



01 / SYSTEM OVERVIEW

120 MM MORTAR

120 mm towed mortar



FIG 01 FIRING CONFIGURATION

120 mm

BARREL CALIBER

7200 m

MAXIMUM RANGE WITH NEW HE SHELL

15 shells/minute

MAXIMUM RATE OF FIRE

~190 kg

MORTAR MASS IN FIRING POSITION

01.1 / OVERVIEW

A wheeled towed 120 mm mortar crewed by four, weighing about 270 kg in travelling position and about 190 kg in firing position, reaching 7200 m with the new HE shell and firing up to 15 shells per minute.

TYPE
MortarCALIBRE
120 mmSTANDARD
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.



TECHNICAL DATA

120 MM MORTAR / WEAPON SYSTEM

DIMENSIONS AND MASS

Barrel caliber	120 mm
Mortar mass in travelling position	~270 kg
Mortar mass in firing position	~190 kg
Barrel assembly mass, incl. breech ring	~72 kg
Base plate mass	~90 kg
Bipod mass	~26 kg
Weapon set of spares, tools and accessories, mass	~13 kg
Barrel length	~1695 mm
Mortar height at 45° elevation	~1430 mm
Mortar height at 80° elevation with base plate unburied	~1865 mm
Mortar height at 80° elevation with base plate buried	~1660 mm
Mortar length in travelling position	~2355 mm
Mortar height in travelling position	~960 mm
Road clearance	~280 mm
Mortar width in travelling position	~1410 mm
Wheel track	~1280 mm



03 / TECHNICAL SPECIFICATION

TECHNICAL DATA

120 MM MORTAR / WEAPON SYSTEM

PERFORMANCE AND OPERATION

Maximum range with light HE shell	6340 m
Minimum range with light HE shell	275 m
Maximum range with heavy HE shell	5551 m
Minimum range with heavy HE shell	300 m
Maximum range with new HE shell	7200 m
Maximum barrel elevation	85°
Minimum barrel elevation	45°
Horizontal field of action with fixed bipod	3° left/right
Horizontal field of action with displacement of bipod	360°
Tyre air pressure	1 bar
Rate of single fire in 1 minute	9 shells
Rate of single fire in 3 minutes	25 shells
Rate of single fire in 5 minutes	30 shells
Rate of single fire in 10 minutes	35 shells
Rate of single fire in 60 minutes	70 shells
Rate of single fire in 120 minutes	110 shells
Maximum rate of fire	15 shells/minute
Transition time from firing position to travelling position	30 seconds

CONFIGURATION AND SUPPORT

Number of crew	4
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ADDITIONAL TECHNICAL DATA

Towing support	~80 kg
Tyre size	135/80 R12