

60 mm Mortar Bomb **HEI 60C** High Explosive Incendiary

NSN:1310-50-001-5721(AF610)

NSN:1310-50-001-5722(AF622)

Performance:

The **HEI 60C** (High Explosive Incendiary) Mortar Bomb features the best fragmentation and blast effects, making it extremely efficient.

- Highly efficient pre-fragmented steel body provides min 420 pcs. fragments with a weight of 0.5 g each;
- The pre-fragmented steel body is plastic coated, guarantees safer handling and storage of the ammunition;
- The fin stabilizer is made of plastic for increasing the life of Mortar tube;
- The Mortar bomb is loaded with high-energy brisant explosive and incendiary charge for max lethal effect with lower volume and weight of the Charge.
- The incendiary action of the Mortar Bomb is intended for distant ignition of environment of enemy's fire points located in long-term emplacements, long-term camouflaged emplacements, bunkers, dugouts and buildings, transport means and light-armored materials.
- This Mortar Bomb is fused
 - AF610 (Point detonating, super quick action, boresafe type, muzzle safety distance 40 m).
 - AF622 (Point detonating, super quick action, boresafe type) fuze.

Weapon compatibility:

The Mortar Bomb **HEI 60C** is intended to be used with any type of smooth bore 60 mm Mortars of NATO Standard:

- COMMANDO Mortar M60CMA;
- M60MA;
- M2 and M19;
- BRANDT model 35;
- Tampella;
- Thompson Houston – Hotchkiss – Brandt Commando;
- M-57;
- M6H and M6C Hirtenberger;
- Commando CX1-M Expal;
- etc.;
- and designed for fighting uncovered enemy manpower, as well as unarmored means of transportation.



60 mm Mortar Bomb HEI 60C

TECHNICAL CHARACTERISTICS	HEI 60C
Caliber, mm	60 mm
Body material	Steel, pre-fragmented, plastic coated
Length of fuzed Mortar Bomb, mm/in	250 mm / 9.8 in
Weight fuzed, kg/lbs.	1.05 kg / 2.3 lbs.
High Explosive Incendiary Composition type	HEIC
Weight of Payload, HEIC, kg/lbs.	0.2 kg / 0.4 lbs.
Number of fragments in weight 0.5 g, pcs	420
Highest Max Pressure, bar (piezo)	290 (0+2)
Fuze AF 610 arming distance, m	not less than 40 m
Operating Temperature Range, °C/°F	from -40°C to 50°C / -40°F to 122°F

BALLISTIC DATA	HEI 60C
Maximum Pressure, bar (piezo):	250 (0+2)
Max Range, m/yd	2,347 (0+2) m / 2566 yds.
Maximum Muzzle Velocity, m/s	203 (0+2)
Class of explosion hazard:	1.2E, UN 0321

PACKING Version 1	
One fuzed Mortar Bomb with 2 pcs. increment charges is packed in a Plastic Airtight Container;	24 pcs. containers are arranged in a plastic airtight case.
Plastic case dimensions, mm/in	616 x 522 x 182 mm / 24.2 x 20.5 x 7.1 in
Case weight, kg/lbs.	35 kg / 77.1 lbs.
Case volume, m ³	0.0585 m ³

PACKING Version 2	
One fuzed Mortar Bomb with 2 pcs. increment charges is packed in a Plastic Airtight Container;	22 pcs. Containers are arranged in a wooden case.
Plastic case dimensions, mm/in	600 x 325 x 260 mm / 23.6 x 12.8 x 10.2 in
Case weight, kg/lbs.	35 kg / 77.1 lbs.
Case volume, m ³	0.051 m ³