



01 / PRODUCT OVERVIEW

M09P1

81/82 mm M09P1 HE mortar bomb



FIG 01 PRODUCT CONFIGURATION

5070 m (0+6) (81/82 mm mortar M69 B-D, barrel length 1450 mm)

MAXIMUM RANGE

91 m (0)

MINIMUM RANGE

50 m

MUZZLE SAFETY AT LOWEST INITIAL VELOCITY

3180 g

MASS WITH FUZE

01.1 / OVERVIEW

81/82 mm high-explosive mortar bomb with 680 g fill, fired with six increment charges from 91 m to 5070 m.

TYPE

HE

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

M09P1 / AMMUNITION

IDENTITY AND CONSTRUCTION

Length with fuze	400 mm
Mass with fuze	3180 g
Fuze	UT M93-N, impact
Ignition cartridge	M09, waterproof

BALLISTIC PERFORMANCE

Muzzle safety at lowest initial velocity	50 m
Maximum range	5070 m (0+6) (81/82 mm mortar M69 B-D, barrel length 1450 mm)
Minimum range	91 m (0)
Max. mean operating pressure	647 bars
Killing range (1 penetration/m2) radius	14 m
Operating temperature range	-46 deg C to +63 deg C

DIMENSIONS, MASS AND SUPPLY

Mass of explosive charge	680 g
Packaging	1 shell per carton, 5 cartons per wooden box 54 x 44 x 16 cm, 29 kg, 0.038 m3

ADDITIONAL TECHNICAL DATA

Explosive charge	Hexolite / trotyl (TNT)
Increment charges	Ignition cartridge and six increment charges (0+6)