



01 / PRODUCT OVERVIEW

# M107

155 mm HE round M107 with propellant charge M4A2



FIG 01 PRODUCT CONFIGURATION

14600 m (M109/M126A1);  
14800 m (M109A1/M185);  
15030 m (M198/M199)

MAXIMUM RANGE

562 m/s (M109/M126A1);  
565 m/s (M109A1/M185);  
574 m/s (M198/M199)

MUZZLE VELOCITY

43.1 kg (tabular)

PROJECTILE WEIGHT

$\leq 2495$  bar (M109/M126A1);  
 $\leq 1730$  bar (M109A1/M185)

MEAN MAXIMUM PRESSURE OF POWDER  
GASES

## 01.1 / OVERVIEW

Separate-loaded 155 mm HE round pairing the M107 projectile with the reduced M4A2 charge, range 14600 to 15030 m.

TYPE

HE

CALIBRE

155 mm

STANDARD

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.



02 / TECHNICAL SPECIFICATION

# TECHNICAL DATA

M107 / AMMUNITION

## IDENTITY AND CONSTRUCTION

|                             |                                        |
|-----------------------------|----------------------------------------|
| Projectile weight           | 43.1 kg (tabular)                      |
| Projectile length with fuze | 702 mm                                 |
| Fuze                        | UTIU M02P1, superquick or delay action |

## BALLISTIC PERFORMANCE

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Muzzle velocity                       | 562 m/s (M109/M126A1); 565 m/s (M109A1/M185); 574 m/s (M198/M199) |
| Maximum range                         | 14600 m (M109/M126A1); 14800 m (M109A1/M185); 15030 m (M198/M199) |
| Mean maximum pressure of powder gases | <= 2495 bar (M109/M126A1); <= 1730 bar (M109A1/M185)              |
| Operating temperature                 | -30 to +50 deg C                                                  |

## DIMENSIONS, MASS AND SUPPLY

|                          |        |
|--------------------------|--------|
| Propellant charge weight | 6.4 kg |
|--------------------------|--------|

## ADDITIONAL TECHNICAL DATA

|                      |                                                         |
|----------------------|---------------------------------------------------------|
| Explosive charge     | 6.72 kg TNT                                             |
| Primer               | KT M82P2                                                |
| Weapon compatibility | 155 mm M109/M126A1, M109A1/M185 and M198/M199 howitzers |



# CONFIGURATION VIEWS

M107 / SUPPLEMENTARY CATALOGUE VIEWS

FIG 02 / propellant charge M4A2

