

# 81 mm, HE with POINT DETONATING FUZE FOR DRONE

## Mortar shells

### TECHNICAL DATA:

- Mass of mortar shell with fuze 3150 g
- Length of mortar shell with fuze 400 mm
- Mass of explosive (TNT) 650 g
- Reliability of mortar shell with fuze min.98%

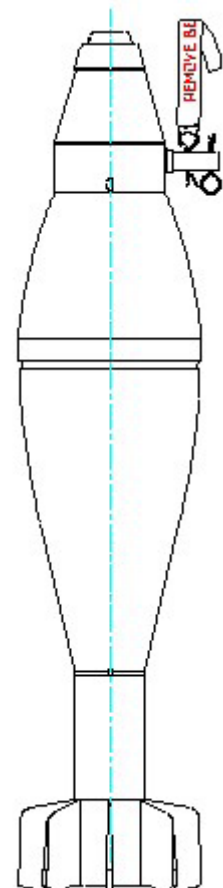
### Purpose

81mm mortar shell, HE, with point detonating UT, M88-D fuze is intended for firing from drone. It is intended for neutralization of enemy live forces and ordnance items in or out of shelter, watchtowers, command posts, for creating pathways in minefields and wiring obstacles.

### Design description

Basic functional parts of the mortar shell are as follows:

1. Point detonating fuze UT, M88-D, secured with clock mechanism which should provide full safety of the crew during handling and activate the mortar shell at the target in a timely manner;
2. Shell body, filled with TNT, is the basic part the efficiency of the mortar shell at the target depends on;
3. Tail unit provides stability of the mortar shell on the trajectory during freefall from the drone.

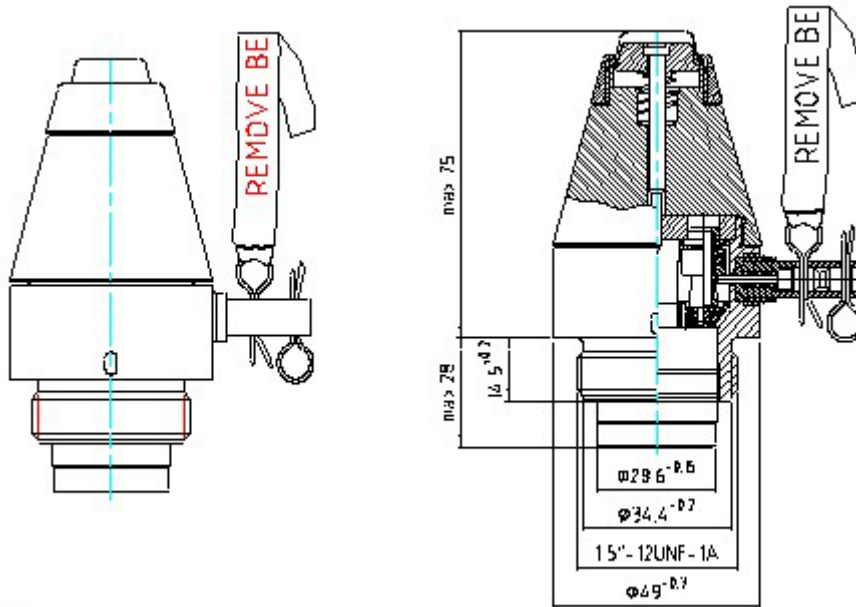


## PD FUZE UT, M88-D for COMBAT DRONE Ammunition

FUZE UT, M88-D is mechanical point detonating fuze with the interrupted initial train and safety mechanism based on the clock mechanism.

### Purpose

The fuze is intended for assembling high explosive shells of 60mm, 81/82 mm and 120 mm caliber for combat drone use. The connecting measures are in accordance with the NATO standard.



### Technical data

- Safety as per STANAG 4157 and MIL-STD-331C
- Arming gravitational
- Safety:
  - two independent mechanical safeties (transport and pull safety element)
  - Low – explosive train interrupted
- Function mode: Impact - SQ
- Drop safety 3 m
- Fuze mass 300 g
- Detonator charge mass 13,2 g
- Fuze length max.75 mm
- Fuze length entering the shell max. 28 mm
- Fuze connecting thread 1.5''-12UNF-1A
- Maximum fuze diameter 49mm

### Functional data

- Temperature range of use -46°C to + 63°C
- Temperature range of storage -54°C to + 71°C
- High safety during handling, transportation and storing.
- Environment test as per MIL-STD-331A
- Usage period is minimum 15 years under prescribed keeping and storing conditions.