

HALCON

PROXIMITY FUZE - AIRFLOW

LOW - LEVEL

BURST.

HIGH - LEVEL

IMPACT.



An electro-mechanical fuze working on the Doppler Radar effect for activation with astonishing 8 meters of burst height distance.

halcon.ae

S P E C I F I C A T I O N S

FEATURES

This is primarily a proximity fuze, working on the Doppler Radar effect for activation. Height of burst distance is 8m nominally. Once the lanyard pin is removed during release (release consent) the mechanical gates are unlocked. It also has impact detonation as backup, supporting the proximity activation

FUZE TYPE

Designed for Gravity Released Weapons, this electro-mechanical fuze will fit any standard size Mortar interface (60mm, 80/81mm and 120mm calibers).

SAFETY

The fuze relies on two separate environments to unlock the mechanical arming gate and charge a capacitor to reach armed status:

Release Consent (lanyard pull pin)

Airflow

OPERATIONAL LIMITS

Velocity: 20 to 400 m/s

Angle of Impact: Vertical to 60° from horizontal

Operating Temp: -20°C to 71°C

Storage Temp (Long Term): -10°C to 40°C

Shelf Life: 10 Years

STANDARDS

MIL-STD-1316	Fuze Design Safety Criteria (Partial Conformance)
MIL-STD-331	Fuze and Fuze Component, Environmental and Performance Tests
MIL-STD-333	Fuze, Projectile and Accessory Contours for Large Caliber Armaments
MIL-STD-461	Requirements for the Control of Electromagnetic Interference Characteristics of Subsystems and Equipment (Partial Conformance)
MIL-STD-464	Electromagnetic Environmental Effects – Requirements for Systems (Partial Conformance)
STANAG 4187	Fuzing Systems: Safety Design Requirements (Incorporated in MIL-STD-1316)
ISO 9001:2000	Quality Management Systems

SIZE

Diameter: 49mm

Length: 105mm

MASS

215 ± 15 grams

