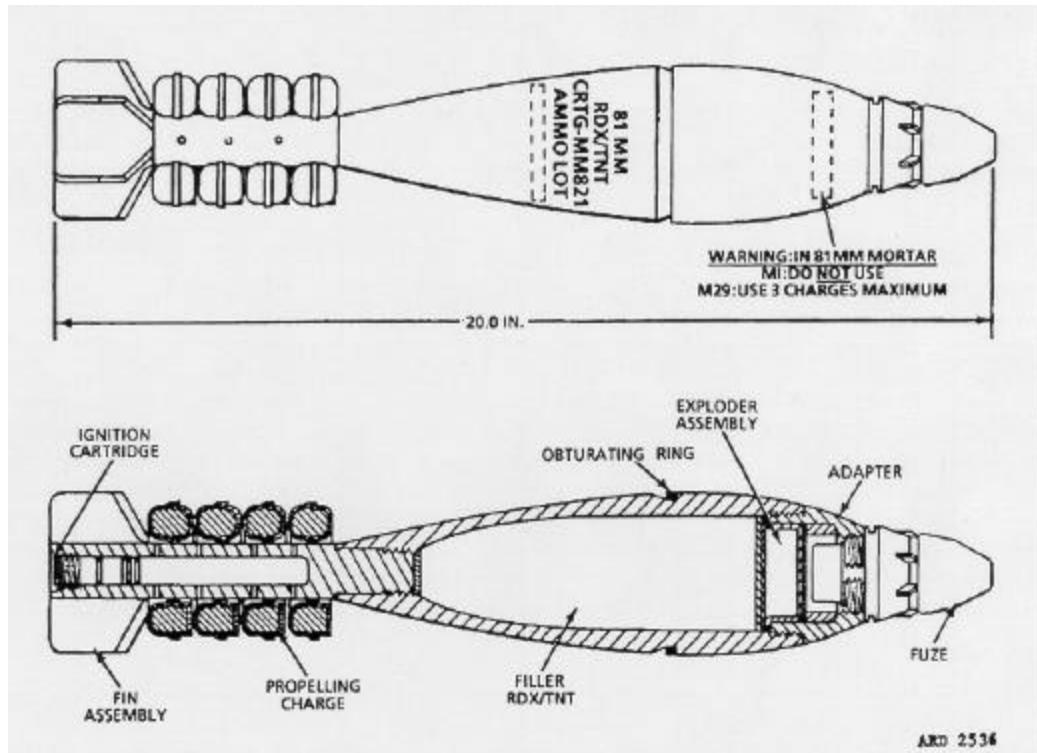


MORTAR, 81mm, HE, M821



Use. This cartridge is a high explosive round developed for use in the M252 improved 81mm mortar system. It is intended for use against personnel and light materiel targets.

Description. The complete round consists of a fuze, propellant charge, fin assembly, ignition cartridge, and shell body. The shell body, made of Ductile Cast Iron, is loaded with a RDX/TNT filler. The ignition cartridge has a percussion primer and is assembled to the end of the fin assembly. The propelling charge is contained in four horse-shoe felt-fiber containers and assembled around the fin assembly shaft.

Functioning. The fuze functions on proximity, near the surface, on impact, or delay depending on the fuze setting and detonates the projectile.

Over-all Length.....	20.1 inches
Diameter (body).....	81 mm
Total Weight.....	8.96 pounds
Filler/Weight.....	RDX-TNT /1.6 pounds
Propelling charge	4 increments M205 propellant containers w/UK ball propellant
Fuze	Multi-option, M734
Painting and Markings.....	Olive drab, yellow markings

Reference: TM 43-0001-28, *Army Ammunition Data Sheets, Artillery Ammunition*, Apr '77