Reshef Fuze AR176

Artillery Rocket Electronic Point Detonating Fuze

The AR176 is an Electronic Point Detonating fuze for artillery rocket systems that is widely compatible with all calibers.

Safe  Accurate  Reliable  Delivers Top Performance
AR176 Artillery Rocket Electronic Point Detonating Fuze

Compatibility
With artillery rockets having high explosive (HE) warheads; with calibers of 2.75", 110mm - 300mm.

Arming
Arming of the fuze occurs only after two independent conditions are sensed:
• Set back forces for a minimum duration.
• Sustained air flow through the fuze.

Safety
Set-back: Acceleration of 20g minimum for a duration of 1.2 seconds minimum.
Air Flow: 200m/s minimum.
Arming distance: 500m from muzzle, minimum.
Safety pull wire: There is no use of a safety pull wire.

Power Supply
Air driven (turbine) alternator.

Temperature Conditions
Operation: From -40°c to +63°c
Storage: From -46°c to +71°c

Physical Description
Overall length: 183.5mm
Intrusion depth: 55.0mm
Cross section diameter: 64.0mm
Standard thread size: M45 x 2-6g
Weight: 0.82kg

Note: The dimensions given here are for the 122m rocket version.

Military Standards
MIL-STD-331: Environmental and performance tests for fuze and fuze components.
MIL-STD-1316: Fuze design, safety criteria.
STANAG 4187: Fuzing system - safety design requirements.

Explosive Output
Booster pellet: 21g of CH-6.

About Reshef Technologies
Reshef Technologies obtains three decades of experience in the development, design and production of electronic fuzes for artillery, mortar, tanks, rockets and loitering munitions.

Reshef Technologies is the main supplier of these battle proven fuzes to the Israeli Defense Forces (IDF) - one of the world’s most advanced armed forces.