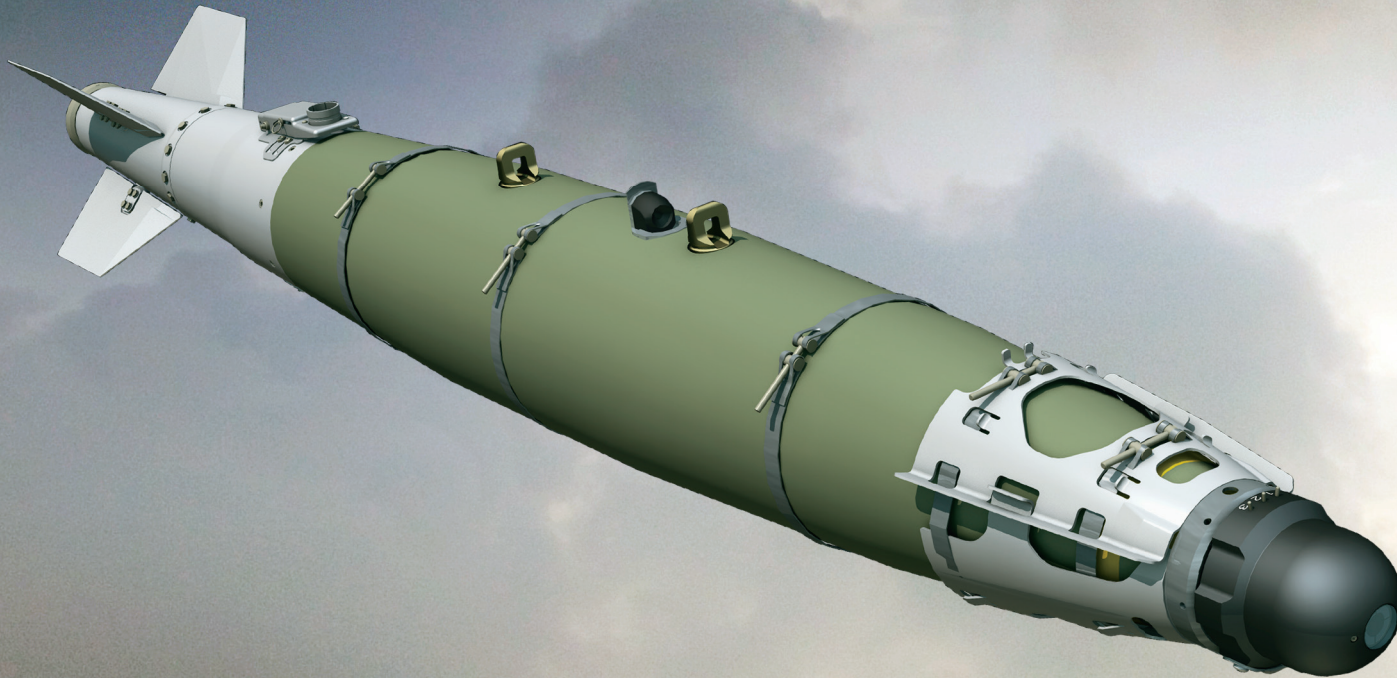




Laser Joint Direct Attack Munition  
(Laser JDAM)



# ACCURACY REDEFINED

Built on a Legacy of Proven Performance



## Laser Joint Direct Attack Munition (Laser JDAM)

# Combat Proven. Flexible. Precise.

Boeing's Joint Direct Attack Munition (JDAM) is a low-cost guidance kit that is attached to existing unguided free-fall bombs, converting them into satellite guided, precision "smart" weapons. JDAM's modular design has allowed Boeing to make these smart bombs even "smarter" with the addition of the DSU-38 Laser Sensor. Pilots can now prosecute moving, relocatable and maritime targets with a high degree of accuracy and reliability.

Laser JDAM is combat proven and flexible and can:

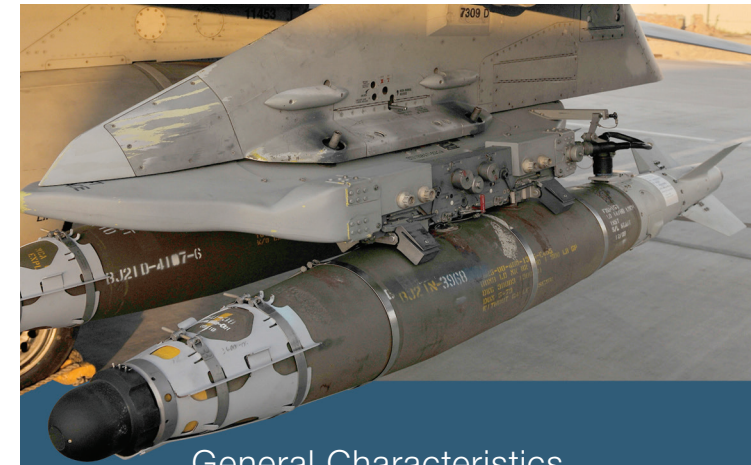
- Prosecute moving, relocatable or maritime targets
- Deliver precision weapon effects
- Employ during day or night operations
- Select targeting and weapons effect in the cockpit
- Be easily integrated and installed

Laser JDAMs have been proven to be highly accurate against moving targets since impact coordinates are updated in flight. Dropped like a

conventional JDAM, it will glide up to 15 miles towards the target using updates from Global Positioning System (GPS) satellites. The weapon will guide itself to the target's coordinates in terminal flight, using laser energy to correct those coordinates, creating a precise impact – even if the target is maneuvering at highway speeds.

Integration of the laser sensor to JDAM is affordable, field-installable, and virtually risk-free, since no aircraft software modifications are required. It can also be used with other upgrades such as the Extended Range (JDAM ER) wing set that triples JDAM's range to greater than 40 miles.

The DSU-38 Laser sensor has been fully integrated on the 500-lb JDAM, GBU-38 to become the GBU-54. GBU-54 has been extensively combat-proven by the U.S. Air Force, Navy and Marine Corps. Testing and integration of the Laser JDAM sensor onto the 2,000-lb MK-84 JDAM, to become the GBU-56, is nearing completion.



### General Characteristics

#### **GBU-54**

Weapon Weight: USAF=575 lb, USN=591 lb  
Length: 93.7 in.  
Diameter: 17 in.  
Warhead: MK-82, BLU-111, BLU-126, BLU-129  
Weight: 500 lb (225 kg)

#### **GBU-56**

Weapon Weight: USAF=2,120 lb, USN=2,135 lb  
Length: 151.7 in.  
Diameter: 25.3 in.  
Warhead: MK-84, BLU-117, BLU-109, BLU-116,  
BLU-1950, BLU-1915  
Weight: 1,997 lb, 2,013 lb

