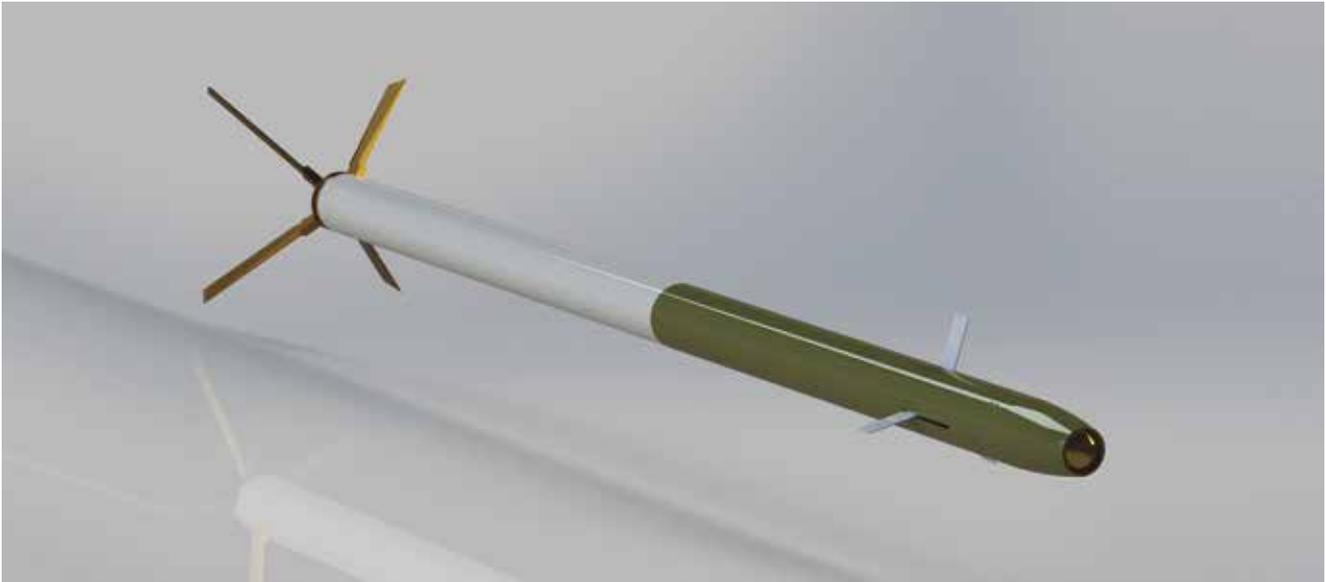


SALK

SEMI-ACTIVE LASER KIT



GENERAL DESCRIPTION

The Semi-Active Laser guidance Kit is a system that guides a rocket in its terminal flight phase, aiming to reach a spot provided by an external laser designator.

The SALK is composed by two main different modules: the Electro-Optical Spot Detection (EOSD) and the Guidance and Control Section (GCS).

The EOSD acts as the main sensor. This module is composed of the Objective for Laser Spot Detection (OLSD), which is the optomechanical set that contains the optical objective for the detection of the laser spot, and the Laser Spot Processor Unit (LSPU), which comprises a segmented quadrant position-sensing detector and the signal processing electronics.

The GCS integrates the electronics, actuators and control surfaces needed to process the information from the EOSD and to modify and correct the trajectory of the rocket in order to reach the objective.

The SALK is designed to be integrated on different rockets with a caliber of 70 mm. In order to keep independence of the rocket it is mounted on, a mechanical adaptor is needed for this purpose.

TECHNICAL DATA

SALK	
Type of system	Guiding kit located in front position for ground-to-ground and 70 mm Artillery Rockets
Operating mode	Maintenance, tactical data insertion and guidance
Positioning system	GNSS (multi-constellation: GPS, Glonass, Galileo) hybridized with INS for mid-course and semi-active laser for terminal guidance.
Autopilot	Owner's guidance system
Flight control	Three adjustable fins controlled by motors
Fuze modes	Super-Quick (SQ), Delayed (D) and Proximity (P)
Precision	CEP < 2m, independent of range
Maximum acceleration	Up to 120 Gs (1-2 s)
Flight speed	Up to mach 3
Power supply	External feed in preparation Power supply with internal batteries in operation



FORWARD THINKING

Driven by a skillful and proactive team, backed by modern and well equipped installations, **ESCRIBANO** is committed to finding cost-effective solutions based on clients' needs, our knowledge and experience.



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