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Mortar  
M69B(D) - long barrel  
81 mm



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## Mortar 81 mm M69B(D) - long barrel

The Mortar 81mm M69 is an accompanying infantry weapon, which is rapidly and simply set in firing position.

It is used:

- for destruction of manpower and firing positions in open field and in defilades
- for firing at the targets posted on rear slopes, ravines and craters
- for destruction of the wire obstacles
- for blinding of the observation posts and illumination of the battlefield



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### Specifications

Range:

Maximum	5426 mtr
Minimum	85 mtr

Barrel caliber 81 mm

Field of action in elevation 45° - 85°

Field of action in azimuth:

With fixed bipod	± 3°
With displacement of bipod	360°

Masses and lengths:

Weapon in fire position	47.1 kg
Barrel with breech ring	16.6 kg
Bipod	13.5 kg
Baseplate	16 kg
Sighting device	0.7 kg
Barrel length with breech ring	1750 mm
Barrel length	1450 mm

Rate of fire:

With correction of firing elements	20 r/m
Without correction of firing elements	20 - 25 r/m

Number of crew 4 or 2 if necessary

Max. working pressure of powder gasses 610 Bar





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Light Mortar  
M69A  
82 mm



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## 82 mm Light mortar M69A

Light mortar 82 mm M69A is a light-weight infantry supporting weapon. It is used for neutralization and destruction of manpower and firing points in open field and in delilados. It is well suited to engage targets in gullies and shell craters.

The mortar can be used to breach wiring obstacles and to blind enemy observation posts.

Illuminating ammunition is also available.

Light mortar 82 mm is characterized by low mass of 45 kg, simple and reliable construction, considerable range of 6050 m and other features not available in earlier designs. It can be fired in all kinds of terrain and it uses all types of 82 mm mortar shells. Azimuth and elevation devices are of screwed type.

Sighting device NSB-3 uses collimator and division of 1/6000 or 1/6400.

For night-time firing, it is provided with illuminated aiming point. The graduation and bubble levels are coated with tritium and are clearly visible at night.

### Specifications

Barrel caliber	82.14 mm
Barrel length	1 200 mm
Maximum range	6 050 m
Rate of fire, up to	20 - 50 shells/min
Vertical field of action	45° - 85°
Horizontal field of action:	
with fixed bipod	± 3°
with displacement of bipod	360°
Mortar mass	45 kg
Barrel with breech ring mass	14.5 kg
Bipod mass	14 kg
Base plate mass	15 kg
Spares, tools & accessories set mass	5 kg
Barrel man pack carrier mass	4.4 kg
Bipod man pack carrier mass	2.25 kg
Base plate carrier frame mass	2 kg
Ammunition box carrier mass	2.1 kg
Mortar shell box mass	2.8 kg
Maximum bore pressure	630 Bar





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Light Mortar  
M75  
120 mm



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# Light Mortar 120 mm M75

Light 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.

Light mortar 120 mm M75 is appropriately used by infantry battalions.

There are two models of the 120 mm mortar.



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## Specifications

Barrel caliber	120 mm	
Barrel length	1 503 mm	
Barrel length with base cap	1 690 mm	
Ranges	Max.	Min.
with rocket-assisted shell and connected motor	9 056 m	-
with rocket-assisted shell and disconnected motor	5 813 m	271 m
with light HE shell	6 340 m	275 m
with heavy HE shell	5 551 m	300 m
Maximum barrel elevation	85°	
Minimum barrel elevation	45°	
Mortar mass in traveling position	263 kg	
Mortar mass in firing position	177 kg	
Mortar mass, incl. breech ring	65 kg	
Base plate mass	86 kg	
Bipod mass	25 kg	
mass of complete carriage	84 kg	