

Iron Sting

120mm guided mortar munition



Operational needs of the modern battlespace require precision strike capabilities to support maneuvering tactical combat units, with an independent and fast-fire network for immediate response. Elbit Systems Land's guided mortar munitions (GMM), address the needs for high precision and cost-effective advanced munitions that comply with the demand for high lethality and effectiveness with low collateral damage and deliver first round accurate fire.

Elbit Systems™

Land

Iron Sting

120mm guided mortar munition

High precision advanced weapon solution

The Iron Sting 120mm GMM offers a range of 1.5-10km, depending on the mortar tube. Three modes of operation, GPS/IMU, SAL+GPS/IMU and SAL+IMU, ensure robust capabilities in all battlefield scenarios. Iron Sting features a warhead with blast and fragmentation effect, a seeker laser sensor capable of operating with standard pulse (NATO STANAG 3733) and encoded CW laser diode (lightweight and low-cost, suitable for small drones and UAVs). The fuze offers three modes of operation: Point Detonation (PD), Point Detonation Delay (PDD) and proximity sensor (PROX). Mission loading time is 15 seconds and no meteorological data is required.

Technical Specifications

General	
Weight	16.2kg
Length	950mm
Range	1.5-10km (depending on the mortar system)
Guidance	GPS / GPS+SAL / SAL ONLY
Seeker/Sensor	Stiff neck CMOS dual-mode (compatible with STANAG 3733)
Accuracy	CEP 50% < 10m (GPS) CEP 50% < 5m (SAL)
Propellant System	Up to 5 charges
Warhead	10.8kg (Fragmentation & Blast)
Temp. Limits	-32...+71°C for storage -20...+63°C for firing
Fuze modes	PD/PDD/PROX

Key Features

- Dual-operation advanced guided mortar bomb
- High precision low-cost munition – down to 5m CEP
- No targeting required – first bomb on target every time
- Autonomous Fire Control (FC) – no change to existing FC required, suitable for heavy vehicle applications (MBT, IFV)
- Fired from smoothbore 120mm standard mortar
- No maintenance required



Elbit Systems Land

E-mail: land@elbitsystems.com www.elbitsystems.com

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