



M6C 60MM COMMANDO MORTAR

The KERAMETAL M6C 60mm Commando mortar is a front loaded, high angle fire weapon, designed for firing of all range of 60mm bombs (explosive, smoke, incendiary and illuminating). The high trajectory permits the acquisition of targets unable of being engaged by direct fire weapons, whereby targets can be at a distance from 150 to 1 920 m. Over short ranges the Commando mortar can be slung over the shoulder, for longer distances it can be carried along with ammunition in a single carrying rack.

GAIN THE ADVANTAGES

- » **EXTREMELY LIGHT WEIGHT, HENCE PORTABLE**
- » **HIGHEST OPERATION SAFETY**
- » **MINIMUM DISPERSION IN THE TARGET AREA**
- » **SUITABLE FOR SPECIAL OPERATIONS IN DIFFICULT TERRAINS**
- » **COMPATIBLE WITH ALL TYPES OF 60MM MORTAR BOMBS**



M6C COMMANDO MORTAR TECHNICAL DATA

The KERAMETAL M6C 60mm Commando mortar is a front loaded, high angle fire weapon, designed for firing a range of bombs.

| M6C 60MM COMMANDO MORTAR | M6C-640 |
|----------------------------------|--------------------|
| Calibre | 60 mm |
| Max. range | 1 921 m |
| Max. rate of fire | 30 rounds per min. |
| Max. operating gas pressure | 300 bar (30 MPa) |
| Weight | 5,7 kg |
| Weight of bag with auxiliaries | 2,8 kg |
| Ballistic length | 640 mm |
| Overall length (barrel complete) | 820 mm |



- *Ruggedised Mortar Computer*
 - Internal GPS
 - Touch screen
 - Surveys calculation options
 - Fire planning functions
 - Ammunition stores



- *Accessories and Ammunition*
 - Spare parts available with each gun
 - Tools and accessories as a part of mortar package for basic maintenance
 - 60mm NATO qualified mortar rounds included:
Practice, High Explosive, Smoke, Illuminating

ONE SYSTEM, NUMEROUS MISSIONS



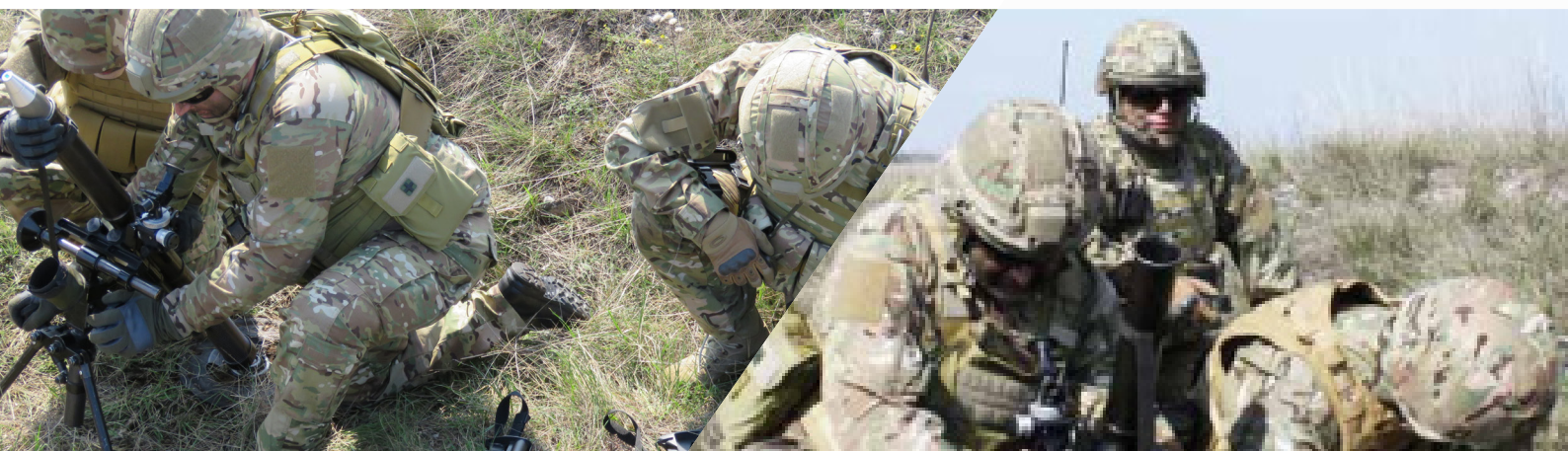
M6 60MM MORTAR

The KERAMETAL M6 60mm bipod mortar is a front loaded, high angle fire weapon, designed for highest operation pressures. The possibility to use mortar bombs with different numbers of propellant charge increments results in adaptive shell trajectories regarding range and position of the target and therefore also the possibility of fighting targets positioned behind a cover. The mobility of the KERAMETAL M6 60mm mortar is assured by light weight carrying racks.

GAIN THE ADVANTAGES

- » **QUICK AND SIMPLE HANDLING IN CRITICAL SITUATIONS**
- » **COMPREHENSIVE RANGE OF AMMUNITION**
- » **HIGH ACCURACY SIGHTING UNIT**
- » **EFFECTIVE FIRE CONTROL SYSTEM**
- » **MAN PACK AUXILIARY FIELD EQUIPMENT INCLUDED**

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M6 MORTAR TECHNICAL DATA

The KERAMETAL M6 60 mm mortar system is a portable lightweight weapon that offers a high rate of fire combined with unmatched precision and mobility.

| M6 60MM MORTAR | M6-895 | M6-1000 |
|----------------------------------|--------------------|--------------------|
| Calibre | 60 mm | 60 mm |
| Max. range | 3 610 m | 3 933 m |
| Max. rate of fire | 30 rounds per min. | 30 rounds per min. |
| Max. operating gas pressure | 600 bar (60 MPa) | 600 bar (60 MPa) |
| Overall weight | 23,0 kg | 23,5 kg |
| Weight of barrel | 5,5 kg | 6,0 kg |
| Weight of bipod | 12,7 kg | 12,7 kg |
| Weight of base plate | 4,8 kg | 4,8 kg |
| Overall length (barrel complete) | 984 mm | 1 092 mm |
| Ballistic length | 895 mm | 1 000 mm |
| Base plate diameter | 351 mm | 351mm |



- *Ruggedised Mortar Computer*
Internal GPS
Touch screen
Surveys calculation options
Fire planning functions
Ammunition stores

- *Accessories and Ammunition*
Set of spare parts & tools for easy operation & service
60mm NATO qualified mortar rounds included:
Practice, High Explosive, Smoke, Illuminating



PERFORMANCE THROUGH EXPERIENCE



M8 81MM MORTAR

The KERAMETAL M8 81mm mortar represents the backbone of mortar support operations, to assure immediate back up of fighting forces and to fight enemy units, either seated or airlanded. With the objective to fight a mechanised enemy, the system achieves considerable effect together with anti tank weapons, by smoking or illuminating the battle area. This significantly reduces operational strategy and advance of enemy forces and at the same time increases the effect of own anti tank weapons.

GAIN THE ADVANTAGES

- » **SYSTEM OPTIMISED TO MEET HIGHEST TACTICAL AND LOGISTICAL DEMANDS**
- » **COMPATIBLE WITH ALL AVAILABLE 81MM MORTAR BOMBS**
- » **ADVANCED DESIGN OF BIPOD FOR MAXIMUM ACCURACY**
- » **HIGH FIRE CAPACITY AND MAXIMUM RELIABILITY**
- » **EASY OPERATION AND HANDLING**

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M8 MORTAR TECHNICAL DATA

The KERAMETAL M8 81mm mortar represents the backbone of mortar support operations, to assure immediate back up of fighting forces.

| M8 81MM MORTAR | M8-1165 | M8-1365 |
|----------------------------------|--------------------|---------------------|
| Calibre | 81 mm | 81 mm |
| Max. range | 5865 m | 6 669 m |
| Max. rate of fire | 30 rounds per min. | 30 rounds per min. |
| Max. operating gas pressure | 900 bar (90 MPa) | 1 000 bar (100 MPa) |
| Overall weight | 38,6 kg | 40,2 kg |
| Weight of barrel with breechcap | 13,3 kg | 14,9 kg |
| Weight of bipod | 12,8 kg | 12,8 kg |
| Weight of base plate | 12,5 kg | 12,5 kg |
| Overall length (barrel complete) | 1 280 mm | 1 480 mm |
| Ballistic length | 1 165 | 1 365 mm |
| Base plate diameter | 547 mm | 547 mm |



- *Ruggedised Mortar Computer*
 - Internal GPS
 - Touch screen
 - Surveys calculation options
 - Fire planning functions
 - Ammunition stores

- *Accessories and Ammunition*
 - Set of spare parts & tools for easy operation & service
 - 81mm NATO qualified mortar rounds included:
 - Practice, High Explosive, Smoke, Illuminating



HIGH FIREPOWER MEANS MISSION SUCCESS



M12 120MM MORTAR

When engaging enemy mechanised forces, the KERAMETAL M12 120mm mortar provides excellent coverage of the battlefield, allowing all weapon systems to effectively engage the enemy forces within the lethal area. This support greatly enhances the effectiveness of friendly force weapons (especially anti armour), and directly reduces the effectiveness of the enemy forces. M12 120mm mortar meets all current NATO requirements for the modern battlefield.

GAIN THE ADVANTAGES

- » **SYSTEM OPTIMISED TO MAXIMALLY REDUCE MORTAR DEPLOYMENT TIME**
- » **COMPATIBLE WITH ALL TYPES OF 120MM MORTAR BOMBS**
- » **ADVANCED GUN DESIGN PROVIDES EXCELLENT ACCURACY**
- » **MAXIMUM RELIABILITY COMBINED WITH HIGH FIRE CAPACITY**
- » **STATE OF THE ART MOBILITY**

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M12 MORTAR TECHNICAL DATA

When engaging enemy mechanised forces, the KERAMETAL M12 120mm mortar provides excellent coverage of the battlefield, allowing all weapon systems to effectively engage the enemy forces.

| M12 120MM MORTAR | M12-1385 | M12-1535 |
|----------------------------------|--------------------|---------------------|
| Calibre | 120 mm | 120 mm |
| Max. range | 8 800 m | 9 100 m |
| Max. rate of fire | 15 rounds per min. | 15 rounds per min. |
| Max. operating gas pressure | 2 00 bar (200 MPa) | 2 000 bar (200 MPa) |
| Overall weight including trailer | 637 kg | 650 kg |
| Overall firing position weight | 252 kg | 265 kg |
| Weight of barrel | 82 kg | 95 kg |
| Weight of bipod | 50 kg | 50 kg |
| Weight of base plate | 120 kg | 120 kg |
| Overall length (barrel complete) | 1 750 mm | 1 900 mm |
| Ballistic length | 1 385 mm | 1 535 mm |
| Base plate diameter | 1 100 mm | 1 100 mm |
| Length / width of trailer | 3 700 / 1 780 mm | 3 700 / 1 780 mm |



- *Ruggedised Mortar Computer*
Internal GPS
Touch screen
Surveys calculation options
Fire planning functions
Ammunition stores



• *Barrel and breech cap*

Forged high strength ESR special steel barrel
Forged breech plug screwed directly into the barrel
Specially developed sealing ring with high gas tightness
Triggered or fixed firing mode available
Safety lever included to avoid inadvertent firing

• *Sighting unit*

NATO standard Dovetail
Modular system
Day - Night - IR

• *Bipod*

Newly designed buffer springs made of stainless steel
The only 120mm bipod that guarantees zero position after each shot
Stainless steel gears sealed against dust and water

• *Base plate*

Designed for highest stability in all terrains
Welded steel pod with six ribs / vents
Withstand highest impact stresses

- *Trailer, Accessories and Ammunition*

Unique design of trailer allows firing with mortar within 45 seconds
Set of spare parts & tools for easy operation & service
120mm NATO qualified mortar rounds included:
Practice, High Explosive, Smoke, Illuminating