



GROUND-LAUNCHED ALL UP ROUND
MUNITION SYSTEM

#Guidance



GÖKTAN WEAPON SYSTEM
STATE OF THE ART



aselsan

GROUND-LAUNCHED ALL UP ROUND MUNITION

TOLUN S is a long-range all up round ready 250 lb. weapon system capable of being launched from the GÖKTAN ground attack control launcher system. It is integrated with a propulsion system and utilizing INS/GNSS guidance for precise targeting. Especially in areas under the threat of enemy air defense systems, the munition offers a 360-degree engagement capability without putting the aircraft in danger. Upon launch from the ground, the TOLUN S missile separates from its propulsion system once it reaches the optimal altitude for the mission. It then follows pre-planned waypoints, striking the target with high precision at the desired impact angle.

The TOLUN S features an advanced penetration warhead designed to effectively defeat both armored and non-armored targets. Capable of penetrating up to 1 meter of reinforced concrete, the hardened nose cone ensures maximum effectiveness against even the toughest targets. The system offers a delayed initiation mode via a fuse that is equipped with electronic safety and GÖKTAN Fire Control Launcher System programmable functionality, allowing precise control over detonation timing for diverse mission requirements.

With its cutting-edge technology, high targeting precision and offering low collateral damage, TOLUN S provides a reliable solution for a wide range of operational needs.

Main Features

- 360° target engagement capability without blind spot
- High precision and low collateral damage
- Extended range with diamond shaped wings
- In all-weather conditions
- Day/night operations
- Integrated GNS/INS navigation
- Resistant to jamming threat with 4-channel CRPA antijam antenna
- Embedded spoofing resistance software
- Waypoints tracking
- Selectable impact angle in advance
- High reliability and low maintenance

Technical Specifications

- | | |
|--------------------|---------------------------------------|
| • Range | : ≤ 62.1 NM (115 km) |
| • Altitude | : 0- 40.000 ft (MSL) |
| • Accuracy (CEP) | : < 30 ft (10m) |
| • Guidance | : INS/GPS |
| • Warhead Weight | : 105 kg |
| • Carriage/Release | : GÖKTAN Ground Launch Control System |
| • Warhead | : Penetration |

Physical Specifications (without propulsion system)

- | | |
|---------------------------|-----------------------------|
| • Weight (including bomb) | : 137 kg |
| • Dimensions | : 1850 mm x 191 mm x 269 mm |
| • Warhead Diameter | : 164 mm |

