

120MM MORTAR HE

M530A2

MISSION

The 120mm HE bomb is designed for use in 120mm smooth bore NEMO and other high pressure mortars. The round is used against structures, material and personnel targets.

DESCRIPTION

The body is made of high fragmentation cast iron and is loaded with 2.5kg of Composition B. The fuze is a point detonating type that can be set in either delay or superquick mode. The standard propelling charge set consists of a primary cartridge, 6 equal charge increments and a 7th supplementary charge. The round has a range in excess of 9km. The 120mm M530A2 is obtained by adding a stub case on the 120mm M530A1 which has been safety certified by the US Army for use in the 120mm AMS turreted mortar in 1999.



STATUS

In service.

TECHNICAL CHARACTERISTICS

Type	HE
Caliber	120mm
Round mass (nominal)	15.5kg
Round length	800mm
Projectile filling (Comp. B)	2.5kg
Fuze	PD (Delay or Superquick)
Primary ignition cartridge	M547
Increment charge 1 to 6	M546
Supplementary charge 7S	M553
Maximum chamber pressure (at 21°C)	165MPa
Muzzle velocity	440m/s
Range	>9km
Operational temperature	-46°C to +62°C
2 rounds per twin container, 15 containers per pallet/Alternative packaging available on request	
UN Classification	1.1 E UN 0006