

Excellence in
Every Launch

SMOKE GRANADE LAUNCHERS



Smoke Grenade Launcher System (76mm)

The NERO Smoke Grenade Launcher System is a rugged, vehicle- and platform-mountable smoke-deployment solution engineered for rapid obscuration and tactical concealment. The baseline launcher employs 76 mm smoke rounds and is configured to deliver reliable area smoke coverage up to **45 m**. The system supports sequential and salvo employment profiles to satisfy convoy, perimeter, and platform-defense mission sets.

KEY CAPABILITIES

- Rapid area obscuration for vehicle and perimeter protection.
- Baseline 76 mm round employment; effective smoke cloud projection up to 45 m.
- Selectable firing modes: single tube, selected group, or full salvo.
- Sequential and salvo firing profiles for tactical flexibility.
- Designed for integration on land and naval platforms; adheres to military mechanical and electrical interface standards.
- Robust construction using corrosion-resistant, high-grade materials; engineered to withstand shock, vibration, and extended environmental exposure.
- Modular launcher arrays configurable to 90°, 120°, 180° or 360° coverage.
- Scalable from small installations to expanded arrays (standard 4–16 launchers; configurable down to 2 or up to 18 with validation and fire-control adjustments).
- Remote operation with manual and automatic modes; operator remains standoff from launcher array.

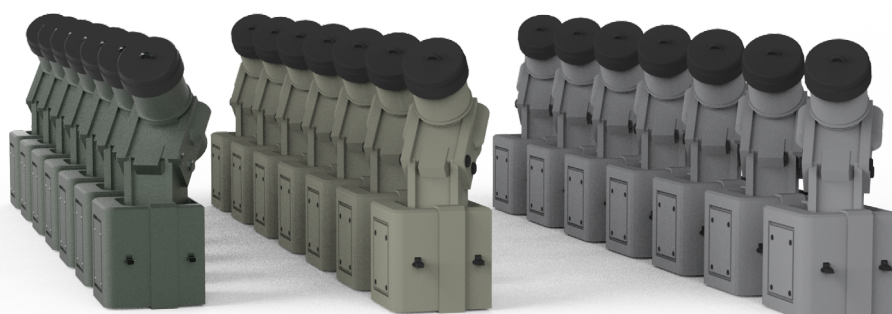
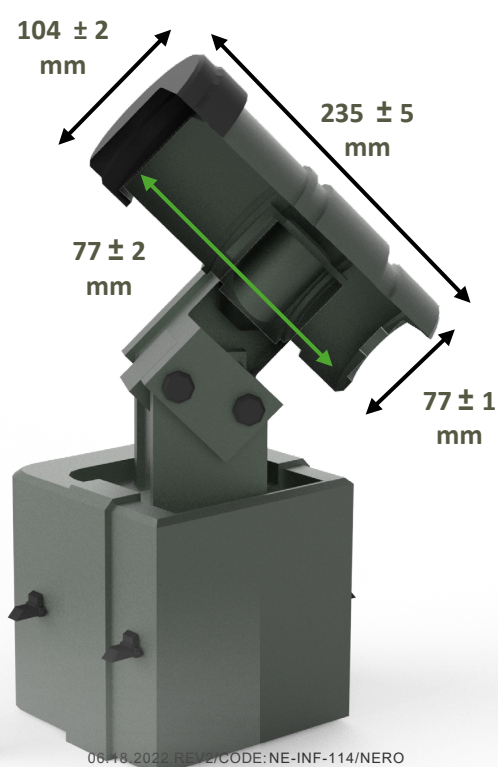
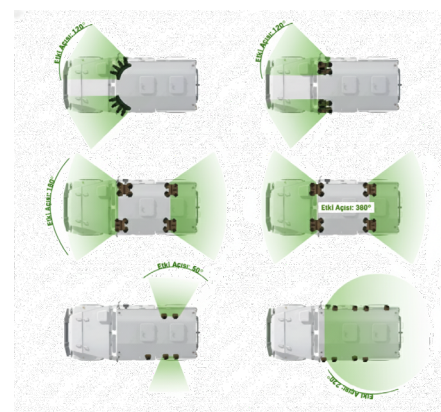
MILITARY STANDARDS

MIL-STD 810

MIL-STD 461

MIL-STD 1275

Item	Specification
System designation	NERO Smoke Grenade Launcher System
Baseline munition	76 mm smoke rounds
Effective smoke coverage	Up to 45 m (area obscuration)
Typical applications	Vehicle concealment, perimeter/compound protection, naval platform obscuration
Firing modes	Single tube, selected tubes/groups, full salvo
Employment profiles	Sequential and Salvo
Launcher count (standard)	4 – 16 launchers
Launcher count (scalable)	Minimum 2 (small configs) — Maximum up to 18 (requires fire-control adjustments & mounting validation)
Protection angles	Configurable: 90°, 120°, 180°, 360°
Construction materials	High-grade, corrosion-resistant alloys/composites
Environmental resilience	Rated for shock, vibration and prolonged environmental exposure
Platform compatibility	Land and naval platforms; military standard mechanical & electrical interfaces
Integration	Plug-and-play support for existing fire-control and power distribution networks
Control unit	Advanced remote control unit (manual & automatic operation)
Operator safety	Remote standoff operation; operator remains clear of firing arc
Human-machine interface	Intuitive control interface for rapid response under stress
Certification / validation notes	Installations above standard launcher counts or non-standard mounts require fire-control calibration and mounting validation



06/18/2022 REV2/CODE: NE-INF-114/NERO