

Dongfeng-17 (DF-17)

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Dongfeng-17 Latest News

Chinese state broadcaster CCTV has for the first time aired footage showing the launch of a Dongfeng-17 (DF-17) hypersonic missile recently.

About Dongfeng-17

- It is a **Chinese solid-fueled medium-range hypersonic ballistic missile**.
- It was officially unveiled in 2019.
- Its **NATO code name** is **CSS-22**.

Dongfeng-17 Features

- It measures around 11 m in length, and weighs around 15,000 kg.
- It is said to have a **range of 1800 km to 2500 km**.
- It is mounted on a **mobile launcher**.
- It carries a **hypersonic glide vehicle DF-ZF (HGV — Hypersonic Glide Vehicle)**.

- Its **operation** is as follows:
 - The **missile** is **launched outside the atmosphere like a classic ballistic missile.**
 - At a **certain altitude**, the **DF-ZF warhead separates.**
 - The warhead **reenters the atmosphere**, but instead of descending in a straight line like ballistic missiles, it **“glides” in the atmosphere with its fins.**
 - **While gliding, it changes direction and maneuvers.** Its speed is approximately **Mach 5-10.**
 - This flight profile allows the vehicle to **remain below radar detection for longer durations** than a ballistic missile covering the same distance.

News: TOI

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