

MISSILE LAUNCHER: LINKAGE EJECTION LAUNCHER (LEL)

Versatile pneumatic missile launcher for high-performance platforms

The L3Harris LEL provides safe carriage and release of AIM-120 missile for high performance airborne platforms.

The LEL provides operators with ease of loading via independent, self-latching hooks and pneumatic extension, enabling efficient loading in constrained or challenging scenarios. It features a robust, departure-controlled ejection capability across its full 9-inch vertical stroke for safe and controlled release.

SPECIFICATIONS

Weight	120 lbs (+2 lbs for pneumatic remote controls)
Dimensions	57 L x 10 H x 10 W in
Ejection Method	Pneumatics – 5,000 psi
Departure-Controlled Piston Stroke	9 in
Store	AIM-120
End-of-Stroke Velocity (AIM-120)	>25 ft/sec



BENEFITS

- > Pneumatic operation eliminates the need for pyrotechnic cartridge maintenance, reducing handling requirements
- > Semi-automatic swaybracing ensures secure store retention, supporting efficient operation and aircraft turnaround time
- > Equipped with a reversible in-flight lock, enabling operational flexibility and a high level of safety during all phases of flight
- > Unique linkage design reduces peak acceleration to approximately 20 g, minimizing force on the payload and platform during ejection
- > Provides payload restraint throughout the ejection stroke, supporting safe and controlled release for internal bay applications
- > Ability to extend the launcher without aircraft power enables easier loading

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