

UKRSPECEXPORT



Catalog

**UNMANNED SYSTEMS
& AMMUNITION**



IN THE AIR, ON LAND AND AT SEA

In the conditions of modern warfare, the use of unmanned systems has changed the dynamics of military operations and has become an important weapon for gaining an asymmetric advantage over the enemy. Their availability, rapid development, ease of deployment and use make them indispensable in military operations on the territory of Ukraine. It is UAVs that have allowed to increase the number of non-contact combat operations and, as a result, reduce the level of human casualties.

In addition to mass use in the air, the war in Ukraine has shown the successful use of naval unmanned systems and the emergence of ground drones for various purposes.

The ability to see and strike at a long distance, combined with cost savings, has made UAVs indispensable for Ukrainian defensive and offensive operations.

That is why The State Company Ukrspecexport offers the latest Ukrainian unmanned systems, tested in real war conditions.

HISTORY



October
1996

Was established
The State Company
UkrSpecexport



February
2012

Incorporated with Ukrainian
defence industries holding
company Ukroboronprom



March
2022

Transferred under the
management of the
Ministry of Defence of
Ukraine

The State Company UkrSpecexport is undisputed
the top leading arms company in Ukraine

EXPORT ACTIVITY

UkrSpecexport has:

- experience in implementation of the largest export projects in the history of Ukrainian defense industry;
- the largest network of business contacts all over the world.

Export geography - 25 countries of the world

More than 80 foreign counterparts

More than 300 domestic principal-companies

The total amount of current contracts – USD 1,215 billion

IMPORT ACTIVITY

In order to fulfill the needs of Ukrainian Armed Forces the State Company UkrSpecexport searches, contracts and supplies following range of products:

- ammunition for artillery systems
- mortar mines, grenade launcher rounds
- aircraft weapons
- missile and artillery weapons
- automobile and armored vehicles
- machines guns, grenade launchers and anti-tank guided missile systems
- Spare parts and components for all types of weapons and military equipment, including the military equipment of NATO countries.

Since March 2022 The State Company UkrSpecexport has concluded contracts for a total amount of more than USD 1.83 billion.



SKY SABER

Unmanned aerial system

Unmanned aerial system “SKY SABER” is designed to shoot down SHAHED-Type targets.

Combat characteristics:

Maximum flight range

15-20 km

Tactical radius

12 km

Flight time

0,15 hour

Ceiling

maximum 4000 m

operational 10 - 3000 m

Possibility of target

locking/tracking

yes

Flight speed

minimum 1 km/h

cruise 185 km/h

maximum 250 km/h

Optronic reconnaissance means

video camera

Detection and recognition range of

typical targets

500 – 1000 m

Deployment and flight

preparation time

5 min

Technical characteristics:

Maximum take-off weight

3,5 - 5 kg

Maximum payload

200-400 gramm

Channel characteristics

Powerful module for telemetry

control

Overall dimensions

width with beams 354 mm

diameter 90 mm

height 583 mm



NEMESIS

Unmanned aircraft system

Designed to perform missions targeting armored vehicles, fortifications, and enemy personnel, ensures the safety of its operator while minimizing the risk of detection and damage to the technical team.

Implemented within the concept of 'safe warfare,' which ensures the absence of drone operators and revealing radio communication elements in the immediate operational zone.

Specifications:

Maximum range

18 km *

Operating flight altitude

100-150 m *

Maximum speed

25 m/s *

Maximum flight time

30 min *

Weight without payload
(with battery)

25.2 kg

Maximum takeoff weight

37.2 kg

* with 10 kg load

Advantages:

■ ability to fly in radio silence mode

■ multi-band receiver of satellite navigation systems (GPS, GLONASS, Galileo and BeiDuo)

■ use of satellite communications and backup radio communication channels

■ uses a data transmission channel that is resistant to electronic warfare



MC-30 MAX

Unmanned Aerial System

MC-30 Max UAC is an attack bomber type multicopter with a payload of up to 25 kg, designed for bombing of enemy targets to damage enemy manpower and vehicles with regular aviation and specially adapted mortar ammunition. Six-motor electric multicopter having foldable undetachable bearing structure with six arms and foldable propellers, frame chassis with ammunition carrying and drop system mounted between its legs. The drone is super compact when folded.

Specifications:

Maximum load **30 kg**

Maximum Speed **16 m/s**

Maximum flight time,
(without load) **45 min**

Operating range **8-10 km**

Actual flying range
(depending on the load)
16-20 km

Maximum flying height
2000 m

Aiming system
**640*512 Infrared
thermal camera
mounted on triaxial
stabilizer**

Flight controller

**HEX Pixhawk Cube
Orange**

Communication channel
operating frequency
800/1400/2400 MHz

Image transfer maximum
distance **10 km**

Geolocation system

**Three-band positioning
system protected
against the influence of
most EW suits is used in
order to complete the
mission in case of loss of
communication with the
operator**



MC-40

Unmanned Aerial System

Specifications:

Diagonal length (in deployed condition, with propellers)

3800 mm

Maximum payload

up to 50 kg

Maximum takeoff weight

114 kg

Maximum takeoff speed

5 m/s

Maximum horizontal flight speed

up to 16 m/s

Flight time with 20 kg payload

up to 40 min

Ceiling

1000 m

Double camera

Thermal+Zoom 30X

Recording resolution

1080P, 30fps

Maximum range of image transmission, control and telemetry with with PROFR 4900-6100 MHz

up to 20 km

Modulation mode

OFDM and MIMO

Possibility of equipping with re-transmitter to ensure operation in difficult terrain and increase range

Possibility of cable internet operation from shelter and remote command post

Second remote control system
telemetry

Operation frequency of communication channel, with PROFR

850-968 MHz

Maximum transmission range
20 km

Positioning system

GPS: L1/L2/L5

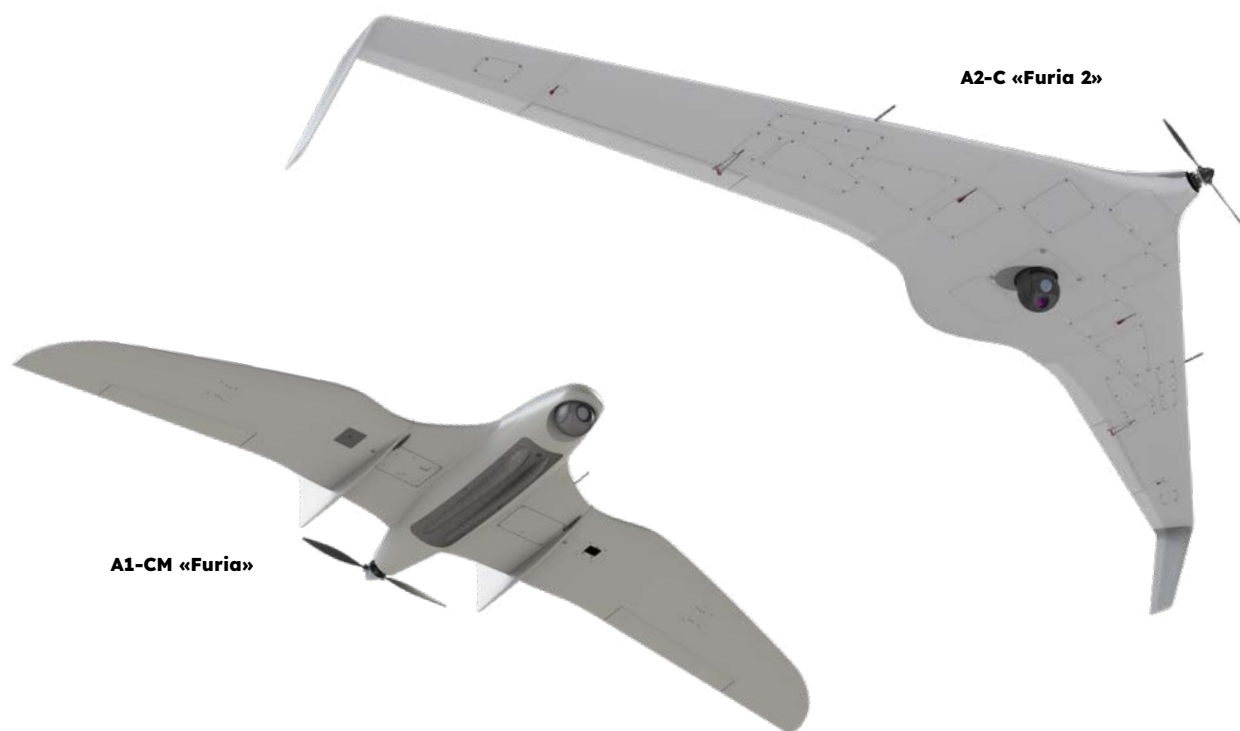
GLONASS: F1/F2

BeiDou: B1/B2/B3

Galileo: E1/E5

Battery type

LI ION NMC 18S



A1-CM «FURIA» A2-C «FURIA 2»

Unmanned Aerial Systems

The Unmanned Aerial System **A1-CM «Furia»** has established itself as a reliable UAV for target detection and artillery correction. In 2020, the system completed a full cycle of state tests and was adopted by the Armed Forces of Ukraine.

The system is characterized by a long flight time and a significant range of the command-telemetry line and data transmission radio line, allowing missions at tactical depths of 120 kilometers.

System Composition: 3x unmanned aerial vehicles, 3x daytime payload modules, 2x nighttime payload modules equipped with television cameras. This configuration ensures high combat readiness and the ability to quickly recover in field conditions.

The Unmanned Aerial System **A2-C «Furia 2»** is an upgraded version of the battle-tested UAS «Furia» significantly surpassing its predecessor in all parameters. The «Furia 2» offers even greater efficiency in performing reconnaissance and combat missions.

Key Advantages:

- Flight time 5 hours.
- Flight range: up to 100 km.
- Speed: 75 km/h.
- Operating radius: Flight radius up to 100 km.

Parameter	A1-CM «Furia»	A2-C «Furia 2»
Wingspan	2000 mm	3600 mm
Length	900 mm	1200 mm
Range	50 km	up to 100 km
Flight time	up to 3 hours	5 hours
Cruising speed	65-130 km/h	75 km/h
Power supply	Electric	Electric
Batteries	66 Ah	105 Ah
Launch method	Elastic or mechanical catapult	Catapult

A1-CM «Furia»

A2-C «Furia 2»

System Components

■ UAV «Furia»

One of the main elements of the UAS. Made using composite materials (fiberglass, carbon fiber, Kevlar). Aerodynamic design – flying wing. Equipment: automatic control system, inertial navigation system, satellite navigation system, air pressure receiver, parachute system, electric power plant, hardware for command-telemetry communication line, backup control channel hardware, onboard visual information system, onboard navigation lights. Standard configuration includes optical reconnaissance payload – daytime/nighttime modules, camera.

■ Daytime Optical Module:

- Provides reconnaissance during daylight
- Effective working height – up to 1200 m, depending on the mission
- Two-axis gyrostabilization
- 10x optical zoom
- 60x digital zoom
- Line of sight angle range: azimuth – 360°
- Enhanced contrast mode
- Built-in video data recording in Full HD format (1080p)
- Easily replaceable, connection takes no more than 30 seconds

■ Nighttime Optical Module:

- Provides reconnaissance at any time of day, regardless of light conditions
- Effective working height – 450-550 m
- IR core based on thermal camera 35 mm athermal lens
- Two-axis gyrostabilization
- 2.4x digital zoom
- Color and black-and-white modes
- Video data recording resolution 640 x 480
- Easily replaceable, connection takes no more than 30 seconds

■ Ground Antenna Complex:

- Designed to ensure UAV control in all modes, receiving information about its flight parameters and reconnaissance information
- Automatic tracking of the unmanned engine
- Range – up to 70 km
- Bilateral mount
- Adjustable height up to 6.5 m
- Can be mounted on a moving vehicle
- Quick setup

■ Daytime Optical Module:

- Provides reconnaissance during daylight
- Effective working height – up to 2500 m, depending on the mission
- Two-axis gyrostabilization
- 30x optical zoom, 40x digital zoom
- Line of sight angle range: azimuth – 360°
- Enhanced contrast mode
- Built-in video data recording in Full HD format (1080p)
- Easily replaceable, connection takes no more than 30 seconds

■ Nighttime Optical Module:

- Provides reconnaissance at any time of day, regardless of light conditions
- Effective working height – 500-1000 m
- IR core based on thermal camera 50 mm athermal lens
- Two-axis gyrostabilization
- 2.4x digital zoom
- Color and black-and-white modes
- Video data recording resolution 640 x 480
- Easily replaceable, connection takes no more than 30 seconds

■ Ground Antenna Complex:

- Designed to ensure UAV control in all modes, receiving information about its flight parameters and reconnaissance information
- Automatic tracking of the unmanned engine
- Range – up to 100 km
- Bilateral mount
- Adjustable height up to 6.5 m
- Can be mounted on a moving vehicle
- Quick setup

■ Day\night optical module (optional):

- Day - 30x optical zoom, 40x digital zoom
- Night - IR core based on thermal camera 24 mm athermal lens

KAZHAN E620 (BAT)**KAZHAN E630 (BAT)**

KAZHAN (BAT)

Strike UAS

Electric drone equipped with dropping system for all type ammunition for destruction enemy's manpower and equipment.

	KAZHAN E620 (BAT)	KAZHAN E630 (BAT)
Frame	4 motors	6 motors
Load capacity	Up to 12 kg (up to 20 kg) for short range	Up to 18 kg (up to 30 kg) for short range
Altitude	Up to 400 m (blocked by producer), maximum up to 1500 m	
Ground speed	Up to 20 m/s or 72km/h	
Maximum path	Using one set of batteries up to 25 km without payload and up to 20 km performing combat task (50% of the way with payload and 50% without)	
Combat radius	Up to 10 km (depends on weather conditions, operator experience, obstacles altitude and EW)	
Strike radius / Radio channel	Up to 6-10 km (depends on weather conditions, operator experience, obstacles altitude and EW)	
Control systems	Jam-Resistant FHSS system, manual flight mode, point-to-point flight mode, coordinate flight, auto pilot	
Navigation	GNSS module with GNSS remote antenna, no-satellite flight, flight with suppression mode, no satellite takeoff	
Camera	Double camera with 3 axis gimbal, 10 optical zoom, day camera + thermal imager 640*480 with 9 zoom	
Power system	2 semi-solid LiPo batteries 40000 mA/h or 54000 mA/h 6S 25C with auto heating	
Common ammunition	Anti tanks mines TM-62 and PTM, Anti-personnel mines OZM-72, Heavy cumulative ammunition KZ-6 and KZ-7, other types of ammunition	



SHMAVIC

Operational-and-tactical
Reconnaissance Quadcopter

Specifications:

Operation radius

15 km

Flight endurance

Up to 60 minutes

Operational altitude

150-250 meters

Maximum altitude

Up to 500 meters

Maximum speed/
operating speed

25 m/s / 15-25 m/s

Allowable wind speed

Up to 12 m/s

Dimensions

420x420x200 mm

Propeller diameter

335 mm

Radio control channel

**Two-channels 2.1-2.8/4.9-6.0
GHz with FHSS, jam-resistant.**

Video channel

**Two-channels 2.1-2.8/4.9-6.0
GHz with FHSS, jam-resistant.**

Navigation

**Jam-resistant GNSS module
and GNSS antenna**

Power system

**Semi-solid Li-Po accumulator
battery 10/12 A/h, 6S, 25C
with XT60 connector**

Weight without battery/with
battery

1.4/2.4 kilograms

Camera

**Day with optical zoom and
AI function/dual day and
infrared with AI function**

UDOD-7**UDOD-10**

UDOD-7 / 10

FPV Unmanned Aerial System

Tactical strike Unmanned Aerial System of CLASS 1 (mini) with a single-use unmanned aerial vehicle (UAV) and an Automatic Guidance System. Can be additionally equipped with a drop system and used as drop “BOMBER”.

The main task of the uas “udod” is to identify and intercept targets in the fighter hunter mode.

	UDOD-7	UDOD-10
Payload Capacity	1,5 kilograms	2.3 kilograms
Maximum flight range	12 kilometers	14 kilometers
Maximum flight duration	15 minutes	15 minutes
Maximum Flight altitude	1000 meters	1100 meters
Minimum Speed	1 KM/H	6 KM/H
Cruising Speed	60 KM/H	60 KM/H
Maximum Speed	140 KM/H	150 KM/H
Detection and recognition range of typical targets	200 meters	200 meters

**TOR
7" KAMIKAZE
DRONE**



**TORNADO
10" KAMIKAZE
DRONE**



**BUGAI
10" KAMIKAZE
DRONE**



**TORNADO AIR
10" KAMIKAZE
DRONE**



KAMIKAZE DRONES

The parameters are specified when using a 6s2p 10000 Mah Lion
Each drone is checked - flight tests

Parameter	TOR 7" KAMIKAZE DRONE	BUGAI 10" KAMIKAZE DRONE	TORNADO 10" KAMIKAZE DRONE	TORNADO AIR 10" KAMIKAZE DRONE
Maximum payload	up to 1500 g	up to 4000 g	up to 4000 g	up to 4000 g
Range of the communication channel	25 km	25 km	25 km	25 km
Flight time	up to 20 minutes	up to 25 minutes	up to 25 minutes	up to 25 minutes
Speed	up to 150 km/h	up to 150 km/h	up to 150 km/h	up to 150 km/h
Management	TBS Crossfire 750-915 Mhz ELRS from 433-500-2400 Hhz			
Camera	with high light sensitivity			Digital camera Walksnail
Video	analog 1.3, 3.3, 4.9-5.8Ghz			Walksnail 5.8Ghz



ST-35 «SILENT THUNDER»

Unmanned Aerial System

The ST-35 «Silent Thunder» is a high-precision weapon designed for striking targets in concealed positions with various types of warheads. It ensures maximum effectiveness of fire missions with minimal collateral damage, including the protection of civilians and infrastructure. The ST-35 «Silent Thunder» is created using modern technologies for high operational efficiency and low radar, visual, and acoustic visibility.

Performance characteristics:

Range

30 km

Warhead weight

3.5 kg

Target guidance

Automatic via TV/IR channel

Circular error probable

Up to 3 m

Flight duration

60 min

Probability of target hit

95%

Operational altitude

800-1200 m

Cruising speed

100 km/h

Types of warheads

Fragmentation-explosive, cumulative, thermobaric

Take-off weight

10 kg

Launch method

Vertical take-off using a multicopter



HOPAK

Strike Unmanned Aerial System

Specifications:

Designation

Kamikaze

Target hitting mode

Automatic / manual

Flight range

≤ 60 km

Flight endurance

≤ 50 min

Altitude

≤ 3000 m

Flight speed

16 -50 m/s (cruise 22 m/s)

Max wind speed

15 m/s

Deployment time

≤ 5 min

Launch method

Automatic from catapult

Warhead weight

2.5 kg

Warhead type

High explosive cumulative

Electrical fuse operation modes

Activation / deactivation

Strike / blasting

Self-destruction

Safety device

Mechanical, electrical

Airframe

Composite

Wing span / length

1.54 m / 1.05 m

Power unit

Electrical

Operational frequency

700-100 MHz

300-700 MHz

Video signal frequency

1000-2000 MHz

Telemetry frequency

500-850 MHz

GNSS range

L1/L2 or L1/L5



UAS E-300 ENTERPRISE

Unmanned aerial platform

UAS E-300 Enterprise is a multifunctional unmanned aerial platform with distinct capability to carry a variety of military payloads of up to 300 kg at long range distances from 500 to 3,000 km on altitudes from 50 to 5,000 m AGL. Kinetic payloads comprise loitering munitions, high-explosive arial bombs (two FAB100 or one FAB250 per UAS), as well as unguided 70mm rockets (12 Hydra70/CRV7 rockets per UAS).

Specifications:

Payload **≤ 300 kg**

Speed **150 kph**

Operational Attitude
50 - 5,000 m

Endurance **3.5-23 h**

NATO SN
1550-61-015-7206

Range: **500 - 3,000* km**

Cruise speed: **150 km/h**

Maximum takeoff weight:
550 kg

Key benefits:

■ Fully autonomous BVLOS flight with pre-programmed missions

■ Automatic and manual in-flight control for the aircraft and its payloads

■ Automatic short takeoff and landing (STOL) on any flat terrain

■ Low radar cross section and capability to perform ultra low NOE flying

■ Verified operation in DDIL and GNSS denied environments

* subject to fuel tank options



UAS D-80 DISCOVERY

Unmanned aerial platform

UAS D-80 Discovery is a multifunctional unmanned aerial platform with distinct capability to carry a variety of military payloads of up to 80 kg. The UAV can perform specialized operations such as logistics support, communication relay, and retransmission, intelligence, surveillance, target acquisition, and reconnaissance, electronic warfare, precision strikes with 120mm munitions, and deployment as a loitering munition equipped with up to 40 kg warhead.

Specifications:

Payload **≤ 80 kg**

Speed **100 kph**

Operational Attitude
50 - 2,000 m

Endurance **1-8 h**

NATO SN
1550-61-015-7205

Range: **100 - 800* km**

Cruise speed: **100 km/h**

Maximum takeoff weight:
200 kg

* subject to fuel tank options

Key benefits:

■ Fully autonomous BVLOS flight with pre-programmed missions

■ Automatic and manual in-flight control for the aircraft and its payloads

■ Automatic short takeoff and landing (STOL) on any flat terrain

■ Low radar cross section and capability to perform ultra low NOE flying

■ Verified operation in DDIL and GNSS denied environments



REVO-L

UAV of Fixed-Wing Type (Kamikaze)

The UAV «Revo-L» is a state-of-the-art unmanned aerial vehicle designed for delivering precise strikes over long distances.

Advantages:

Robust and Lightweight Construction. Operational Flexibility. Flaps for Easy Launching. Quick Deployment. Hydrophobic Coating. Long-Range Capability. High Maneuverability and Precision Versatile Payload Options.

Specifications:

Range:

Up to 100 km

Cruising Speed:

70 km/h

Maximum Speed:

130 km/h

Critical Speed:

155 km/h

Angle of Target Approach:

45°

Preparation Time:

Up to 90 seconds

Payload, warhead weight:

2.5–6 kg

Application:

■ Strategic Target Strikes:

Long range and accuracy enable the destruction of critical targets at significant distances.

■ Precision Strikes on Mobile Targets: High maneuverability and hand-launch capability make it ideal for sudden attacks on mobile targets.

■ Operation in Challenging Weather Conditions: Hydrophobic coating and stable flight performance allow effective missions even in adverse weather.

Boat modification options:
SARGAN R - Air defense boat
SARGAN MG - Cover boat
SARGAN MGR - Cover boat with radar
SARGAN EW - Electronic warfare boat
SARGAN M - Mine carrier boat
SARGAN D - Air drone carrier boat



SARGAN - 3000

Universal platform

«SARGAN - 3000» is a UNIVERSAL PLATFORM, on which, due to the special design of the deck, it is possible to place and securely fasten the main and auxiliary equipment required by the Customer. At the same time, the main structural and technical elements (hull, engine, propulsion, communication, optics, control system, etc.) remain unchanged. This allows to reduce the time for raft adaptation and the Customer's costs for its maintenance.

Performance characteristics:

Length

6,9 m

Width

2,2 m

Overall height of the hull on the water

0,52 M

Height of the case with equipment (on the thermal camera)

0,86

Engine type

built-in with a screw-steering column

Engine power

270 HP

Type of fuel

diesel

Weight of the warhead

250 kg

Fuel volume

1400 L

Boat weight (approximate)

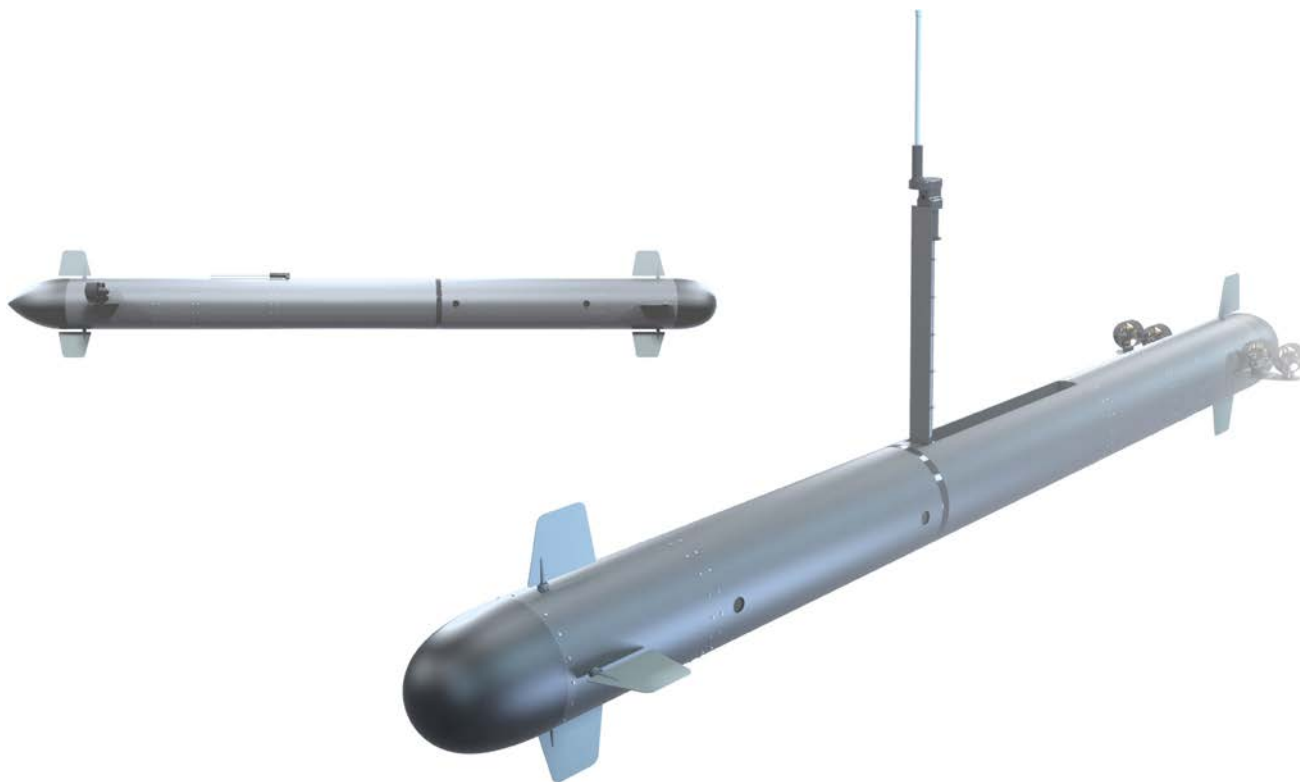
950 kg

The maximum carrying capacity of the boat

1650 kg

Maximum travel distance

1600 km



TLK-200, TLK-400, TLK-1000

Unmanned Marine Systems

TLK-200 is a compact electric autonomous underwater vehicle designed for short missions. It is suitable for operations over limited distances. It is equipped with FHSS (Frequency Hopping Spread Spectrum) for secure communication when surfaced. Payload capacity is 20 kg.

TLK-400 is a medium-sized underwater vehicle with a hybrid powertrain. It is used as a kamikaze drone (payload up to 515 kg) for reconnaissance, signal relay, and other medium-range tasks. It is equipped with satellite communication and FHSS for effective data transmission, as well as autonomous target guidance systems.

TLK-1000 is a large underwater vehicle with a hybrid powertrain designed for long-distance missions. It is used for delivering a warhead weighing 5.02 tons. It is equipped with satellite communication and FHSS for stable communication, even under challenging conditions.

Parameter	TLK-200	TLK-400	TLK-1000
Body Diameter, mm	200	400	1500
Length, mm	2900	12000	12000
Powertrain	Electric	Hybrid (electric motor + ICE)	Hybrid (electric motor + ICE)
Engine Power	2 electric motors	4 electric motors	4 electric motors
Autonomous Operation, days	Up to 15	Up to 60	Up to 60
Range, km	100	Up to 1200	Up to 2000
Payload Capacity, kg	Up to 20	Up to 515	Up to 5020
Operating Depth, m	Up to 30	Up to 30	Up to 30
Communication Systems	FHSS	Satellite Communication + FHSS	Satellite Communication + FHSS
Functions	Signal Relay	Reconnaissance, mining, attack	Target destruction, minefield mapping
Guidance Systems	AI (optical camera or thermal imager)	AI-INS (+GNSS), AI guidance via thermal imager, optical camera, radar signal guidance (EW source), passive and active acoustics	
Structural Features	Compactness, mobility	Versatility, modularity	Power, scalability

TLK-200

■ Purpose: Delivery of payloads over short underwater distances.

■ Equipment:

- Electric motors.
- Navigation systems (GPS).
- FHSS for secure communication (control and video).
- Optical camera or thermal imager.

■ Missions: Short tasks at limited depths up to 30 meters.

TLK-400

■ Purpose: Reconnaissance, attacking surface and underwater objects.

■ Equipment:

- Hybrid powertrain enabling autonomous operation for up to 60 days.
- Sonars, thermal imagers, cameras for target identification.
- Satellite communication and FHSS.
- Passive acoustics (target classification by acoustic signatures).

■ Missions: Short tasks at limited depths up to 30 meters.

TLK-1000

■ Purpose: Destruction of large stationary objects, attacking targets in combat zones.

■ Equipment:

- Powertrain enabling a range of up to 2000 km.
- Four integrated neural networks (optical, thermal imaging, acoustic, and inertial navigation neural networks).
- Satellite communication and FHSS for stable communication.
- Targeting radar signal sources (EW).
- Ability to carry up to 5 tons of explosives.

■ Missions: Short tasks at limited depths up to 30 meters.



LIUT

Reconnaissance and strike robotic system

Reconnaissance and strike robotic system «Liut» is designed for:

- surveillance at combat positions;
- detecting enemy firing positions;
- diverting the enemy's attention;
- hitting of personnel, armored, vehicles, unarmored vehicles and enemy firing positions;
- assault operations as part of assault groups to suppress enemy firepower.

Performance characteristics:

Radio control channel communication range:

on open area
up to 2 km
on rough terrain
up to 0,6 km

Full weight:
350±10 kg

Dimensions:
1330x1000 mm
height of the upper platform base
545±15 mm
height with combat module
1030±15 mm
clearance
165±15 mm

Weapon:
7,62 caliber machine gun

Maximum speed on paved roads:
8 ±1 km/h
off-road
6 ±1 km/h

Range on paved roads:
16 km
off-road
12 km

Tactical range:
up to 2 km
If there is an appropriate digital connection:
up to 7 km

Protection level (tightness) of the UGV corps:
dust and moisture protected (IP 65)

Wheels:
Puncture-proof



VOLIA-E

Logistics (evacuation) unmanned ground vehicle

The “Volia-E” UGV is designed for tasks related to the evacuation of wounded personnel, transportation of humanitarian and military cargo, and remote execution of operator commands for attached equipment.

- Track chassis for improved off-road mobility.
- High ground clearance, low profile, and center of mass;
- Compact dimensions allowing transportation in an SUV trunk or pickup truck bed.

Combat Specifications:

Communication range via radio:
Open terrain
3 km
Rough terrain
1 km

Operating range on a single battery charge:
Paved roads
22 km
Off-road
15 km

Max speed:
On paved roads
12 km/h
On rough terrain
10 km/h

Technical Characteristics:

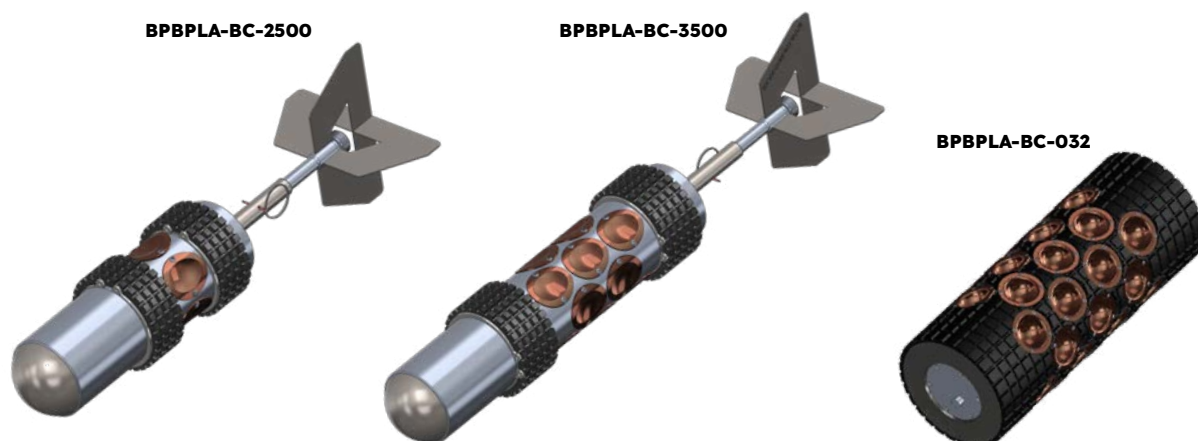
Weight
200 kg

Payload capacity
150 kg

Communication channels:
Control and telemetry
868 MHz
Video
5800 MHz

Dimensions
1330x990x1160 mm

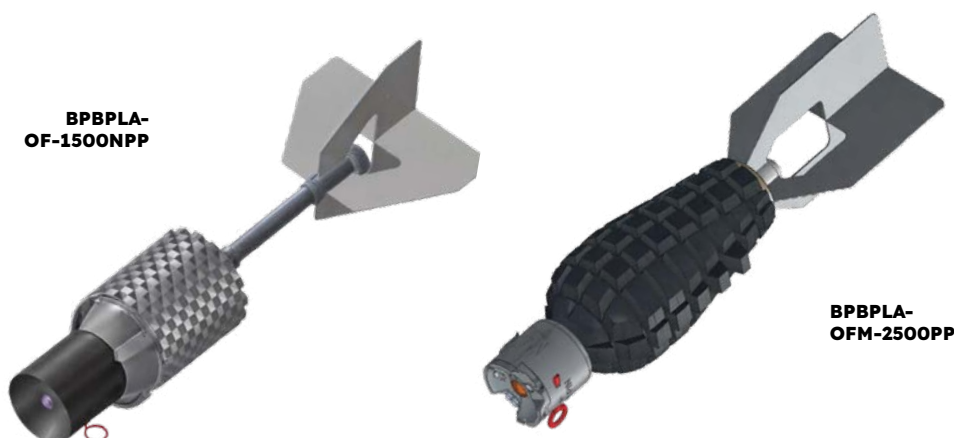
Ground clearance
250 mm



MULTI-PURPOSE, COMBINED-ACTION AMMUNITION

It is intended for the destruction of armored and unarmored vehicles, manpower, concrete or wood-earth firing points and fortifications of increased protection. It can be applied with a «kamikaze» type carrier by equipping it with an electro-mechanical detonation initiation system of the UAV-EMI-K type.

Parameter	BPBPLA-BC-2500	BPBPLA-BC-3500	BPBPLA-BC-032
Effect	combined cumulative and high-explosive fragmentation effect		
NATO SN	NSN: 1325-61-016-9869	NSN: 1325-61-016-9868	
Weight, kg	2,7±0,2	4,0±0,2	32±1
Length, mm	415±5	550±5	630±5
Warhead diameter, mm	90±2	95±2	195±2
Guaranteed activation from dropping from a height, m	4±0,15	4±0,15	—
Guaranteed non-activation from dropping from a height, m	1+0,1	1+0,1	—
Maximum activation angle relative to the earth surface, not more, in degrees	30±2°	30±2°	—
Minimum stabilization height, not less than m	50±2	50±2	—
Guaranteed number of formed fragments, not less, pcs	300±20	500±20	1225
Number of cumulative lateral cores	5	15	35
Armor penetration, not less than, mm	100±5	120±5	400±20
Armor penetration of cumulative flow, m	0,2...0,6	0,2...0,6	0,4...1
Radius of a saturation, not less than, m	15±2	20±2	40±2
The quantity of explosives, not less than, grams	720±30	1500±50	15000±200



HE AIR BLAST FRAGMENTATION AMMUNITION

Designed for defeating enemy manpower, lightly armored targets and light field fortifications. It is possible to use it with a «kamikaze» type carrier by equipping it with an electro-mechanical detonation initiation system of the UAV-EMI-K type.

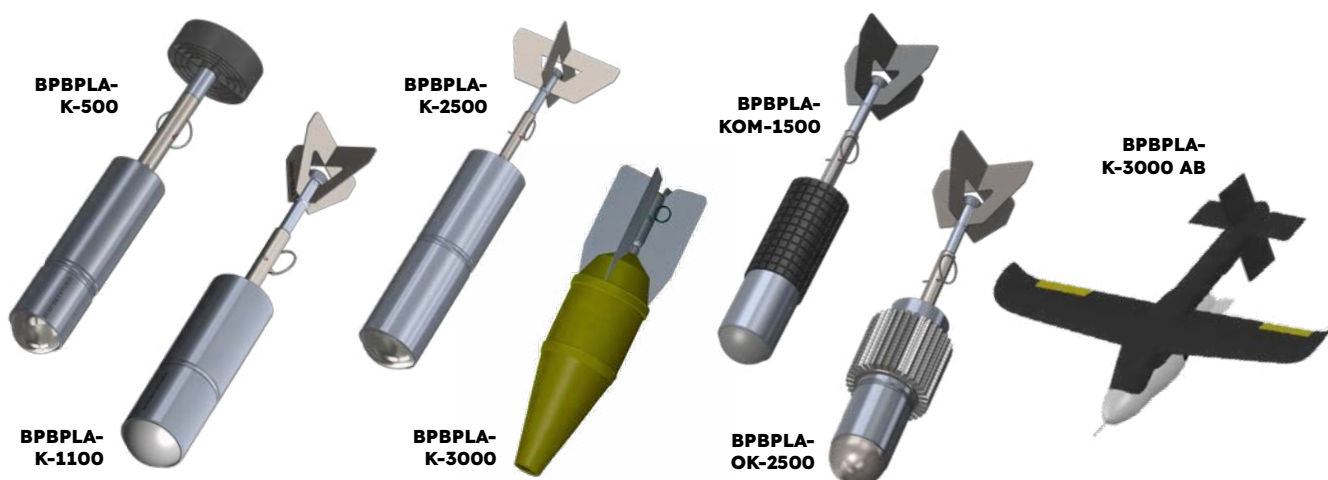
Parameter	UAV-OF-1500NPP	UAV-OFM-2500PP
Effect	Above-ground blast of high-explosive fragmentation effect	
NATO SN	NSN: 1325-61-017-9530	
Weight, kg	1,5±0,1	2,5±0,2
Length, mm	300±5	300±5
The diameter of warhead, mm	65±2	82±2
Guaranteed activation from dropping from a height, m	—	—
Guaranteed non-activation from dropping from a height, m	—	—
Guaranteed operation when dropping from a height at a distance from the surface, not less than, m	1±0,2	1±0,2
The maximum angle of activation relative to the earth surface, not more, in degrees	—	—
Minimum stabilization height, not less than m	40±2	40±2
Guaranteed number of formed fragments, not less, pcs	100±10	100±10
Radius of saturation, not less than, m	10±0,5	10±0,5
The quantity of explosives, not less than, grams	140±10	320±10
The angle of the hemisphere of a saturation, not less, degrees	210 ° ±10 °	260 ° ±10 °



HIGH EXPLOSIVE FRAGMENTATION AMMUNITION

Designed for defeating enemy manpower, lightly armored targets and light field fortifications. It is possible to use it with a «kamikaze» type carrier by equipping it with an electro-mechanical detonation initiation system of the UAV-EMI-K type.

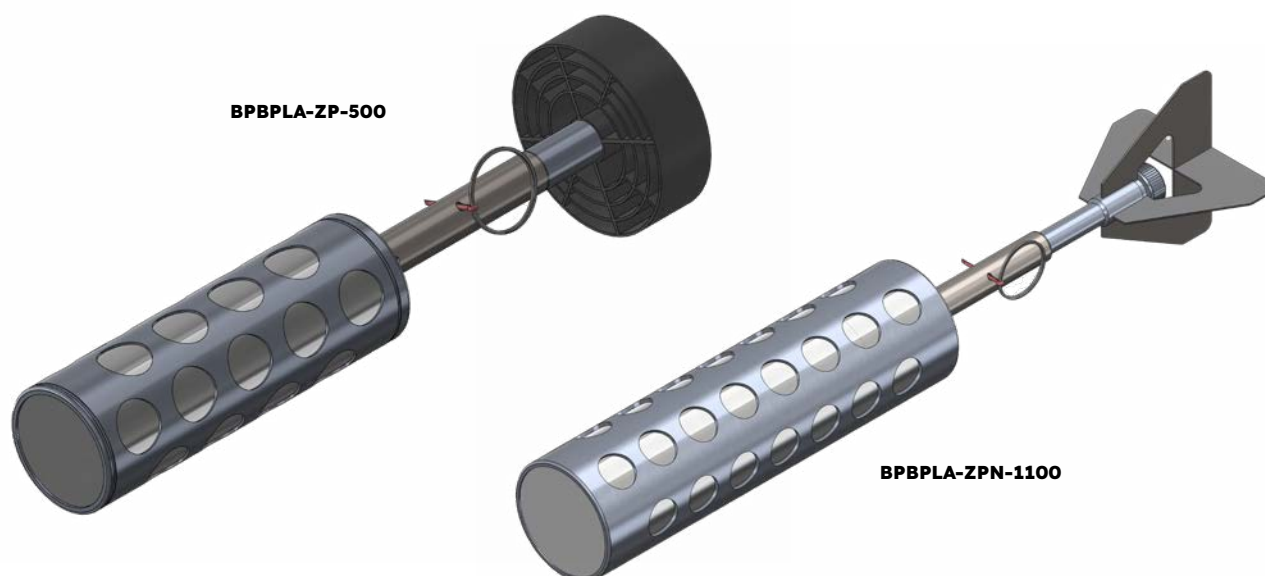
Parameter	UAV-OF-500	UAV-OF-1100	UAV-OF-2500	UAV-OFM-1500	UAV-OFM-2500
Effect	High-explosive fragmentation effect				
NATO SN	NSN: 1325-61-016-9865	NSN: 1325-61-016-9864	NSN: 1325-61-016-9863	NSN: 1325-61-016-9866	NSN: 1325-61-017-6334
Weight, kg	0,5±0,05	1,1±0,1	2,5±0,1	1,5±0,1	2,5±0,1
Length, mm	360±5	530±5	455±5	300±5	365±5
The diameter of warhead, mm	46±2	50±2	65±2	75±2	72±2
Guaranteed activation from dropping from a height, m	4±0,15	4±0,15	4±0,15	4±0,15	4±0,15
Guaranteed non-activation from dropping from a height, m	1±0,1	1,5±0,1	1±0,1	1,5±0,1	1±0,1
Guaranteed operation when dropping from a height at a distance from the surface, not less than, m	—	—	—	—	—
The maximum angle of activation relative to the earth surface, not more, in degrees	30±2°	30±2°	30±2°	30±2°	30±2°
Minimum stabilization height, not less than m	40±2	40±2	40±2	40±2	40±2
Guaranteed number of formed fragments, not less, pcs	300±5	300±5	420±10	320±5	1000±15
Radius of saturation, not less than, m	17±1	10±0,5	14±1	6±0,5	15±1
The quantity of explosives, not less than, grams	70±5	125±10	230±10	80±5	190±10
The angle of the hemisphere of a saturation, not less, degrees	—	—	—	—	—



CUMULATIVE AMMUNITION

Intended for damage and destruction of armored and lightly armored vehicles, as well as concrete or wood-earth defense constructions. It can be used with a «kamikaze» type carrier by equipping it with an electro-mechanical detonation initiation system of the UAV-EMI-K type.

Parameter	BPBPLA-K-500	BPBPLA-K-1100	BPBPLA-K-2500	BPBPLA-K-3000	BPBPLA-K-3000 AB	BPBPLA-KOM-1500	BPBPLA-OK-2500
Effect	cumulative effect					Fragmentary of cumulative effect	
NATO SN	NSN: 1325-61-017-6329	NSN: 1325-61-017-6330	NSN: 1325-61-017-9532	NSN: 1325-61-017-9531	NSN: 1325-61-017-9531	NSN: 1325-61-016-9870	NSN: 1325-61-017-6333
Weight, kg	0,5±0,05	1,1±0,1	2,5±0,1	3,7±0,2	4,7±0,2	1,7±0,2	2,5±0,2
Length, mm	250±5	370±5	500±5	460±5	800±5	400±5	430±10
The diameter of warhead, mm	50±2	65±2	90±2	126±2	126±2	75±2	85±2
Guaranteed activation from dropping from a height, m	4±0,15	4±0,15	4±0,15	4±0,15	4±0,15	4±0,15	4±0,15
Guaranteed non-activation from dropping from a height, m	1,5±0,1	1,5±0,1	1,5±0,1	1,5±0,1	1,5±0,1	1±0,1	1±0,1
The boundary angle of operation relative to the earth surface, not more, in degrees	25±2°	25±2°	15±2°	15±2°	15±2°	25±2°	30±2°
Minimum stabilization height, not less than m	40±2	40±2	60±2	60±2	60±2	40±2	40±2
Armor penetration, not less than, mm	40±3	120±5*	300±5	450±5	450±5	120±5*	120±5
Concrete with rebar break, not less than, mm	—	—	400±15	800±15	800±15	—	—
Radius of saturation, not less than, m	—	—	—	—	—	12±1	12±1
The quantity of explosives, not less than, grams	170±10	270±10	740±30	1870±20	1870±20	260±10	270±10
Guaranteed number of formed fragments	—	—	—	—	—	220±10	790±10



INCENDIARY AMMUNITION

Incendiary munition designed to burn wooden constructions, fuel and ammunition warehouses, dry forest, other flammable objects and underlying surfaces in the area of the enemy's location, as well as to destruct manpower and some types of military equipment (cars, tractors, etc.).

Parameter	BPBPLA-ZP-500	BPBPLA-ZPN-1100
Effect	incendiary effect	incendiary effect
NATO SN	NSN: 1325-61-017-6332	NSN: 1325-61-017-6331
Weight, kg	0,5±0,1	1,1±0,1
Length, mm	255±5	500±5
The diameter of warhead, mm	50±2	65±2
Guaranteed activation from dropping from a height, m	4±0,15	4±0,15
Guaranteed non-activation from dropping from a height, m	1,5±0,1	1,5±0,1
The maximum angle of operation relative to the earth surface, not more, in degrees	30±2°	30±2°
Minimum stabilization height, not less than m	40±2	40±2
Burning temperature, not less, °C	1200±20	1200±20
Minimum burning time, not less, seconds	45±10	250±10



CENSER, CENSER-M

Ammunition

CENSER

Spherical high-explosive fragmentation ammunition. One of peculiarities of the ammunition is not only penetrating capacity of non-armored vehicles but also effective destruction of personnel inside vehicle. The total spherical destruction range is 10 meters, making the ammunition a very effective destruction means in open battlefield as well as in dugouts and trenches.

CENSER-M

High-explosive fragmentation ammunition with Electronic Initiation Means, Magnetic Sensor, Two Safety Locks, and a Self-Destruction Mechanism. The ammunition has got the electronic control board which allows to carry out the standard explosion functions as well as to detect approaches of metal objects and to activate the explosion. The ammunition can lay on the battlefield for a long time and wait for targets to hit.

Parameter	CENSER	CENSER-M
Diameter of the warhead	100mm	100mm
Overall weight	1400+/-10g	1400+/-10g
Weight of explosive	600+/-20g	720+/-20g
Weight of striking elements	680+/-10g	680+/-10g
Weight of the striking element	7x7mm 0.9+/-0.3g	7x7mm 0.7+/-0.3g
Effective radius of spherical saturation (figure target)	10 meters	10 meters
	Mechanical initiation with pyrotechnical retarder	Electromagnetic initiation with two safety locks and self-destruction system



MALYUK

Ammunition

Ammunition is classified as combined munitions, featuring a cumulative-fragmentation effect with an inertial firing mechanism. Despite its small size and weight the ammunition is able to hit not only enemy personnel but also armored vehicles within ammunition hitting area.

Performance characteristics:

Diameter

50 mm

Length

274.5 mm

Overall weight

430+/-5g

Weight of explosive

125+/-5g

Weight of striking elements

150+/-5g

Weight of the damage element 7x7mm

0.9+/-0.3g

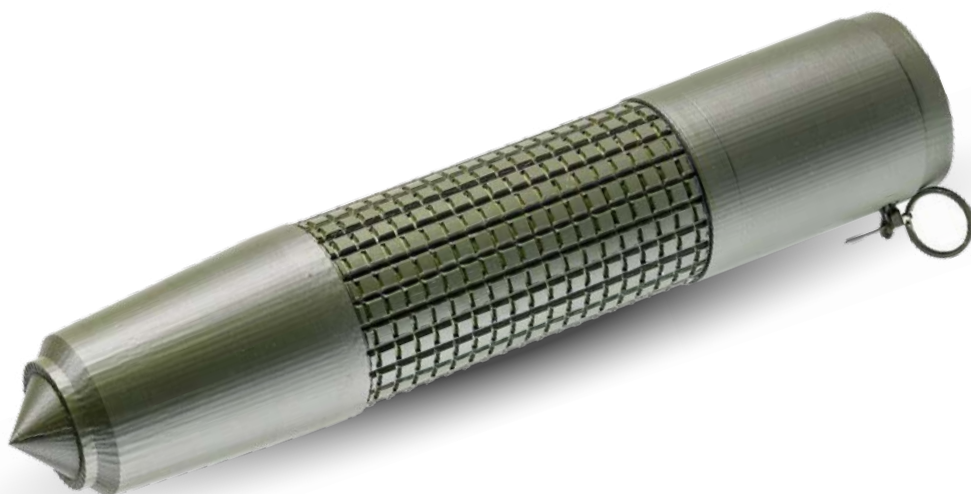
Mechanical initiation with two safety locks

Effective fragmentation radius

4 meters

Depth of arm or penetration

120 mm



BELLIED SNAKE

Ammunition

Combined Ammunition.
Cumulative-Fragmentation
Type with Electronic Initiation
System, Two Safety locks and
Self-Destruction Mechanism.
The ammunition has been
designed as a multipurpose
device of cumulative-
fragmentation effect for use
with kamikaze drones.

Performance characteristics:

Diameter of the warhead
63,5 mm

Length
350 mm

Overall weight
1300 +/- 10 g

Weight of explosive
530 +/- 20 g

Weight of striking
elements
585 +/- 10 g

Weight of the striking
element 7x7 mm
0.9 +/- 0.3 g

Effective
fragmentation radius
10 meters

Depth of armor penetration
200 mm



SM-1

Ammunition

Combined Ammunition. Cumulative-Fragmentation Type with Electronic Initiation System, Two Safety Locks and Self-Destruction Mechanism. This type of ammunition has been designed for particular use with drones to effectively destroy the armored vehicles (tanks, APC, IFV) due to optimal combination of explosive weight and successful combination with fragmentation body.

Performance characteristics:

Diameter of the warhead
102 mm

Length
300 mm

Overall weight
4500 +/- 10 g

Weight of explosive
2750 +/- 20 g

Weight of striking elements
1500 +/- 10 g

Weight of the striking element
7x7 mm 0.9 +/- 0.3 g

Effective fragmentation area
15 meters

Depth of armor penetration
600 mm

UKRSPECEXPORT



State Company for Export and Import of Military
and Special Products
and Services UKRSPECEXPORT

36, Dehtiarivska str., Kyiv, 04119, Ukraine

+380 (44) 461-94-27

+380 (44) 461-97-59

+380 (44) 489-07-58

info@ukrspecexport.com

www.ukrspecexport.com

