

The Mortar Company.



hirtenberger
Defence Systems

CLOSE THE GAP

M6 | 60 MM MORTAR

A lethal, high fire power
long range mortar in 60 mm
calibre for maximum reliability
in extra ordinary conditions

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The M6 mortar has been redesigned from the standard version to satisfy the needs of Special Forces. For a quick setup in position, no special bedding is required as the recoil will be absorbed by a specially designed damping system. The M6 features high firing capacity, high accuracy and quick and easy operation.

BIPOD

The newly designed bipod carries the barrel clamp, the gears and the shock absorbers, which have been enlarged for better damping in extreme conditions. The elevating gear together with the other adjusting gears constitutes an optimal ergonomic solution. The results are: easy handling during employment and aiming, easy training of personnel and trouble-free operation on all types of terrain. All gears are sealed against dust and water.



BASE PLATE

The base plate is drop-forged and made of a high-strength aluminium alloy with reinforcing ribs. The design combines low weight with high stability so that the base plate is able to withstand highest impact stresses.

SIGHTING SYSTEM

The Mortar Sight R08 is used for the indirect aiming of mortar in azimuth and elevation. For setting the elevation of the mortar, the sight has the ballistic data of the ammunition integrated on a metal plate. Several exchangeable metal plates, containing the ballistic data, the angle of elevation for each range in meters, of each type of mortar ammunition like HE, SMK or ILL is available.

Within the sight a permanent MIL scale is integrated.

With this ballistic plates the operator can adjust the mortar elevation according to range estimations or range measurements without additional ballistic calculations in the field. Vial levels are mounted on the housing.

All files and bubbles illuminated by LED's are enable the user to operate 24 hours, powered by two AA batteries directly on the sight.

BARREL AND BREECH CAP

The forged barrel made out of high-strength special steel has a smooth bore. The barrel of the M6 mortar is additionally fixed between bundles to prevent it from sliding at extreme loads. Pre-adjustment of elevation is possible due to four different pre-set positions. The muzzle end is tapered on the inside to facilitate loading of bombs. The breech cap seals the barrel at the rear and serves as bearing of the barrel in the base plate. A slanting threaded hole with tapered sealing face is provided for holding the firing pin. Due to its inclined position, the firing pin with partially hardened point can be replaced in all mortar positions or retracted in case of misfire.

CONVERSION KIT

As a speciality, we offer a conversion kit, which can transform the 60 mm bipod mortar easily into a commando mortar within 2 minutes. The conversion kit consists of a handgrip with trigger and baseplate, an aiming device and carrying belt. In the Commando version, it may be used up to charge 3.



Quick change System:
The quick change system allows to change the base plates in less than 10 sec without tools.



TECHNICAL DATA

Calibre
Max. range*
Commando version**
Max. rate of fire
Max. operating gas pressure

M6 – 640

60 mm
2872 m
1921 m
30/min
55 MPa

M6 – 895

60 mm
3610 m
2100 m
30/min
60 MPa

M6 – 1000

60 mm
3933 m
2401 m
30/min
60 MPa

Weights:

	M6 – 640	M6 – 895	M6 – 1000
Total	22.1 kg	23.0 kg	23.5 kg
Barrel	4.6 kg	5.5 kg	6.0 kg
Bipod	12.7 kg	12.7 kg	12.7 kg
Base plate	4.8 kg	4.8 kg	4.8 kg

Dimensions:

	M6 – 640	M6 – 895	M6 – 1000
Length of barrel (overall)	742 mm	984 mm	1092 mm
Ballistic length	640 mm	895 mm	1000 mm
Diameter of base plate	351 mm	351 mm	351 mm

* with Hirtenberger HE Mk2 charge 6, except M6-640 (charge 5)

** limited to charge 3

Due to continuous technical improvement this product is subject to modification

Range scale: The aiming device comprises a range scale in metres for Hirtenberger HE-type mortar bombs (charge 0, 1, 2, and 3), Hirtenberger ILL-type bombs (charge 1, 2, and 3) as well as an elevation scale in MILS.

Day



Night



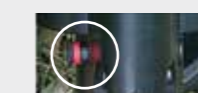
IR visible



Safety lock: Enables the user to move with a round in the barrel.

Included: Rectangular shaped base plate, especially for use on soft ground.

Firing position



Safe position

