

AS-13 Kingbolt [Kh-59] (1985)

Guided Weapon

Type: Guided Weapon

Weight: 760.0 kg

Length: 5.37 m

Span: 1.26 m

Length: 5.37 m

Diameter: 0.38

Generation: None



Properties: Flight Profile - Terrain Following, Weapon - INS Navigation, Flight Profile - Level Cruise Flight
Targets: Surface Vessel, Land Structure - Soft, Land Structure - Hardened, Runway, Mobile Target - Soft, Mobile Target - Hardened

Sensors / EW:

- EO Seeker - (AS-13/18) Visual, Weapon Seeker, TV, Max range: 18.5 km

Weapons / Loadouts:

- AS-13 Kingbolt [Kh-59] - (1985) Guided Weapon. Surface Max: 64.8 km. Land Max: 64.8 km.

OVERVIEW: The AS-13 KINGBOLT (Kh-59 Ovod) is a subsonic, solid fuel, TV-guided, medium-range, air-to-surface missile with a 320 kg shaped charge HE warhead.

DETAILS: The AS-13 Kingbolt was developed to provide a precision standoff weapon capable of operating in heavily jammed environments. It is designed to engage large static ground targets such as bridges and buildings. After launch, the missile uses inertial guidance to navigate to a preset coordinate. At approximately 10 km from the target, the optical guidance system activates. An operator guides the missile to the target. The missile has a CEP of approximately 2 meters.

NOTES: The AS-13 is a direct equivalent to the AGM-142 Popeye. It was operationally used by only the Su-24M Fencer, but is compatible with the Su-17M3/22M4 FITTER, MiG-27, Su-30 and Su-25.

SOURCES: Federation of American Scientists. "Raduga Kh-59 (AS-13 Kingbolt) and Kh-59M (AS-18 Kazoo)." Accessed November 5, 2013. <http://www.fas.org/man/dod-101/sys/missile/row/as-13.htm> ; SinoDefence.com - The Chinese Military in the 21st Century. "Kh-59 Air-to-Surface Missile - SinoDefence.com." Accessed November 5, 2013.

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<http://www.sinodefence.com/airforce/weapon/kh59.asp> ; Air Power Australia. "Soviet/Russian Tactical Air - Surface Missiles." Accessed November 5, 2013. <http://www.ausairpower.net/APA-Rus-ASM.html#mozTocId154704> ; Janes Weapon Systems Vol. 1: Air-Launched, "Kh-59 Ovod (AS-13 'Kingbolt')", 03 Dec 2010.