

## Introduction of the Multi Option Fuze Artillery (MOFA) DM84 on 120mm Rifled Mortar



**JUNGHANS Feinwerktechnik GmbH & Co. KG**  
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# Artillery Howitzer PZH 2000

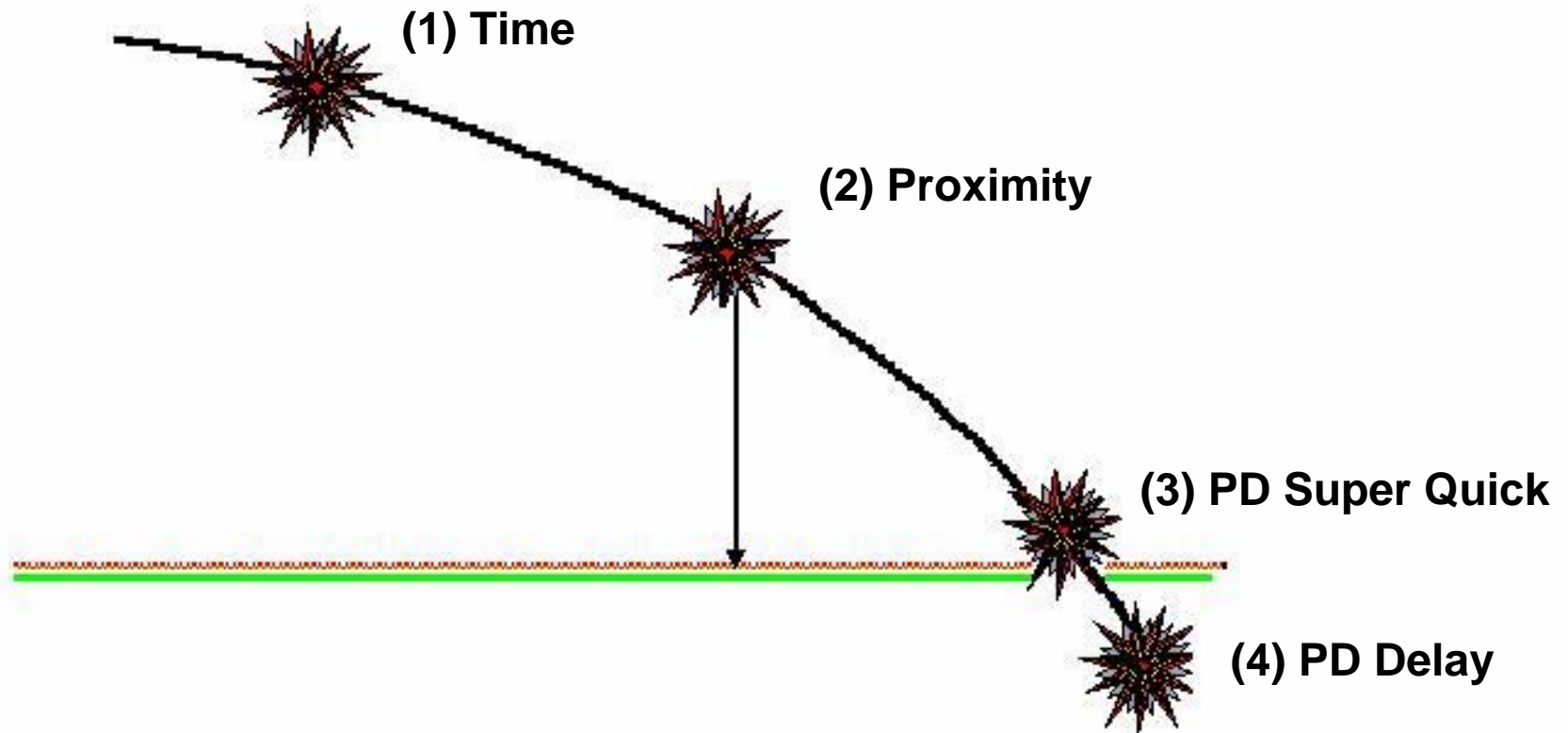
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# Fuze types mortar / artillery – functioning



# DM34, DM34A1 Proximity Fuze



- Function: Proximity, Point Detonating SQ or Delay
- Manually Settable
- Not Jamable
- Produced for  
**German Armed Forces**  
(DM34 in service since 1988,  
DM34A1 in service since 1994)  
**Swedish Armed Forces**  
(DM34A1-S as ÖFZONAR94 MK in service since 1996)  
**Norwegian Armed Forces**  
(DM34A1 as BRANRØR PPD MN187 in service since 1997)
- More than 250.000 ea. fielded



# DM74 Multi Option Fuze



- Function: Proximity, Time, Point Detonating SQ or Delay
- Inductively Settable
- Overflight Safety T-4
- Not Jamable
- Produced for  
German Armed Forces  
(in service since 1997)  
Canadian Armed Forces  
(as C32 in service since 1998)  
Danish Armed Forces  
(in service since 2000)
- More than 270.000 ea. fielded



# DM84 Multi Option Fuze

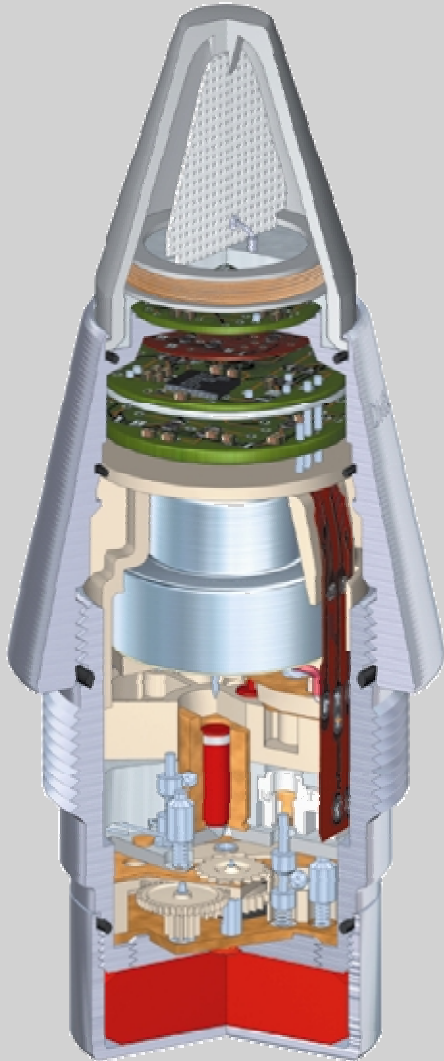


## Usage

- on 105 mm / 155 mm high explosive artillery shells
- Field Howitzer 105mm
- Field Howitzer 155mm, 39cal. Barrel
- Self Propelled Howitzer 155mm, 39cal. Barrel
- Self Propelled Howitzer 155mm, 52cal. Barrel
- 120mm Rifled Mortar



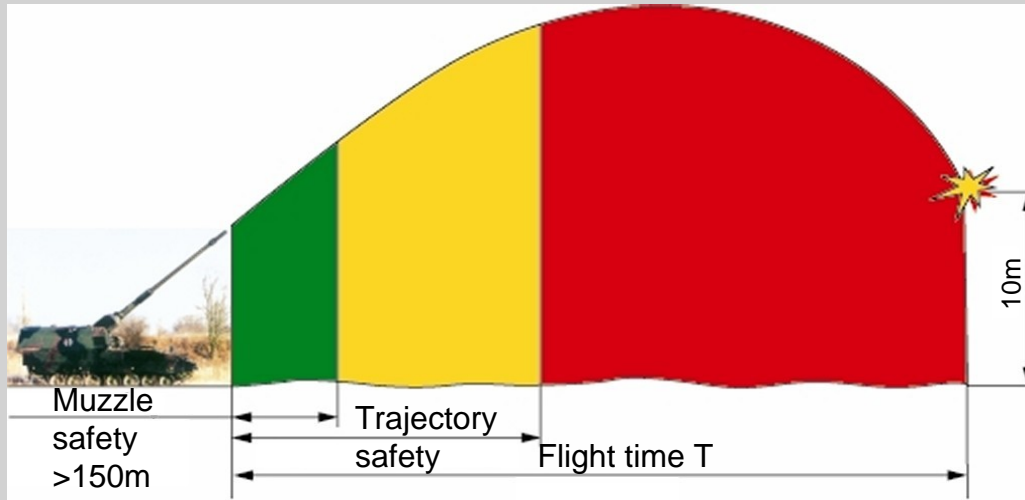
# DM84 Multi Option Fuze



## Further information

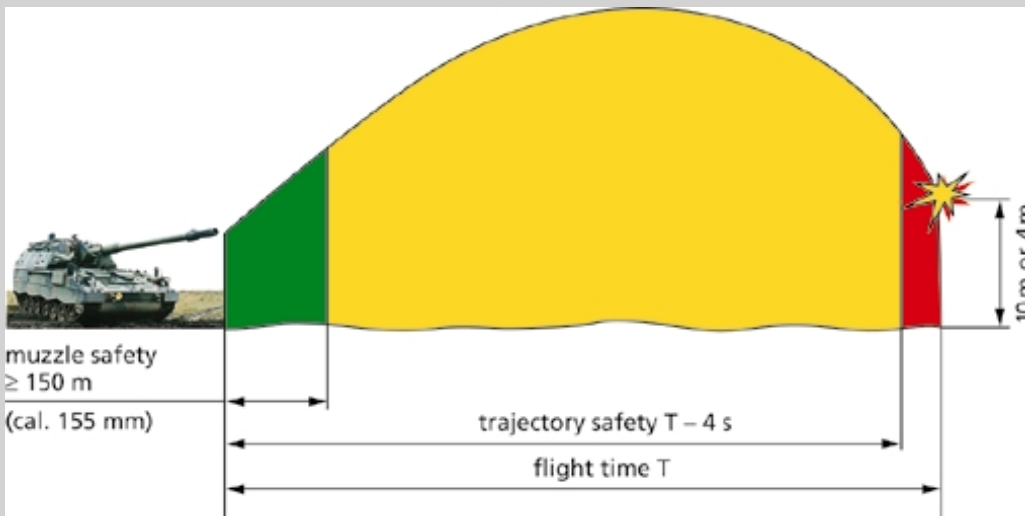
- derived from the DM74
- Proximity, Time, PD with and without delay
- two heights of burst (10m / 4m) in PROX mode
- inductive settable (acc. to STANAG )
- reserve Battery with S&A Mechanism
- flick-ramming safe
- delivered to the Dutch Armed Forces
- Adapted to be used on 120mm rifled mortars





## Factory (default) setting

- Muzzle Safety >150m (490ft)



## Inductive programmed

- Muzzle Safety >150m (490ft)
- Trajectory safety T-4s





# 120mm Rifled Mortar

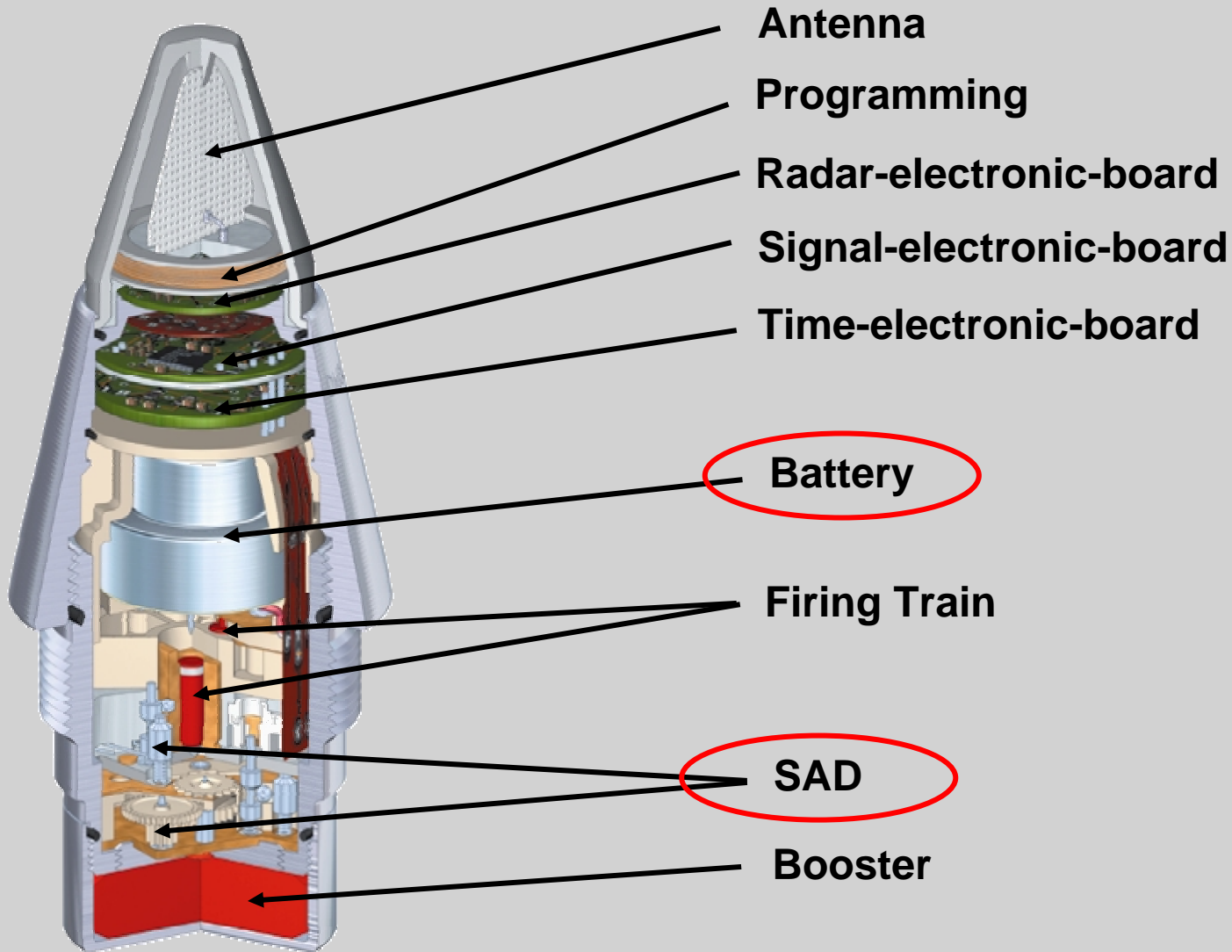
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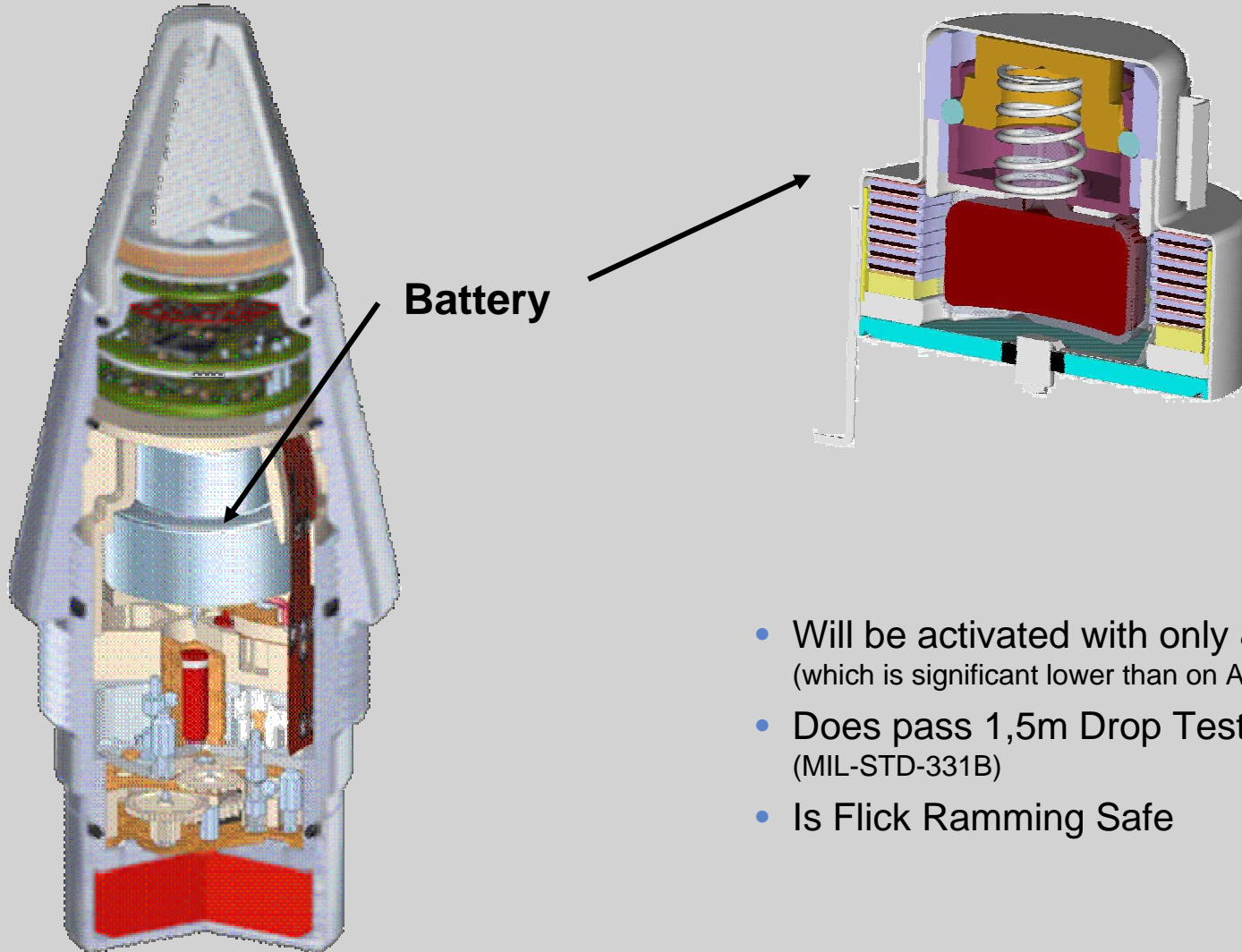
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# DM84 Multi Option Fuze



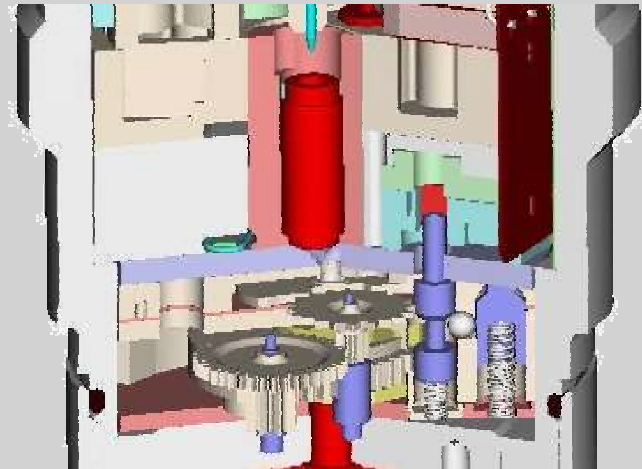
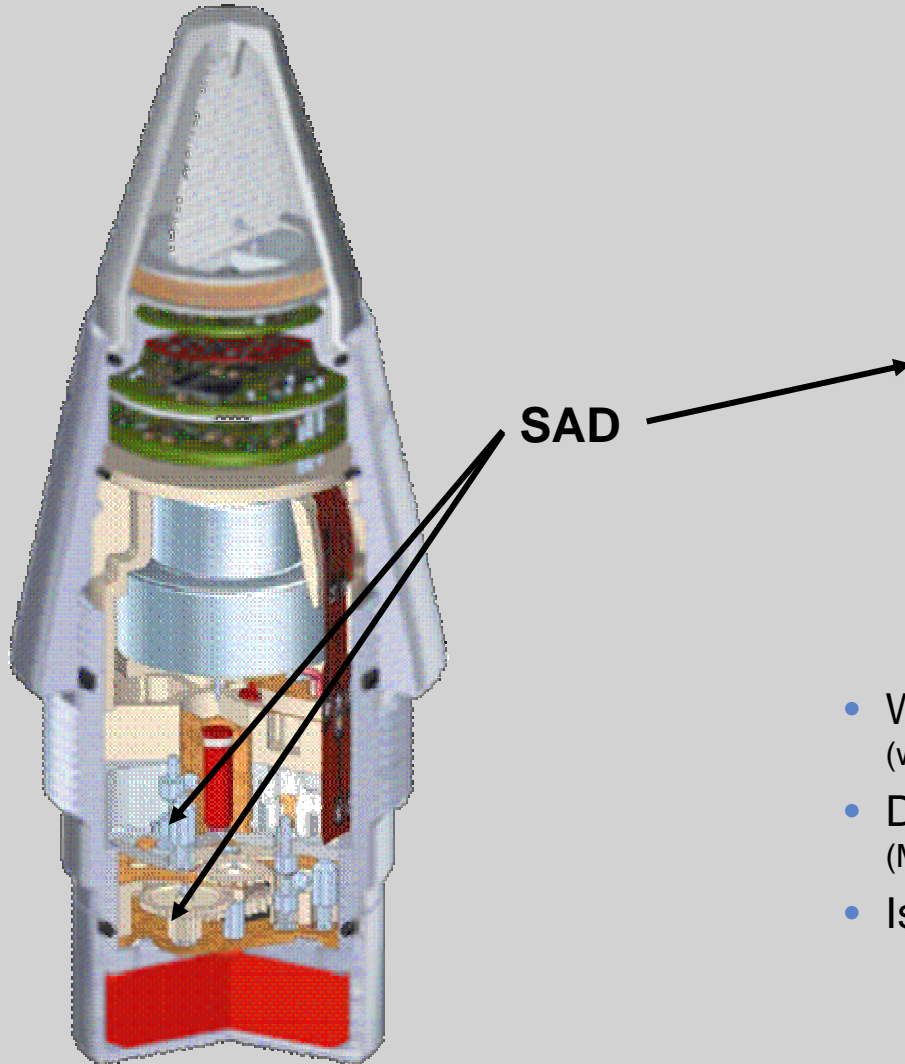
# DM84 Multi Option Fuze adaptation



- Will be activated with only 850g (which is significant lower than on Artillery)
- Does pass 1,5m Drop Test (MIL-STD-331B)
- Is Flick Ramming Safe



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# DM84 Multi Option Fuze for 120mm Rifled Mortar

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## Summary

- DM84 offers a more sophisticated use of 120mm rifled mortars and improves the users options and system efficiency
- Using one fuze for artillery and mortar reduces logistics burden
- Training can be standardized
- DM84 is fielded in a NATO country



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Thank you for your kind attention !