

# 12.7MM .50CAL SNIPER ELITE®

Ball and  
Armor-Piercing  
Ammunition



MUNITIONS

SMALL CALIBER

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 the constantly growing need 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 1,000m (1,094yds)

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. These cartridges generate an average radius dispersion of approximately 0.85 MOA (Minute of Angle) at 1,000m (1,094yds)



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## Ball and Armor-Piercing Ammunition

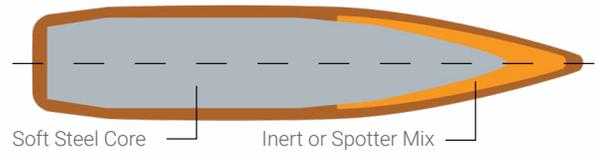
The Sniper Elite® Ball cartridge is available with spotterflash-on-impact tracer option (known as TPS). The Sniper Elite® AP cartridge is also available with an optional incendiary function (API). In all, four projectile configurations are available.

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.

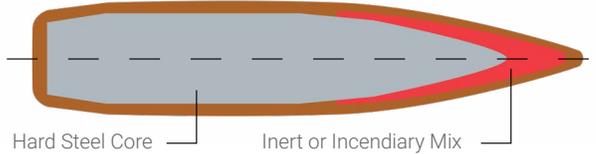
### ADVANTAGES

- » 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® AP and API cartridges will defeat strategic targets at long ranges (22mm armor plate at 400m)
- » 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 four configurations

Sniper Elite® Ball/TPS



Sniper Elite® AP/API



### BALLISTICS

### BALL AND TPS

### AP AND API

Normal Dispersion	Mean radius: 24.5cm (9.6in) at 1,000m (= 0.85 MOA)	Mean radius: 24.5cm (9.6in) at 1,000m (= 0.85 MOA)
Average chamber pressure at 21 °C (70°F) + 3 SD	< 450Mpa (65,840psi)	< 450Mpa (65,840psi)
Nominal velocity at 24m (78ft)	Approx. 860m/s (2,827ft/s)	Approx. 860m/s (2,827ft/s)
Action time + 5 SD	< 4.5ms	< 4.5ms
Weapons	Functions common sniper rifles without auxiliary equipment	Functions common sniper rifles without auxiliary equipment
Muzzle flash	Low	Low
Spotter marking effects on 1.9cm (3/4in) plywood target in front of mild steel plate of 0.6cm (1/4in) thickness	Flash/smoke on impact at 1,000m (1,094yd)	-
Armor penetration	-	Exceeds NATO criteria
Incendiary effect	-	Exceeds NATO criteria
Cartridge weight	Approx. 115g (0.253lb)	Approx. 118g (0.260lb)
Projectiles weight	Approx. 46g (709 grains)	Approx. 49g (756 grains)
Watertightness	NATO standard: 50kPa (7.3psi)	NATO standard: 50kPa (7.3psi)