



01 / PRODUCT OVERVIEW

M1

105 mm HE shell M1



FIG 01 PRODUCT CONFIGURATION

**11200 m (howitzers
M2A1 and M4)**

MAXIMUM RANGE

**472 m/s (howitzers M2A1
and M4); 491 m/s
(howitzer M56)**

MUZZLE VELOCITY

14.9 kg

PROJECTILE WEIGHT

 ≤ 2305 barMEAN MAXIMUM PRESSURE OF POWDER
GASES

01.1 / OVERVIEW

Separate-loaded 105 mm TNT-filled HE M1 round with point-detonating fuze for 105 mm howitzers M56, M2A1 and M4.

TYPE
HECALIBRE
105 mmSTANDARD
NATO**PROCUREMENT AND COMPLIANCE**

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



TECHNICAL DATA

M1 / AMMUNITION

IDENTITY AND CONSTRUCTION

Projectile weight	14.9 kg
Cartridge case weight	approx. 2.74 kg
Projectile length with fuze	496 mm
Cartridge case length	approx. 372 mm
Fuze	UTIU M02-P1
Fuze action	impact, superquick and delay

BALLISTIC PERFORMANCE

Muzzle velocity	472 m/s (howitzers M2A1 and M4); 491 m/s (howitzer M56)
Maximum range	11200 m (howitzers M2A1 and M4)
Mean maximum pressure of powder gases	<= 2305 bar
Operating temperature	-30 to +50 deg C

DIMENSIONS, MASS AND SUPPLY

Packaging	2 rounds in a wooden case
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ADDITIONAL TECHNICAL DATA

Weapon compatibility	105 mm howitzers M56, M2A1 and M4
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