

Bulldog 60mm / 81mm Mortar Kit Information Paper

Bulldog Tactical 75th Ranger Regiment Mortar Kit

Part Number: MOR-KIT

NSN: 8465-01-605-2256

BLUF: The goal for 60/81mm Mortar Kit is to increase the Warfighters individual capability on the battlefield. The 60mm Mortar Kit will leverage new technology to improve an existing system to provide small unit weapons with improved efficiency over current systems at reduced weight, while providing equivalent lethality.

This product information paper is on the Bulldog (60/81mm Mortar Kit). This will increase the Warfighters effectiveness while improving survivability. The 60mm Mortar Kit allows total equipment integration from the various configurations possible with the Multiple Single Round Pouches that are designed to hold a total of (18) 60mm Mortars or (10) 81mm Mortars, 60 or 81mm Mortar Tube Mounted to the Rail Frame, the ability to carry the Large Mortar Plate, Mortar Computer Pouch, the Rail Frame allows this equipment can be integrated and is MOLLE (Modular Light weight Load carrying Equipment) compatible. When the equipment is mounted on a pack frame it allows for uncompromised load distribution. The Bulldog 60mm Kit are 75% lighter than what are issued, improved accessibility and greater security regarding the ammunition and the base plate. The ammunition is readily accessible allowing for rapid reloading of the weapon system it supports. With the Bulldog 60/81mm Mortar Kit the AG and Gunner will can carry all the necessary accessories to support the weapon system. Warfighters currently comment that the current method to carry needed ammunition and accessories negatively impacts survivability and mission accomplishment, as the Warfighter must be exposed to enemy fire for extended periods of time utilizing current packing system to gain access to needed weapon accessories before the weapon system is operational

The 60mm Mortar includes:

Item Descriptions

- 1. (2) Bulldog Rail Pack Frames (6oz Lighter than Alice Pack!)**
- 2. (3) Pairs of Shoulder Straps**
- 3. (2) Waist Belts**
- 4. (1) 60 MM Mortar Tube Retention Straps**
- 5. (18) Single 60 MM Rd Carriers (Mortars are kept in the Tootsie)**
- 6. (1) 10 Rd 60 mm Plastic Reinforced Mortar / Base Plate Carrier (Mortars are kept in the Tootsie)**
- 7. (1) M65 Mortar Ballistics Computer Pouch**
- 8. (2) Accessory Pouch**
- 9. (2) Hydration Pouch**
- 10. (1) Heat Shield Mitt**
- 11. (2) Jacket Pouch**
- 12. (2) 2 Day Pack**
- 13. (1) 60 mm Mortar Cover (used to cover the mortar system when assembled)**
- 14. (1) Linear Range Scale Cover**
- 15. Spare Parts Kit / Plastic Accessories:**
 - (6) Quasms**
 - (6) 1" inch Male Fast Tacks**
 - (6) Female Split Bars**
 - (12) 1 inch Triglides**
 - (3) Feet 1/4" Black Bungee Cord**
 - (3) feet 1 inch webbing**

The 81mm Mortar includes:

Item Descriptions

- 1. (2) Bulldog Rail Pack Frames (6oz Lighter than Alice Pack!)**
- 2. (3) Pairs of Shoulder Straps**
- 3. (2) Waist Belts**
- 4. (1) 81 MM Mortar Tube Retention Strap**
- 5. (10) Single 81 MM Rd Carriers (Mortars are kept in the Tootsie)**
- 6. (1) M65 Mortar Ballistics Computer Pouch**
- 7. (2) Accessory Pouch**
- 8. (2) Hydration Pouch**
- 9. (1) Heat Shield Mitt**
- 10. (2) Jacket Pouch**
- 11. (2) 2 Day Pack**
- 12. (1) 81 mm Mortar Cover (used to cover the mortar system when assembled)**
- 13. (1) Linear Range Scale Cover**
- 14. Spare Parts Kit / Plastic Accessories:**
 - (6) Quasms**
 - (6) 1" inch Male Fast Tacks**
 - (6) Female Split Bars**
 - (12) 1 inch Triglides**
 - (3) Feet 1/4" Black Bungee Cord**
 - (3) feet 1 inch webbing**

Advantages of the Bulldog 60/81mm Mortar Kit include:

- **Soldiers can rapidly reload the mortar resulting in an acceptable firepower while in contact with the enemy.**
- **Soldier movement in restrictive terrain is improved due to a better integration and distribution of weight of the weapon accessories**
- **The improved integration of the 60/81mm mortar accessories with the use of the molle integrated pouches will improve direct fire lethality to the unit of action. The overall goal of Bulldog Equipment's 60/81mm Mortar Kit is to increase Warfighter's lethality and survivability on the battlefield by providing integration with the current accessories which make for rapid weapon deployment.**

The disadvantages with the current method of carrying machine gun essential items are:

- The current Warfighter weapon accessories lack integration capability on any Back-Pack Frame or MOLLE.
- Therefore, individual pieces of equipment must be carried
- Without better integration of this equipment there is a decrease in effectiveness during engagements through reloads procedures which removes the unit's most casualty producing weapons from the close fight.

Bulldog Equipment has integrated a new (Patented) system allows for the extreme weight of the accessories not to be a factor with the current Army Issue MOLLE System. Bulldog's MOLLE design is 75% lighter. This was accomplished by using a single layer of 3/4" webbing, removal of the plastic stiffener and the permanent mounting of a stamped metal 3/4" Tri Glide from Bulldog Equipment. This allows for the webbing to be locked in place preventing accessory movement.

The 60/81mm mortar ammunition pouches are designed around the dimensions of the 60/81mm 6 mortar tootsie (Never remove the round from the tootsie and place independently in the pouch). Therefore, depending on your unit's preference, you can choose between carrying 18-28, 60/81mm mortar rounds.

The current issue 60/81mm mortar sling and accessories are ineffective in Load Distribution and Rapid Access of Ammunition. The ease of use and rapid access of Bulldogs 60/81mm Mortar Kit allows for multiple configurations, extreme ease of use, proper load distribution and compatibility with current issued molle gear. The 60mm Mortar Kit comes with a variety of spare hardware which will allow for personalized equipment placement and repair in the field of all plastic components.

Bulldog 60/81mm Mortar Kit will provide lethality enhancements to all dismounted units including: Infantry, Heavy, and Stryker Brigade Combat Teams (SBCT), as well as Combat Support (CS) and Combat Service Support (CSS) organizations. The 60mm Mortar Kit will provide other joint services with weapon accessory capability not currently matched by any equipment currently provided or commercially available. The 60/81mm Mortar Kit will aid small units, under the

control of maneuver companies and battalions, to dominate conventional or asymmetrical threats in close combat through increased mobility and increased efficiency.