



25MM TUNGSTEN APFSDS-T

Armor Piercing Fin Stabilized Discarding Sabot-Tracer

The General Dynamics Ordnance and Tactical Systems 25mm Tungsten Armor Piercing Fin Stabilized Discarding Sabot-Tracer (APFSDS-T) provides superior defeat capability over the M791 APDS-T round for the Bradley Fighting Vehicle. The long rod tungsten penetrator, of this highly effective anti-armor round, has excellent penetration characteristics with minimal dispersion. It is capable of defeating a wide array of target sets, including most modern armored infantry vehicles and armored personnel carriers.

- Fully compatible with all platforms using the M242 and KBA-B02 25 x 137mm gun system
- Cost-effective, utilizing common ammunition components of volume-produced 25mm Bushmaster ammunition
- Significant standoff armor defeat capability, high reliability and high first round hit probability
- Significantly improved range and penetration over existing conventional APDS ammunition

GENERAL DYNAMICS
Ordnance and Tactical Systems



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Designed to counter the growth in threat targets, the 25mm Tungsten APFSDS-T cartridge offers a replacement to the standard Bushmaster M791 APDS-T cartridge. The 25mm Tungsten APFSDS-T cartridge is a long rod penetrator that offers:

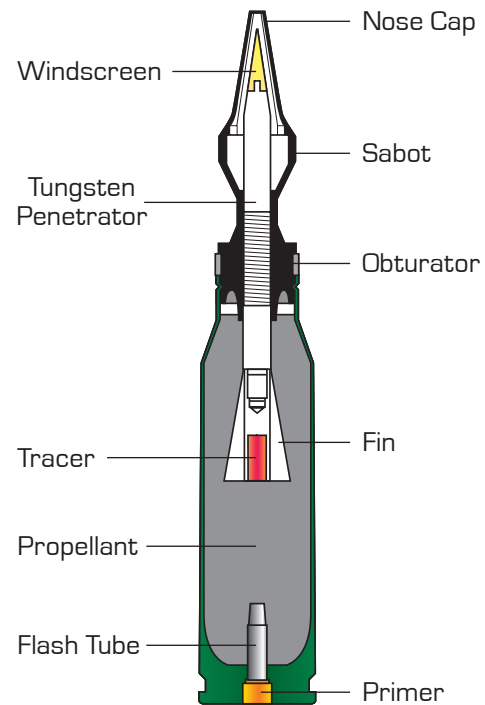
- Higher muzzle velocity
- Significant increase in armor penetration
- Improved standoff range

- Barrel wear equivalent to other fielded U.S. Army 25mm ammunition
- Increased gun system life and reduced replacement costs
- Improved accuracy and lethality at long range

These features greatly enhance light armored vehicles and armored fighting vehicles utilizing 25mm x 137 gun systems.

Technical Data

Cartridge Weight	457 gm
Primed Case	224 gm
Projectile	134 gm
Subprojectile	98 gm
Propellant	99 gm
Cartridge Length	223 mm
Projectile Muzzle Velocity	1390 m/sec
Chamber Pressure (P + 3SD) at 21°C	<454 MP/a



Maximum Range Meter/Elevation (degrees/mils)	Tracer Visibility Range Meters	Dispersion X mils by Y mils maximum	Trajectory Match to 25mm APFSDS-T	
			Range Meters	Delta Drop mils
17,289/ (45.52° /809.17mils)	2,000	.44 X .44	NA	NA

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