

TOLUN-IIR

GPS/INS/IIR GUIDED MUNITION

GPS/INS/IIR GUIDANCE
MAN IN THE LOOP (IIR SEEKER)
AIR TO SURFACE
HIGH ACCURACY
MOVING TARGET
RIPPLE RELEASE
LONG RANGE



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TOLUN-IIR is a GPS/INS/IIR guidance bomb which has the capability of attacking targets within the range of 43 NM using its retarding diamond shaped canards. TOLUN-IIR is a guidance bomb which is high precision hit capabilities and low collateral damage within targets vicinity. TOLUN-IIR, in which the pilot is kept in the loop via POD, is a smart weapon systems through the integration of an Inertial Measurement Unit (IMU), a Global Positioning System (GPS) and an Infrared Seeker.

Main Specifications

- TOLUN-IIR is carried on Smart Pneumatic Quad Rack (SPQR) and the bomb system can be targeted and released against single and multiple targets. Guidance control system is guided by GPS/INS/IIR to self-navigate to desired impact points in all weather conditions.
- With CRPA Antijam antenna, the guidance system resists anti-jamming.
- High delivery accuracy and low collateral damage of TOLUN-IIR support major combat urban operations to destroy strategic targets.
- TOLUN-IIR has folded wings that are employed after release to provide extended range.
- The POD transmits the image signal produced by the Infrared Seeker to the cockpit via the datalink, and simultaneously sends the command inputted by the pilot to the munition. Thus, target can be selected and updated with precision in pilot controlled mode.

Technical Specifications

- Range(Max) : 43 NM (80 km)
- Maximum Altitude : 40.000 ft (MSL)
- CEP : < 3 meter
- Guidance : GPS / INS / IIR
- Target : Static or Moving Target
- Weight : 120 kg
- Diameter : 185 mm
- Length : 1800 mm

Platform

- Potential Platforms : F-16, Akinci, TF-X

