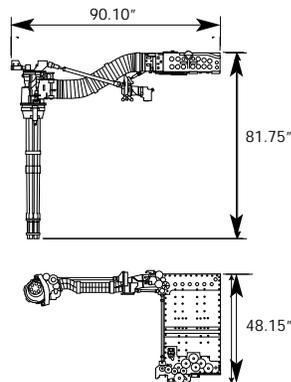
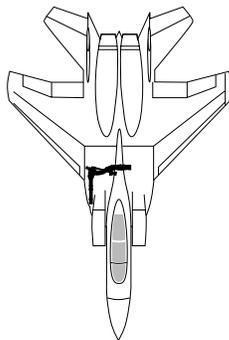


F-15E

20mm gun system



The F-15E is armed with General Dynamics Armament Systems (GDAS) 20mm armament system for air superiority, ground attack and interdiction missions. This fixed, forward firing system is currently in production for concurrent deliveries with F-15E aircraft. GDAS has worked closely with Boeing to produce a new lightweight linear linkless ammunition feed system which offers configuration flexibility and improved ammunition packaging efficiency. These features combine to provide additional space for other aircraft equipment.

The F-15E armament system operates on the same principle as other GDAS 20mm Gatling aircraft systems. The gun is mounted in the aircraft's starboard wing root, aft of the engine inlet. The linear linkless ammunition storage container is mounted in a vertical orientation near the centerline of the aircraft.

Specifications

Weight	
Feed System	236 Lbs
Gun	252 Lbs
Ammunition	282 Lbs
Total	770 Lbs
Firing Rate	4,000/6,000 Shots Per Minute
Ammunition Capacity	500 Rounds
Feed System	Linear, Double Ended, Closed Loop
Drive System	Hydraulic
Ammunition	PGU-28/B SAPHEI, M50 Series, 20mm
Reliability	23,000 MRBF
Scheduled Maintenance	30,000 Rounds
System Life	100,000 Rounds

The GDAS Lightweight Linear Ammunition Feed System provides high reliability and maximum round capacity for the aircraft's allotted space envelope. It is the product of over ten years of research and development and two successful fighter aircraft production linear feed systems: the AV-8B and the GPU-5/A. The F-15E feed system is fully compatible with all M-50 series and the improved PGU-28/B ammunition, as well as GDAS new lightweight M61A2 gun.

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