

UMF, M16

Artillery fuzes

The fuze is electronic, located at the nose, multifunctional and it is intended for assembling artillery HE projectiles of calibers from 105 to 155 mm with 2"-12UNS-1A thread. The selection of fuze action (proximity, timing or superquick) is wireless, with the setter. The default setting of the fuze is with proximity action (based on the Doppler effect). The fuze has a possibility of setting up levels of sensitivity for the proximity function.

UMF M16 also possesses a blocking action (it is active during the last 2.5 s of flight).

The fuze is protected from intended and unintended electromagnetic interferences. It is safe in all transportation conditions as well as in all conditions of storage and use.

TECHNICAL DATA:

• Action type	proximity, timing, superquick impact
• Function (action)	selection with setter
• Total fuze height (mm)	max 151.6
• Depth of fuze intrusion (mm)	max 56.1
• Muzzle safety (m)	mechanical: min 400 calibers, electronic: min 3 s per firing
• Arming during axial acceleration (m/s^2)	20000 to 250000
• Rotation (min^{-1})	2000 to 25000
• Muzzle velocity (m/s)	max 1100
• Height of proximity action (m)	10 ± 8
• Time setting, with setting device (s)	3.2 to 199.9 (pitch of 0.1, accuracy of ± 0.05)
• Fuze mass (kg)	0.825
• Operating temperature ($^{\circ}C$)	-30 to +50

