



01 / SYSTEM OVERVIEW

M101/M2A1

105 mm howitzer M101/M2A1 upgrade



FIG 01 PRODUCT CONFIGURATION

8 / 8 rounds/min

MAXIMUM RATE OF FIRE (M101 /
UPGRADED)

290 / 385 kg

BARREL WEIGHT (M101 / UPGRADED)

18.1 km

RANGE WITH HE-ER BB PROJECTILE

15 km

RANGE WITH HE-ER BT PROJECTILE

01.1 / OVERVIEW

Upgrade of the 105 mm M101/M2A1 howitzer that replaces the 23-calibre barrel with a 33-calibre barrel fitted with a double baffle muzzle brake, together with a higher-pressure breech and breech block, a new equilibrator spring and added trail weight, raising range to 18.1 km with the HE-ER base bleed projectile and 15 km with the HE-ER boat-tail projectile.

TYPE
Howitzer

CALIBRE
105 mm

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.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

M101/M2A1 / WEAPON SYSTEM

DIMENSIONS AND MASS

Barrel weight (M101 / upgraded)	290 / 385 kg
Barrel length (M101 / upgraded)	2363 / 3500 mm
Weapon length (M101 / upgraded)	6000 / 7050 mm
Upgrade kit weight	250 kg (12% of the standard M101/M2A1 howitzer weight)

PERFORMANCE AND OPERATION

Range with HE-ER BB projectile	18.1 km
Range with HE-ER BT projectile	15 km
Range gain with HE-ER BB round	60%
Range gain with HE-ER BT round	32%
Maximum rate of fire (M101 / upgraded)	8 / 8 rounds/min

ADDITIONAL TECHNICAL DATA

Barrel upgrade	33-calibre barrel replacing the existing 23-calibre barrel
Muzzle brake upgrade	New double-baffle muzzle brake
Breech upgrade	Breech and breech block replaced with equivalent higher-pressure steel parts
Equilibrator upgrade	Equilibrator spring replaced
Trail modification	Additional weight added on the trails
Muzzle brake (M101 / upgraded)	No baffle / double baffle