

FURYA
Proximity Dual-Mode
Artillery Fuze



for high explosive (HE) artillery shells and 120 mm rifled mortar systems

FURYA

FURYA is a state-of-the-art, cost-effective, dual-mode artillery proximity fuze providing enhanced safety, reliability and performance.

FURYA is fully compatible with 155 mm, 105 mm and 120 mm rifled artillery and mortar systems, and is designed to meet the latest artillery system requirements (including 52 calibre systems), automatic loading and modular charge systems. FURYA offers two selectable modes of operation, providing operational flexibility to the user:

- Extremely accurate proximity mode, increasing the overall efficiency of the ammunition
- Super-quick PD mode for direct impact

The mode selection uses a simple switch on the side of the fuze.

The FURYA proximity sensor employs an advanced FMCW radar waveform, leading to very accurate heights of burst (HoB), whatever the terrain and projectile arrival conditions. The sensor is highly resistant to EM interferences, making its use reliable in the disturbed RF environments of modern battlefields.

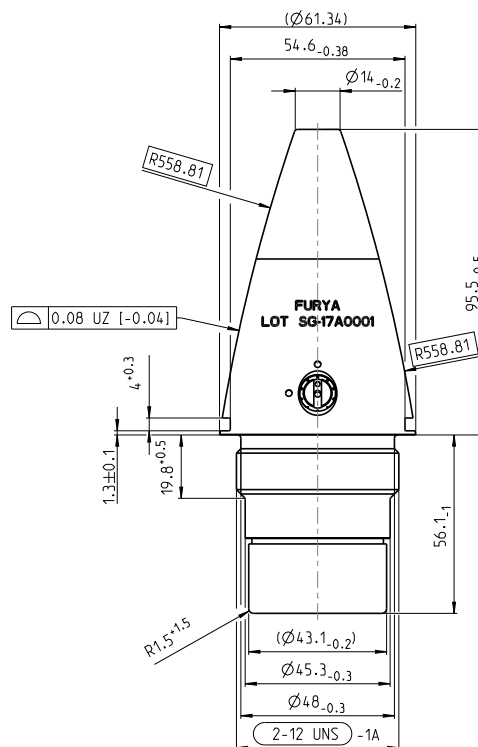
FURYA uses a reserve lithium battery, providing superior performances in all conditions, even at low temperature environments.

The fuze is fitted with a mechanical 200 m muzzle safety distance Safety and Arming Device (SAD).

FURYA complies with STANAG 2916 and ensures full compatibility with existing firing tables, and can be adapted to

meet individual customer requirements, including adaptation to non-NATO standards:

- Customizable HoB (factory settable between 4 m and 15 m)
- Inductive setting capability (STANAG 4369 and AOP-22); this feature can be used for mode selection, and also to set an inhibition safety time providing increased overflight safety and stealth
- IM firing train to comply with STANAG 4439 and AOP-39 recommendations
- Mechanical PD back-up function



Technical Data FURYA

Muzzle safety	$\geq 200 \text{ m (155 mm)}$
Required setback for arming	$> 1,600 \text{ g (possible } > 850 \text{ g)}$
Max. setback	up to 26,000 g
Required rotation for arming	$\geq 3,000 \text{ rpm}$
Max. rotation	up to 25,000 rpm
El. overhead safety	T* -3 sec (inductive programmable vers.)
Storage temperature range	$-54^{\circ}\text{C to } +71^{\circ}\text{C}$
Operational temperature range	$-46^{\circ}\text{C to } +71^{\circ}\text{C}$
Dimensions	STANAG 2916 Ed. 2
Weight	$440 \pm 20 \text{ g}$
Shelf life	15 years

Compliance with STANAG 4157 / MIL-STD-3331B; STANAG 4187 / MIL-STD-1316C; STANAG 4369

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