



120 mm, M75

Mortar



General data:

Mortar 120 mm M75 is a light-weight weapon of infantry close support, designed for annihilation of manpower, destroying of firing points during artillery preparation of attack and for defence of a supported unit. It is particularly effective on intersected and hilly terrains where the enemy may be hidden by a rear slope. The mortar can effectively open breaches in wire barriers or mine fields, demolish lighter fortifications and remove top soil covers over heavy bunkers. The mortar is also well suited for combat against mechanized units, by destroying their infantry. It is also suitable for making of smoke screens and for target illumination at night.

Means of transport:

- Mortar M75 may be transported:
- towed by motor vehicle
 - towed by single animal using proper harness
 - by animal pack with three animals
 - by helicopter, without additional accessories
 - parachuted by cargo parachute with pallet
 - man-carried, dismantled to sections and using
 - man pack carriers, over short distances
 - in snow or in the mountains, dismantled to sections and moved by sleds
 - loaded on motor vehicles for long distances
 - transported by rail or sea.

The main technical data

Barrel caliber	120 mm	
Ranges	Max.	Min.
1) with light HE shell	6340 m	275 m
2) with heavy HE shell	5551m	300 m
3) 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°	
Mortar mass in travelling position	~ 270 kg	
Mortar mass in firing position	~190 kg	
Barrel assy, mass, incl. breech ring	~72 kg	
Base plate mass	~90 kg	
Bipod mass	~26 kg	
Towing support	~80 kg	



The main technical data

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
Tyre size	135/80 r12
Tyre air pressure	1 bar
Rates of single fire:	
in 1 minute	9 shells
in 3 minutes	25 shells
in 5 minutes	30 shells
in 10 minutes	35 shells
in 60 minutes	70 shells
in 120 minutes	110 shells
Maximum rate of fire	15 shells/minute
Transition time from firing position to travelling position	30 seconds
Number of crew	4

