



01 / PRODUCT OVERVIEW

ALAS

175 mm guided missile ALAS

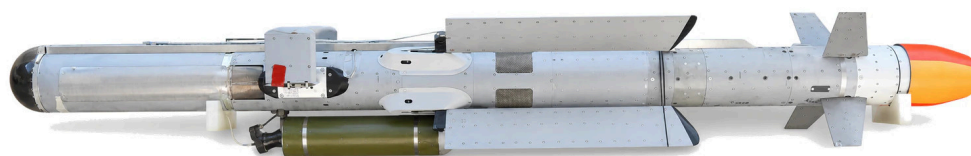


FIG 01 PRODUCT CONFIGURATION

25 km

MAX. EFFECTIVE RANGE

73.10 kg

LAUNCHING WEIGHT

0.175 m

BODY DIAMETER (CALIBER)

2.723 m

TOTAL BODY LENGTH

01.1 / OVERVIEW

A turbojet-sustained guided missile launched from a container by a solid propellant booster, using INS/GNSS mid-course guidance and TV CCD or IIR terminal guidance with contrast/correlation auto tracking, and carrying a tandem-charge HEAT warhead with additional blast fragmentation; it is controlled over a single-mode optical fibre link or an optional two-way C-band radio link.

TYPE
HEATCALIBRE
175 mm**PROCUREMENT AND COMPLIANCE**

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



TECHNICAL DATA

ALAS / AMMUNITION

IDENTITY AND CONSTRUCTION

Body diameter (caliber)	0.175 m
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BALLISTIC PERFORMANCE

Max. effective range	25 km
Min. effective range	4 km
Turbojet Mach number range	0 - 0.8

DIMENSIONS, MASS AND SUPPLY

Total body length	2.723 m
Launching weight	73.10 kg
Weight in flight	59.3 kg



TECHNICAL DATA

ALAS / AMMUNITION

ADDITIONAL TECHNICAL DATA

Wingspan	1.638 m
Sustainer propulsion (type)	TMM-040/RC turbojet engine
Turbojet engine max. net thrust	400 N
Booster propulsion (type)	solid propellant booster engine
Cruising speed	120-150 m/s
Max. flight altitude above sea level	2000 m
Max. axial load	10 g
Max. operational load limit	4 g
Mid-course guidance	INS/GNSS
Terminal guidance	TV CCD/IIR
Auto tracking	contrast/correlation tracking algorithm
Warhead	tandem-charge HEAT with additional blast fragmentation
Safety and arming	safety arming mechanism with proximity fuse
Specific fuel consumption	1.40 kg/daNh
Total engine life	10 h
Booster total impulse	10720 Ns
Booster maximum thrust	6000 N at 15 °C
Communication	single-mode optical fibre, signal loss less than 15 dB
Radio link	C-band, two-way, data rate up to 100 kbps
Homing head	TV CCD or IR sensor on gyro stabilized gimbal