



01 / SYSTEM OVERVIEW

NOVA

NOVA light attack guided missile system



FIG 01 PRODUCT CONFIGURATION

8+ km

MAXIMUM RANGE

26 kg

MISSILE MASS

0.5 km

MINIMUM RANGE

90%

HIT PROBABILITY

01.1 / OVERVIEW

Portable fire-and-forget light attack missile system with 0.5 to 8+ km range, INS mid-course guidance and radio-linked TV/IIR homing, supplied as missile/container, launcher and ground control station and offered with 145 mm or 120 mm shaped-charge or 7 kg free-ball proximity-fuzed warheads.

TYPE

Guided missile system

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

NOVA / WEAPON SYSTEM

DIMENSIONS AND MASS

Missile mass	26 kg
Mass with container	50 kg
Container dimensions	300 x 300 x 1400 mm
Target tracking	Lock-before-launch from 0.5 to 5 km; lock-after-launch by radio link from 0.5 to 8+ km
Launcher mass with two containers and missiles	400 kg
Launcher dimensions with two containers	300 x 700 x 2300 mm
Ground-control-station mass	3 kg
Ground-control-station dimensions	400 x 300 x 60 mm
Ground radio-link mass	6 kg
Ground radio-link dimensions	300 x 300 x 60 mm; antenna 200 x 200 mm

PERFORMANCE AND OPERATION

Maximum range	8+ km
Minimum range	0.5 km
Average velocity	200 m/s

CONFIGURATION AND SUPPORT

Guidance	Mid-course INS; terminal guidance by homing head
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TECHNICAL DATA

NOVA / WEAPON SYSTEM

ADDITIONAL TECHNICAL DATA

Warhead options	145 mm shaped charge, 6.4 kg, more than 1000 mm RHA behind ERA; 120 mm shaped charge, 5.8 kg, more than 800 mm penetration; or 7.0 kg free-ball warhead with proximity fuze
Hit probability	90%
Missile diameter	145 mm
Seeker	Uncooled IIR or TV
Launch profile	Ground role; installable on APC or Jeep
Operating temperature	-35 to +60 deg C
Storage temperature	-40 to +60 deg C
Missile shelf life	10 years
Ground-control-station display	14 in
Ground-control-station type	Vehicle console or ruggedised portable tablet