

Kheybar Shekan Missile

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Kheybar Shekan Missile Latest News

Recently, Iran has been using the Kheybar Shekan missile in complex attacks, proving itself to be an adaptable adversary for the U.S.

About Kheybar Shekan Missile

- It is **Iran's** latest **long-range solid-fuel ballistic missile**.
- The name means "**breaker of Khayber**" in **Arabic**, a reference to the Battle of Khayber in Arab history.
- It is the fourth generation of the **Khorramshahr missile family**.

Kheybar Shekan Missile Features

- The missile is approximately 4 meters long and weighs 1,500 kilograms.
- It has a reported **range** of around **1,450 km**.
- It is **powered** by a **locally developed 'Arond' engine** integrated within its fuel tank to minimise length and enhance camouflage.

- It uses **solid fuel**. This allows for **faster launch preparation**, easier storage, and better concealment, key advantages in modern missile warfare.
- It can be **launched from a mobile platform** and is ready in less than 15 minutes.
- The high-explosive warhead weighs approximately 550 kilograms.
- The missile **operates in three phases: takeoff, mid-flight guidance with rear engines**, and a **final descent** guided by precision engines.
- It uses a **satellite-guided system** and **manoeuvrable** warheads for enhanced precision.
- Its speed is said to reach **19,500 km/h** in the atmosphere and 9,800 km/h outside it, roughly Mach 12.
- Due to this speed, it can **make interception difficult** even for advanced air defence systems.
- The missile's **aerodynamic design**, including the **absence of ailerons**, **reduces air friction** and radar detection, increasing its chances of evading interception.

News: WSI

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