



01 / PRODUCT OVERVIEW

M91

81/82 mm M91 white phosphorus smoke mortar bomb



FIG 01 PRODUCT CONFIGURATION

6500 m (0+6) (81/82 mm mortar M69 B-D, barrel length 1450 mm)

MAXIMUM RANGE

90 m (0)

MINIMUM RANGE

70 m

MUZZLE SAFETY AT LOWEST INITIAL VELOCITY

4100 g

MASS WITH FUZE

01.1 / OVERVIEW

Extended-range 81/82 mm white phosphorus smoke mortar bomb with 700 g fill, ranging 90 m to 6500 m.

TYPE
Smoke

CALIBRE
81/82 mm

STANDARD
Both

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

M91 / AMMUNITION

IDENTITY AND CONSTRUCTION

Length with fuze	478 mm
Mass with fuze	4100 g
Fuze	UT M88 P1, impact
Ignition cartridge	M94, waterproof

BALLISTIC PERFORMANCE

Muzzle safety at lowest initial velocity	70 m
Maximum range	6500 m (0+6) (81/82 mm mortar M69 B-D, barrel length 1450 mm)
Minimum range	90 m (0)
Max. mean operating pressure	647 bars
Operating temperature range	-30 deg C to +50 deg C

DIMENSIONS, MASS AND SUPPLY

Weight of smoke charge (WP)	700 g
Packaging	1 shell per carton, 5 cartons per wooden box 58 x 55 x 16 cm, 34 kg, 0.051 m ³

ADDITIONAL TECHNICAL DATA

Increment charges	Ignition cartridge and six increment charges (0+6)
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