

AS-17 Krypton D [Kh-31PD, ARM]

Guided Weapon

Type: Guided Weapon

Weight: 650.0 kg

Length: 5.2 m

Span: 1.15 m

Length: 5.2 m

Diameter: 0.36

Generation: None



Properties: ARM Target Memory, Bearing-Only Launch (BOL)

Targets: Radar

Sensors / EW:

- Passive Radar Seeker - (AS-17 ARM) ESM, Weapon Seeker, Anti-Radiation, Max range: 203.7 km

Weapons / Loadouts:

- AS-17 Krypton D [Kh-31PD, ARM] - Guided Weapon. Surface Max: 203.7 km. Land Max: 203.7 km.

OVERVIEW: The AS-17 KRYPTON D (K-31PD) is an air-launched, long-range, high-supersonic, liquid-fuel, ramjet-powered, passive anti-radiation missile (ARM). It carries a 110 kg blast-fragmentation HE warhead.

DETAILS: After launch, the AS-17 is accelerated by its solid-fuel rocket booster to a speed of Mach 1.8. Then the booster is discarded and the interior of the missile is converted into the combustion chamber for the missile's ramjet engine, accelerating the missile to a speed of almost Mach 4.50. The AS-17 uses inertial guidance for the mid-course phase. For terminal homing, it uses an wideband radar receiver to home in on radar emissions.

NOTES: The Kh-31PD version of the AS-17 became operational in approximately 2005. It is a slightly lengthened version of the Kh-31P, with a larger warhead and a significant increase in range. It is used by MiG-27/29K/29SMT, the Su-17/24M/25TM/30MK/35.

SOURCES: Jane's Weapons Systems, Vol. 1: Air-Launched, "Kh-31A, Kh-31P (AS-17 'Krypton'), YJ-91 'Kipper'" 15 Jan 2013; Federation of American Scientists. "Zvezda Kh-31 (AS-17 Krypton)." Accessed November 11, 2013. <http://www.fas.org/man/dod-101/sys/missile/row/as-17.htm> ; Air Power Australia. "Soviet/Russian Tactical Air -Surface Missiles." Accessed November 11, 2013. <http://www.ausairpower.net/APA-Rus-ASM.html#mozTocId784856>.