

ALWAYS
ON *target*®

.50 CAL 12.7MM SRTA BALL

SHORT-RANGE TRAINING AMMUNITION

OVERVIEW

General Dynamics Ordnance and Tactical Systems—Canada has more than 100 years experience in the manufacture of small caliber ammunition, including ball, tracer, blank and armor-piercing cartridges. The 0.50 caliber (12.7mm) SRTA Ball ammunition provides limited range training.



The 0.50 caliber SRTA projectile has a frangible copper-polymer blend projectile which significantly reduces the danger of ricochet and splashback while eliminating environmental contamination. It is designed to function in M2HB and QCB machine guns, and most common sniper rifles at extreme temperatures, without any auxiliary equipment or modifications.

The 0.50 caliber SRTA has a maximum range of 700m (765 yd) roughly 10 times shorter than that of conventional service ammunition. This is a major advantage when training near urban areas. Users can fire the 0.50 caliber SRTA safely on 7.62mm ranges due to the reduce range.

FEATURES AND ADVANTAGES

- > Reduces ricochet and splashback
- > Greatly reduces safety/danger zone
- > Provides greater training flexibility
- > Decreased damage to range infrastructure and targets
- > Accuracy and ballistic match with conventional ammunition to 150m
- > Same recoil, noise level and weapon function as conventional ammunition
- > Non-toxic projectiles
- > No weapon modification required





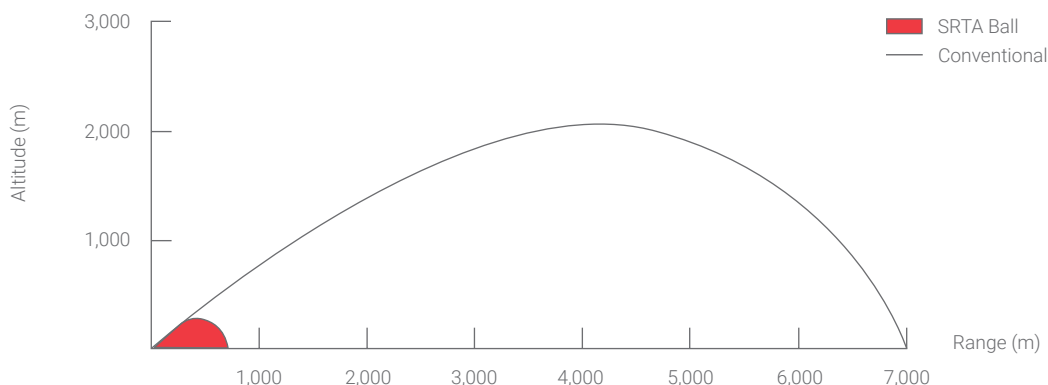
TECHNICAL DATA

Cartridge Length	Approx. 13.7cm (5.4in)
Bullet Weight	Approx. 36g (555 grains)
Projectile Material	Copper/polymer frangible compound
Frangibility	Do not ricochet further than 25m towards the weapon when fired on a steel plate positioned at 50m from the weapon
Conversion	700m (2,297ft)
Noise and Recoil	Replicates service M33 ball ammunition
Accuracy at 150m (164yd)*	30.5cm (12in)
Trajectory Match at 150m (164yd)**	35.56cm (14in)
Max. Chamber Pressure (-20°C, +21°C, +52°C) (-4°F, 70°F, 125°F)	<450 Mpa (65,267psi)
Cyclic Rate in M2 MG	Between 450 and 600 shots/minute

* Average mean radius

** Hor. and vert. MPI vs. conventional ball

TRAJECTORY ANALYSIS



0.50 Cal SRTA Maximum Range Versus Conventional Projectiles

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