

HALCON

DESERT STING 16 FUZE (P2)

SPECIALIZED
DESIGN.
ASSURED
BLAST.



DS-16 Fuze (P2) is an electro-mechanical fuze with 2 mode operations designed specifically for Desert Sting Gravity Release Weapon.

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

FEATURES

The fuze is placed in the nose of the weapon. Two modes of operation are supported, and is selected and programmed before the mission.

These modes are:

Proximity Height (Nominal 8m) – Doppler Radar

Point Detonation

The Point Detonation Super Quick action serves as a backup to the proximity mode.

FUZE TYPE

This is an electro-mechanical fuze, designed specifically for, and used on, the Desert Sting Gravity Release Weapon.

SAFETY

For the fuze to arm, it relies on two separate environments to unlock the mechanical arming gates:

Release consent (Umbilical Break)

Airflow (> 50m/s)

OPERATIONAL LIMITS

Velocity: 50 to 400 m/s

Angle of Impact: Vertical to 60° from horizontal

Operating Temp: -40°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: 68mm

Length: 88mm

MASS

325 ± 15 grams

