

ResheFuze AR175

Artillery Rocket Electronic Proximity Fuze

The **AR175** is a Radio-Operated Proximity Fuze. This fuze initiates the artillery rocket warhead above the target, thus maximizing its effectiveness.



Safe



Accurate



Reliable



Delivers Top
Performance



Battle Proven
Electronic Fuzes

AR175 Artillery Rocket Electronic Proximity Fuze

Compatibility

To be used with: high explosive (HE) warheads. The basic fuze is the same for all calibers. Mechanical and explosive adaptors define the fuze for each application.

Operation Modes

Proximity (PRX): Detonates the warhead at optimum height above the target. Point detonating (PD). Also back-up on proximity mode.

Arming

Arming of the fuze occurs only after two independent conditions are sensed:

- Set-back force for a minimum duration.
- Sustained air flow.

Safety

Set-back: Acceleration of 20g minimum for at least 1.2 seconds.

Speed: Must attain speed of at least 200 m/s.

Arming distance: 500m from muzzle, minimum.

Safety pull wire: There is no use of a safety pull wire.

Power Supply

Air driven (turbine) alternator.

Height of Burst

9m above ground target.

Immunity

The fuze is immune to, and will not be activated by; clouds, haze, thunder, sand storms, snow or rain. The fuze is immune to electronic counter measures (ECM). Time delay to be set by cable.

Temperature Conditions

Operation: From -40°C to +63°C

Storage: From -46°C to +71°C

Physical Description

Overall length: 183.5mm

Intrusion size: 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 122mm version of the fuze.

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.



AR175

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.

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