

120MM APFSDS

120MM AMMUNITION FOR NATO GUNS

MISSION

The 120mm APFSDS (Armour Piercing Fin Stabilized Discarding Sabot) belongs to an ammunition family complying with STANAG 4385 and MOPI AEP 26 requirements and can be fired by the LECLERC MBT, Abrams M1 (A1 and A2), Leopard 2, C1 Ariete and other MBTs fitted a 120mm smoothbore gun. The 120mm APFSDS is designed to defeat heavy armored vehicles such as MBT's. The family of ammunition consists of combat rounds (120 APFSDS armour piercing round, 120 HE High Explosive round, 120mm CAN) and practice rounds (120 APFSDS-TP practice armour piercing round and 120 HEAT-TP practice anti-tank round) and drill rounds for tank crew training for ammunition handling.



DESCRIPTION

The 120mm APFSDS is a Kinetic Energy round consisting of an assembly of a propelling charge and a projectile with Tungsten penetrator. The propulsion system consists of a metallic stub case with combustible cartridge case, granular propellant and electric semi-combustible primer. The projectile is based on a tungsten penetrator equipped with a six blades fin assembled in a 3 part-sabot. A ballistic cap is fitted to the front of the penetrator. The sabot has a silicone rubber seal at the rear to prevent gas leakage.

STATUS

In service.

TECHNICAL CHARACTERISTICS

Type	Armour Piercing Fin Stabilized Discarding Sabot
Caliber	120mm
Round mass	19.6kg
Round length	984mm
Projectile mass	7.3kg
Cartridge case	Combustible
Propellant	Double base
Primer	Semi-combustible, Electrical primer
Range	4,000m
Muzzle velocity (+21°C)	1.790m/s (52 cal.)
Precision/Dispersion	<0.20mil @ 3.000m
Operational temperature	-31°C to +51°C
Box	Plastic container