



01 / PRODUCT OVERVIEW

UMF M16

Multifunctional artillery fuze UMF M16



FIG 01 PRODUCT CONFIGURATION

max 1100

MUZZLE VELOCITY (M/S)

0.825

FUZE MASS (KG)

**proximity, timing,
superquick impact**

ACTION TYPE

with setter

FUNCTION (ACTION) SELECTION

01.1 / OVERVIEW

Nose-mounted multifunctional electronic fuze for 105 mm to 155 mm high-explosive artillery projectiles, offering proximity, timing and superquick impact action selected with a setter, with a blocking function active over the last 2.5 seconds of flight.

TYPE
Fuze

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

UMF M16 / AMMUNITION

IDENTITY AND CONSTRUCTION

Total fuze height (mm)	max 151.6
Depth of fuze intrusion (mm)	max 56.1
Fuze mass (kg)	0.825

BALLISTIC PERFORMANCE

Muzzle velocity (m/s)	max 1100
Operating temperature (°C)	-30 ÷ +50

DIMENSIONS, MASS AND SUPPLY

Height of proximity action (m)	10 ± 8
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ADDITIONAL TECHNICAL DATA

Action type	proximity, timing, superquick impact
Function (action) selection	with setter
Muzzle safety (m)	mechanical: min 400 calibers, electronic: min 3 s per firing
Arming during axial acceleration (m/s ²)	20000 ÷ 250000
Rotation (min-1)	2000 ÷ 25000
Time setting, with setting device (s)	3.2 ÷ 199.9 (pitch of 0.1, accuracy of ± 0.05)
Thread	2"-12UNS-1A
Blocking function	active during the last 2.5 s of flight