

105MM TK HEAT-MP-T

M1061A1

MISSION

For use with 105mm US M68, UK L7, CN105F1 and other STANAG 4458 compliant tank guns, to defeat armored targets and structures by means of its shaped charge effect and personnel with blast and fragmentation effect.

DESCRIPTION

The steel bodied projectile is fitted with a polymer obturating band, a stand-off spike assembly, a tail fin assembly, and a tracer. It is equipped with a dual safety Point Impact Base Detonating (PIBD) fuze, which complies with MILSTD-1316. It has a high explosive shaped charge with a copper liner. The projectile is assembled to a brass cartridge case which is filled with triple base propellant and fitted with an electric primer. This round is based on the US 105mm M456 series and is similar in appearance and ballistically.

STATUS

In service.



TECHNICAL CHARACTERISTICS

Type	Fixed round HEAT-MP-T
Caliber	105mm
Round mass (nominal)	22.2kg
Round length	1.001m
Projectile mass (nominal)	10.5kg
Projectile filling (Comp B)	1.1kg
Fuze	PIBD
Tracer	M13
Cartridge case	Brass
Anti-wear additive	Titanium dioxide
Primer	Electric cap M83
Propellant TB (nominal)	5.3kg
Muzzle velocity (at 21°C) (nominal)	1,173m/s
Dispersion	0.3mils
Maximum range	8,200m
Penetration (at 21°C)	180mm RHA steel at 60° obliquity
Tracer time	≥2.5s
Operational temperature	-32°C to +52°C
2 rounds per twin container 12 containers per pallet	
UN Classification	1.1 E UN 0006