



vAF-M17 and vFI-M17

Aerial Bomb Fuze and Initiator



The fuze is solid state with a powerful micro-controller and it can be used in MK-82, MK-84 and BLU-109 bombs. The fuze vAF-M17 has the same dimensions and functions as the original fuzes: M-904, M-905, FMU-152 and FMU-139.

The fuze vAF-M17 contains an Interrupted Explosive Chain, which means that before arming the fuze is in a "safe" state; the detonator is physically isolated from the explosive contents of the bomb. Through this construction, a very high level of safety is built into the fuze. The fuze is used in multirole fighter aircraft. The minimal bombing altitude is 2000 m and the minimal flight speed is 200 km/h.

The fuze set consists of two devices:

• vAF-M17 body, which may be mounted at the nose and/or tail of the bomb. It contains all the components necessary for the arming and detonation process. vFI-M17 Initiator, this device is mounted on the top of the bomb between the bomb lugs and is connected with either one or two vAF-M17 fuze bodies, mounted in either the nose and/or tail of the bomb. The Initiator is a safety component which provides the necessary conditions to start the arming and detonation process.





The fuze set is developed and produced in accordance with MIL-STD-1316 (Fuze Design, Safety Criteria For) The fuze satisfies the requirements defined in MIL-STD-331D & MIL-STD-810 for:

- Mechanical Shock Tests
- Vibration Tests
- Climatic Tests
- Electrostatic discharge Personnel-borne and Helicopter-borne ESD
- Electromagnetic radiation hazards (HERO), and
- Electromagnet radiation, operational (EMRO)



General characteristics

• Fuze type	Inertial, Electro-mechanical, with a microcontroller, and with Interrupted Explosive		
	Chain.		
• Safety	Guaranteed to not activate under any accidental or unwanted situation. The fuze can be activated only if it is armed and after it has hit its target.		
 Operation mode 	ACTIVE: electrically initiated		PASSIVE: no arming and no detonation
 Impact limit 	Adjustable from 10g up to 200g; Duration of the impact >10ms		
 Arming delay time 	2, 4, 5, 6, 8, 10, 12, 14, 16, 18, 20, 25 seconds.		
 Detonation delay time 	Instant, 0.01, 0.025, 0.05, 0.06, 0.1, 0.18, 0.25, 0.75, 10, 60, 600 and 1000 seconds		
 Accuracy of the arming time 	±	:5%	
 Accuracy of the detonation delay time 		:8%	
• Weight	Fuze: ~ 2kg Ir	nitiator: ~ 0.4kg	
Dimensions	Fuze : 165mm, Ø70 mm Initiator: 68mm, Ø52mm		
 Working conditions 	T= -40°C to +70°C @ 100% humidity		

• Storage conditions T= -55°C to +70°C @ 100% humidity



Should you have any further enquires, please do not hesitate to contact us at **office@yugoimport.com** All the data given in the brochure are for information purposes only. The final configuration and/or technical specification are defined for each contract individually.