

WARHEAD FOR FPV DRONES

FPV-CLAYMORE-1.5 is a directional-fragmentation warhead designed to equip FPV drones for the effective engagement of enemy personnel, unarmored vehicles, and military equipment.

Designed for integration with FPV platforms. Its compact size and weight allow the unit to be used on most serial drones without loss of maneuverability. Effective application height from a UAV is 4–6 m (maximum — up to 10 m), ensuring precise target destruction while minimizing tell-tale signatures. The explosive charge (190 g) is initiated by an ED-8-Zh-1100 electric detonator via the EKD-1R system. Operates effectively at temperatures from -35°C to +35°C and humidity up to 98%.

KEY TASKS & ADVANTAGES

- A directional fragmentation effect: 2000 ± 3% fragmentation elements (metal balls, 5 mm diameter, 0.5 g weight) ensure dense target destruction.
- Continuous kill range is 10 m, and when applied from a height of 5 m the continuous kill zone covers no less than 60 m².
- Wide fragment spread angle: 80° in width (15–20 m) and 100° in length (10–14 m) when dropped from a height of 10 m — ensures target destruction even with an imprecise hit.
- A powerful UKRAINIUM explosive charge (190 g ± 10 g) provides reliable engagement of enemy personnel and unarmored vehicles.
- A reliable initiation system (EKD-1R + ED-8-Zh-1100 electric detonator) guarantees stable functioning of the munition.
- Optimal weight (1.53 kg) and compact dimensions allow the unit to be used on most serial FPV platforms.
- A wide operating temperature range (from -35°C to +35°C) and resistance to humidity up to 98% ensure reliability in field conditions.



Technical specifications

Purpose	Engaging enemy personnel, unarmored vehicles, and military equipment
Type of action	Fragmentation
Ground application height	0
Effective application height from UAV	4-6 m
Maximum application height	10 m
Fragmentation element characteristics	Metal ball: diameter - 5 mm, weight 0.5 g
Number of fragmentation elements	2000 ± 3% pcs
Fragment spread angle (width)	80° (15-20 m)
Fragment spread angle (length) from a height of 10 m	100° (10-14 m)
Operating conditions	Temperature: -35°C to 35°C, humidity: 95 to 98% at temperature 35°C
Product weight	1,530 g (±3%)
Product length	141 ± 3 mm
Height	96.4 ± 3 mm
Continuous kill range	10 m
Continuous kill diameter	When applied from 5 m - not less than 60 m²
Type of explosive	UKRAINIUM
Explosive weight	190 g (±10 g)
Initiation method	Electric detonator ED-8-Zh-1100 TU U 20.5-1 4314452-053:2019