



01 / PRODUCT OVERVIEW

M485A2

155 mm illuminating round M485A2 with propellant charge M3A1



FIG 01 PRODUCT CONFIGURATION

155 mm

CALIBRE

**9000 m (M109/M126A1),
9000 m (M109A1/M185),
10300 m (M198/M199)**

MAX RANGE OF ILLUMINATION

**385 m/s (M109/M126A1),
381.7 m/s (M109A1/M185),
380.1 m/s (M198/M199)**

PROJECTILE MUZZLE VELOCITY

41.8 kg

PROJECTILE MASS, TABULAR

01.1 / OVERVIEW

A separately loaded 155 mm round pairing the illuminating projectile M485A2, assembled with an illuminating torch, with propellant charge M3A1 to light the battlefield; its electronic time fuze UTE M10 is timed with a UTIF setter before firing from the 155 mm howitzers M109/M126A1, M109A1/M185 and M198/M199.

TYPE

Illuminating

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

M485A2 / AMMUNITION

IDENTITY AND CONSTRUCTION

Calibre	155 mm
Projectile muzzle velocity	385 m/s (M109/M126A1), 381.7 m/s (M109A1/M185), 380.1 m/s (M198/M199)
Projectile length, with fuze	701 mm
Projectile mass, tabular	41.8 kg
Fuze	electronic time fuze UTE M10, set with UTIF setter

BALLISTIC PERFORMANCE

Mean max pressure of powder gases	≤ 1593 bar (M109/M126A1), ≤ 1062 bar (M109A1/M185)
Max range of illumination	9000 m (M109/M126A1), 9000 m (M109A1/M185), 10300 m (M198/M199)
Operating temperature	-30 to +50 °C

DIMENSIONS, MASS AND SUPPLY

Illuminating composition mass	2.63 kg
Propellant charge mass	2.68 kg

ADDITIONAL TECHNICAL DATA

Light intensity	1000000 cd
Torch burning time	≥ 120 s
Primer	gun primer KT M82P2