

On target WITH CQT®

9 MM AND 5.56 MM

CLOSE QUARTERS TARGET PRACTICE CARTRIDGES



General Dynamics is the world leader in realistic ammunition training solutions. The innovative CQT® cartridges are designed using the Always on Target™ patented reduced-energy technology and work with a simple conversion kit, ensuring proper weapon functioning. Available in 5.56 mm and 9 mm, the CQT® cartridges are target practice training rounds, powered by a primer and a small amount of propellant. At tactical ranges, the Mean Point of Impact (MPI) of the CQT® will approximate the MPI of ball ammunition. They are used for target practice only and are never to be fired at personnel, as they are considered lethal ammunition.



The CQT® cartridges have many impressive features:

- Non-toxic projectile
- Accurate at tactical ranges, but reduced safety template
- Similar recoil and sound level to ball ammunition
- Function in user's own converted service weapon
- Distributed worldwide exclusively through the Always on Target network

Advantages:

- Affordable
- Convenience of target practice any time, any place, indoors or out
- Will not damage training structures
- Reduced lethality compared to ball
- Surface Danger Zone (SDZ) is less than 1% of conventional munitions

In addition, the Always on Target conversion kit:

- User-friendly installation; no tools required for temporary conversion
- Safe design helps preclude the firing of service ammunition
- Works with the user's service weapon without adding extra weight
- Realistic weapon functioning, capable of firing in single shot, burst and fully-automatic modes



The CQT® cartridges are ideal for training:

- Basic firearms familiarization and skill development
- Advanced tactical shooting exercises
- Static or reactive target practice without a range or ballistic facility
- On conventional ranges or in shoot houses
- Shoot/No shoot decisions on pop-up targets
- Urban training (MOUT/FIBUA)



ALWAYS
ON target™

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COMPONENTS	9 mm	5.56 mm
Projectile mass	0.45 g (7 grains)	0.3 g (4.7 grains)
Projectile material	Polymer	Polymer
Cartridge case	Copper alloy 260	Copper alloy 260
Primer	Small pistol TOXFREE [®] primer	Small rifle primer
Propellant	Single or double-base smokeless powder	Single or double-base smokeless powder
BALLISTIC DATA		
Nominal velocity at 3.5 m (12 ft.): 21° C (70° F)	220 m/s (720 fps)	300-450 m/s (985-1,475 fps): varies with weapon
Accuracy at 21° C (70° F)	Extreme spread 15 cm (6 in.) at 10 m (33 ft.)	Extreme spread less than 30 cm (12 in.) at 30 m (100 ft.)
Effective range for target practice	Approx. 10 m (33 ft.)	Approx. 50 m (165 ft.)
Safety template	Less than 225 m (740 ft.)	Less than 325 m (1,066 ft.)
Muzzle energy	17 joules (12.5 ft-lb)	27 joules (19.8 ft-lb)
Ballistic match	-6 cm (-2.5 in.) difference to MPI of ball ammunition at 10 m (33 ft.)	-15 cm (-6 in.) difference to MPI of ball ammunition at 30 m (100 ft.)
Sound level at 1 m (3 ft.)	Approx. 130 dB (maximum peak measured as per MIL-STD-1474D)	Approx. 130 dB (maximum peak measured as per MIL-STD-1474D)
TERMINAL EFFECT		
Terminal ballistics	No perforation on 12.7 mm (1/2 in.) high quality plywood at 5 m (16 ft.) or on 9.5 mm (3/8 in.) at 10 m (33 ft.)	No perforation on 12.7 mm (1/2 in.) high quality plywood at 50 m (165 ft.)
USE		
General	For use with Always on Target [™] conversion kit	For use with Always on Target [™] conversion kit
Operational temperature range	-8° C to 40° C (18° F to 104° F)	-8° C to +52° C (4° F to 126° F)
Firing modes	Single shot, burst and fully-automatic	Single shot, burst and fully-automatic
Weapons	Various pistols and submachine guns. Refer to www.simunition.com for a detailed listing of all available models.	Various rifles and machine guns with 1 in 7-inch twist. Refer to www.simunition.com for a detailed listing of all available models.
STORAGE		
Recommended storage	Cool, dry environment, 25° C (77° F) max.	Cool, dry environment, 25° C (77° F) max.
Shelf life	Three years minimum	Three years minimum
Warranty	One year	One year

Guidelines for use:

- Use only under the direction of a qualified Simunition[®] training safety officer
- CQT[®] is considered lethal ammunition, not for use on human targets!
- Intended for law enforcement and military training
- Use only in well-maintained, properly functioning firearms
- Use only in firearms which have been converted with a Simunition[®] conversion kit
- Clearly identify converted weapons for CQT[®] with yellow tape on the trigger guard, grip and on the magazine
- Always keep the barrel free of any obstruction
- If the gun fails to fire, avoid exposure to the breech when unloading and always point the muzzle in a safe direction
- After training, kits and weapons must be thoroughly cleaned and lightly lubricated to avoid potential functioning problems
- Improper use can cause serious injury or damage
- General Dynamics assumes no responsibility for injuries, loss or damage resulting from misuse of this ammunition
- Users must wear approved eye and ear (level 1) protection during training exercises

Dimensions, weights and velocities are nominal.

5.56 mm: US Patent no. 6,439,123; 6,620,267 and 6,625,916; European Patent Pending.

9 mm: US Patent no. 5, 359, 937; European Patent no. 0 473 758;

Patented or Patents Pending in numerous other countries

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Canada (Home office)
GENERAL DYNAMICS
Ordnance and Tactical Systems-Canada

5 Montée des Arsenaux
Le Gardeur, Québec
Canada J5Z 2P4
Tel.: 1-450-581-5999
Fax: 1-450-581-0231
Management System Certified
ISO 9001, ISO 14001 & OHSAS 18001

USA
GENERAL DYNAMICS
Ordnance and Tactical Systems

Simunition Operations
P.O. Box 576
Avon, CT 06001-0576 USA
Tel. USA only: 1-800-465-8255
Tel.: 1-860-404-0162
Fax: 1-860-404-0169