



vFAB-250-2

General Purpose Aerial Bomb, 250kg



Purpose:

The vFAB-250-2 is a demolition-fragmentation aerial ballistic bomb used for annihilation and neutralization of objects (located on the surface or buried under the ground) by controlled detonation of an explosive charge. Destruction is achieved primarily by shock wave and secondarily by fragments, formed by the bursting of the steel mantle of the bomb.

The bomb can be used as unguided or as warhead of guided aircraft bombs.

The bomb is aerodynamically shaped and during the flight on its ballistic path it is stabilized by rotation, determined by means of stabilizer fins.

The bomb is general purpose, intended for bombing from adequate aircraft of NATO and RUSSIA standards and from the plane of light aviation under specific conditions.

Bomb consists of:

- Body with explosive charge
- Conical fin
- Two suspension lugs
- Separate tip for bomb configuration with aft fuze only
- Protective transport plugs
- Packaging for transport and storing

General characteristics:

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|------------------------------------|---------------------------------------|
| • Body length without conical fin | 1538 mm without tip / 1605mm with tip |
| • Length with conical fin | 2136 mm without tip / 2233mm with tip |
| • Warhead diameter (max) | 274 mm |
| • Conical fin span | 384 / 273 mm |
| • Distance between suspension lugs | 355.6 mm (14") |
| • Warhead weight | 215 kg without tip / 218 kg with tip |
| • Gross weight with conical fin | 224 kg without tip/227 kg with tip |
| • Mass of explosive charge | 87 kg |
| • Explosive type | TNT, Comp B or TRITONAL |
| • Flight speed at bombing | 130 - 300m/s |

Short description:

- The bomb possesses the ability to be loaded onto an aircraft weapon carrier which can carry a standard payload (not less than 250 kg) and with a rack suspension hook distance of 355.6 mm (14 inch) or 250 mm.
- The bomb can be armed with two fuzes of NATO standard (front and aft).
- It can be used with basic or modern aiming systems.
- Assurances are provided that the crew and airplane are secured from the bomb during adjustment, transport, and deploying.
- The bomb functions in a temperature range of -40°C to +70°C.
- Servicing of the bomb is carried out with standard weaponry platforms, lifts and tools.
- All the parts of the bomb are protected with their corresponding covers.
- Minimal life-span, provided it is stored in a temperature range between -40°C to +70°C and 100% humidity, is 20 years. Inspections should be carried out every 5 years.

