

Designation:	UTM, 9mm, Man-Marker Rounds (MMR)
Origin:	Great Britain
COMPONENTS	
Cartridge Case:	Zinc alloy
Projectile mass:	0.5 grams (7.5 grains)
Projectile material:	Plastic (open) cruciform dome with aluminium base cup which holds the marking compound.
Marking compound:	Non-toxic, inert, wax based compound, 5 standard colours. (Projectiles do NOT have to burst to mark and to mark glancing "hits")
Primer:	Rear: Large Pistol. Front: Small Pistol
Propellant:	Provided by front primer
Average muzzle velocity at 21°C (70°F)	108m/sec (350f/s) (Velocity is NOT dependent on weapon type)
Accuracy at 21°C (70° F)	5cm (2ins) at 7.6m (25ft) extreme spread *
Muzzle energy	2.0-3.5 joules (1.4 – 2.6ft/lbs)
Maximum Range:	250m (820ft or 273yds) at 31° elevation
Maximum effective range for training	Approximately 50m (approximately 165ft or approximately 55yds)
Shelf life:	Minimum three years with proper storage (Temperature range of marking compound > -10°C <40°C)
Recommended storage:	Cool and dry environment
Washing instructions:	Wash clothes normally with detergent after use

WARNING: WHENEVER HANDLING UTM MAN-MARKING CONVERTED FIREARMS, EYE (GOGGLES), FACE AND THROAT PROTECTION IS MANDATORY. UTM ADDITIONALLY STRONGLY RECOMMENDS HAND PROTECTION (GLOVES) AND THAT TWO LAYERS OF LOOSE FITTING CLOTHING BE WORN DURING TRAINING EXERCISES. ONE LAYER OF CLOTHING (I.E. MILITARY BDU) IS MANDATORY. SHOTS TO BARE SKIN ARE TO BE PROHIBITED.

Note: To minimize risk, UTM Man-Marker munitions are powered by primers only. There is no additional amount of propellant added.

* UTM 9mm MMRs provide the accuracy of duty ammunition at close ranges with point of aim equalling point of impact

European Patent number: 1228342 additional patents pending.

US Patent numbers: 6253682, 6371028, 6427600, 6095051, 6378439, 6422149, 6415718, 6564719

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