

What is GBU-57?

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About GBU-57:

- It is known as the “**Massive Ordnance Penetrator (MOP)**”.
- It is a **GPS-guided, earth-penetrating strike weapon** for use against hard and deeply buried targets.
- MOP is one of the **most powerful non-nuclear bombs in the world**.
- It is **manufactured by Boeing** and **used by the United States Air Force**.
- It is **used to destroy deeply entrenched enemy bunkers** such as those concealing a supply of weapons of mass destruction (WMD).
- **Features:**
 - The bomb is **20.5 feet long** with a **diameter of 31.5 inches**.
 - **Weight: 14,000 kg**
 - The **warhead case is made** from a special high-performance **steel alloy** that can reportedly **penetrate up to 200 feet of concrete**.
 - MOP is **carried by the B-2 Spirit bomber**, which can carry two of the bombs at a time
 - The **bomb is equipped with a delayed-action fuse**, allowing the warhead to survive the impact, not detonating until the bomb has stopped traveling underground.

Q1) What are Weapons of mass destruction (WMD)?

A weapon of mass destruction is a nuclear, radiological, chemical, biological, or other device that is intended to harm a large number of people.

Source: [Amid tensions, US military designs bomb to hit Iran underground nuclear sites | Photos emerge](#)

Source: <https://vajiramandravi.com/current-affairs/what-is-gbu-57/>

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