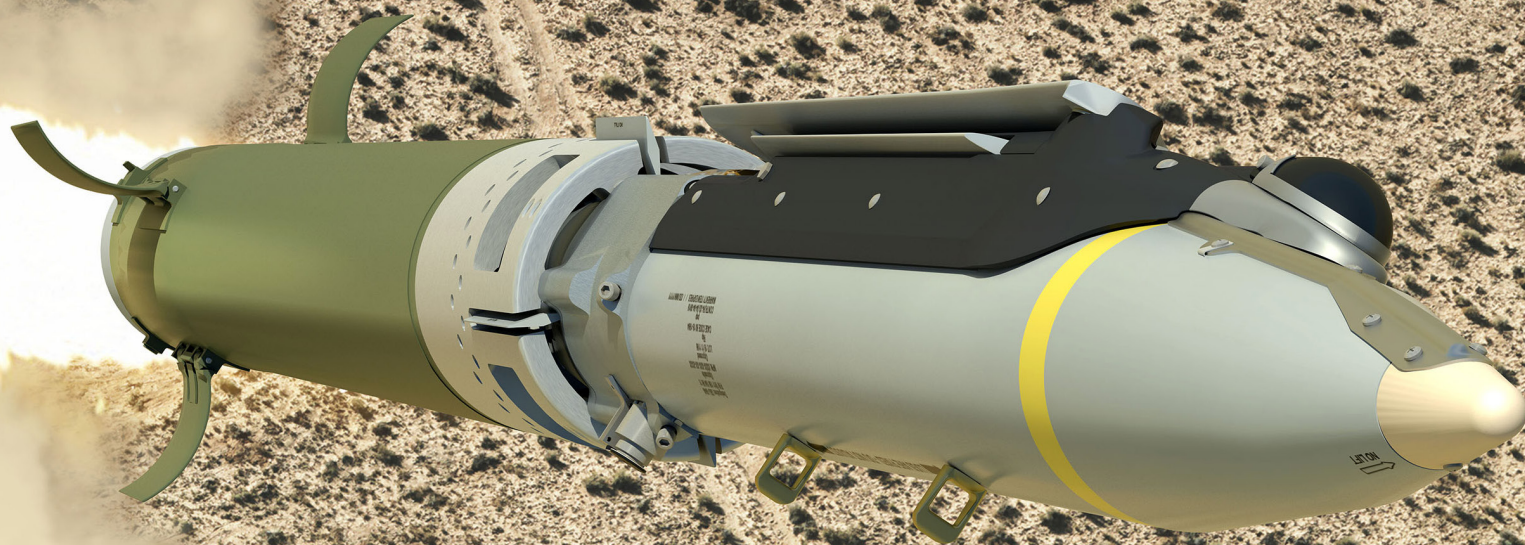




Ground-Launched Small Diameter Bomb
(GLSDB)



LONG RANGE PRECISION FIRES

Rapid. Versatile. Effective. Affordable.

Ground-Launched Small Diameter Bomb

Affordable Long Range Precision Fires Solution

The Ground-Launched Small Diameter Bomb (GLSDB) will provide the warfighter with a long-range, precision fires weapon capable of conducting reverse slope engagements and defeating targets ranging from hardened facilities to soft-skinned assets. With a 360-degree target engagement ability, GLSDB provides commanders and planners with a highly flexible weapon which complements existing ballistic trajectory weapons.

GLSDB builds upon Boeing's highly successful Small Diameter Bomb Increment I (SDB I) and existing Multiple Launch Rocket System rockets. The SDB I is a 250-pound class weapon with an Advanced Anti-Jam Global Positioning System aided Inertial Navigation System, combined with a multipurpose penetrating blast-and-fragmentation warhead and a programmable electronic fuze.

More than 10,000 SDBs have been built at Boeing's award-winning, modern production facility in St. Charles, Missouri. Since the first SDB delivery in April 2005, every single weapon has been delivered on time and at cost.

Ground Launched SDB will provide the warfighter:

- Increased range
- Highly accurate
- All angle, all aspect attack – even targets behind the launch point
- Multiple rocket, multiple target, near simultaneous impact
- All weather, 24/7 availability
- Terrain avoidance, such as mountains
- Cave breaching capability
- Launches from hidden or protected positions to avoid detection
- Programmable fuze provides impact and delay fuzing for deep penetration or proximity height-of-burst
- SDB Focused Lethality Munition (FLM) variant is also an option for low collateral damage Laser SDB variant provides moving target capability

General Characteristics–GBU-39A/B

Key Performance Factors

- Standoff distance greater than 40 nautical miles
- Close Air Support (CAS)
- Increased load-out for more targets per sortie
- Designed for minimal collateral damage

Dimensions

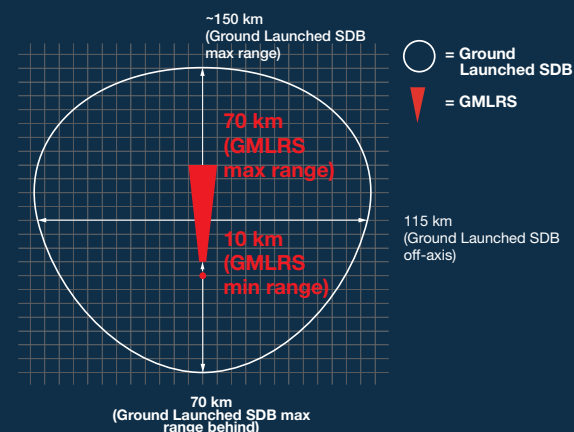
- Size: 71 in. (L) x 7.75 in. (H) x 7.5 in. (W)
- Weight: 285 lbs.
- Wingspan: 63.3 in. (open), 7.5 in. (stowed)

Airframe

- Warhead: Penetrating blast fragmentation
- Weight: 205 lbs. 4340 steel cylindrical case with conical-shaped nose
- Explosive Fill: 36 lbs. Insensitive Munition Certified
- Fuse: Integrated Electronic Safe/Arm Fuse System (ESAF) Impact and Delayed
- Settings with Height of Burst Sensor

Guidance Set:

- Inertial Navigation System (INS)/Global Positioning System (GPS)
- Anti-jam and Selective Availability Anti-Spoofing Module (SAASM)
- Advanced Core Processor Two (ACP 2) Module



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