

# UPGRADE OF 105 mm, M101/M2A1 HOWITZER

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## Range increase:

- 18.1 km with new HE-ER BB projectile (with base bleed unit)
- 15 km with new HE-ER BT (boat-tail) projectile



## Compared to range of existing projectiles, following gains have been achieved:

- 60% compared to the M101/M2A1 howitzer, using HE-ER BB round
- 32% compared to the M101/M2A1 howitzer, using HE-ER BT round

## Upgrade procedure stipulates:

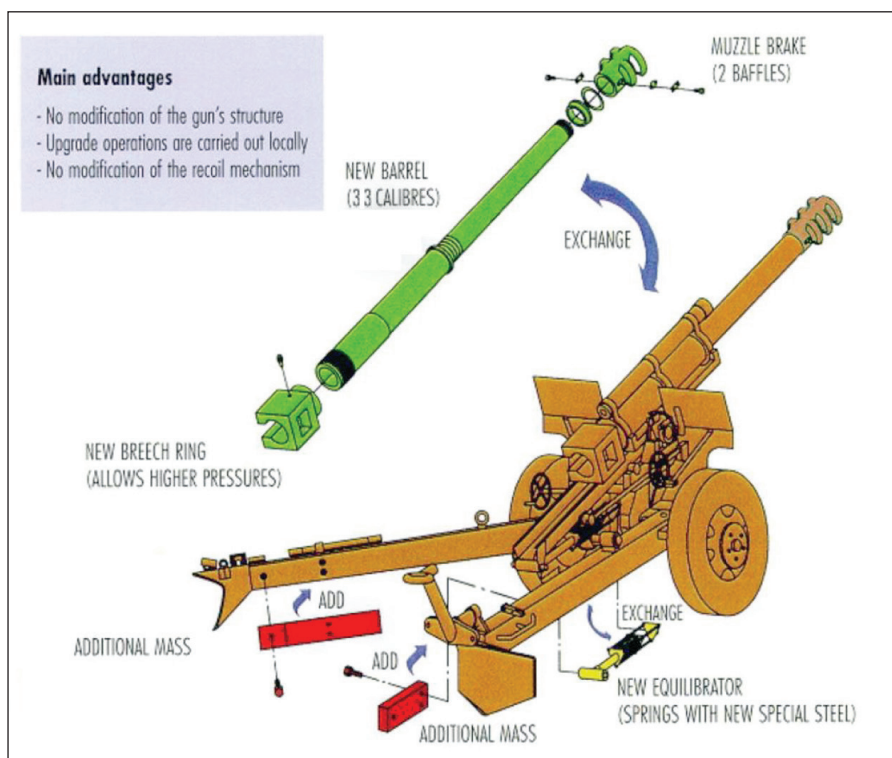
- replacing existing 23-caliber length barrel with new 33-caliber length one
- fitting the barrel with new double baffle muzzle brake
- replacing breech and breech block with identical parts, made from steel capable of withstand higher pressures
- replacing the spring of the equilibrator
- adding additional weight on the trails

## Main advantages of upgraded M101/M2A1 howitzer are:

- howitzer's structure has been retained
- recoil system is left unchanged
- weight of the upgrade kit is 250 kg, i.e. only 12% of standard M101/M2A1 howitzer
- upgrade operations are carried out locally, at customer's site

## Main technical characteristics

In order to comply with stringent requirements of modern battlefield, where firepower and mobility are of paramount importance, 105 mm self-propelled howitzer has been developed, using 4 x 4 truck chassis, with high cross-country capability.



Technical data:	M101	Upgraded M101
• Barrel weight, kg	290	385
• Barrel length, mm	2363	3500
• Weapon length, mm	6000	7050
• Type of muzzle brake	No baffle	Double baffle
• Max. rate of fire (rds/min)	8	8

