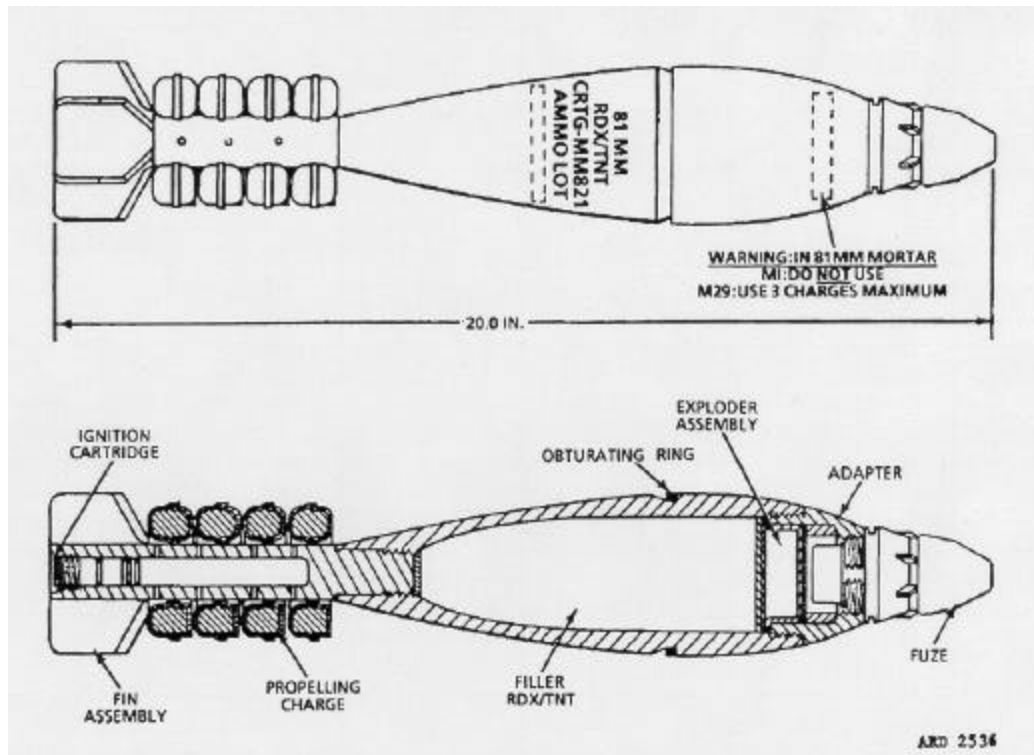


# MORTAR, 81mm, HE, M821



*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.

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

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