

60 mm Mortar Bomb ILL 60C Illuminating

NSN: 1310-50-001-7484

Performance:

The 60 mm Illuminating Mortar Bomb **ILL 60C** is intended for artificial illumination of the target area for the purposes of reconnaissance, firing, supporting the fire of the anti-tank means, and for performance of other tactical actions on the battlefield by providing overhead illumination.

- The payload of the bomb is a movable illuminating system consisting of a parachute system and an illuminating flare.
- After the ejection of the illuminating system over the target, flare descent is smooth and slow due to the parachute system, and its spiral motion provides maximum illuminating effect during the whole time of flare burning.
- Average flare burning time is 35 seconds with a brightness of 250,000 candela (cd).
- This Mortar Bomb is fuzed with:
 - MTSQ DM 93-2 (Mechanical time and superquick) fuze.

Weapon compatibility:

The Mortar Bomb **AD 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.

Do not fire the ILL 60C
with Ignition Cartridge only.



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TECHNICAL DATA	ILL 60C
Caliber, mm	60
Body material	Aluminum alloy
Length of fuze, mm/in	310 mm / 12.2 in
Weight fuze, kg/lbs.	1.2 kg / 2.6 lbs.
Payload	Illuminating pyrotechnical composition with parachute
Illumination power, cd	250 000 cd
Average flare burning time, s	35 seconds
Operating Temperature Range, °C/°F	from -40°C to 50°C / -40°F to 122°F

BALLISTIC DATA	(WITH 640 MM BARREL COMMANDO)
Maximum Pressure, bar (piezo):	290 (0+2)
Max Range, m/yd	2,347 (0+2) m / 2566 yds.
Maximum Muzzle Velocity, m/s	190 (0+2)
Class of explosion hazard:	1.2G, UN 0171

PACKING Version 1	ILL 60C
One fuze Mortar Bomb with 2 pcs. increment charges is packed in a Plastic Airtight Container;	22 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.	36 kg / 79.3 lbs.
Case volume, m ³	0.0585 m ³

PACKING Version 2	ILL 60C
One fuze Mortar Bomb with 2 pcs. increment charges is packed in a Plastic Airtight Container;	10 pcs. Containers are arranged in a wooden case.
Plastic case dimensions, mm/in	420 x 400 x 216 mm / 16.5 x 15.7 x 8.5 in
Case weight, kg/lbs.	24 kg / 52.9 lbs.
Case volume, m ³	0.036 m ³