

Vehicle Launched Scatterable Antitank System

VLSAS installation on Alvis Stormer (UK Shielder system)

FACT SHEET



A modular, Reliable, Highly Effective Antitank System

The Vehicle Launched Scatterable Antitank System (VLSAS), an adaptation of the U.S. Volcano system, permits rapid deployment of antitank minefields. Highly modular, it is adaptable to helicopters and a wide variety of wheeled and tracked vehicles.

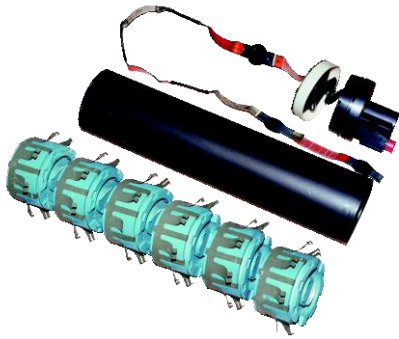
The VLSAS dispensing system consists of antitank munitions, launcher racks (full and/or half), a launcher interface platform, and an electronic fire control system.

The Shielder shown above employs two full racks (capacity: 40 munitions each) and two half racks (capacity: 20 munitions each), with the half-launcher racks capable of swiveling rearward for lane closure. The Shielder arrangement also allows munition reloads to be carried on board.

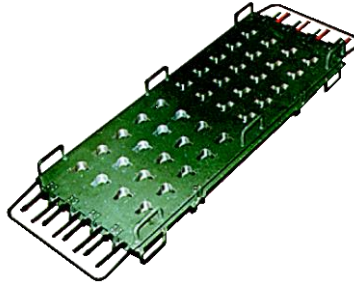
Mounting hardware for all host vehicles is designed for quick installation and removal, enabling the host vehicle to be used for other missions.

All system applications are capable of quickly emplacing antitank minefield barriers hundreds of meters long.

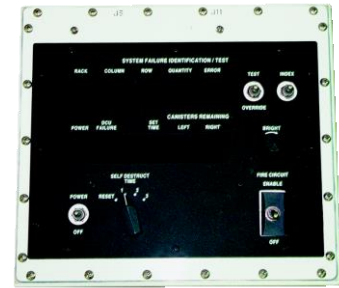
Vehicle Launched Scatterable Antitank System



Munition



Launcher Rack (full)



Display Unit

Key Benefits

- Completely reliable self-destructing antitank munitions
- Rapid emplacement anywhere a host vehicle can travel
- Simple, rapid reloading
- Quick and easy installation and removal of launcher from host vehicle
- Reloadable inert canisters for realistic and economical training
- Onboard storage of additional canisters for expedient reloading (vehicle dependent)
- Dual position, rear half racks for minefield lane closure (vehicle dependent)

Hardware Configuration

Mounting hardware is unique to each vehicle application. The usual configuration includes four full-launcher racks or two full and two half racks.

Other combinations are available, including a single half rack suitable to a HMMWV-sized vehicle and a single canister man-portable version. The fire control system deploys variable density barriers over a wide range of vehicle speeds and provides munition firing at one of three self-destruct settings.

Performance Characteristics

The Vehicle Launched Scatterable Antitank System, a derivative of the type-classified and fielded U.S. Volcano system, offers proven performance features:

- Reliability and Safety — Extensive testing, including hundreds of missions and the firing of over 40,000 Volcano canisters, has demonstrated complete reliability and user safety.
- Flexibility — The modular system is adaptable to a variety of host vehicles: tracked, wheeled, and helicopter. It can quickly emplace a highly effective antitank minefield hundreds of meters long and be quickly reloaded to emplace a second minefield.
- Program Status
 - Volcano: Fielded in the U.S. Army
 - Shielder: In service for U.K. Ministry of Defense

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