



F-15E

20mm Gatling Gun System



ARMAMENTS

AIRCRAFT GUNS

OVERVIEW

The F-15E fighter is armed with General Dynamics Ordnance and Tactical Systems' 20mm F-15E Gatling gun system for air superiority, ground attack and interdiction missions. This fixed-forward firing system is currently in production for concurrent delivery with F-15E aircraft.

General Dynamics 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 provide additional space for other aircraft equipment.

The F-15E armament system operates on the same principle as our other 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.

Our 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 our new lightweight M61A2 gun.

SPECIFICATIONS

Gun Type	M61A1, six-barrel, 20mm, externally powered Gatling gun
Weight (total)	769lbs (349kg)
Gun	248lbs (112.5kg)
Feed System	236lbs (107kg)
Ammunition (full)	281lbs (127.5kg)
Rate of Fire	4,000/6,000 shots per minute
Ammunition Capacity	500 rounds
Ammunition Type	M50 and PGU-series ammunition
Feed System	Linear linkless, closed loop
Drive System	Hydraulic

