

MBU-M18

Mortar fuzes

Mortar proximity fuze MBU, M18 is mechanical-electronic fuze with the interrupted initial train and safety mechanism based on the clock mechanism. It is battery powered mortar proximity fuze which provides high and near surface proximity function and impact function.

PURPOSE

The fuze is intended for assembling high explosive and smoke mortar shells of all calibers. The fuze has three function modes as stated below. Function mode selection is done by means of contactless fuze setter. When set to the proximity mode, it is activated on the fall trajectory. The connecting measures are in accordance with the NATO standard.

TECHNICAL DATA:

• Safety	as per STANAG 4157 and MIL-STD-331C
• Arming	inertia type
• Low – explosive train interrupted	
• Function modes:	
- PD SQ	
- Proximity (burst height from 2 m to 5 m)	
• Acceleration	from 400 g to 13000 g
• Drop safety	3m
• Moisture proofness	at 1 bar pressure
• Fuze mass	350 g
• Detonator charge mass	13,2 g
• Fuze length	max. 133 mm
• Fuze length entering the shell	max. 28 mm
• Fuze connecting thread	1,5"-12UNF-1A
• Maximum fuze diameter	49 mm



FUNCTIONAL DATA

• Muzzle safety at initial velocity 68m/s	min. 70 m
• Temperature range of use	-40°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 10 years under prescribed keeping and storing conditions.	

