

81mm Mortar Ammunition

Proven reliability with superior performance

baesystems.com/munitions



BAE SYSTEMS

About Us

At BAE Systems, we provide some of the world's most advanced, technology-led defence, aerospace and security solutions. We employ a skilled workforce of over 110,000 people in more than 40 countries.

In an age of change and increasing uncertainty, where threats are escalating, technology is playing an essential part in our lives.

Our role is critical in helping our customers and partners stay ahead, from delivering innovations that provide military advantage, to offering services and support solutions that maintain, enhance and extend the life of vital military assets.

Why Us?

We are proud to equip the British Armed Forces and international customers with a range of products, including:

- Small arms ammunition
- Medium calibre ammunition
- Mortar ammunition
- Artillery ammunition
- Naval ammunition
- Advanced weapons

Our munitions have been proven in every possible environment, over many decades, with our specialist engineers working in partnership with our customers, to continually make performance improvements.

Our 81mm Mortar Ammunition

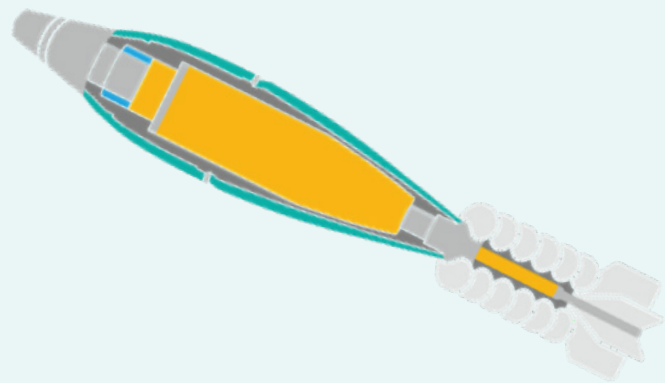
Our 81mm mortar ammunition delivers a battle-proven area effect. It can be used in a range of mortar weapon systems and delivers consistently high performance, underpinned by a Mk4 charge system in all products.

Our 81mm Mortar Ammunition

L41 High Explosive (HE) Mortar

- Highly accurate, giving enhanced fragmentation, whilst keeping a low weight and high range
- This product and previous models have been used by the British Army for many years

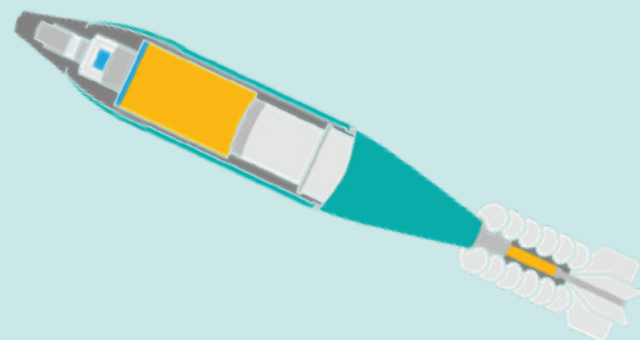
Overall length	482mm
Total weight	4.2kg
Net explosive content	0.9kg
Filling type	RDX/TNT
Propellant	Double base in the primary cartridge and single base in the augmenting cartridges
Fuze type	Standard NATO fuze cavity. The bomb has been qualified with a number of fuzes. L171 (DM111) and M734 currently in service with UK MOD
Max range	5675m
Fragment radius	550m
Qualification status	Qualified and in service



L58 Infra-Red (IR) Illuminating Mortar

- Illuminates the battlespace when used with night vision equipment, providing troops with operational advantage, without giving away their position
- In service with the British Army

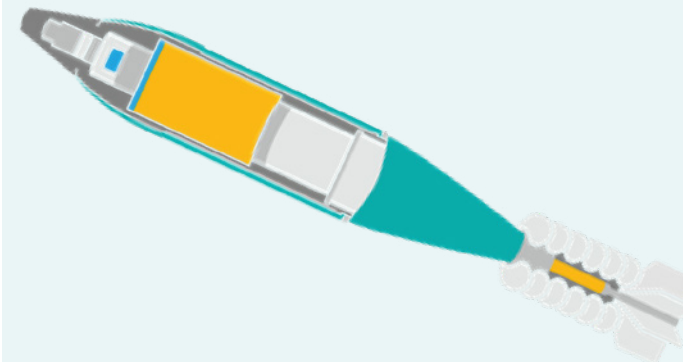
Overall length	651mm
Total weight	4.5kg with charge system
Net energetic content	0.84kg
Filling type	Illuminating composition
Propellant	Double base in the primary cartridge and single base in the augmenting cartridges
Fuze type	Standard NATO fuze cavity. The bomb has been qualified with a DM93 fuze
Max range	4800m
Burn time	120sec
Qualification status	Qualified and in service



L54 Illuminating Mortar

- Based on an air burst, split body design, the illuminating round gives a light rated at one million candela and burn time of 35 seconds
- The wide arc of light gives troops optimum time to spot hostile forces
- Currently in service with armed forces world-wide

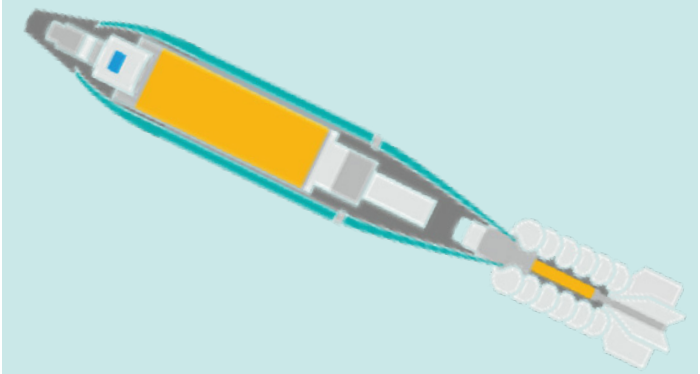
Overall length	651mm
Total weight	4.5kg with charge system
Net energetic content	0.84kg
Filling type	Illuminating composition
Propellant	Double base in the primary cartridge and single base in the augmenting cartridges
Fuze type	Standard NATO fuze cavity. The bomb has been qualified with a DM93 fuze
Max range	4800m
Burn time	35sec
Intensity	1 million candela
Qualification status	Qualified and in service



RO 04-04 Red Phosphorus Smoke Mortar

- Developed to give longer lasting and more effective smoke production
- This design uses 36 pellets that disperse and sit above the ground, giving a smokescreen over a wider area
- Currently in service with armed forces world-wide

Overall length	604mm
Total weight	4.4kg
Net energetic content	1.2kg
Filling type	Red Phosphorus based smoke
Propellant	Double base in the primary cartridge and single base in the augmenting cartridges
Fuze type	Standard NATO fuze cavity. The bomb has been qualified with a DM93 fuze
Max range	5300m
Effective smoke	60sec
Qualification status	Qualified and in service





Engineering the Future

Staying one-step ahead of the enemy is key on the modern battlefield. Having the right equipment, in the right place, at the right time is essential to provide advantage.

Our world-class scientists and engineers are continually pushing the boundaries, to deliver a tactical edge.

We provide the highest quality, cutting-edge products, to equip those who protect us.

