



FL-17



The FL-17 is a Infrared (IR) decoy flare cartridge designed as a direct Form, Fit, and Functional (F3) replacement for the MJU-7A/B. Built around a proven Magnesium-Teflon-Viton (MTV) pyrotechnic composition, the FL-17 delivers equivalent or superior IR decoy performance while meeting all dimensional and interface requirements of the original MJU-7A/B standard. Constructed with a durable aluminum case, the flare houses a high-performance incendiary pellet. Its compact design ensures efficient integration with various flare dispenser systems, including Mohafiz CFD system or ALE-40/45/47 as well as other standard dispensing systems. The FL-17 is deployed using the CT-18 or BBU-36/B impulse cartridge.

Key features

- **Function:** They serve as an infrared countermeasure (IRCM) by emitting a high-intensity heat signature that mimics the aircraft's engines, diverting incoming heat-seeking missiles.
- **MTV flare composition:** The IR-radiating payload uses a Magnesium-Teflon-Viton (MTV) extruded flare grain, ensuring consistent spectral output and burn characteristics
- **IR protection:** Designed to provide effective protection against air-to-air and surface-to-air infrared-guided weapon systems by generating a high-intensity IR signature that diverts heat-seeking missiles from the host platform
- **Reliable ignition system:** Incorporates a reliable ignition architecture that minimises dud rate and post-ejection debris, reducing risk of damage to the host aircraft
- **Consistent burn time and intensity:** MTV grain geometry and composition are engineered to replicate the decoy effectiveness profile of NATO standards.
- **Safe-and-Arm Ignition:** Features a built-in delay sequencer so the pyrotechnic material ignites safely after leaving the dispenser.



Title	Parameter
Weight	380 g (13.40 oz)
Net Explosive Content	270 g (9.52 oz)
Length	205 mm (8 in)
Height/Width	25 x 52 mm (1 x 2 in)
Rim Dimensions	27 x 54 mm (1.06 x 2.13) in)
Outer Case	Aluminium
Hazard class	1.3G
UN Code	0093
Impulse Cartridge	CT-19 or BBU-36A/B (ordered/supplied separately)
IR payload use	MTV
Shelf Life	9 years
Service Life	1 year

