



01 / PRODUCT OVERVIEW

M09

155 mm ERFB smoke projectile M09



FIG 01 PRODUCT CONFIGURATION

approx. 20600 m (zone 8); 26600 m (zone 9); 32200 m (zone 10)

MAXIMUM RANGE

approx. 680 m/s (zone 8); 820 m/s (zone 9); 900 m/s (zone 10)

MUZZLE VELOCITY

approx. 45.5 kg

PROJECTILE WEIGHT

approx. 1700 bar (zone 8); 2600 bar (zone 9); 3250 bar (zone 10)

MEAN MAXIMUM PRESSURE OF POWDER GASES

01.1 / OVERVIEW

Extended-range full-bore 155 mm white phosphorus smoke projectile, range 20600 to 32200 m over charge zones 8 to 10.

TYPE
Smoke

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

M09 / AMMUNITION

IDENTITY AND CONSTRUCTION

Projectile weight	approx. 45.5 kg
Filling	approx. 8.7 kg white phosphorus
Projectile length with fuze	approx. 938 mm
Fuze	UTIU, M02

BALLISTIC PERFORMANCE

Muzzle velocity	approx. 680 m/s (zone 8); 820 m/s (zone 9); 900 m/s (zone 10)
Maximum range	approx. 20600 m (zone 8); 26600 m (zone 9); 32200 m (zone 10)
Mean maximum pressure of powder gases	approx. 1700 bar (zone 8); 2600 bar (zone 9); 3250 bar (zone 10)

DIMENSIONS, MASS AND SUPPLY

Propellant weight	approx. 8.5 kg (zone 8); 12.9 kg (zone 9); 15.2 kg (zone 10)
Packaging	projectiles, MC propelling charges (zones 8, 9, 10) and fuzes packed separately

ADDITIONAL TECHNICAL DATA

Propelling charge	MC zone 8, MC zone 9, MC zone 10
Propellant type	NCD-26 (zone 8), NCD-191 (zone 9), NCD-19 (zone 10)
Primer	TK M82 P2
Weapon compatibility	155 mm self-propelled gun-howitzer NORA B52 M03