



12.7MM (.50 CALIBER) AMMUNITION

General Dynamics Ordnance and Tactical Systems - Canada has manufactured hundreds of millions of small caliber cartridges over its century of existence. The 12.7mm (.50 caliber) has been in production since WWI.

Today, the company produces six types of 12.7mm machine gun cartridges summarized in the table below:

| Cartridge Natures: | Projectile Weight (g) | Muzzle Velocity (m/s) | Tracer Distance (m) |
|------------------------------------------------------------------------------------------------------|-----------------------|-----------------------|---------------------|
| 12.7mm C162 Ball  | 45.3 | 875 | n/a |
| 12.7mm C163 Tracer  | 45.3 | 875 | 1,500 |
| 12.7mm AP (MK263) | 49.0 | 845 | n/a |
| 12.7mm C44 AP-T | 62.0 | 785 | 800 |
| 12.7mm LRTA | 45.0 | 895 | n/a |
| 12.7mm LRTA-T | 45.0 | 895 | 1000 |



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NATO Cartridges



Both the C162 ball and C163 tracer cartridges are NATO qualified. Projectiles use a single steel core penetrator nested inside a guiding jacket. The C163 trace projectile traces out to a minimum of 1500m.

Armor Penetration (AP) Cartridges

- The AP projectile is a guiding metal jacket filled with a hard steel core. It is designed to penetrate a three plate target array at up to 1100m, consisting of two 6.4mm aluminum plates and a thick 12.7mm iron plate. These AP cartridges are ballistically matched to standard 12.7mm cartridges. In the United States this cartridge is known under the MK263 classification.
- The C44 AP-T cartridges use a tungsten carbide core and can penetrate thick (6 to 14mm) strongly inclined (up to 60°) armored plates. They are not matched to other, regular 12.7mm cartridges but are traced, to allow proper aiming.

Sniper Ammunition

General Dynamics Ordnance and Tactical Systems - Canada manufactures a family of 12.7mm Sniper cartridges. For more information on these products please visit www.gd-otscanada.com.

Reduced Range Ammunition

General Dynamics Ordnance and Tactical Systems - Canada manufactures the LRTA and LRTA-T reduced range cartridges. Please visit www.gd-otscanada.com for more information on these products.

Packaging

Cartridges can be packed to meet customer requirements. Current packaging configurations are mainly for machine gun use, with M13 links packed in metal containers.



Other 12.7mm Cartridges

Through their Simunition® and Always on Target® product lines, General Dynamics Ordnance and Tactical Systems - Canada manufactures a 12.7mm short range training cartridge. For a detailed description of this innovative product please go to www.simunition.com

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