



0.50 CALIBER SNIPER ELITE®

Ball and Armor-Piercing Ammunition

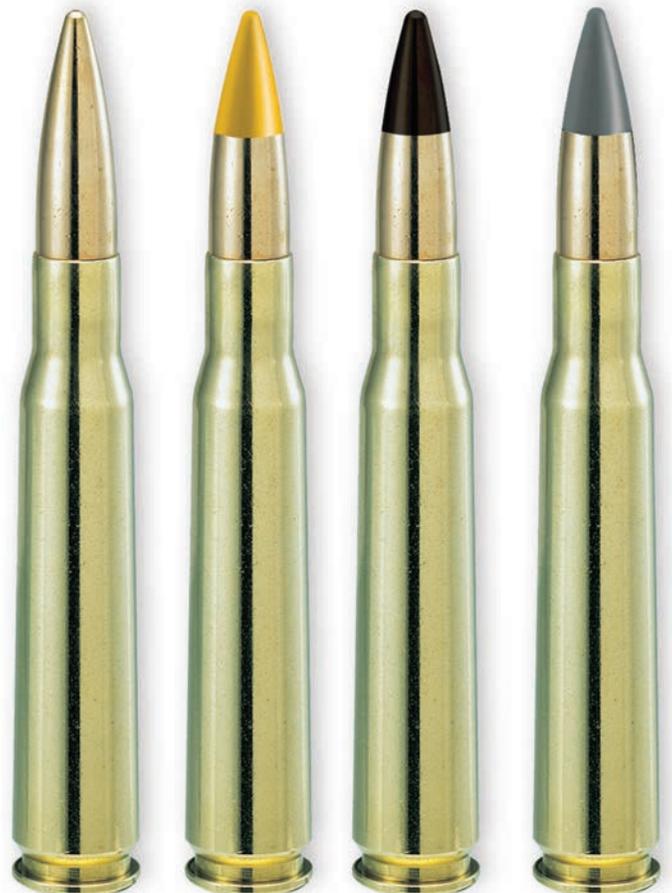


General Dynamics Ordnance and Tactical Systems-Canada has more than 100 years experience in the manufacture of small caliber ammunition, including ball, tracer, blank and armor-piercing cartridges. With constantly growing needs for increased accuracy, we offer the Sniper Elite® 0.50 caliber (12.7mm) Ball and AP (Armor-Piercing) family of ammunition. This family of ammunition is compatible with all common sniper rifles and produces a recoil similar to that of an M33 ball cartridge.

An interchangeable sniper family

Sniper Elite® Ball and AP cartridges are a perfect ballistic match and have the same trajectory and mean point of impact at 1,000 m (1,094 yds.)

The projectile design of the Sniper Elite® Ball and AP cartridges was optimized and all components are produced with very tight tolerances, for greater accuracy. This ammunition has an average radius dispersion of approximately 0.85 MOA (Minute of Angle) at 1,000 m (1,094 yds.)



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The Sniper Elite® Ball cartridge is available with spotter-flash-on-impact tracer option (known as TPS.) The Sniper Elite® AP cartridge is also available with an optional incendiary function (API.) In all, four projectile configurations are available.

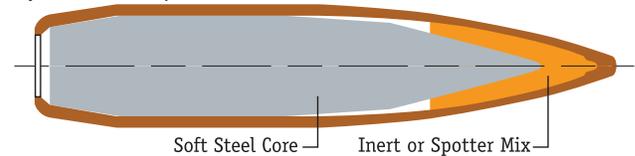
The Sniper Elite® Ball and AP cartridges are unique on the market today. Low target dispersion at long ranges is guaranteed by the use of specially designed production machinery.

Advantages

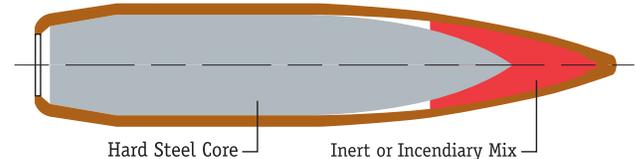
- Low recoil, noise and muzzle flash
- Extremely low cartridge case extraction force
- Bright flash upon target impact with Sniper Elite® TPS Ball cartridges, allowing clear identification of the impact area
- Sniper Elite® API cartridges will defeat strategic targets at long ranges (22 mm armor plate at 400 m)

- The seamless transition from the Sniper Elite® Ball to AP allows economical training with Ball, while maintaining operational readiness with AP
- Non-toxic bullets eliminate environmental soil contamination
- Sniper Elite® Ball and AP Projectiles available in 4 Configurations

Sniper Elite® Ball/TPS



Sniper Elite® AP/API



Ballistics	Ball and TPS	AP and API
Normal Dispersion	Mean radius: 24.5 cm (9.6 in) @ 1,000 m (= 0.85 MOA)	
Average chamber pressure @ 21°C (70°F) + 3 SD	< 450 Mpa (65,840 psi)	
Recoil energy (with muzzle brake)	Approx. 25 joules (18.4 ft/lb)	
Nominal velocity @ 24 m (78 ft)	Approx. 860 m/s (2,827 ft/s)	
Action time + 5 SD	< 4.5 ms	
Weapons	Functions common sniper rifles without auxiliary equipment	
Muzzle flash	Low	
Spotter marking effects on 1.9 cm (3/4 in.) plywood target in front of mild steel plate of 0.6 cm (1/4 in) thickness	Flash/smoke on impact at 1,000 m (1,094 yd)	-
Armor penetration	-	Exceeds NATO criteria
Incendiary effect	-	Exceeds NATO criteria
Cartridge weight	Approx. 115 g (0.253 lb)	Approx. 118 g (0.260 lb)
Projectiles weight	Approx. 46 g (709 grains)	Approx. 49 g (756 grains)
Watertightness	NATO standard: 50kPa (7,3 PSI)	