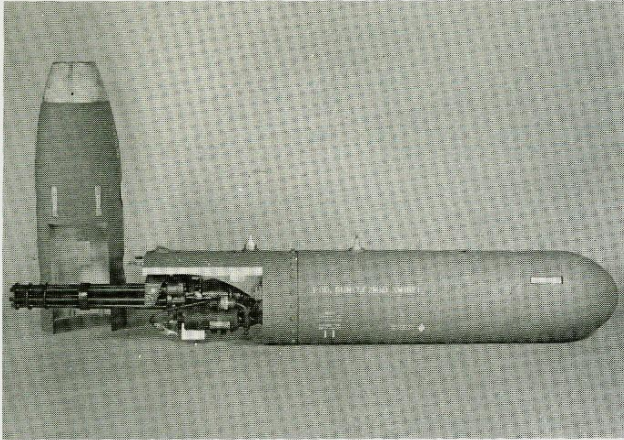




AIRBORNE AND SURFACE GUN SYSTEMS



SUU-11B/A, 7.62mm MINIGUN POD

The SUU-11B/A (XM-18E1), 7.62mm Mini-gun pod supersedes the SUU-11A/A. The gun pod now has dual firing rates. The SUU-11B/A uses either AC or DC power input from the aircraft. The XM-18E1 requires DC power input.

The 7.62mm Minigun pod is externally-stored for use on both high and low performance aircraft. The gun pod offers accurate and concentrated firepower, minimum weight, and high reliability

The pod carries 1500 rounds of ammunition which is 15 seconds of firepower at the high firing rate of 6000 shots per minute and 45 seconds of firepower at the low firing rate of 2000 shots per minute.

The pod utilizes the GAU-2B/A (M134) Mini-gun and a linkless ammunition feed system, both of which are based on proven principles and have been in production and use for many years.

The gun and linkless feed system in the pod are powered by a battery pack located within the pod so that only control voltage and a trickle battery recharge voltage are required from the aircraft.

The pod is designed to MIL-A-8591 and uses 14-inch suspension lugs. Boresighting of the pod is done by adjusting two screws.

The pod is reloaded without the aid of special ground support equipment. Ammunition belted in standard M13 links is loaded into the pod with the MAU-69 A/A delinking loader, which is stowed within the pod structure.

CHARACTERISTICS

COMPONENTS

Gun	GAU-2B/A (M-134), 7.62mm
Feed ...	MAU-57 A/A Linkless Ammunition Feed System
Delinking Loader	MAU 69A/A
Drive	Electric Motor
Pod	Reinforced honeycomb tube; gun mount beam, fore and aft fairings

LENGTH 85 inches

DIAMETER 12 inches

LENGTH/DIAMETER 7:1

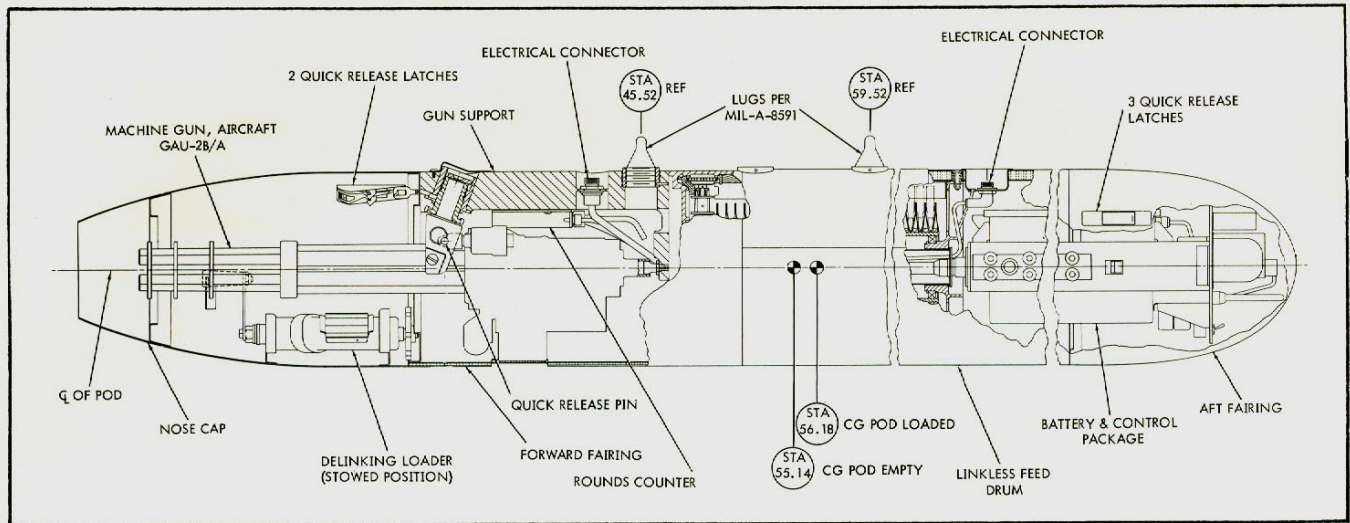
WEIGHT

Loaded	325 pounds
Empty	245 pounds

FIRING RATES (other dual firing rates available)

SUU-11B/A	3000 spm 6000 spm
XM-18E1	2000 spm 4000 spm

AMMUNITION CAPACITY 1500 rounds



CHARACTERISTICS (Cont'd)

MAXIMUM BURST LENGTH .. Full complement
 GUN GAS CONCENTRATION ... Nil, ventilation ports provided

DISPERSION 6.5 mils, 80 percent circle minimum (hard mount), or can be varied to meet target requirements

CASE EJECTION Bottom of pod

LINK EJECTION None, links removed during loading

GUN POSITION IN POD (Firing Barrel)

Elevation +1° 13' to -1° 47'

Azimuth ±1° 30'

RECOIL LOADS

Average at 6000 spm 300 pounds

Peak at 6000 spm 600 pounds

Average at 2000 spm 100 pounds

Peak at 2000 spm 300 pounds

SUSPENSION Per MIL-A-8591; 14-inch double lug

MOMENT OF INERTIA

Pitch 48,408 lb in² loaded;
 42,147 lb in² empty

Yaw 47,765 lb in² loaded;
 41,522 lb in² empty

SWAYBRACE, EJECTION

and CRADLING Per MIL-A-8591

OPERATIONAL ENVELOPE Loading per MIL-A-8591; airspeed to Mach 1.2

AIRCRAFT

COMPATIBILITY... Any aircraft equipped with double-lug (14 inch) external stores rack

ELECTRICAL

Pod Connector MS3114P-12-10P

Connector Location 3 inches ahead of forward lug;
 13.5 inches aft of rear lug

Power Requirements

SUU-11B/A 15 amps, 28 vdc. or 208 vac., 3 phase, 400 cycle, 2 amps per phase.

XM-18E1 15 amps, 28 vdc.

RELIABILITY 35,000 rounds per stoppage (includes gun and feed system)

FOR MORE INFORMATION, WRITE TO:
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 GENERAL ELECTRIC COMPANY
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 BURLINGTON, VERMONT 05401

GENERAL  ELECTRIC