



DM52/L163

NEXT GENERATION

ELECTRONIC TIME
ARTILLERY FUZE



SAFETY. INNOVATION. RELIABILITY.

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DM52/L163 is an electronic time artillery fuze, providing maximum safety, reliability and performance. The fuze is designed to be used with hollow base or base bleed shells and as well as sensor fuze munitions (SMARt®155) of 155 mm and 105 mm hollow base or base bleed shells as well as 120 mm rifled mortar at all applicable charge zones including charge 0. The fuze is fully compliant with the flick ramming system of modern 39 calibre and 52 calibre howitzers and fully compliant with all JBMoU artillery systems.

FEATURES

- Inductively settable according to STANAG 4369 / AOP-22
- Mode:
 - Time (range from 2 to 199.9 seconds, in 0.1 second increments)

POWER SUPPLY

- Reserve lithium battery providing superior performances in all conditions

PRODUCT OVERVIEW

- Compliant to STANAGs 2916, 4157, 4187 and 4439
- The fuze is not subject to ITAR and REACH compliant
- IM compliant at fuze level
- Enhanced safety during storage, transportation and operational use
- Well proven Safety and Arming Device used in all JUNGHANS artillery fuzes

Dimensions

Weight	515 ± 20 grams
Overall height	Max. 133.8 mm
Nose to flange	Max. 95.5 mm
Thread	2" – 12UNS – 1A

Fuze Characteristics and Performance

Muzzle safety	≥ 150 m for 105 mm gun and 120 rifled mortar ≥ 200 m for 155 mm gun
Required setback for arming	≥ 850 g
Required spin rotation for arming	≥ 2,900 rpm
Max. setback	26,000 g
Max. spin rate	25,000 rpm
Max. velocity	1,050 m/s
Operational temperature range	-46 °C to +63 °C
Storage temperature range (short term)	-54 °C to +71 °C
Shelf life	Designed for 15 years

STANDARD PACKAGING

- 8 fuzes per steel box
- 96 boxes per pallet
- 768 fuzes per pallet
- Shipping classification: UN0410, Class 1.4D

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