



FGK

DEFENSE DIVISION

FGK is a system that provides guidance for both unguided rockets and artillery shells. In particular, it is intended to be integrated on rockets from 122mm (GRAD) to 300mm and 155mm projectiles, by replacing their original fuze.

FGK integrates the electronics, actuators and control surfaces needed to modify and correct the trajectory of the rocket or projectile where it is integrated on.

In order to operate the FGK, a Ground Control Unit (GCU) is developed. Its purpose is to allow mission planning and communications with FGK.



TECHNICAL DATA

FUZE GUIDANCE KIT

FGK	
Type of System	Guidance kit located in position of fuze for ground-to-ground rockets and projectiles of 155mm.
Operating Mode	Maintenance, tactical data insertion and guidance.
Positioning System	GNSS (multi-constellation: GPS, Glonass, Galileo) hybridized with INS (3m spherical error position).
Autopilot	Owner's guidance system.
Flight Control	Four steerable fins controlled by motors.
Fuze Modes	Super-Quick (SQ) and Delayed (D).
Precision	CEP < 30 m, independent of range.
Maximum Acceleration	Up to 80 Gs (2-3 s) for rockets. Up to 17,000 Gs (5-8 ms) for projectiles.
Flight Speed	Up to mach 3 (rockets). Up to mach 2 (projectile).
Flight Height	Up to 18,000 m (rockets). Up to 11,000 m (projectile).
Weight	1,500 g aprox.
Mechanical Interfaz	Standard mechanical thread for fuzes 2-12UNS-1A).

