

# 40MM LOW VELOCITY AIR BURSTING MUNITION SYSTEM



GREATER FIREPOWER, HIGHER LETHALITY & PRECISION

# GREATER FIREPOWER, HIGHER LETHALITY & IMPROVED ACCURACY

ST Engineering's 40mm Low Velocity Air Bursting Munition System (LV ABMS) comprises:

- 40mm Air Bursting Munition (ABM)
- Programming Unit (PU)

The LV ABMS is easily adaptable for use on existing 40mm low velocity grenade launchers such as the STK 40GL, HK69A1, M203, M79, AG36, MK13, M320A1 and Milkor and Rippel Effect MGL.

## Air Bursting Munition

ST Engineering's 40mm LV ABM is uniquely different from conventional 40mm ammunition. Using a programmable time fuze technology, the time to detonation is computed and programmed into the round's time fuze after the round exits the muzzle.

The timer in the fuze counts down to zero, detonates at the intended spatial point and showers the target with a cloud of lethal fragments. The round is highly effective against defilade targets, troops in the open, under cover behind buildings, windows and in bunkers. The ammunition can also be programmed to burst right in front of an armoured vehicle to destroy the optical equipment on the vehicle.

The ABM fuze can be programmed for point impact or air bursting modes, and has a self-destruct capability.

The fuze has no shelf life limiting components such as batteries, improving its reliability.

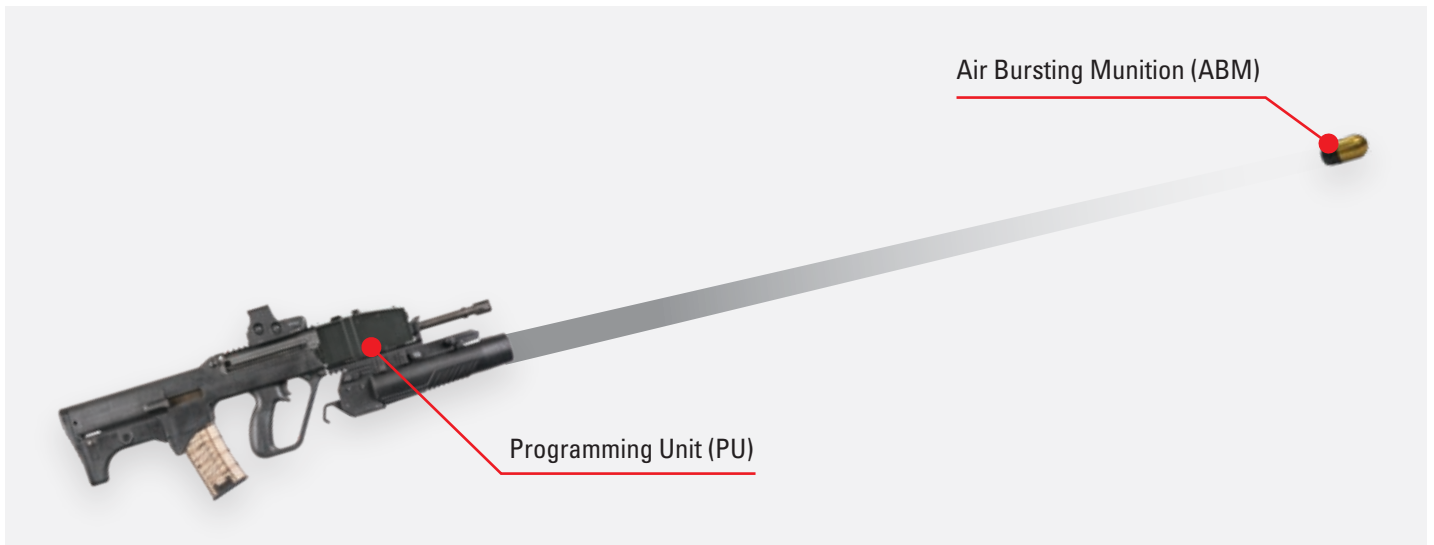
## Programming Unit

Comprising a laser range finder and a ballistics computer, the PU automatically computes the firing solution after lasing the target. When the round is fired from the grenade launcher, the PU sensor detects the projectile leaving the muzzle and programmes the time of burst onto the projectile's fuze based on the data computed by the PU.



Troops in defilade terrain





**Easy Installation**

The LV ABMS is a simple system that is easily adaptable to most 40mm Low Velocity grenade launchers. As programming of the round is done after the round leaves the muzzle, the only equipment needed to be fitted on the weapon is the PU. The PU is easily attached to the weapon via a MIL-STD-1913 rail, making it ideal for weapons with 40mm under barrel grenade launchers.

**Safe**

The ABM round has a built-in self-destruct feature which ensures detonation even in the unlikely event of a programming error, or upon impact on soft ground terrain such as snow and mud, effectively preventing duds.

**Easily mounted on existing under barrel grenade launchers**



SAR21 with 40GL



M4 / M203



Troops behind window/bunkers



Optical equipment on top of vehicle

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## TECHNICAL SPECIFICATIONS

		<b>LV ABM HE S403</b>	<b>LV ABM F&amp;B S402</b>
<b>40mm LV ABM Round</b>	Calibre	40 x 46 mm	40 x 46 mm
	Length	104 mm	104 mm
	Weight	240 g	240 g
	Primer Type	Percussion	Percussion
	Warhead / Charge	Fragmentation / Comp A5	Flash & Bang / Report Charge
	Fuze	Programmable Time Fuze	Programmable Time Fuze
	Safe and Arm	Mechanical and Electronic	Mechanical and Electronic
	Arming Distance	14 m to 28 m	14 m to 28 m
	Operating Temperature	-40°C to +63°C	-40°C to +63°C
	Hazard Classification	1.1E	1.3G
	UN Number	0006	0430
	Maximum Range	400 m	400 m
<b>Programming Unit</b>	Weight	350 g	350 g
	Dimensions	95 mm x 45 mm x 60 mm	95 mm x 45 mm x 60 mm
	Laser Range Finder	500 m	500 m
	Interface	MIL-STD-1913 rail	MIL-STD-1913 rail

*Note: Specifications are subject to change by the manufacturer without prior notice.*

