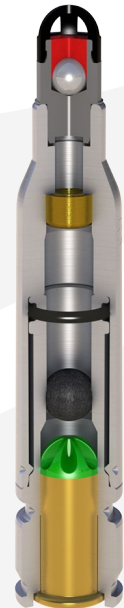
Noise Levels: Peak 123dB (Indoors)
Operational Temperature Range: -10°C to 42°C (14°F to 108°F)
Compatible Weapon Types: 5.56mm/.223 Sprung Ejection SLR's.

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).



TECHNICAL DATA & USAGE SHEET

5.56mm 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm MMR)

- Reduced Velocity Projectile.
- Fixed Ejector Weapon Ammunition
- Non-Marking Projectiles.
- Linked (LMG) Ammunition.

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

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+1.908.725.9000

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 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.
- 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.

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.



Identifiers

Designation: 5.56mm RVR
Origin: United Kingdom/United States
P/N: 01-0815 (Red), 01-0816 (Blue), 01-0817 (Green), 01-0818 (Yellow)
NSN (NATO): 1305-99-216-4557 (Red), TBC - Others
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 6.4kg (14.1lb), NEQ 0.05kg (0.11lb)

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: 0.45g / 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, available in four standard colours (Red, Blue, Green, Yellow).

Ballistics

Average Muzzle Energy: Avg 1.9 Joules / 1.4ft/lbs
Average Muzzle Velocity: Avg 91m/sec (300fps)
Accuracy: 50mm (1.97in) at 15m/16yds (mean radius)
Maximum Effective Range for Training: Approximately 25m / 27yds
Optimum Effective Range for Training: Approx. 15m / 16yds & closer.
Standoff Distance: 0.25m / 10in - No Contact Shots.
Surface Danger Zone (SDZ): 114m / 125yds minimum safe distance.

Operational Data

Noise Levels: Peak 126dB (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).



TECHNICAL DATA & USAGE SHEET

5.56mm RVR

Purpose

- Accurate and reliable marking projectile for Force-on-Force or Force-on-Target training for short distances only.
- 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm RVR)

- Standard Velocity Projectile.
- Non-Marking Projectiles.

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

sales@utmworldwide.com
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+1.908.725.9000

Usage Guidelines

- Whenever handling UTM RVR Converted Weapons during FOF training, UTM recommended and approved goggles, face mask, helmet and protective gloves are mandatory - no exposed skin.
- UTM RVR 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 RVR. One layer of clothing (i.e. Military BDU/ACU) is mandatory.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.25m/10in safe separation distance during training engagements.
- Appropriate eye protection (safety glasses or goggles) is mandatory.
- Intended only for supervised training conducted in accordance with UTM safety training protocols by military 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.
- 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.

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.





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: An Aluminium Base Cup 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 "Breach" logo design are trademarks belonging to UTM Ltd.



TECHNICAL DATA & USAGE SHEET

5.56mm TBR

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.

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.

Available Alternatives (5.56mm TBR)

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

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

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.

WARNINGS

UTM Target Bullet Rounds are potentially lethal and should always be handled under the same guidelines as standard "live duty" ammunition.

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.



Identifiers

Designation: 5.56mm NMR

Origin: United Kingdom/United States

P/N: 01-3097

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 6.4kg (14.1lb), NEQ 0.05kg (0.11lb)

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: An Aluminium Base Cup covered with a White Plastic Dome.

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): To be determined.

Operational Data

Noise Levels: Peak 123dB (Indoors)

Operational Temperature Range: -5°C to 40°C (23°F to 104°F)

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

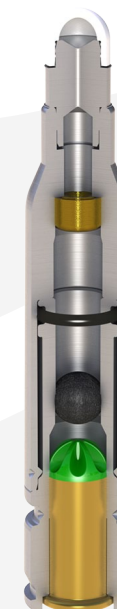
Storage

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).



TECHNICAL DATA & USAGE SHEET

5.56mm NMR

Purpose

- Accurate and reliable non-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)

Characteristics

- Normal weapon function and recoil.
- Non-Marking projectiles.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm NMR)

- Marking Projectiles.

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

Usage Guidelines

- Whenever handling UTM 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 NMR. 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 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.
- 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.

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.



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

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.

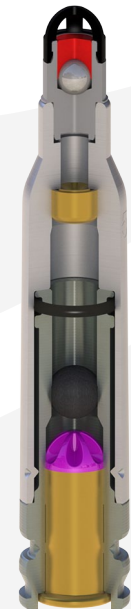
Storage

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).



TECHNICAL DATA & USAGE SHEET

5.56mm FNC/SIG 551 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm MMR)

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

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

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 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.
- 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.

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.





Identifiers

Designation: 5.56mm FNC/SIG 551 TBR

Origin: United Kingdom/United States

P/N: 01-3056

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 9.4kg (20.8lb), NEQ 0.07kg (0.15lb)

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).

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: To be determined.

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

Compatible Weapon Types: 5.56mm/.223 Fixed 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

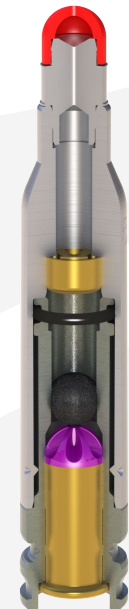
Warranty

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

Projectile Components

Projectile Mass: 0.43g / 6.6gr

Projectile Assembly: An Aluminium Base Cup covered with a Red Plastic Dome.



TECHNICAL DATA & USAGE SHEET

5.56mm FNC/SIG 551 TBR

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 14.4 Joules (10.6 ft lbs) on average.

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 with low emissions.

Available Alternatives (5.56mm TBR)

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

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

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.

WARNINGS

UTM Target Bullet Rounds are potentially lethal and should always be handled under the same guidelines as standard "live duty" ammunition. 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.



Identifiers

Designation: 5.56mm Linked SBR

Origin: United Kingdom/United States

P/N: 01-0770

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 12 Boxes of 100 rounds (Linked).
325mm (12.80in) x 184mm (7.24in) x 184mm (7.24in) (L x H x D)
Gross Weight 10.6kg (23.4lb), NEQ 0.06kg (0.13lb)

Cartridge Components

Cartridge Case: Aluminium

Cartridge Assembly: 8g

Cartridge Overall Length: 53mm / 2.09 in

Front Primer: None.

Rear Primer: .22 Blank / Power Load

Projectile: None.

Ballistics

Average Muzzle Energy: Not Applicable.

Average Muzzle Velocity: Not Applicable.

Accuracy: Not Applicable.

Maximum Effective Range for Training: Not Applicable.

Optimum Effective Range for Training: Not Applicable.

Standoff Distance: None - The SBR is safe for contact shots.

Operational Data

Noise Levels: Not Applicable.

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

BFA: None Required (UTM Conversion required).

Compatible Weapon Types: 5.56mm/.223 LMG.

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

5.56mm LINKED SBR

Purpose

- Provide a Dry Fire round that cycles the weapons with no emissions or noise.
- Teach fundamentals of weapon handling and marksmanship in any environment to include classroom.
- Adds realism to defensive tactics i.e., gun retention training, contact shots, weapon take-aways, etc.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Allows blending of firearms, combatives/Defensive Tactics and CQB training in a safe environment.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil
- No Heat or Flame!
- NO BFA required (UTM weapon conversion required)
- No separation distance
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with zero gas emissions.
- Non-toxic

Available Alternatives (5.56mm Linked SBR)

- Loose (SLR) Ammunition.

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

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- 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.
- 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.



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.

Identifiers

Designation: [5.56mm Linked LBBR](#)

Origin: [United Kingdom/United States](#)

P/N: [01-3270](#)

NSN (NATO): [TBC](#)

Gross Package: [Cardboard Carton containing 12 Boxes of 100 rounds \(Linked\).](#)
[325mm \(12.80in\) x 184mm \(7.24in\) x 184mm \(7.24in\) \(L x H x D\)](#)
[Gross Weight 10.4kg \(22.9lb\), NEQ 0.09kg \(0.20lb\)](#)

Cartridge Components

Cartridge Case: [Aluminium](#)

Link: [M27 Link](#)

Cartridge Assembly: [9g](#)

Cartridge Overall Length: [53mm / 2.09 in](#)

Front Primer: [Boxer Primer](#)

Rear Primer: [.22 Blank / Power Load](#)

Projectile: [None.](#)

Ballistics

Average Muzzle Energy: [Not Applicable.](#)

Average Muzzle Velocity: [Not Applicable.](#)

Accuracy: [Not Applicable.](#)

Maximum Effective Range for Training: [Any distance that can be heard.](#)

Optimum Effective Range for Training: [Any distance that can be heard.](#)

Standoff Distance: [0.5m / 18in](#)

Operational Data

Noise Levels: [Peak 151dB \(Indoors\).](#)

Operational Temperature Range: [-32°C to 49°C \(-26°F to 120°F\)](#)

BFA: [None Required \(UTM Conversion required\).](#)

Compatible Weapon Types: [5.56mm/.223 LMG.](#)

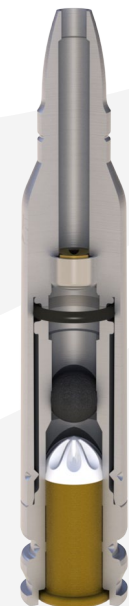
Storage

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

5.56mm LINKED LBBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- NO BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.56mm Linked LBBR)

- Standard Noise Levels.
- Loose (SLR) Ammunition

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

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- The UTM linked round is machine gun weapon specific and is not to be de-linked and used in any other type of weapon. Using the UTM linked round in any other type of weapon could cause damage to the weapon.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
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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.



Identifiers

Designation: 5.56mm Linked MMR
Origin: United Kingdom/United States
P/N: 01-3260 (Red), 01-3261 (Blue), 01-3262 (Green), 01-3263 (Yellow)
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 12 Boxes of 100 rounds (Linked).
325mm (12.80in) x 184mm (7.24in) x 184mm (7.24in) (L x H x D)
Gross Weight 10.5kg (23.1lb), NEQ 0.08kg (0.18lb)

Cartridge Components

Cartridge Case: Aluminium
Link: M27 Link
Cartridge Assembly: 8g
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 or Aluminium Base Cup which holds an Inertia Applicator Ball and Marking Compound covered with a Plastic (open) Cruciform Dome.
Marking Compound: Non-toxic, inert, available in four standard colours (Red, Blue, Green, Yellow).

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

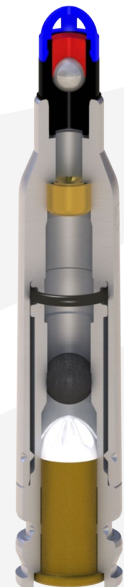
Noise Levels: Peak 123dB (Indoors)
Operational Temperature Range: -10°C to 42°C (14°F to 108°F)
Compatible Weapon Types: 5.56mm/.223 LMG.

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

5.56mm LINKED 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)

Available Alternatives (5.56mm Linked MMR)

- Loose (SLR) Ammunition.

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.



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

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.
- The UTM linked round is machine gun weapon specific and is not to be de-linked and used in any other type of weapon. Using the UTM linked round in any other type of weapon could cause damage to the weapon.
- 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 eye protection (safety glasses or goggles) is mandatory.
- Intended only for supervised training conducted in accordance with UTM safety training protocols by military 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.
- 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.

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.



TECHNICAL DATA & USAGE SHEET

5.56mm LINKED TBR

Identifiers

Designation: 5.56mm Linked TBR

Origin: United Kingdom/United States

P/N: 01-3047

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 12 Boxes of 100 rounds (Linked).
325mm (12.80in) x 184mm (7.24in) x 184mm (7.24in) (L x H x D)
Gross Weight 10.5kg (23.1lb), NEQ 0.11kg (0.24lb)

Cartridge Components

Cartridge Case: Aluminium

Cartridge Assembly: 9g

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: An Aluminium Base Cup 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: To be determined.

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

Compatible Weapon Types: 5.56mm/.223 LMG.

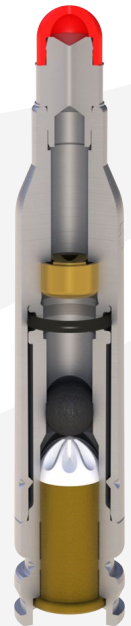
Storage

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.



TECHNICAL DATA & USAGE SHEET

5.56mm LINKED TBR

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 14.4 Joules (10.6 ft lbs) on average.

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 with low emissions.

Available Alternatives (5.56mm Linked TBR)

- Loose (SLR) Ammunition.

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

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.

WARNINGS

UTM Target Bullet Rounds are potentially lethal and should always be handled under the same guidelines as standard "live duty" ammunition.

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.



Identifiers

Designation: 5.7mm MMR
Origin: United Kingdom/United States
P/N: 01-0727 (Red), 01-0728 (Blue), 01-0729 (Green), 01-0730 (Yellow)
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 16 Boxes of 50 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 3.8kg (8.4lb), NEQ 0.02kg (0.04lb)

Cartridge Components

Cartridge Case: Aluminium
Cartridge Assembly: 3g
Cartridge Overall Length: 38mm / 1.50 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, available in four standard colours (Red, Blue, Green, Yellow).

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs
Average Muzzle Velocity: Avg 102m/sec (335fps)
Accuracy: FN Five-seveN - 50mm (1.97in) at 20m/22yds (mean radius)
FN P90 - 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

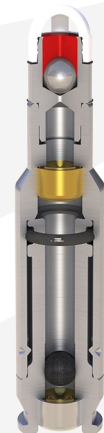
Noise Levels: Peak 128dB (Indoors).
Operational Temperature Range: -10°C to 42°C (14°F to 108°F)
Compatible Weapon Types: FN Five-seveN / FN P90.

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

5.7mm 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:

sales@utmworldwide.com
+44 (0) 1638.711.003
+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.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

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 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.
- 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.

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.





Identifiers

Designation: 5.7mm NMR
Origin: United Kingdom/United States
P/N: 01-3273
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 16 Boxes of 50 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 3.8kg (8.4lb), NEQ 0.02kg (0.04lb)

Cartridge Components

Cartridge Case: Aluminium
Cartridge Assembly: 3g
Cartridge Overall Length: 38mm / 1.50 in
Front Primer: Boxer Primer
Rear Primer: Boxer Primer
Projectile: See "Projectile Components" (Projectile is powered by primer only).

Projectile Components

Projectile Mass: 0.43g / 6.6gr
Projectile Assembly: An Aluminium Base Cup covered with a White Plastic Dome.

Ballistics

Average Muzzle Energy: Avg 2.3 Joules / 1.7ft/lbs
Average Muzzle Velocity: Avg 102m/sec (335fps)
Accuracy: FN Five-seveN - 50mm (1.97in) at 20m/22yds (mean radius)
FN P90 - 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

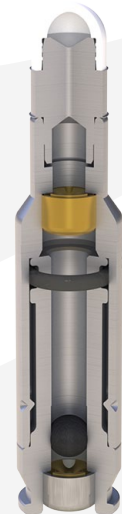
Noise Levels: Peak 128dB (Indoors)
Operational Temperature Range: -10°C to 42°C (14°F to 108°F)
Compatible Weapon Types: FN Five-seveN / FN P90.

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

5.7mm NMR

Purpose

- Accurate and reliable non-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)

Characteristics

- Normal weapon function and recoil.
- Non-Marking projectiles.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (5.7mm NMR)

- Marking Projectiles.

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

Usage Guidelines

- Whenever handling UTM 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 NMR. 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 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.
- 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.

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.



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

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.

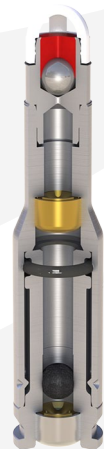
Storage

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:

sales@utmworldwide.com
+44 (0) 1638.711.003
+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.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

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 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.
- 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.

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.



Identifiers

Designation: 4.6mm NMR

Origin: United Kingdom/United States

P/N: 01-3296

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 16 Boxes of 50 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 3.75kg (8.3lb), NEQ 0.02kg (0.04lb)

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: 0.43g / 6.6gr

Projectile Assembly: An Aluminium Base Cup covered with a White Plastic Dome.

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.

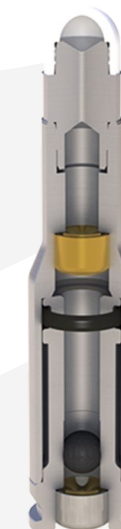
Storage

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 NMR

Purpose

- Accurate and reliable non-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)

Characteristics

- Normal weapon function and recoil.
- Non-Marking projectiles.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (4.6mm NMR)

- Marking Projectiles.

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

Usage Guidelines

- Whenever handling UTM 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 NMR. 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 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.
- 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.

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.





Identifiers

Designation: 7.62x39mm SBR

Origin: United Kingdom/United States

P/N: 01-3096

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 39 Boxes of 20 rounds.
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 5.0kg (11.0lb), NEQ 0.04kg (0.09lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 5g

Cartridge Overall Length: 46mm / 1.81 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

Projectile: None

Ballistics

Average Muzzle Energy: Not Applicable.

Average Muzzle Velocity: Not Applicable.

Accuracy: Not Applicable.

Maximum Effective Range for Training: Not Applicable.

Optimum Effective Range for Training: Not Applicable.

Standoff Distance: None - The SBR is safe for contact shots.

Operational Data

Noise Levels: Not Applicable.

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

BFA: None Required (UTM Conversion required).

Compatible Weapon Types: AK47 UTM Training Weapon Only..

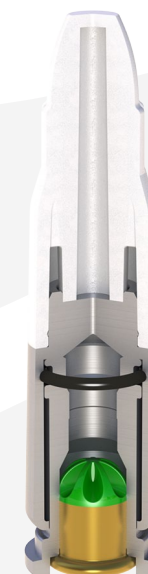
Storage

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

7.62x39mm SBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame.
- No BFA required (UTM Conversion Kit required).
- No separation distance.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with zero gas emissions.
- Non-toxic.

Available Alternatives (7.62x39mm SBR)

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

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- 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.
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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.

Identifiers

Designation: 7.62x39mm BBR

Origin: United Kingdom/United States

P/N: 01-3093

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 39 Boxes of 20 rounds.

303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)

Gross Weight 5.2kg (11.5lb), NEQ 0.06kg (0.13lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 6g

Cartridge Overall Length: 46mm / 1.81 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

Projectile: None

Ballistics

Average Muzzle Energy: Not Applicable.

Average Muzzle Velocity: Not Applicable.

Accuracy: Not Applicable.

Maximum Effective Range for Training: Any distance that can be heard.

Optimum Effective Range for Training: Any distance that can be heard.

Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: Peak 150dB (Indoors).

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

BFA: None Required (UTM RBT Conversion required).

Compatible Weapon Types: 7.62x39mm SLR.

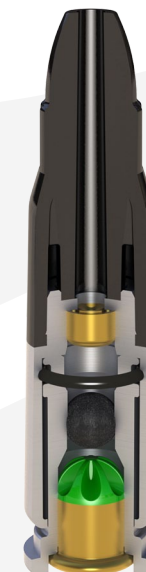
Storage

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

7.62x39mm BBR

Purpose

- Provide a training round that emits a realistic noise and cycles the weapons with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Use for SOP Development, refining Tactics, Techniques and Protocols, Skill Building, Scenarios and other collective level training.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame.
- No BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with low emission.

Available Alternatives (7.62x39mm BBR)

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

- UTM BBR converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
- 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.



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.

Identifiers

Designation: 7.62x39mm MMR
Origin: United Kingdom/United States
P/N: 01-3067 (Red), 01-3068 (Blue), 01-3069 (Green), 01-3070 (Yellow)
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 39 Boxes of 20 rounds (in trays).
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 5.4kg (11.9lb), NEQ 0.06kg (0.13lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic
Cartridge Assembly: 6g
Cartridge Overall Length: 50mm / 1.97 in
Front Primer: Boxer Primer
Rear Primer: 6.3x9 Blank / Power Load
Projectile: See "Projectile Components" (Projectile is powered by primer only).

Projectile Components

Projectile Mass: 0.52g / 8.0gr
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, available in four standard colours (Red, Blue, Green, Yellow).

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 45m / 49yds
Optimum Effective Range for Training: Approx. 25m / 27yds & closer.
Standoff Distance: 0.75m / 30in - No Contact Shots.
Surface Danger Zone (SDZ): 106m / 116yds minimum safe distance.

Operational Data

Noise Levels: Peak 131dB (Indoors).
Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
Compatible Weapon Types: AK47 UTM Training Weapon Only.

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

7.62x39mm 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with low emission.

Available Alternatives (7.62x39mm MMR)

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

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 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.
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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.



Identifiers

Designation: 7.62x51mm SBR
Origin: United Kingdom/United States
P/N: 01-3095
NSN (NATO): TBC
Gross Package: Cardboard Carton containing 22 Boxes of 20 rounds.
303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)
Gross Weight 4.3kg (9.5lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic
Cartridge Assembly: 8g
Cartridge Overall Length: 61mm / 1.97 in
Front Primer: None
Rear Primer: 6.3x9 Blank / Power Load
Projectile: None

Ballistics

Average Muzzle Energy: Not Applicable.
Average Muzzle Velocity: Not Applicable.
Accuracy: Not Applicable.
Maximum Effective Range for Training: Not Applicable.
Optimum Effective Range for Training: Not Applicable.
Standoff Distance: None - The SBR is safe for contact shots.

Operational Data

Noise Levels: Not Applicable.
Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)
BFA: None Required (UTM Conversion required).
Compatible Weapon Types: 7.62x51mm 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).



TECHNICAL DATA & USAGE SHEET

7.62x51mm SBR

Purpose

- Provides a training round that emits a realistic noise and cycles the weapon with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with the introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame.
- No BFA required (UTM Conversion Kit required).
- No separation distance.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with zero gas emissions.
- Non-toxic.

Available Alternatives (7.62x51mm SBR)

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

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Intended only for supervised training conducted in accordance with UTM safety training protocols by military, law enforcement or professional training and security organizations.
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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.

Identifiers

Designation: 7.62x51mm BBR

Origin: United Kingdom/United States

P/N: 01-3271

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 22 Boxes of 20 round.

303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)

Gross Weight 4.3kg (9.5lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 8g

Cartridge Overall Length: 61mm / 2.40 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

Projectile: None.

Ballistics

Average Muzzle Energy: Not Applicable.

Average Muzzle Velocity: Not Applicable.

Accuracy: Not Applicable.

Maximum Effective Range for Training: Any distance that can be heard.

Optimum Effective Range for Training: Any distance that can be heard.

Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: To be determined.

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

BFA: None Required (UTM Conversion required).

Compatible Weapon Types: 7.62x51mm 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).



TECHNICAL DATA & USAGE SHEET

7.62x51mm BBR

Purpose

- Provide a training round that emits a realistic noise and cycles the weapons with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Use for SOP Development, refining Tactics, Techniques and Protocols, Skill Building, Scenarios and other collective level training.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Available Alternatives (7.62x51mm BBR)

- Linked (LMG) Ammunition.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- NO BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
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+1.877.886.7233
+1.908.725.9000



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.

Identifiers

Designation: 7.62x51mm MMR

Origin: United Kingdom/United States

P/N: 01-3063 (Red), 01-3064 (Blue), 01-3065 (Green), 01-3066 (Yellow)

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 22 Boxes of 20 rounds.

303mm (11.93in) x 184mm (7.24in) x 152mm (5.98in) (L x H x D)

Gross Weight 4.3kg (9.5lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 8g

Cartridge Overall Length: 62mm / 2.44 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

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

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 45m / 49yds

Optimum Effective Range for Training: Approx. 25m / 27yds & closer.

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

Surface Danger Zone (SDZ): 106m / 116yds minimum safe distance.

Operational Data

Noise Levels: Peak 132dB (Indoors).

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

Compatible Weapon Types: 7.62x51mm SLR's.

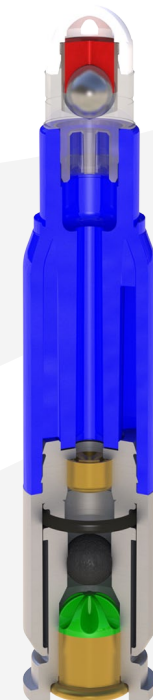
Storage

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).



TECHNICAL DATA & USAGE SHEET

7.62x51mm 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with low emission.

Available Alternatives (7.62x51mm MMR)

- Non-Marking Projectiles.
- Linked (LMG) Ammunition.

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

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 1m/3ft safe separation distance during training engagements.
- 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 reach of children.
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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.



Identifiers

Designation: 7.62x51mm Linked BBR

Origin: United Kingdom/United States

P/N: 01-3272

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 4 Boxes of 100 rounds (Linked).

325mm (12.80in) x 184mm (7.24in) x 184mm (7.24in) (L x H x D)

Gross Weight 5.7kg (12.6lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Link: M13 Link

Cartridge Assembly: 9g

Cartridge Overall Length: 62mm / 2.44 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

Projectile: None.

Ballistics

Average Muzzle Energy: Not Applicable.

Average Muzzle Velocity: Not Applicable.

Accuracy: Not Applicable.

Maximum Effective Range for Training: Any distance that can be heard.

Optimum Effective Range for Training: Any distance that can be heard.

Standoff Distance: 0.5m / 18in

Operational Data

Noise Levels: Peak 149dB (Indoors).

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

BFA: None required (UTM Conversion required).

Compatible Weapon Types: 7.62x51mm LMG.

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

7.62x51mm LINKED BBR

Purpose

- Provide a training round that emits a realistic noise and cycles the weapons with low emissions.
- Teach fundamentals of weapon handling, malfunction drills and marksmanship in any environment to include classroom.
- Essential building block between dry fire and live fire with introduction of noise and stress.
- Allow mission rehearsals/flow drills/scenarios in any environment.
- Use for SOP Development, refining Tactics, Techniques and Protocols, Skill Building, Scenarios and other collective level training.
- Compatible with certain virtual-reality interactive laser systems to add weapon recoil and weapon function realism.

Characteristics

- Normal weapon function and recoil.
- No Heat or Flame!
- NO BFA required (UTM Conversion Kit required).
- 0.5m (18inch) stand-off allows safe and realistic training.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact - low emission and available in non-toxic option only.

Available Alternatives (7.62x51mm BBR)

- Loose (SLR) Ammunition.

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

Usage Guidelines

- UTM converted weapons must be fired "clean and dry" in the weapon bore and barrel. NO LUBRICATION IN THE BARREL.
- Contact shots and shots to bare skin are prohibited. Maintain a 0.5m/18inch 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.
- 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.

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.



Identifiers

Designation: 7.62x51mm Linked MMR

Origin: United Kingdom/United States

P/N: 01-3075 (Red), 01-3076 (Blue), 01-3077 (Green), 01-3078 (Yellow)

NSN (NATO): TBC

Gross Package: Cardboard Carton containing 4 Boxes of 100 rounds (Linked).

325mm (12.80in) x 184mm (7.24in) x 184mm (7.24in) (L x H x D)

Gross Weight 5.8kg (12.8lb), NEQ 0.03kg (0.07lb)

Cartridge Components

Cartridge Case: Aluminium/Plastic

Cartridge Assembly: 9g

Cartridge Overall Length: 62mm / 2.44 in

Front Primer: Boxer Primer

Rear Primer: 6.3x9 Blank / Power Load

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

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 45m / 49yds

Optimum Effective Range for Training: Approx. 25m / 27yds & closer.

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

Surface Danger Zone (SDZ): 106m / 116yds minimum safe distance.

Operational Data

Noise Levels: TBC

Operational Temperature Range: -32°C to 49°C (-26°F to 120°F)

Compatible Weapon Types: 7.62x51mm LMG's..

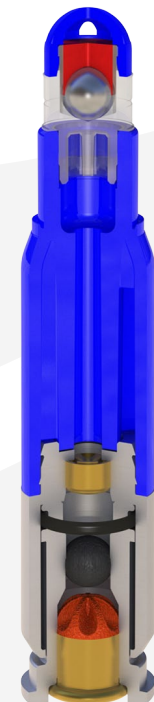
Storage

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).



TECHNICAL DATA & USAGE SHEET

7.62x51mm LINKED 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)

Characteristics

- Normal weapon function and recoil.
- Projectiles mark at any angle to include glancing "hits" and do NOT have to burst to mark.
- Realistic and consistent cyclic rates in semiautomatic and automatic weapons, which match "Live" fire.
- Surpasses "Live Fire" reliability.
- Minimal environmental impact with low emission.

Available Alternatives (7.62x51mm MMR)

- Loose (SLR) Ammunition.

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

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 1m/3ft safe separation distance during training engagements.
- 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 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.

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.



TECHNICAL DATA & USAGE SHEET

5.56mm MAN MARKER ROUND (MMR)

TDS_13008767 5_56mm MMR

Identifiers

Designation: 5.56mm Man Marker Round (MMR)
Origin: United Kingdom/United States
P/N [DODIC]: 13008767-1 [AB09] (Blue), 13008767-2 [AB10] (Red), 13008767-3 [AB11] (Yellow)
NSN (NATO): 1305-01-536-5822 (Blue), 1305-01-536-5827 (Red), 1305-01-536-5829 (Yellow)
Gross Package: Metal Can (M2A2) containing 30 Boxes of 30 rounds.
306mm (12.03in) x 191mm (7.50in) x 155mm (6.09in) (L x H x D)
Gross Weight 8.6kg (19.0lb), 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: 0.45g / 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 2.9 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: 1m / 3ft - No Contact Shots.
Surface Danger Zone (SDZ): 129m / 141yds minimum safe distance.

Operational Data

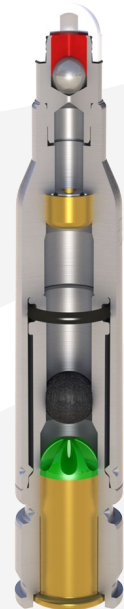
Noise Levels: Peak 123dB (Indoors)
Operational Temperature Range: -5°C to 40°C (23°F to 104°F)
Compatible Weapon Types: 5.56mm/.223 Sprung Ejection SLR's.

Storage

Shelf Life: Minimum five 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).



TECHNICAL DATA & USAGE SHEET

5.56mm MAN MARKER ROUND (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)

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.

Available Alternatives (5.56mm MMR)

- Reduced Velocity Projectile.
- Fixed Ejector Weapon Ammunition
- Non-Marking Projectiles.
- Linked (LMG) Ammunition.

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

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+1.877.886.7233
+1.908.725.9000

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 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 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.



TECHNICAL DATA & USAGE SHEET

5.56mm LINKED MAN MARKER ROUND (MMR)

TDS_13008770 5_56mm Link MMR



Identifiers

Designation: 5.56mm Linked Man Marker Round (MMR)
Origin: United Kingdom/United States
P/N [DODIC]: 13008770-1 [AB16] (Blue), 13008770-2 [AB17] (Red), 13008770-3 [AB15] (Yellow)
NSN (NATO): 1305-01-537-1521 (Blue), 1305-01-537-1522 (Red), 1305-01-536-9289 (Yellow)
Gross Package: Metal Can (PA108) containing 12 Boxes of 100 rounds (Linked).
328mm (12.91in) x 226mm (8.90in) x 185mm (7.28in) (L x H x D)
Gross Weight 17.3kg (38.1lb), NEQ 0.09kg (0.20lb)

Cartridge Components

Cartridge Case: Aluminium/Steel
Link: M27 Link
Cartridge Assembly: 12g
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: 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 2.9 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: 1m / 3ft - No Contact Shots.
Surface Danger Zone (SDZ): 129m / 141yds minimum safe distance..

Operational Data

Noise Levels: Peak 123dB (Indoors)
Operational Temperature Range: -5°C to 40°C (23°F to 104°F)
Compatible Weapon Types: 5.56mm/.223 LMG.

Storage

Shelf Life: Minimum five 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).





TECHNICAL DATA & USAGE SHEET

5.56mm LINKED MAN MARKER ROUND (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)

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.

Available Alternatives (5.56mm Linked MMR)

- Loose (SLR) Ammunition.

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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.
- The UTM linked round is machine gun weapon specific and is not to be de-linked and used in any other type of weapon. Using the UTM linked round in any other type of weapon could cause damage to the weapon.
- 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 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 safety training protocols by military 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.

