

MISSILE LAUNCHERS: **LAU-142/A**

Battle-proven single carriage missile launcher for high-performance platforms

The L3Harris LAU-142/A is a missile launcher qualified for use on the F-22 Raptor.

The LAU-142/A uses pneumatics boosted by aircraft hydraulics to enable the release of the Advanced Medium-Range Air-to-Air Missile (AMRAAM) from the F-22. It provides a robust, departure-controlled ejection for safe operation within a tight weapons bay, along with simple, self-latching hooks that support efficient missile loading.

SPECIFICATIONS	
Weight	115 lbs
Dimensions	41 L x 15 H x 9 W in
Ejection Method	Pneumatics boosted by platform hydraulics
Departure-Controlled Piston Stroke	9 in
Store	AIM-120
End-of-Stroke Velocity	>27 ft/sec



LAU-142/A



BENEFITS

- > Provides payload restraint throughout the ejection stroke, enabling safe and controlled release from internal weapon bays
- > Optimized weight-to-performance design minimizes deflection, improving reliability and structural efficiency during operation
- > Hydraulic ground extend and retract time of three seconds supports rapid, efficient aircraft turnaround
- > Converts aircraft hydraulic power to pneumatic energy for ejection, leveraging existing onboard power to drive a controlled release

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