

# 105MM TK APFSDS-T

## M1060A3

### MISSION

For use with 105mm US M68, UK L7, CN105F1 and other STANAG 4458 compliant tank guns, to defeat armored targets by means of the kinetic energy (KE) of its monobloc tungsten alloy long rod penetrator. This model of KE round is a major product improvement of the KNDS 105mm APFSDS-T M1060A2.

### DESCRIPTION

The projectile consists of a sub-projectile and sabot. The sub-projectile comprises an Armour Piercing Fin Stabilized tungsten alloy long rod penetrator, an aluminium windshield and a tracer assembled in the fin assembly. This is contained within a 3-piece aluminium Discarding Sabot, held in place with a plastic band at the forward end and a plastic obturating band at the rear end of the sabot. The projectile is crimped to the cartridge case which is loaded with cool burning, multi-perforated, loose propellant, and is fitted with an electric primer and a wear reducing liner.

### STATUS

In service.



### TECHNICAL CHARACTERISTICS

Type	Fixed round APFSDS-T
Caliber	105mm
Round mass (nominal)	18.7kg
Round length	1,000mm
Projectile mass (nominal)	6.2kg
Penetrator	Tungsten alloy
Tracer	M21
Cartridge case	Brass
Anti-wear additive	Titanium dioxide
Primer	Electric cap M83
Propellant (nominal)	6.1kg
Muzzle velocity (at 21°C) (nominal)	1,560m/s
Dispersion	0.25mil
Line of sight penetration (RHA at 2,000 & 60° obliquity)	>500mm
Operational temperature	-32°C to +52°C
2 rounds per twin container 12 containers per pallet	
UN Classification	1.2 C UN 0328