

Otomat Mk2 Mod IV (2008, Teseo Mk2/A)

Guided Weapon

Type: Guided Weapon

Weight: 770.0 kg

Length: 4.46 m

Span: 1.35 m

Length: 4.46 m

Diameter: 0.4

Generation: None

Properties: Home On Jam (HOJ), Terrain Following, Search Pattern, Weapon - INS w/ GPS Navigation, Terminal Maneuver - Pop-up, Level Cruise Flight

Targets: Surface Vessel, Land Structure - Soft, Land Structure - Hardened, Runway

Sensors / EW:

- Active Radar Seeker - (ASM MR, Otomat Mk3) Radar, Weapon Seeker, Active Radar, Max range: 9.3 km
- Passive Radar Seeker - (Otomat Mk3) ESM, Weapon Seeker, Anti-Radiation, Max range: 18.5 km

Weapons / Loadouts:

- Otomat Mk2 Mod IV - (2008, Teseo Mk2/A) Guided Weapon. Surface Max: 305.6 km. Land Max: 305.6 km.

OVERVIEW: The Otomat Mk2 Mod 4 is a long range, turbojet-powered, anti-ship missile equipped with a active radar seeker.

DETAILS: Unlike its predecessor Otomat Mk1, the Mk 4 features a data link, allowing it to receive targeting information from air and surface platforms other than the launcher. It also features improved ECCM features and GPS guidance. These features improve the missile's performance against littoral targets.

After being boosted from its launching platform by two jettisonable solid-fuel boosters, the missile descends to a cruising altitude of 20 meters, using inertial navigation system during the mid-course phase. At a predetermined point from the target the X-band active radar performs a left-right scan search, until the target is acquired. The missile then enters a sea-skimming attack phase. After impact, the 210 kilogram SAP warhead explodes inside the ship with the force of the explosion directed to the bottom of the target ship.

NOTES: Entered Italian service in 2007. The Mk 2 version featured folding wings, increasing the number of missiles that could be carried by a platform. The Otomat Mk2 Mod 4 is also known as the Teseo Mk2/A.

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SOURCES: Wikipedia, the free encyclopedia. "Otomat." Accessed November 3, 2014.
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