

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 fortifi-cations and remove top soil covers over heavy bun¬kers. The mortar is also well suited for combat against mechanized units, by destroying their infan¬try. 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 sec
- loaded on motor vehicles for long distances
- tions and moved by sleds
- transported by rail or sea.

The main techical 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 techical 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

