

aselsan



ATOM

40 MM HIGH VELOCITY AIRBURST GRENADE

ATOM 40 mm High Velocity Airburst Grenade developed by ASELSAN is a smart ammunition which is capable of being programmed to the exact time of detonation while leaving the barrel. Once fired, the time-programmable fuze starts to count down for detonation at the intended target point. Using a pre-fragmented shell which is optimized for the target set, high hit probability is ensured.

ATOM 40 mm High Velocity Airburst Grenade is programmed via Fire Control Unit which can be integrated to any automatic grenade launcher with just a few modifications to the gun if needed. Fire Control Unit provides the user to see and approve the target, measures the distance to the target and calculates the time required for the ammunition to air burst.

Together with an anti-drone system (capable of detecting, tracking UAVs) and remote weapon station; ATOM 40 mm High Velocity Airburst Grenade offers an effective kinetic attack capability against mini/micro UAVs.

General Specifications of ATOM 40 mm High Velocity Airburst Grenade:

- High Precision Time Programming
- Effective Usage in All Types of Ground Conditions
- Target-Optimized Fragmentation Pattern
- Electronic Self Destruct Function
- High First Hit Probability
- Highly Reliable Safe and Arm Device
- 20 Years Shelf Life

General Specifications of ATOM 40mm Fire Control Unit:

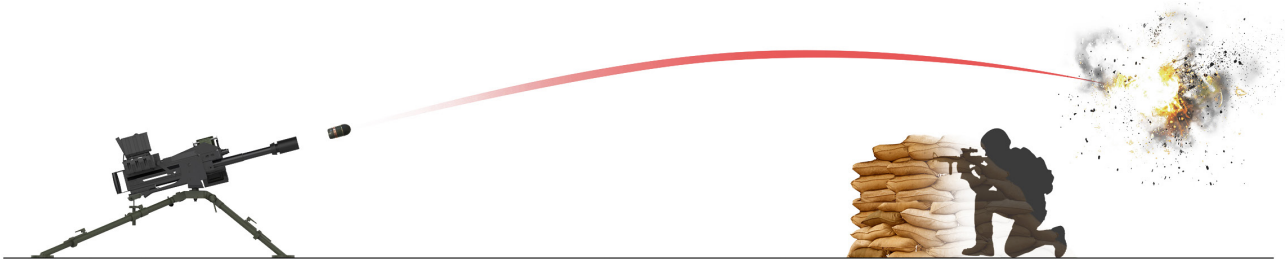
- ATOM 40mm High Velocity Airburst Grenade Programming Capability
- Adaptable to Any Automatic Grenade Launchers
- Ease of Installation/Usage
- Day/Night Vision Capability
- High Precision Ballistic Solution for All Types of Standard 40 mm Munitions (HE, HE-SD, HEDP, TP, etc.)
- High First Hit Probability
- Possible to integrate on Existing Anti-Drone Systems

Technical Specifications:

Caliber	: 40 mm x 53
Project Weight	: 255 g
Muzzle Velocity	: 240 m/s (nominal)
Max. Dispersion	: 1 mils
Number of Fragments	: >1000
Programming Resolution	: 0.5 ms
Kill Radius	: 5 m
Wound Radius	: 15 m
Operating Temperature	: -33°C to +63°C
Storage Temperature	: -46°C to +71°C
Self-Destruction Type	: Electronic
Arming Distance	: 18-40 m
Max. Effective Range	: >1500m for infantry and Land Targets, >500m for Drones
Weapon to be used	: MK19 Mod3, H&K AGL/GMG and Any Standard 40mm Automatic Grenade Launchers

Target Set:

- Mini/Micro Drones
- Targets Hidden Behind Cover/Wall, in Trenches, Inside Buildings/Bunkers/Caves, Behind Corners
- Unarmored Vehicles
- Dismounted infantry



Automatic Grenade Launcher



Anti-Drone System