

UALITY CONTROL

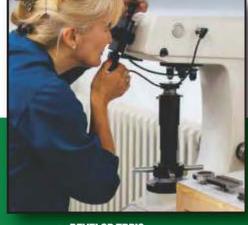
:OMPLIANCE

Capabilities



- IDENTIFY DEMAND
- PROVIDE SOLUTIONS
- PROPOSAL
- CONTRACT
- SOURCING
- EXPERIENCED STAFF
- SUPPLY NETWORK
- TRUSTED PARTNERS
- PROVEN SUPPLIERS
- VALUE ADDED SEVICES





- DEVELOP TDP'S
- VALIDATE SPECS
- IN PROCESS AUDITS
- MATERIAL TESTING
- INSPECTIONS
- SUBJECT MATTER EXPERT
- FACTORY ACCESS
- THIRD PARTY LABS
- **BU MIL TRAINED STAFF**
- MOD RANGE ACCESS



- MULTI-MODAL
- MATERIAL PREPARATION
- WAREHOUSING
- SCHEDULING
- AUTHORIZATION
- AIR FREIGHT
- OCEAN FREIGHT
- INTER COMMUNITY
- HAZMAT SPECIALISTS
- COMPLIANCE



- DOMESTIC LICENSING

- EXPORT LICENSING
- TRANSIT PERMITS
- POLICE PERMITS
- DVC'S
- **BU LICENSING EXPERTS**
- COMPLIANCE OFFICER
- FOREIGN AGENTS
- **CUSTOMER RELATIONS**
- CUSTOMS COMPLIANCE

Assault Rifles



Submachine Guns



Light MachinGuns



Sniper Rifles



Machine Guns



Automatic Grenade Launchers



Underbarrel Grenade Launchers



Pistols















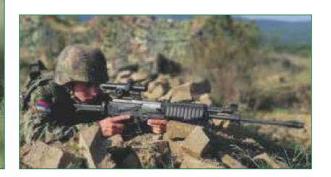




Assault Rifles















Technical Specifications APT556

APT556 (10.5")

CALIBER	5.56x45mm NATO	5.56x45mm NATO
TYPE	Gas Operated	Gas Operated
DADDEL LENGTU	270mm /4.4 E"\	270mm /10 E"\

APT556 (14.5")

Gas Operated	Gas Operated
370mm (14.5")	270mm (10.5")
6 Grooved-Land	6 Grooved-Land
795mm - 895mm (31.3" - 35.3")	695mm - 795mm (27.4" - 31.3")
65,6mm (2.58")	65,6mm (2.58")
185mm (7.28")	185mm (7.28")
3480g (7.7 lbs)	3350g (7.4 lbs)
30 Rounds (AR15 Compatible)	30 Rounds (AR15 Compatible)
Semi-Auto / Full-Auto	Semi-Auto / Full-Auto
2.5kg - 4kg (5.5 lbs - 8.8 lbs)	2.5kg - 4kg (5.5 lbs - 8.8 lbs)
	370mm (14.5") 6 Grooved-Land 795mm - 895mm (31.3" - 35.3") 65,6mm (2.58") 185mm (7.28") 3480g (7.7 lbs) 30 Rounds (AR15 Compatible) Semi-Auto / Full-Auto

MDC AR-15 RIFLE



Technical Specifications

Caliber 5,56 x 45mm NATO
Action Gas operated full-auto
Barrel Length 0.5 inch - 14.5 inch - 16 inch
Barrel Twist 0.5 inch - 14.5 inch - 16 inch
Maximum effective range 550 meters
Safety Standard safety
Origin Türkiye

MDC AR-15 RIFLE



AR 15 rifles are a polpualr option for home defense and sport shooting. We carry a variety of the best AR15's and carbines.

A light weight, gas-operated semi-automatic and full-automatic rifle



MDC 9MM

SUBMACHINE GUN

Submachine gun, a lightweight automatic small-arms weapon chambered for pistol cartridges and fired from the hip or shoulder.

A magazine-fed, Semi-Auto and Automatic, designed to fire handgun cartridges.



Barrel length	6" (155mm)
Barrel Twist	1:10
Caliber	9x19 mm NATO
Overall Length	522 mm without muzzle break 545 mm with muzzle break
Weight (w/o optics)	2, 4 kg
Height without magazine	198 mm
Width	55mm
Operation	Blowback, Closed Bolt
Foward Assist	No
Trigger Pull Weight	3 Kg
Fire Selector	Safe, Semi-Automatic Full-Automatic
Standart Magazine Capacity	17 Rounds - 33 Rounds
Magazine Weight	17 Rounds 76 gr./33 Rounds 127 gr.
Muzzle Velocity (approx.)	4 20 m/s
Rate of Fire	Approximitely 800-900 RPM
Barrel Life	15 000 rounds minimum
Parts Life	12 000 rounds minimum
Other	Stainless stell small parts, improved low mass bolt, long-life springs
Origin	TÜRKİYE

MPT-76 (7.62 mm x 51 NATO)

NATIONAL INFANTRY RIFLE



MPT-55 / 55K (556 mm x 45 NATO)

INFANTRY RIFLE

Calibre

Accuracy

Weight

Lenght

Groove

Working Principle

Magazine Capacity

Muzzle Velocity

Effective Range Barrel Length

Rate of Fire

Type of Fire Buttstock

Trigger Force

M	P	[-5	5
5.56 mm	x 45	NAT)

Rotary Bolt Action

20-30 Newton

800/884 mm

800 ± 100 rds/min

Semi/Full Automatic

Telescobic, 84 mm, 6 stages

850 m/s

4 MOA

3300 gr

400 m

368.5 mm

30

6

Short Stroke, Gas Operated

5.56 mm x 45 NATO
Short Stroke, Gas Operated
Rotary Bolt Action
800 m/s
4 MOA
20-30 Newton
30
3000 gr
730/814 mm
400 m
279.4 mm
800±100 rds/min
Semi/Full Automatic
Telescobic, 84 mm, 6 stages

MPT-55K

1

JWK BORA - 12 (7.62 mm x 51 NATO)

SNIPER RIFLE



KNT-76 (7.62 mm x 51 NATO)

SEMI-AUTOMATIC SNIPER RIFLE





MP5 A3 (9 mm x 19)

SUBMACHINE GUN

Calibre	9 mm x 19 Parabellum
Muzzle Velocity	350 m/s
Magazine Capacity	30
Lenght	525/690 mm
Weight	3025 g
Groove	6
Effective Range	100 m
Barrel Length	225.3 mm
Rate of Fire	800 rds/min
Type of Fire	Semi/Full Automatic
Buttstock	Retractable



Assault rifle M21 A. in NATO caliber 5.56x45 mm. was designed on the basis of Kalashinkov system. It is a gas operated rifle, and locking system is rotating bolt.





Models of assault rifles with mark BS have built-in Picatinny rails, in accordance with NATO standard, on the receiver cover and handguards. There are more possibilities for the mounting of various types of optical-electronic devices.

Assault rifle M21 S was developed from M21 A, with shortr barrel, which created a more compact weapon, suited to the conditions of contemporary combat actions. It is a gas operated weapon, and locking system is rotating bolt.





Assault rifle designed on the basis of Klashinkov principle is used by armed forces in the whole world for more than 40 years since it first appeared. It is still very popular because it confirmed its reliability in all environments.

Assault rifle M21 S was developed from M21 A, with shorter barrel. Good solutions for the ergonomics, with excellently balanced wight, provide mild recoil and easy control of fire.





Assault rifle M70 B3 was created by modification of M70 B1, to provide the possibility of mounting of Russian type underbarrel grenade launchers - model BGP 40 mm. handguards and stock are made of quality beech.

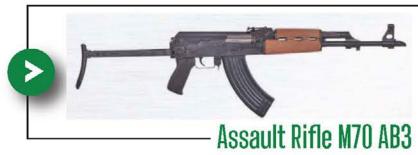
MOREL	CALIBER	TWIST RATE	BARREL LENGHTH	MALIGUE	WEIGHT OF MAGAZINE	RATE OF FIRE
MODEL	CALIBEK	INISI KAIE	BAKKEL LENGTITI	WEIGHT	WEIGHT OF PROMINE	KAIEUFFIKE
M21 A	5.56x45 mm	177.8 mm	460 mm	4,15 kg	0,35 kg	600 ± 50 rds/mlr
M21 S	5.56x45 mm	177.8 mm	375 mm	4,07 kg	0,35 kg	600 ± 50 rds/mir
M21 ABS	5.56x45 mm	177.8 mm	460 mm	4,30 kg	0,35 kg	600 ± 50 rds/mir



TECHNICAL CH	HARACTERISTICS					
MODEL	CAUBER	TWIST RATE	BARREL LENGHTH	WEIGHT	WEIGHT OF MAGAZINE	RATE OF FIRE
M21 A	5.56x45 mm	177.8 mm	460 mm	4,15 kg	0,35 kg	600 ± 50 rds/min
M21 S	5.56x45 mm	177.8 mm	375 mm	4,07 kg	0,35 kg	600 ± 50 rds/mln
M21 ABS	5 56x45 mm	177.8 mm	460 mm	4.30 kg	0.35 kg	600 + 50 rds/min

The rifle has long service life and exceptional precision, as the barrel is cold forged. Locking system is designed in such a manner that the rifle cannot fire before it is fully locked, which ensures the safety of the shooter.





Assault rifle M70 AB3 was created by modification of M70 AB2, to provide the possibility of mounting of Russian type under-barrel grenade launchers model BGP 40 mm.

Assault rifle M21 S was developed from M21 A, with shorter barrel. Good solutions for the ergonomics, with excellently balanced weight, provide mild recoil and easy control of fire.



Felescopic Stock





OManufactured from high quality polymer that is as durable as metal counterparts.



FECHNICAL CHARACTERISTICS MINIST CALIBER TWIST RATE RADGEL LENGHTH WEIGHT WEIGHT OF MAGAZINE RATE OF FIRE M70 AB2 7.62x39 mm 240 mm 415 mm 3.97 kg 0.37 kg 620 ± 60 rds/mln M70 AB3 7.62x39 mm 240 mm 415 mm 3,90 kg 0,37 kg 620 ± 60 rds/mln 0,25 kg 620 ± 60 rds/mln 7.62x51 mm 304,8 mm

erbarrel Grenade

At customer's request in set can launcher BGP 40 mm, and Underbarrel prepade 40x46 mm.



Submachine gun M21 is a compact weapon, of light weight and it fulfils all requirements of contemporary combat actions. Type of fire is selected by ambidextrous lever, which has three positions: single shot, burst, safe.





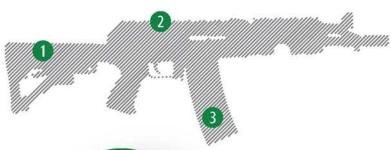
Integrated Picatinny rails, on the receiver cover and handguards, enable the assembly of various optical-electronic devices. Flash hider masks the position of the shooter.

Submachine gun M92 is a light and compact automatic weapon designed on the basis of Klashinkov principle. It is excellently balanced and with mild recoil, it confirmed its reliability in various environments.





On customer's demand, optical sight can be assembled to improve rifle precision.



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At customer's request in set can be included Underbarrel grenade launcher BGP 40 mm, and Underbarrel grenade launcher BGP 40x60 mm.

Polymer Magazine



Manufactured from high quality polymer that is as durable as metal counterparts.



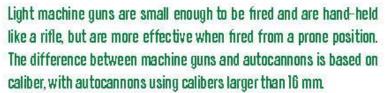




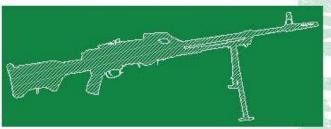
Light Machine guns



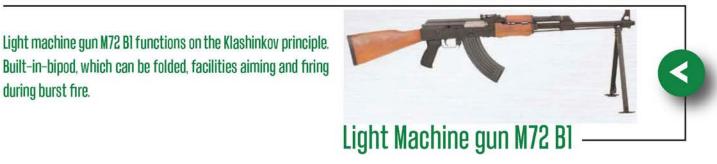














The weapon is fed from a magazine with the capacity of 20 rounds, which is the same for all automatic weapons in cal. 7.62 x 51 mm produced in Zastava Arms.

Light machine gun PKM is intended to be used by infantry units and its main feature is excellent precision at large distances. Bipod and mild recoil provide precise firing.

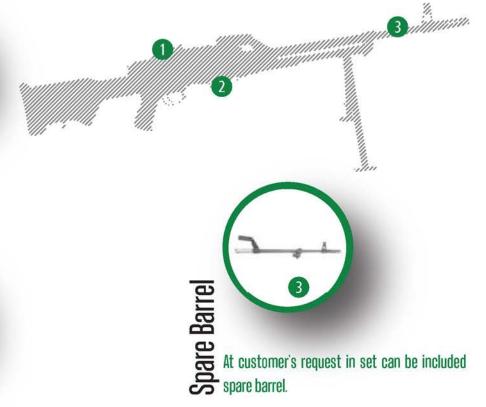


Light Machine gun PKM 7,62 x54 mm

Optical Sight with Mount



On customer's demand, optical sight can be assembled to improve rifle precision.





On customer's demand. provide belt filler. Manufacturer's recommendation is 1 belt filler per 3 light machine guns.

CHNICAL CHARACTERISTICS						
CALIBER	TWIST RATE	BARREL LENGHTH	WEIGHT	WEIGHT OF MAGAZINE	RATE OF FIRE	
7.62x39 mm	240 mm	542 mm	5,37 kg	0,37 kg	620 ± 60 rds/min	
7.62x51 mm	304.8 mm	535 mm	5,45 kg	0,25 kg	620 ± 60 rds/min	
7.62x54 mm	240 mm	603 mm	8,8 kg	0,35 kg	700-800 rds/min	
	7.62x39 mm 7.62x51 mm	CALIBER TWIST RATE 7.62x39 mm 240 mm 7.62x51 mm 304.8 mm	CALIBER TWIST RATE BARREL LENGHTH 7.62x39 mm 240 mm 542 mm 7.62x51 mm 304.8 mm 535 mm	CALIBER TWIST RATE BARREL LENGHTH WEIGHT 7.62x39 mm 240 mm 542 mm 5,37 kg 7.62x51 mm 304.8 mm 535 mm 5,45 kg	CALIBER TWIST RATE BARREL LENGHTH WEIGHT WEIGHT OF MAGAZINE 7.62x39 mm 240 mm 542 mm 5,37 kg 0,37 kg 7.62x51 mm 304.8 mm 535 mm 5,45 kg 0,25 kg	

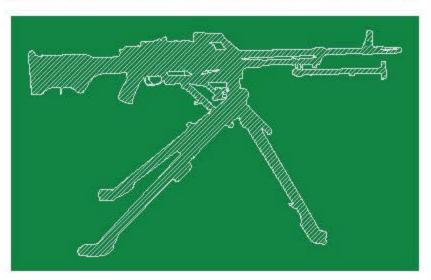
Machine guns







A machine gun is a fully automatic mounted or portable firearm, usually designed to fire bullets in quick succession from an ammunition belt or magazine, typically at a rate of several hundred rounds per minute.













Machine gun M87 -

Machine gun M87 is a licensed product based on Soviet NSV, the best heavy machine gun ever made. The design of the machine gun provides reliable function, without stoppages, in all environments. Quick and easy change of height is achieved with elevation system placed in rotating base.

*Naval version of a machine gun M87 is formed by mounting to rotating base that is placed on a bell shaped mount. It is mounted on a vessel or vehicle by connecting the mount to the foundation with bolts. Quick and easy change of height is achieved with elevation system placed in rortating base.



Machine gun MO2 Coyote is formed by mounting the machine gun M87 to the cradle connected with the tripod. Pistol trigger mechanism, stock with springs and optical sight provide precise fire. After firing, cartridge cases are ejected forward, which incrases the safety of the shooter and the crew around him.



Machine gun M86 is intended for mounting on tanks and combat vehicles, as a gun fixet to turret. Firing without direct contact with machine gun is achieved through electric trigger. Mechanical triggering is enabled through the lever on electric trigger.

CHNICAL CHARACTERISTICS						
MODEL	CALIBER	TWIST RATE	BARREL LENGHTH	WEIGHT	BELT CAPACITY	RATE OF FIRE
M86	7.62x54 mm	304.8 mm	780 mm	11,6 kg	250 rds	700-800 rds/min

MODEL	CALIBER	TWIST RATE	BARREL LENGHTH	WEIGHT	WEIGHT OF MOUNT	RATE OF FIRE
MODEL	CALIDER	I MIST WHE	DANKEL LENGTITI	WEIGHT	MEIONI OF MOORI	MAIL OF FIRE
M87	12,7x108mm .50Browning	381 mm	1,100 mm	125,8 kg	1 01 kg	700 rds/mi
102 Coyote	12.7x108mm .50 Browning	381 mm	1,100 mm	48,8 kg	24 kg	700 rds/mii

Sniper Rifles







In military and law enforcement terminology, a sniper rifle is a precision-rifle used to ensure more accurate placement of bullets at longer ranges than other small arms. A typical sniper rifle is built for optimal levels accuracy, fitted with a telescopic sight and chambered for a military centerfire cartridge.



Sniper rifle M07 is designed on the basis of famous Mauser M98 action. Heavy Barrel is made of chrome-vanadium steel, by cold forging, which guarantees exceptional precision, accuracy and long service life.





Semiautomatic sniper rifle M91 is designed on the basis of well-known Klashinkov system. Basic request of police and army forces - exceptional precision at large distances - is fulfilled and confirmed in extreme environments.

The action receiver is of polygonal shape, with built-in Picatinny rail, which enables the assembly of optical devices, trigger mechanism with single trigger can be finely adjusted. Folding stock is made of pomymer.





Long range rifle M93 is designed on the basis of Mauser action M98, which is proven to be precise and reliable system of bolt-action guns. Its purpose is ellimination of various types of targets at large distances, up to 1,800 m, in all environments.

Thread on the muzzle enables the assembly of accessories (gas or masking), and it is protected by a threaded rimg. The height of the cheek pad can be adjusted and the lenght of the stock is changed by changing the number of inserts.



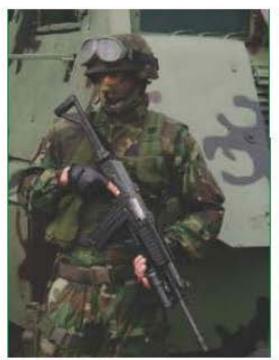


Picatinny rail, made together with the action from one piece, enables the assembly of various types of optical devices. Its purpose is ellimination of various types of targets at large distances, up to 1,800 m, in all environments.

ECHNICAL CHARACTERISTICS						
MODEL	CALIBER	TWIST RATE	BARREL LENGHTH	WEIGHT	WEIGHT OF MAGAZINE	MAGAZINE CAPACITY
M07	7.62x51 mm	254 mm	650 mm	5,4 kg	0,11 kg	5 rds
M07 AF	7.62x51 // 7.62x54 mm	254 // 240 mm	650 mm	6,27 kg	0,11 kg	5 rds
M07 AS	7.62x51 // 7.62x54 mm	254 // 240 mm	650 mm	6,42 kg	0,11 kg	5 rds

MODEL	CALIBER	TWIST RATE	BARREL LENGHTH	WEIGHT	MAGAZINE CAPACITY	MAGAZINE WEIGHT
M91	7.62x54 mm	240 mm	620 mm	5,50 kg	10 rds	0,2 kg
M93 Black Arrow	12.7x108 mm	381 mm	1,007 mm	16,7 kg	5 rds	0,76 kg
M12 Black Spear	12.7x108 mm	381 mm	1,007 mm	13,46 kg	5 rds	0,78 kg

Automatic & Underbarrel Grenade Launchers









A grenade launcher is a weapon that fires a specially-designed large-caliber projectile, often with an explosive, smoke or gas warhead. The most common type are man-portable, shoulder-fired weapons issued to individuals, although larger crew-served launchers are issued at higher levels of organisation by military forces.

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The purpose of underbarrel grenade launcher BGP - 40 mm M70 is the assembly to assault rifles M70 B1 and M70 AB2. Underbarrel grenade launcher PBG - 40 mm M70 can function only when it is mounted to an assault rifle; it cannot function on its own.





The purpose of underbarrel grenade launcher BGP-40 mm is the assembly to assault rifles M70 B3, M70 AB3 and all assault rifles in group M21. This is a muzzle loaded weapon. It can fire grenades with anti-personnel, anti-tank, incendiary, smoke and training projectiles.

Underbarrel Grenade Launcher PBG-40 mm

This is a muzzle loaded weapon. It can fire grenades with anti-personnel, anti-tank, incendiary, smoke and training projectiles. The interior of the barrel is chrome plated, which provides long service life and precision of the weapon.



Underbarrel Grenade Launcher BGP-40x46 mm



Automatic Grenade Launcher M93

Automatic grenade launcher M93 is an infantry weapon intended for annihilation of covered and uncovered live forces at distances up to 1,700 m, as well as for distruction of light armoured combat means at distances up to 1000 m. Reliability of its functioning in various climates and terrains was confirmed by strict testing methods, in accordance with military standards.

ECHNICAL CHARACTERISTICS								
MODEL	CALIBER	TOTAL LENGTH	BARREL LENGHTH	WEIGHT	MAXIMUM EFFECTIVE RANGE			
M93	30 mm	1,305 mm	300 mm	38 kg	1700 m			

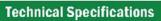


TECHNICAL CHAR	Andread of the Control of the Contro				
MODEL	CALIBER	TOTAL LENGTH	BARREL LENGHTH	WEIGHT	TYPE OF FIRE
M70	40 mm	323 mm	120 mm	1,5 kg	Single shot
PBG-40 mm	40 mm	323 mm	120 mm	1,5 kg	Single shot
BGP-40x46 mm	40x46 mm	315 mm	235 mm	1,6 kg	Single shot

REPKON (40 MM AUTOMATIC)

GRENADE LAUNCHER "RDS40-AGL"





Maximum Range	2000 meters+
Maximum Effective Range	1500 meters (Point Target)
	2000 meters (Area Target)
Rate of Fire	300 - 375 rounds per minute
Ammunition	HE, HEDP, TP, TPT (all high velocity 40 mm NATO-qualified
Oprerational Temparature	Minus 32° to plus 52° Centigrade
Firing Mode	Full Automatic
Weight	35 kg (w/o mount and tripod)
Caliber	40 mm
Muzzle Velocity	240m/secs
Operating Principle	Recoil operated, Blowback
Feeding Direction	Left Side
Length	1085 mm
Width	337 mm
Height	225 mm
Barrel Length	413 mm
Number of groves	24
Accuracy	At 300 Ms Acceptable Deviation Standards are:
	a- Horizontal: 1 Meter b- Vertical: 1 Meter

Pistols









Handguns come in a wide array of types for a variety of purposes and needs. The most common types of pistol are the single shot, and semi-automatic. Single shot handguns were mainly seen during the era of flintlock and musket weaponry where the pistol was loaded with a lead ball and fired by a flint striker, and then later a percussion cap.

Pistol EZ9 is a modern weapon used as a service gun or a personal defence gun. Due to excellent design solutions, this weapon stands out with its presision, accuracy and functionality. The design of pistols EZ9 and EZ 40 differs only in caliber.



Pistol EZ 9 / EZ 40



Pistol CZ999 Compact is a version of pistol CZ999 Scorpion. To achieve better compactness of the weapon, its length was modified and the ballistic performances of basic model are preserved.

Pistol CZ 999 Compact

Pistol EZ9 Compact is a version of Pistol EZ9. To achieve better compactness of the weapon, its lenght was modified and the ballistic performances of basic model are preserved.



Pistol EZ 9 Compact / EZ 40 Compact



Lux pistols is common name for all standard Zastava pistols with specific handgrip covers (wooden with various tpes of protection; rubber), modified finish and protection of metal parts. Exclusive pistol is common for all standard Zastava pistols with carved handgrip covers, modified surface machining and finish of handgrip covers, engraved metal parts, modified surface machining and finish of metal parts, previous metals.

The pistol is a semi-automatic weapon, functioning on the short recoil of the barrel principle. Locking is achieved by vertical oscilliation of the barrel, that comes into the hole on the slide. The pistol can function as a single action or double action gun.



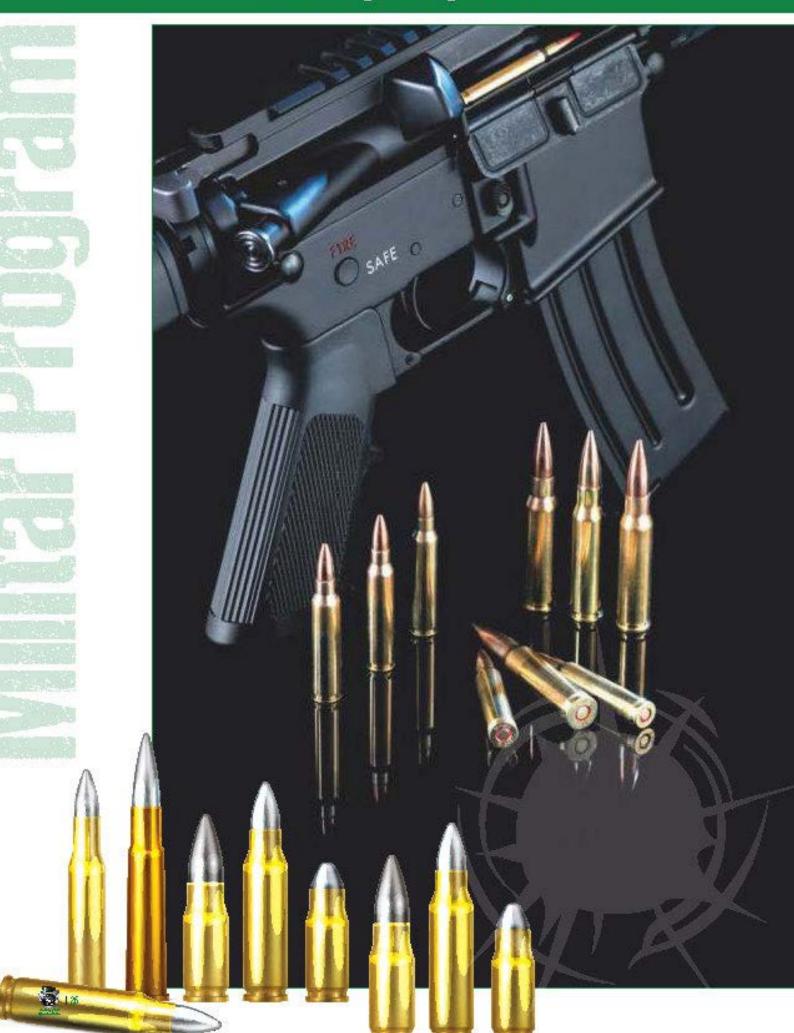
Pistol CZ 999

TECHNICAL CHARACTERISTICS									
MODEL	CALIBER	CAPACITY	BARREL LENGHTH	WEIGHT	HEIGHT	TOTAL LENGTH			
EZ 9 / EZ 40	9 mm PARA / .40 S&W	10 / 15 / 11 rds	108 mm	0,95 kg	140 mm	198 mm			
EZ 9 Compact / EZ 40 Compact	9 mm PARA / .40 S&W	10 / 15 / 11 rds	108 mm	0,95 kg	140 mm	198 mm			
CZ 999	9 mm PARA	10 / 15 rds	108 mm	0,94 kg	140 mm	198 mm			

TECHNICAL CHARACTERISTICS								
MODEL	CALIBER	CAPACITY	BARREL LENGHTH	WEIGHT	HEIGHT	TOTAL LENGTH		
CZ 999 Compact	9 mm PARA	10 / 15 rds	98 mm	0,9 kg	140 mm	188 mm		



Military Program



Military Program

CALIBER	BULLET TYPE	BULLET MASS	CARTRIGE MASS	PRIMER	TEMPERATURE INTERVAL
5,56 x 45 mm NATO BALL SS 109 Rifle cartridge with steel core bullet	BALL	4 g 62 gr	12,1 g	Small rifle, Non corrosive, Non mercuric, Boxer	-54oC +52oC
5,56 x 45 mm BALL M855 Rifle cartridge with steel core bullet	BALL	4 g 62 gr	12,1 g	Small rifle, Non corrosive, Non mercuric, Boxer	-54oC +52oC
5,56 x 45 mm BALL M193 Rifle cartridge with lead-antimony bullet	BALL	3,56 g 55 gr	11,8 g	Small rifle, Non corrosive, Non mercuric, Boxer	-54aC +52aC
5,56 x 45 mm TRACER M856 Rifle eartridge with tracer bullet	BALL	4,1 g 63,3 gr	12,1 g	Small rifle, Non corrosive, Non mercuric, Boxer	-54oC +52oC
5,56 x 45 mm NATO TRACER L110 Rifle cartridge with tracer bullet	BALL	4 g 62 gr	12,1 g	Small rifle, Non corrosive, Non mercuric, Boxer	-54oC +52oC
5,56 x 45 mm BLANK M200 Rifle cartridge without bullet		05,040	6,9 g	Small rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
5,56 x 45 mm BLANK M200A1 (Long) Rifle cartridge without bullet			7,2 g	Small rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
5,56 x 45 mm 223 Remington MATCH	HP BT MATCH	4,47 g 69 gr	12,5 g	Small rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
5,56 x 45 mm 223 Remington MATCH	HP BT MATCH	4,86 g 75 gr	12,9 g	Small rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
7,62 x 51 mm NATO BALL M80 Rifle cartridge with	BALL	9,4 g 145 gr	24 g	Large rifle, Non corrosive, Non mercuric Berdan (A-009), Boxer (A-306)	-54°C +52°C
7,62 x 51 mm NATO TRACER M62 Rifle cartridge with	TRACER	9,4 g 145 gr	24 g	Large rifle, Non corrosive, Non mercuric Berdan (A-532), Boxer (A-412)	-54°C +52°C
7,62 x 51 mm SUBSONIC Rifle cartridge with lead/antimony core bullet	BALL	12,96 g 200 gr	24,8 g	Large rifle, Non corrosive, Non mercuric Berdan (A-568), Boxer (A-548)	-54°C +52°C
7,62 x 51 mm NATO BLANK M82 Rifle cartridge without bullet			12 g	Large rifle, Non corrosive, Non mercuric Berdan (A-445), Boxer (A-420)	-20°C +52°C
7,62 x 51 mm NATO MATCH M852 Rifle cartridge with	BALL	10,9 g 168 gr	25,5 g	Large rifle, Non corrosive, Non mercuric Berdan (A-525), Boxer (A-386)	-54°C +52°C
7,62 x 51 mm NATO SNIPER M118 lead/antimony core bullet	BALL	11,34 g 175 gr	25,8 g	Large rifle, Non corrosive, Non mercuric Berdan (A-526), Boxer (A-387)	-54°C +52°C
7,62 x 51 mm 308 Winchester MATCH	HP BT Match	10,1 g 155 gr	24,5 g	Large rifle, Non corrosive, Non mercuric, Boxer	-54°C +52°C
7,62 x 51 mm 308 Winchester MATCH	HP BT Match	12,3 g 190 gr	27 g	Large rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
7,62 x 39 mm BALL M67 Rifle cartridge with lead/antimony core bullet	BALL	8 g 123 gr	17,4 g	Large rifle, Non corrosive, Non mercuric, Boxer	-40°C +52°C
7,62 x 39 mm BLANK Rifle cartridge without bullet			9,7 g	Large rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
7,62 x 39 mm SUBSONIC M78 Rifle cartridge with lead/antimony core bullet	BALL	11,8 g 182 gr	20 g	Large rifle, Non corrosive, Non mercuric, Boxer	-40°C +52°C





Military Program

AND		- 14.45-15.14.14.15.15.15.15.15.15.15.15.15.15.15.15.15.	120000000000000000000000000000000000000			TEMPERATUR
CALIBER		BULLET TYPE	BULLET MASS	CARTRIGE MASS	PRIMER	INTERVAL
7,62 x 54 mm BALL M30 (J)	Rifle cartridge with lead/antimony core bullet	BALL	11,8 g 182 gr	24,9 g	Large rifle, Non corrosive, Non mercuric, Berdan 6,55 DTN	-40°C +52°C
7,62 x 54 BALL M87	Rifle cartridge with steel core bullet	BALL	9,6 g 148 gr	22,7 g	Large rifle, Non corrosive, Non mercuric, Berdan 6,55 DTN	-40°C +52°C
7,62 x 54 BALL BLANK	Rifle cartridge without bullet			22,7 g	Large rifle, Non corrosive, Non mercuric, Berdan (A-422), Boxer (A-392)	-20°C +52°C
7,62 x 54 mm SNIPER M03	Rifle cartridge with lead/antimony core bullet	SNIPER MO3	11,8 g 182 gr	24,9 g	Large rifle, Non corrosive, Non mercuric, Berdan 6,55 DTN	-40°C +52°C
7,62 x 54 mm SNIPER	Rifle cartridge with lead/antimony core bullet	SNIPER	11,8 g 182 gr	24,9 g	Large rifle, Non corrosive, Non mercuric, Berdan 6,55 DTN	-20°C +52°C
7,62 x 54 mm MATCH	Rifle cartridge with lead/antimony core bullet	303MK8 ²	12,3 g 190 gr	25,5 g	Large rifle, Non corrosive, Non mercuric, Boxer	-20°C +52°C
338 Lapua Magnum (8,60 x 70 m	Rifle cartridge with mail lead/antimony core bullet	BALL	16,2 g 250 gr	44 g	Large rifle magnum, Non corrosive, Non mercuric, Boxer	-54°C +52°C
338 Lapua Magnu	IM (8,60 x 70 mm)	HP BT	16,2 g 250 gr	44 g	Large rifle magnum, Non corrosive, Non mercuric, Boxer	-54°C +52°C
.50 BROWNING (12,1	x 99 mm) SNIPER	SOLID RMO6-2	47 g 725 gr	119 g	Large rifle 12,7, Non corrosive, Non mercuric, Boxer	-54°C +52°C
.50 BROWNING (Shiper Ball M3	12,7 x 99 mm) 3	Tombac jacket,Core with lea BALL, antimony+ steel core+lead coverage	^{1d/} 45,3 g 699 gr	116 g	Large rifle 12,7, Non corrosive, Non mercuric, Boxer	-54°C +52°C
.50 BROWNING (Blank	12,7 x 99 mm)	>		55 g	Large rifle 12,7, Non corrosive, Non mercuric, Boxer	-20°C +52°C
12,7 x 108 mm	SNIPER M09	SOLID MO9	51,3 g 792 gr	134 g	Large rifle 12,7, DSK Berdan	-54°C +52°C
12,7 x 108 r	nm BALL	BALL, Core with aluminium on the term of the core with lead/antimony	51,3 g ^{top} 792 gr	134 g	Large rifle 12,7, DSK Berdan	-54°C +52°C
12,7 x 108 r	nm BALL	BALL Jacket: Tombac plated stee	51,3 g 792 gr	134 g	Large rifle 12,7, DSK Berdan	-54°C +52°C

Pistol Submachine gun and Revolver ammunition

9 x 19 mm	Pistol cartridge With lead/antimony core bullet	BALL	7,45 g 115 gr	11,7 g	Small pistol, Non corrosive Non mercuric, Boxer	-54°C +52°C
9 x 19 mm	Pistol cartridge With lead/antimony core bullet	BALL	8,0 g 124 gr	12,1 g	Small pistol, Non corrosive Non mercuric, Boxer	-54°C +52°C
9 x 19 mm	Pistol cartridge With lead/antimony core bullet	SUBSONIC BALL	9,5 g 147 gr	13,7 g	Small pistol, Non corrosive Non mercuric, Boxer	-30°C +52°C
9 x 19 mm	Pistol cartridge With lead/antimony core bullet	BLANK		5,4 g	Small pistol, Non corrosive Non mercuric, Boxer	-20°C +52°C



Rifle Ammunition / Submachine Auun ammunition / Light Machine Gun Ammunition / Machine Gun Ammunition / Pistol Ammunition / Anticraft Machine Gun Ammunition



Prvi Partizan is modern company, one of the largest of this kind in the world. Company produces over 400 types of rifle, pistol, revolver and small arms ammunition. The beginning of 21st century is especially important for technological development of Prvi Partizan. The excellent quality of our products is achieved through the consistent application of our Quality management.

CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
22 HORNET	SP	2.90 g	50 / 2000	16.80 kg
222 REMINGTON	SP/FMJ BT	3.24 g	50 / 2000	12.40 kg
22-250 REMINGTON	SP/FMJ BT	3.24 g	50 / 2000	12.70 kg
243 WINCHESTER	SP	5.80 g	50 / 2000	13 kg
25-06 REMINGTON	HP/PSP	5.80 g	50 / 2000	13.40 kg
264 WINCHESTER MAGNUM	PSP	9.10 g	50 / 2000	16.20 kg
270 WINCHESTER	SP	8.40 g	50 / 2000	13.40 kg
30 CARBINE	SPRN/FMJRN	7.10 g	50 / 2000	6.80 kg
308 WINCHESTER	FMJ BT/SP/PSP BT/HP BT GROM	8 g	50 / 2000	2.50 kg
30-30 WINCHESTER	FSP	9.70 g	50 / 2000	11.80 kg
30-06 SPRINGFIELD	SP/PSP BT/HP BT/ FMJ/GROM/Z-GROM	8 g	50 / 2000	12.90 kg
300 WINCHESTER MAGNUM	SP/SPBT/SP SPBT/FMJ BT	9.40 g	50 / 2000	16.10 kg
300 WINCHESTER MAGNUM	SPBT/FMJ BT	9.70 g	50 / 2000	13.20 kg
338 LAPUA MAGNUM	FMJBT/HP BT	16.20 g	50 / 2000	19.50 kg
375 H&H MAGNUM	SPRN/FMJ	19.50 g	50 / 2000	18 30 kg
45-70 GOVERNMENT	SJFP	26.25 g	50 / 2000	20 kg
7 mm REMINGTON MAGNUM	PSP BT/GROM/HP/ SP/Z-GROM/FMJ BT	7.80 g	50 / 2000	15.60 kg
6 mm REMINGTON	SP	5.80 g	50/2000	13.10 kg
6.5 mm GRENDEL	FMJ BT/HP BT/SP	7.10 g	50 / 2000	10 kg
7.62 x 51 M80	FMJ BT	10 g	50 / 2000	12.60 kg

CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
6.5 x 52 CARCANO	SP/SP BT/ FMJ BT/SP RN	8 g	20 / 500	11.40 kg
6.5 x 55 SWEDISH	HP BT/SP/SP BT/FMJ BT/SP RN	7.80 g	20 / 500	12.50 kg
6.5 X 54 MANN-SCHOENAUER	SP RN	10.10 g	20 / 500	13 kg
6.5 x 57 MAUSER	SP/SP BT/ FMJ BT/SP RN	8 g	20 / 500	12.50 kg
7 mm - 08 REMINGTON	HP/PSP BT	7.80 g	20 / 500	12.50 kg
7 mm MAUSER	SP/GROM/Z-GROM/	9 g	20 / 500	13.30 kg
7 x 57 R	SP/GROM/	9 g	20 / 500	13.30 kg
7.5 x 54 FRENCH	Z-GROM/FMJ BT	9 g	20 / 500	17.20 kg
7.5 x 55 SWISS	FMJ	11.30 g	20 / 500	12.90 kg
7.62 x 39	FMJ BT/SP	8 g	20 / 500	18.50 kg
7.62 x 54 R	PSP/SP RN/FMJ	9.70 g	20 / 500	12.60 kg
7 x 64	SP BT/FMJ BT	9 g	20 / 500	13.80 kg
7.65 x 53 ARGENTINE	SP BT/FMJ BT/SP BT	9.7 g	20 / 500	13.30 kg
7.9 x 33 KURZ	FMJ BT	8 g	20 / 500	17 kg
8 mm MAUSER	SP/HP BT/PSP BT/GROM/ Z-GROM/FMJ BT	9 g	20 / 500	15 kg
8 x 57 IRS	SP/FMJ BT	12.7 g	20 / 500	16 kg
8 x 50 R LEBEL	FMJ BT	12.69 g	20 / 500	17 kg
8 x 56 RS MANNLICHER	SP/FMJ BT	13.5 g	20 / 500	16.50 kg
9.3 x 62	SP/ Solid HP	18.5 g	20 / 500	19 kg
9.3 x 74 R	SP/ Solid HP	18.5 g	20 / 500	19 kg

CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
308 WINCHESTER	FMJ/FMJ BT/SP/PSP BT/ GROM/HP BT	8 g	20 / 500	12.50 kg
30-06 SPRINGFIELD	FSP	9.70 g	20 / 500	11.80 kg
300 WINCHESTER MAGNUM	SP/FMJ BT/PSP BT/HP BT/ GROM/Z-GROM	9.40 g	20 / 500	16.10 kg
7 mm MAUSER	SP/GROM/Z-GROM	9 g	20/500	13.70 kg
7 mm REMINGTON MAGNUM	HP/PSP BT/SP/GROM/ Z-GROM/HP BT	7.80 g	20 / 500	15.60 kg
8 mm MAUSER	SP/HP BT/PSP BT/GROM/Z- GROM/FMJ BT	9 g	20 / 500	13.50 kg

CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
223 REMINGTON MATCH	SP	4.47 g	50/2000	13.20 kg
308 WINCHESTER MATCH	HP BT/FMJ BT/MATCH Solid	10.9 g	20 / 500	14.80 kg
6.5x55 SWEDISH MATCH	HP BT/FMJ BT/SP/SP BT/ SP RN	7.80 g	20 / 500	12.70 kg
7.62x54 R MATCH	FMJ BT	11.80 g	20 / 500	14 kg
8 mm MAUSER MATCH	SP/HP BT/PSP BT/GROM Z-GROM/FMJ BT	12.96 g	20 / 500	15 kg

CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
5.56x45 mm	FMJ BT	3.56 g	20 / 1000	12.70 kg
223 REMINGTON	SP/FMJ BT/HP BT	4.01 g	20 / 1000	13.20 kg

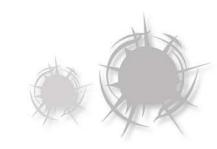


CALIBER	BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
6.8 REMINGTON SPC	FMJ BT/HP BT	7.45 g	20 / 500	12.50 kg



CALIBER		BULLET TYPE	BULLET WEIGHT	ROUNDS BOX / CASE	GROSS WEIGHT
300 AAC BLACKOUT	•	FMJ/HP BT	8 g	20 / 500	12.60 kg





CALIBER	WALLET TYPE	PULLET WEIGHT	NOUNDS BUTE / CASE	GROSS WEIGHT
22 REMINISTON JET	59	29g	50 / 1000	9.40 kg
25 AUTO	FNU	3.26 g	50 / 1000	6.60 kg
22 AUTO	RUUHP	4.6 g	50 / 1000	8.50 kg
32 SHOTH & WESSON LUBB	LISHWIC	6.36 g	50 / 1000	5.20 kg
מדעג מאנ	RUUHP	619	50 / 1000	10.10 leg
M STEWL	FMJ/FMS/FPJ/SJFP/SJHP/ LRN/SWC/SWC HP/ WC	£4g	50 / 1000	7.20 log
M SMITH & WESSAM	LRN	9.49	50/1000	14.50 kg
ALL RANGES	PAS/FRASJHP/SJFP	10,2 g	50 / 1000	8,80 kg
M7 MI	FPJ	R1 g	50 / 1000	14 log
M SAFER ANTO +7	FMJ	8.4 g	50 / 1000	7.30 kg
SMITH & WESSEN	FRYTHLYJHP	10.7 g	50 / 1000	9.20 kg
A REMINSTON MAGREM	FRIKAHPUHP/SJHP/SJFP	117g	50 / 1000	11 kg
LI AUTO	SJHP/FNL// TNL/LRN	12 g	80 / 1000	9.40 kg
A MINER	RIU	5.5 g	50 / 1000	6 kg
ALES TRAFET	FNUUHP	5.5 g	50 / 1000	8 kg
A DESCRIPTION OF THE PARTY OF T	FPJ	6.35 g	50 / 1000	6.50 kg
AS PARABELLEN	RAL	8 g	50 / 1000	11,20 kg
X18 MAKABUT	PAUJHP	8g	50 / 1000	10.50 g
res LIGHT	FINL/SJEPYTMU/ JHP/ LRN/SJSP/FPJ	6.75 g	50/1000	11.30 g
MI >	FALLARN	8 g	50 / 1000	13.10 g
RED BECOMFING LONG	FML	79	50/1000	71.70 g
I m AUTO	FPJKJHP	Ήg	50 / 1000	8.60 g



CALER	LOAD
SI-NA SPELINTELLO RLANG	PP-3.5
303 SMITTER BLANK	PP-9.7
E.E. IGN	PP-6.1
E.E.E. MOME A1	PP-5.0
7.AZKIF BLAUK	PP-31
1.5 PLANK	PP-7.9
AUTO BLANK	PP-R4.32
NO WINCHESTER PLANK	PP-3.20
7,AZXS4 R BLANK	PP-7.6
From LUMER BLANK	PP-R9.3
f no PA BLANK	PP-R9.5







	HANDON MANDETER CALIFER				
RNU	FULL METAL JACKET				
SP	SOFT-POINT				
JHP	JACKETED HOLLOW POINT				
FMS	FULL METAL SPITZ				
FPJ	FLAT POINT JACKET				
SJFP	SEMI-JACKED FLAT POINT				
SHP	SEMI-JACKED HOLLOW POINT				
SUSP	SEMI-JACKED SOFT POINT				
WC	WAD CUITER				
SWC	SEMI-WAD CUTTER				
SWC HP	SEMI-WAD CUTTER HOLLOW POINT				
TMJ	TOTAL METAL JACKET				
LAN	LEAD ROUND NOSE				

0		REFLE AND MONITOR CALLED EX
	FMU	FULL METAL JACKET
0	FMUBT	FULL METAL JACKET BOAT TAIL
>	FAURN	FULL METAL JACKET ROUND NOSE
a	SP	SOFT-POINT
7	PSP	POINTED SOFT-POINT
<u></u>	SP BT	SOFT-POINT BOAT TAIL
	PSP BT	POINTED SOFT-POINT BOAT TAIL
7.0	SP RN	SOFT-POINT ROUND NOSE
(D)	FSP	FLAT SOFT-POINT
_	HSP	HOLLOW SOFT-POINT
=	HP	HOLLOW POINT
	HP BT	HOLLOW POINT BOAT TAIL

Ammunition









Air bombs Artillery Shells

Anti-tank Mines Hand Grenades

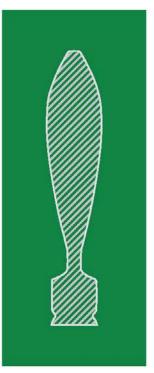


Fuzes Anti-tank guided rockets

Mortar Shells







Modern solutions have been applied in developing II generation of shells. Masking of friendly troops movement as well as blinding of enemy observers, fire support artillery and anti-tank weapon crews is achieved by use of modern, low-drag and highly efficient white phosphorus-based smoke shells. With use of illuminating mortar shells, mortars provide night battlefield illumination, as well as blinding of enemy crews and observers.

M73 P4

291

1350

TNT

220

-30°C to 50°C

10 m

2550

94

UT M88 P1

SHELLS IN CARDBOARD

M73 P5

301

1350

TNT

220

-30°C to 50°C

10 m

2550

94

UTU M93-N

GROSS MASS

29 kg

M73 P3

301

1350

TNT

220

-30°C to 50°C

10 m

2550

94

UT M68 P1

Mortar Shells 60mm



	DESIGNATION	HE	HE	HE	HE.
	60 mm	SHIP	July .	July 1	M
N	DESCRIPTION / MODEL	M08	M08 P1	MK10	MK10 P1
n a	LENGTH WITH FUZE (mm)	301	301	410	410
	MASS WITH FUZE (g)	1350	1350	2100	2100
8	EXPLOSIVE CHARGE TYPE	TNT	TNT	TNT	TNT
1	EXPLOSIVE CHARGE MASS (g)	220	220	400	400
	TEMPERATURE ENVIRONMENT	-46°C to 60°C	46°C to 60°C	46°C to 60°C	46°C to 60°C
6	KILLING RANGE RADIUS	10 m	10 m	14 m	14
2	MAX RANGE (m)	2550	2550	5100	5100
à l	MIN RANGE (m)	94	94	90	90
-	FUZE TYPE	UT M88 P1	UTU M93-N	UT M88 P1	UTU M93
	SHELL PACKING	BOXES IN CASE	SHELLS IN (CARDBOARD	GROSS MASS
BOAR	D BOXES IN WOODEN CASE	12		1	29 kg

1

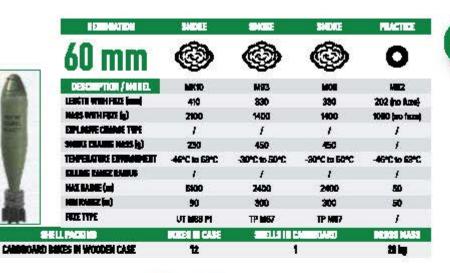
DESIGNATION		ILLUMINATING	ILLUMINATING	ILLUMINATING	ILLUMINATING
A	60 mm	#	#	#	#
48	DESCRIPTION / MODEL	M67	M67 P2	M08	M91
-	LENGTH WITH FUZE (mm)	330 1270 180.000 Cd / 35 s 200 -30°C to 50°C	330 1270 : 180.000 Cd / 35 s 200 -30°C to 50°C / 2450	330 1270	495 2100 350.000 Cd / 30 s 300 -30°C to 50°C / 4000
COLUMN TO A	MASS WITH FUZE (g) EXPLOSIVE CHARGE TYPE EXPLOSIVE CHARGE MASS (g) TEMPERATURE ENVIRONMENT				
				180.000 Cd / 35 s	
WIT .				200 -30°C to 50°C / 2450	
w					
N.	KILLING RANGE RADIUS				
	MAX RANGE (m)	2450			
爱	MIN RANGE (m)	400	400	400	400
diffe	FUZE TYPE	TP M67	TP M67	TP M67	TP M67
S	HELL PACKING	BOXES IN CASE	SHELLS IN (CARDBOARD	GROSS MASS
ARDBOARI	D BOXES IN WOODEN CASE	12		ı	27 kg

Mortar Shells 60mm



DESIGNATION	ILLUMINATING	SMOKE	SMOKE	SMOKE
60 mm	#			(
DESCRIPTION / MODEL	MK10	M73	M73 P2	M08
LENGTH WITH FUZE (mm)	495	286	286	
MASS WITH FUZE (g)	2100	1350	1350	1350
EXPLOSIVE CHARGE TYPE	350.000 Cd / 30 s	1	i	1
EXPLOSIVE CHARGE MASS (g)	300	1	1	1
TEMPERATURE ENVIRONMENT	-30°C to 50°C	-30°C to 50°C	-30°C to 50°C	-46°C TO 63°C
KILLING RANGE RADIUS	1	1	1	1
MAX RANGE (m)	4000	2550	2550	2550
MIN RANGE (m)	400	94	94	94
FUZE TYPE	TP M67	UT M68 P1	UT M68 P1	UT M88 P1
SHELL PACKING	BOXES IN CASE	SHELLS IN (ARDBOARD	GROSS MASS
D BOXES IN WOODEN CASE	12		1	27 kg

Mortar Shells 60mm



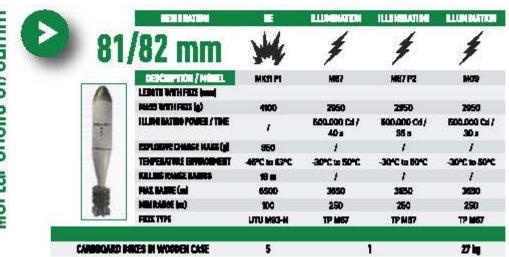


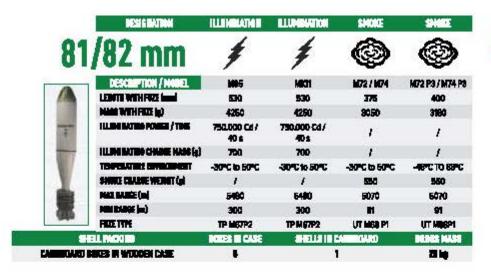
E				Æ	■E
81/82mm	81/82 mm	W	JAK.	W	M
=	DENTANTION / MARKEL	1072174	M72 P3/M74 P3	M72 P47 M74 P4	MOS
	LEINTH WITH FIXE Insul	376	400	400	400
S	MASS STRIFTED (g)	3050	37000	3180	390
(7)	EXPLOSITE CHANG THE	THE	TNT	THT	TNT
	ESPLORME CHANCE HAVE (4)	600	680	SEC	680
Shells	TEMPERATRI: ENVIRONMENT	-30°C to 50°C	-30°C to 50°C	-30°C to 50°C	-46°C to 42°C
	DUNCTURE UNITS	14 m	14m	14 m	14m
CO	MI MIEG	5070	5070	5072	5070
	Militable (m)	91	91	61	91
Morta	FILE TYPE	UT MISSPI	UTU MOSAN	UT M68 PI	UT Mas P1
Difference of the last of the	SELL PACKED	NOTES IN CASE	\$1011318	AMERICANI)	GERRE MARE
	CAMBOOARD BAKES IN WOODEN CASE			1	25 (a)

	DESIGNATION	Æ	II:	Æ	
81	/82 mm	White Mark	W	W	M
A	DESCRIPTION / MODEL	M09 P1	M91	MBIPI	MACH
	LEBOTH WITH PLEE (LINE)	400	480	420	480
AMA.	MASS WITH PRIZE (4)	8180	4100	4100	4100
	EIPLEWIE CHARGE TIPE	TMT	ROK/THT	BOX/THT	ROX/THT
	ENTERNE CLURKE NAME IN	980	860	850	860
W/	TOPPOST IS ON MACET	48°C to 63°C	-30°C to 50°C	-80°C to 50°C	-46°C to 80°C
W	ESTING PROOF BYTH DO	M m	16 m	19 m	14 m
	NUX BURGE [m]	5070	8500	6500	6500
also.	HOME EASINE (m)	Pi Pi	100	100	100
爾	RAIZ TYPE	LITU MR3-N	UT MES PI	UTU MESA	LIT MESS PI
- 5	ELL PACEDIG	BODES IN CASE	SHELLS IN	MANAGER	GROSS NASS
CHIMAN	PORES IN WYOODEN CASE	5		eron product	34 kg



Mortar Shells 81/82mm



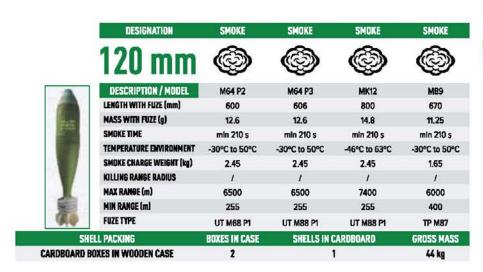


	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN COLUMN TO PERSON NAMED		97-025-07-04V	100	H-1914 EE	ESON-304000
	81	/82 mm				@
-		DESCRIPTION / MODEL	MKI	Mee	M06 P1	100-5
		LENGTH WITH PLZE (mm)	478	410	410	480
	Mile	NAME WITH REE (4)	4100	2960	2960	4250
1	-	500E THE	min 120 s	min 120 s	min 120 s	min 120 s
		MOSECHME MESSER (4)	700	250	850	860
		TOURS OF STREET	-48°C to 63°C	-30°C to 50°C	-80°C to 50°C	-30°C to 50°C
	W	CLUM MORE MANY	1	- 1	- 1	- 1
	W	MAX RAINE (m)	6500	8400	3400	5480
	alle .	HER BARGE (m)	90	300	300	900
	高	RETTE	UT MOR PT	TP M67	TP M67	TP M67P2
	SHE	LL PACEBOO		親田山 瀬	ALIBRIAN	BEJSE MASS
CAR	-	SES IN WOODEN CASE	i	- 3		26 les

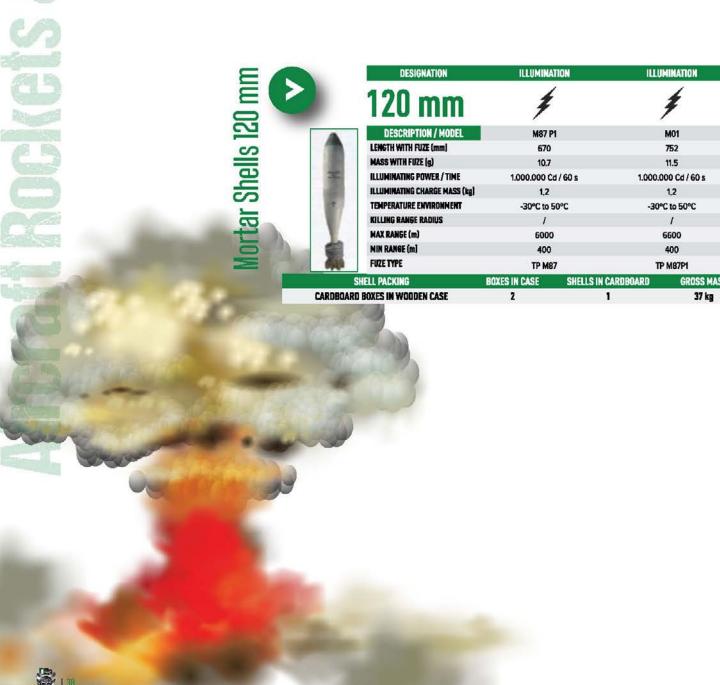
	DESIGNATION	SHORE	HIGH-SMORE	PRACTICE	PRACTICE
81	1/82 mm			0	0
-	BESCRIPTION / MODEL	MB1	MOB	MGS PARACHUTE TARGET	MG2
1	LEWHYNTE PAE (mm)	en.	400	380 (na flant)	297
100	NAME WITH PLEE (v)	4100	4250	2300 (no fuze)	2048
1222	SHOKE TIME	min 120 s	min 120 s	I	1
	MORECHAME WENT (4)	700	860	1	1
	TROUBLE CHYMNOLIT	-30°C to 50°C	-SOPC to SOPC	i	1
W	ELLIN MARE PORT	1	1	1	1
	MULTIMET (h)	6500	5490	I	280
do	HE MOE (a)	90	300	1	50
高	PRETIFE	UT MRS PI	TP MAR?	,	1
	ELL PACKUNG	PHIES IN CASE	#ETT	M CALD HOARD	領線場
CARDSWED	BOSES IN THROUGH CASE	5		1	35 kg

		DESIGNATION	Æ		3/	PRACTICE
2		120 mm	M	X	THE	0
2	18	DESCRIPTION / MODEL	M62 P8	MMG2 PI	MKEZ PI-L	M63 P2
	A	LEMENT PLEE (No.)	806	506	606	508 (no fuse)
	//	HAND WITH FLEE (4)	12,6	14.0	14.8	11.6 (so fam)
ט		EXPLINITY CHARGE TYPE	KOK/TNT	TMT	TINT	- 1
5		EDUTATAL CONTRE MAN (P)	2/6	2.45	26	1
		TEPPENTALE ENVIRONMENT	-80°C to 50°C	46°C to 68°C	-46°C to 63°C	- 1
5		BUILD WAS MORE	20 m	24 m	24 m	- 1
-	-	NAX RAINE (m)	6500	7450	9400	500
5	1	MIN PROME (P)	256	266	276	60
		PRES TYPE	UTU M99 P1 SQ/D	UTU MOSPI SOLD	UTU M98P1 SQ/D	1
		BELL PACKERS	BOSTES IN CASE	SMELLS IN	ARTOGRAD	GROSS MASS
-	CARDOGAES	DOZES IN WYGODEN CASE	2		1	44kg

Aircraft Rockets & Bombs











WOODEN CASE	2	1		37 kg
ROCKET PACKING	BOXES IN CASE	SHELLS IN CARD	BOARD	GROSS MASS
FUZE TYPE	UTI-	l .	UTI-2	UTI-2
PRESSURE IN THE ROCKET CHAMBER	380 kg/s	cm2	375 kg/cm2	1
1 KM FLYING TIME	1.89 to 2	.19 s	2.46 to 2.17 s	1
MAXIMUM SPEED	673 to 617	7 m/s	563 to 620 rn/s	1
EXPLOSIVE CHARGE MASS (g)	285		290	320
MASS (g)	3.8		3.64	4.5
LENGTH WITH FUZE (mm)	882		824	1200
DESCRIPTION / MODEL	BR-1-5	57	BR-2-57	BR-20-57



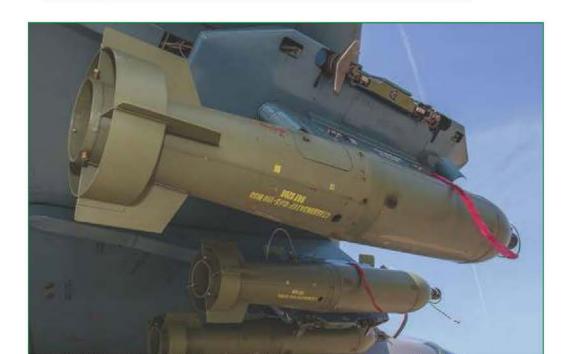


Air Bombs - FAB



CRATE	3		12	
BOMBS PACKING	BOMBS IN CRA	TE	FINS	
FUZE TYPE	AUV-E / AUFK	AUFK	AUV-E / AUFK	UPB M91
TEMPERATURE ENVIRONMENT	-40 to +50C	-40 to +50C	-40 to +50C	-40 to +60C
HOOK SPACING (mm)	255 / 355.6	255 / 355.6	255 / 355.6	355.6 / 250
DIAMETER (mm)	230	230	325	320
EXPLOSIVE CHARGE MASS (g)	39	39	105	70
MASS WITHOUT FUZE (kg	117	128	240	252
LENGTH WITH FUZE (mm)	1490	1617	2015	2085
DESCRIPTION / MODEL	FAB-100 M80 HE	FAB-100 M80 HE RETARDED	FAB-250 M79 HE	RAB-250 M91

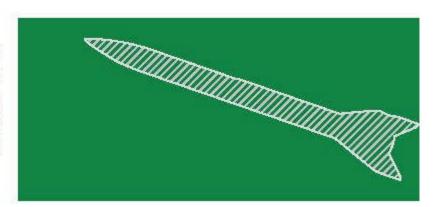




Unguided Rockets



Unguided rockets for multi-tube launchers intended for impact, and quick fire assaults on surface targets in the depth of the enemy. It is efficient against all types of the targets: personnel, unshielded and armored vehicles.







"GRAD" is self-propelled multi-tube missile launcher intended for impact, sudden and quick fire assaults on the surface targets in the depth of the enemy. It is efficient against all types of targets: personnel, non-armoured and armoured vehicles.

System "GRAD" fires three types of missiles: GRAD, GRAD-M and GRAD 2000. The launcher is carried on the vehicle TAM 150 T11 BV 6x6. It is possible to mount it on other vehicles of the similar characteristics.

107 mm



DESCRIPTION / MODEL CALMER (nm) 107 LENGTH WITH FUZE (nm) 825 MASS WITH FUZE (nm) 17.6 WARHEAD EXPLOSIVE WHIGHT (nm) 1.25	
CALINER (nm) 107 LENGTH WITH FUZE (nm) 825 MASS WITH FUZE (lg) 17.6	
NASS WITH FUZE (kg) 17.6	
MARKET OF THE PARTY IN CO. 1	
WARHEAD EXPLOSIVE WEIGHT (kg) 1.25	
MAZIMUM RANGE (km) 11.5	
OPERATING TEMPERATURE RANGE -32°C to +60°C	
FUZETYPE UTI M84	
ROCKET PACKING BOXES IN CASE GROSS I	4ASS
WOODEN CASE 2 49 to	9



MO6 – Extended Unguided Atillery Rocket



Unguided Rocket 122 mm Grad/Grad - M/Grad 2000

122 mm

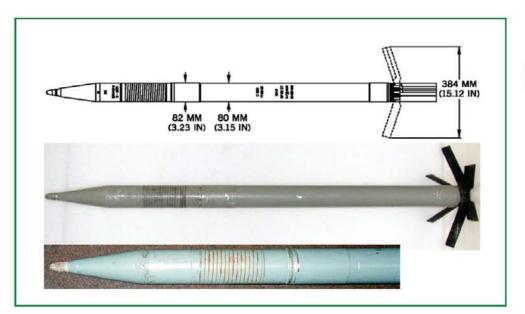
WOODEN CASE	2		67 kg
ROCKET PACKING	BOXES IN CASE		GROSS MASS
OPERATING TEMPERATURE RANGE	-30°C to +50°C	-30°C to +50°C	-30°C to +50°C
MAXIMUM RANGE (km)	27.8	27.B	40
WARHEAD EXPLOSIVE WEIGHT (kg)	19.1	19.1	19.1
MASS WITH FUZE (kg)	67.3	69.3	68.3
LENOTH WITH FURE (mm)	2875	2875	2925
CALINER (mm)	172	122	122
DESCRIPTION / MODEL	GRAD	GRAD - M	6RAD 2000

Rockets S5 and S8



This is the Bulgarian 57mm S5, a high explosive fin-stabilised, solid propellant, air-to-ground-rocket. The S5 series of conventional unguided rockets comprises a warhead, a solid-propellant rocket motor and flip-out tails fins for stability.

The S5 is a 55mm calibre unguided rocket fired from a 57mm calibre tube.



Rocket S8



This is the Bulgarian 80mm S8, a high explosive fragmentation, fin-stabilised, air-to-ground-rocket, with a cross-cut diamond pattern fragmentation sleeve.

The S8 is a conventional 80mm calibre unguided electrically fired rocket with a solid-propellant rocket motor.





OGANJ C is self-propelled multi-tube missile launcher intended for impact, sudden and quick fire assaults on surface targets in the depth of the enemy. It is efficient against all types of the targets: personnel, unshielded and armoured vehicles.

OGANJ C, for firing from multi-tube missile launcher, uses point-detonating-demolition missile M77 (OGANJ M77). The launcher is loaded on the vehicle TAM 150 T11 BV6x6.

It is possible to mount it on other vehicles of similar characteristics (FAP 1417, for example). The system is modularly designed in such a way as to permit mounting of the "PLAMEN" launching device with 32 tubes, put on the universal upper carriage.

The launcher design meets all the erogonomic requirements providing comfortable and safe work. Mechanism drive is manual. On the user's request, it can be modified to semi-automatic operation.

The launcher deployment time is 30 seconds. Time, needed for firinf position leave, is 30 seconds. Masses distribution provides proper center of gravity position during transportation with FULL/EMPTY combination while the launching device has been turned over to the original position by 180°.





DESCRIPTION / MODEL	PLAMEN A	PLAMEN D
CALIFER (mm)	128	128
LENGTH WITH FLIZE (mm)	837	971
MASS WITH FUZE (bg)	23:1	25.5
WANNEAD EXPLISANT WEIGHT (kg)	2.6	3.3
NAXIMUM RANGE (Ico)	8.6	12.6
OPERATING TEMPERATURE RANGE	-30°C to +50°C	-30°C to +50°C
ROCKET PACKING	BOXES	IN CASE
WOODEN CASE	5.100000000	1

128 mm 📮		
DESCRIPTION / MODEL CAUDER (mm)		
7.0 (2)	128	
LENGTH WITH FUZE (mm)	2600	
MASS WITH FUZE (kg)	67	
WARREAD EXPLOSIVE WEIGHT (lig)	19.5	
NACIONAL PRANTE (Icra)	21,5	
OPERATING TEMPERATURE NAME	-32°C to +60	rc .
RIZE TYPE	UTU, M77	
ROCKET PACKING	BOXES IN CASE	GROSS MASS
WOODEN CASE	1	75 kg





100 mm 105 mm 125 mm 130 mm 52 mm 155 mm



Artillery Shells



100 mm

125 mm

152 mm

105 mm

130 mm

155 mm



These calibers are used for completion of artillery missiles, as well as fuses and gun primers. We perform completion of artillery missiles. We are also euiped for all types of acceptance control tests done prior to including the device into the armament of an army.

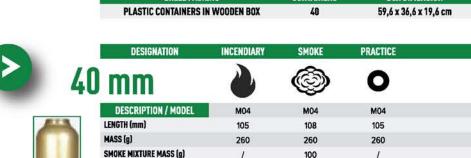






Designed to be used against live force, in both open and sheltered space. It is from grenade launcher GP-25 mounted under the barrel of the Klashinkov machinegun (AK-74, AKS-74, AKM, AK-101) as well as new M21 rifles produced by "Zastava" Kragujevac. This bullets can be fired directly]holding the device on the shoulder] to the range 50 to 400m, and indirectly (curved trajectory) to the range of 200 to 350m.

	DESIGNATION	BLASTING	BLASTING	CUMULATIVE	HE
40	mm	July 1	MA	\Diamond	Ship
ALL S	DESCRIPTION / MODEL	M02	M04	M04	M04
	LENGTH (mm)	105 260	125 300	108 260	103 190
	MASS (g)				
	EXPLOSIVE CHARGE MASS (g)	49	40	32	1
	SELF DESTRUCTION TIME (s) TEMPERATURE ENVIRONMENT	15	15	15 -53°C to 71°C	15 -53°C to 71°C
NET 6710		-53°C to 71°C	-53°C to 71°C		
	PENETRATION (mm)	1	1	50	1
	MAX RANGE (m)	400	400	400	400
	MIN RANGE (m)	1	1	1	1
	FUZE TYPE	UT, MO2 SP	UT, M07	UT, MO2 SP	UT, M04
SHEL	L PACKING	CONTAINERS	BOX DI	MENSION	GROSS MASS
PLASTIC CONTAI	NERS IN WOODEN BOX	40	59,6 x 36	,6 x 19,6 cm	23.5 kg



	DESCRIPTION / MODEL	M04	M04	M04	
ALT:	LENGTH (mm)	105	108	105	
	MASS (g)	260	260	260	
	SMOKE MIXTURE MASS (g)	1	100	1	
	SELF DESTRUCTION TIME (s)	15	15	15	
Mary mary market	TEMPERATURE ENVIRONMENT	-53°C to 71°C	-53°C to 71°C	-53°C to 71°C	
100	INCIDENTARY MIXTURE MASS (g)	80	1	80	
	MAX RANGE (m)	400	400	400	
111111	MIN RANGE (m)	1	1	1	
W. 11.30	FUZE TYPE	UT, MO2 SP	UT, MO2 SP	UT, MO2 SP	
SI	SHELL PACKING		SHELLS IN (CARDBOARD	GROSS MASS
CARDBOARD	CARDBOARD BOXES IN WOODEN CASE		59,6 x 36,6	5 x 19,6 cm	23.5 kg



DESCRIPTION / MODEL	HAND GRENADE M-84				
MASS (g)	82				
DIMENSIONS (mm)	60x115				
EXPLOSIVE CHARGE MASS (g)	95				
STEEL BALLS DIAMETER (mm)	2.3				
SAFETY RING PULLING FORCE (n)	110				
FUZE DELAY TIME (s)	3-5.7				
PACKING	BOXES IN WOODEN CASE				
DI ACTIC DOV IN INDODENI CACE	**				

PLASTIC BOX IN WOODEN CASE 24



CASE GROSS WEIGHT 23.5 kg

DESCRIPTION / MODEL	HAND GRENADE M-75
(g) SZAM	355
DIMENSIONS (mm)	57x89
EXPLOSIVE CHARGE MASS (g)	36
STEEL BALLS DIAMETER (mm)	2.5-2.9
SAFETY RING PULLING FORCE (n)	7-18
FUZE DELAY TIME (s)	34,4
PACKING	BOXES IN WOODEN CASE

PACKING BOXES IN WOODEN CASE
PLASTIC BOX IN WOODEN CASE
36



CASE GROSS WEIGHT

THE OWNER OF THE OWNER OWNER OF THE OWNER	THE PERSON NAMED IN COLUMN 18 AND THE PE
SERVICE TEMPERATURE RANGE	-30°C to +50°C
STEEL PLATE PENETRATION (mm)	280
WARHEAD DIAMETER (mm)	74.5
EXPLOSIVE CHARGE MASS (g)	340
LENGTH (mm)	399
MASS (g)	1000
DESCRIPTION / MODEL	CHAPED-CHARGE HAND GRENADE (BRK)

PACKING BOXES IN WOODEN CASE
PLASTIC BOX IN WOODEN CASE 12

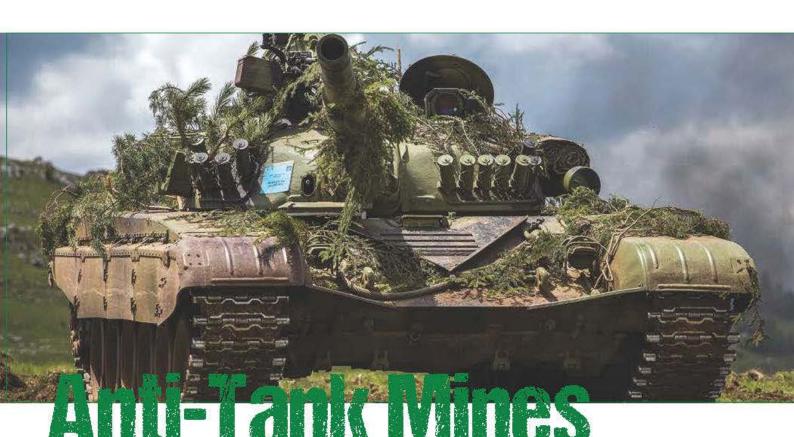


DESCRIPTION / MODEL	HAND SHOCK BOMB	
MASS (g)	454	
TIME INTERVAL BETWEEN SOUND EFFECTS (s)	1.5	
SOUND EFFECT INTENSITY	130 db to 15 m	
SERVICE LIFE	5 years	
SERVICE TEMPERATURE RANGE	-30°C to +50°C	

PACKING BOXES IN WOODEN CASE
PLASTIC BOX IN WOODEN CASE 12







MASS [g] 7.2 DIMENSIONS (mm) 290x132 EXPLOSIVE CHARGE MASS [g] 5.1 EXPLOSIVE CHARGE TYPE CAST TNT 200 mm (314 cm²) STEPPING-ON AREA 1,3 - 1,7 daN **ACTIVATION FORCE** MINES IN BOX PACKING

BOX GROSS WEIGHT

43 kg

BOX

MASS (g)	6.3	
DIMENSIONS (mm)	285x110	
EXPLOSIVE CHARGE MASS (g)	5.5	
EXPLOSIVE CHARGE TYPE	CAST TNT	
STEPPING-ON AREA	200 mm (314 cm²)	
ACTIVATION FORCE	100 – 200 daN	
PACKING	MINES IN BARREL	

1		1	
N. C.	9		
			7

BARREL GROSS WEIGHT
20 km





FUZE TP - M67 P1



PURPOSE The fuze is intended for illuminating mortar shell and Long-smoking shells, Cal. 60 mm

DESCRIPTION TP - M 67 P1 is time - pyrotechnic fuze on zirconium basis

FUZE TP - M67 P1



PURPOSE The fuze is intended for Illuminating mortar shell and Long-smoking shells, Cal. 81/82 mm

DESCRIPTION TP - M 87 is time - pyrotechnic fuze on zirconium basis

FUZE TP - M87



PURPOSE The fuze is intended for Illuminating mortar shell and Long-smoking shells, Cal. 60 mm

DESCRIPTION TP - M 87 is time - pyrotechnic fuze on zirconium basis

FUZE ETU - M365



PURPOSE Electronic Time Fuze ETU, M365 is intended for assembling of illuminating and Smoke Mortar shells of 60mm, 81/82mm and 120mm calibers

The Fuze ETU, M365 is based on modern microprocessor technology. Time recording is DESCRIPTION performed by means of time setter. The set fuze time is stored for 20 minutes, thereafter being automatically erased in order to safe battery power

FUZE UT - M68 P1



The fure is intended for assembling of HE mortar shells and SMOKE mortar shells of all PURPOSE calibers with bearings that are compatible with connecting measures or can be assembled with appropriate adaptors

DESCRIPTION UT-M68P1 is mechanical, point- detonating, impact fuze of superquick action

FUZE UT - M86 P1



PURPOSE

PURPOSE

The fuze is intended for assembling of HE and SMOKE mortar shells of all calibers with bearings that are compatible with connecting measures or can be assembled with appropriate adaptors

DESCRIPTION UT – M88 is mechanical, point-detonating, impact fuze of superquick action equipped with hard trans-port safety element including an ancillary safety mechanism

FUZE UT - M88 P2



PURPOSE

The fuze is intended for assembling of HE and SMOKE mortar shells of all calibers with bearings that are compatible with connecting measures or can be assembled with appropriate adaptors

UT — M88 P2 is mechanical, point-detonating, impact fuze of superquick action DESCRIPTION equipped with herd transport safety element including an ancillary safety

FUZE PD UTU - M93-N



The fure is intended for assembling of HE mortar shells of all calibers with bearings that are compatible with connecting measures or can be assembled with appropriate adaptors

PD UTU, M93 is mechanical, point-detonating, impact fuze of superquick and delay action DESCRIPTION adjustable by a mode selector (superquick "T" or delay "U"). It is equipped with hard transport safety element including an ancillary safety mechanism

FUZE PD UTU - M93 P1



PURPOSE

The fure is intended for assembling of HE mortar shells of all calibers with bearings that are com-patible with connecting measures or can be assembled with appropriate adaptors.

PD UTU, M93 is mechanical, point-detenating, impact fuze of superquick and delay action DESCRIPTION adjustable by a mode selector (superquick "T" or delay "U"). It is equipped with hard transport safety element including an ancillary safety mechanism

FUZE UTU - M78 (AU-29)



UTU - M7B is point - detonating, mechanical fuze of superquick and delay action adjustable DESCRIPTION by sleeve turning. It is equipped with transport safety element for handling, transportation and parachuting



FUZE UTU - M77



PURPOSE The fuze is intended for "OGANJ" HE warhead, Cal. 128 mm

UTU - M77 is point - detonating, mechanical, impact fuze of superquick and delay action DESCRIPTION adjustable by a mode selector (superquick "T" or delay "U")

FUZE UTI - 1



The fuze is intended to initiate the explosion of HEAT warhead of the 57 mm missile when PURPOSE fired from honeycomb L - 57 type launchers having the tube rear part open

DESCRIPTION UTI – 1 is point – detonating, mechanical, impact fuze with remote arming and self – destruction devices

FUZE UTI - 2



PURPOSE

PURPOSE

The fuze is intended to initiate the explosion of HEAT warhead of the 57 mm missile when PURPOSE fired from honeycomb L - 57 type launchers having the tube rear part open

DESCRIPTION The fuze is intended for "MUNJA" HEAT warhead, Cal. 128 mm

FUZE UTI - M84



The fuze is intended for M63, M87 and PLAMEN-D missiles, Cal. 128 mm equipped with **PURPOSE** superquick blast warhead as well as for missile with smoke warhead of same caliber

DESCRIPTION UTI - M84 is point - detonating, mechanical, impact fuze of superquick and inertia action



The fuze is intended for M15 rocket, Cal.107mm equipped with superquick blast warhead as well as for missile with smoke warhead of same caliber

PURPOSE

DESCRIPTION UTI - M84 P1 is point &&" detonating, mechanical, impact fuze of superquick and inertia action

FUZE UTIU - M72 B1 (AU - 18)



UTIU - M72 B1 is point - detonating, mechanical fuze of superquick, inertia and delay action adjustable by sleeve turning and cap removing

DESCRIPTION The fuze is intended for HE grenades , Cal. 85, 100, 122, 130 and 152 mm

FUZE UTIU- M85 [AU - 20E]



UTIU - M72 B1 is point - detonating, mechanical fuze of superquick, inertia and

delay action adjustable by sleeve turning and cap removing

DESCRIPTION The fuze is intended for HE grenades , Cal. 85, 100, 122, 130 and 152 mm

FUZE UTIU, M15



PURPOSE The fuze is intended for HE projectile, Cal. 155 mm M107

DESCRIPTION UTIU, M15 is point-detonating, mechanical fuze of superquick, inertia and delay action adjust-able by sleeve turning.

FUZE MRV-U (AU - 32)



PURPOSE The fuze is intended for "GRAD" HE warhead, Cal. 122 mm

MRV-U — M 85 is point-detonating, mechanical fuze of superquick and delay action. Action selecting by turning of sleave DESCRIPTION

FUZE AUFK - M91



PURPOSE The fuze is intended for high-explosive aircraft bombs with or without drag chute

DESCRIPTION

AUFK - M 91 is impact ,inertia-type of an electric - mechanical fuze for aircraft bombs with superquick (T) and delay action (U) adjustable by mode selector



Ammunition





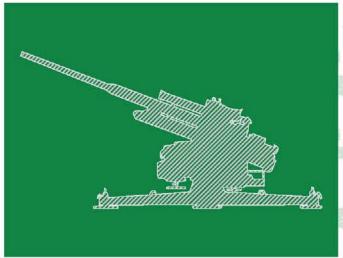


Small Caliber Ammunition Large Caliber Ammunition Artillery Ammunition Rocket weapons olice Program

Anti-Aircraft Ammunition





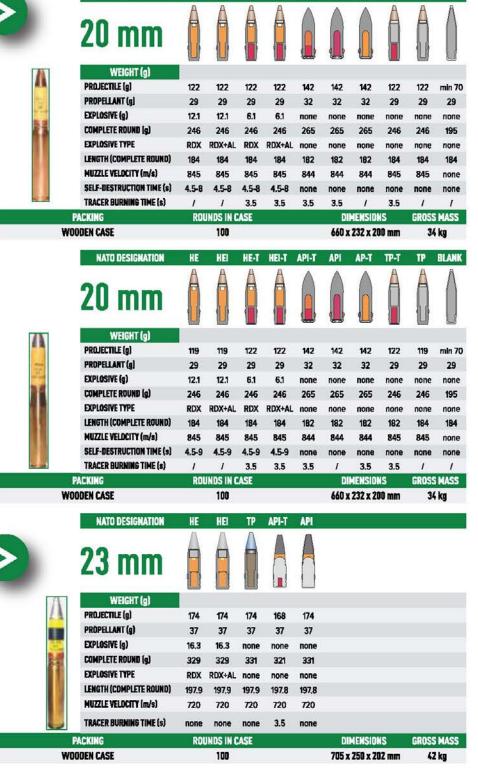




Anti-aircraft guns are weapons designed to attack aircraft. Such weapons commonly have a high rate of fire and are able to fire shells designed to damage aircraft. They also are capable of firing at high angles, but are also usually able to hit ground targets as well in a direct fire role.



LAA MK-	
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MX	
0mm	



NATO DESIGNATION

HE

HEI

HE-T

HEI-T

API-T

API

AP-T

TP-T





23mm x 115B for AA GUN ZU-2 and ZSU-4

A 30 mm

PACKING	RO	UNDS IN C	ASE			DI	MENSIO	NS	GROSS MAS
TRACER BURNING TIME (s)	none	none	10	10	none	3.5	10	none	
SELF-DESTRUCTION TIME (s)	13-19	13-19	13-19	13-19	none	none	none	none	
MUZZLE VELOCITY (m/s)	890	890	890	890	890	890	890	890	
LENGTH (COMPLETE ROUND)	291	291	291	291	292	292	292	292	
EXPLOSIVE TYPE	RDX	RDX+AL	RDX	RDX+AL	none	none	none	none	
COMPLETE ROUND (g)	839	839	835	835	853	853	835	839	
EXPLOSIVE (g)	49	49	11.5	11.5	none	none	none	none	
PROPELLANT (g)	121	121	121	121	126	126	121	121	
PROJECTILE (g)	389	389	385	385	400	400	385	389	
WEIGHT (g)									
00 111111									

576 x 338 x 218 mm

37 kg

NATO DESIGNATION 30 mm

WOODEN CASE

HE	HE	AP	AP-T	TP
A	A	Λ	Λ	A
	A	A	A	
		1	1	100
1	1		of the	
		Samuel .	Hannell St.	-

30mm x 165 RB for AA GUN 30mm GSH 301

30mm x 210B for AA GUN 30mm AK-230

WEIGHT (g) PROJECTILE (g) 389 389 400 400 PROPELLANT (g) 121 121 126 126 121 EXPLOSIVE (g) 49 49 none none none COMPLETE ROUND (g) 840 840 850 850 840 **EXPLOSIVE TYPE** RDX RDX+AL none none LENGTH (COMPLETE ROUND) 290 290 292 292

EN CASE		30				576 x 338 x 218 mm	37 kg
CKING	ROL	INDS IN	CASE			DIMENSIONS	GROSS MAS
TRACER BURNING TIME (s)	none	none	none	3.5	none		
SELF-DESTRUCTION TIME (s)	none	none	none	3.5	none		
MUZZLE VELOCITY (m/s)	860	860	860	860	860		
MUTTI F UTT OCTOV ((-)							

r	TP	
	A	
ľ		

20		
-	mm	١
JU		ļ

NATO DESIGNATION

CKING	RO	UNDS IN C	ASE	DIMENS	SIONS	G	ROSS MAS	S
TRACER BURNING TIME (s)	попе	none	10	10	none	3.5	10	none
SELF-DESTRUCTION TIME (s)	7.5-14.5	7.5-14.5	7.5-14.5	7.5-14.5	none	none	none	none
MUZZLE VELOCITY (m/s)	960	960	960	960	970	970	960	960
LENGTH (COMPLETE ROUND)	292	292	291	291	292	292	291	291
EXPLOSIVE TYPE	RDX	RDX+AL	RDX	RDX+AL	none	none	none	none
COMPLETE ROUND (g)	833	833	835	835	853	853	835	833
EXPLOSIVE (g)	49	49	11.5	11.5	none	none	none	none
PROPELLANT (g)	121	121	121	121	126	126	121	121
PROJECTILE (g)	385	389	385	385	400	400	385	389
WEIGHT (g)								

WO	ODEN CASE		30		576 x 338	x 218 mm		37 kg	
	PACKING	RO	UNDS IN C	ASE	DIMEN	SIONS	G	ROSS MAS	S
Ц	TRACER BURNING TIME (s)	попе	none	10	10	none	3.5	10	none
	SELF-DESTRUCTION TIME (s)	7.5-14.5	7.5-14.5	7.5-14.5	7.5-14.5	none	none	none	none
	MUZZLE VELOCITY (m/s)	960	960	960	960	970	970	960	960
	LENGTH (COMPLETE ROUND)	292	292	291	291	292	292	291	291
	EXPLOSIVE TYPE	RDX	RDX+AL	RDX	RDX+AL	none	none	none	none
	COMPLETE ROUND (g)	833	833	835	835	853	853	835	833
	EXPLOSIVE (g)	49	49	11.5	11.5	none	none	none	none

PACKING	R	DUNDS IN C	ASE	DIMENS	IONS		GROSS N	U
VOODEN CASE		30		576 x 338 x	x 218 m	m	37 k	g
NATO DESIGNATION	HE	AP-T	TP		HEI	HEI-T	TP-T	
20 mm		A	A		A	A	A	

BLANK	
Λ	~

00	
30	mm

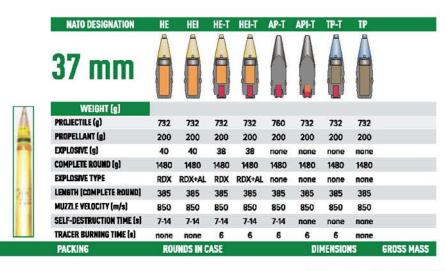
WEIGHT (g)			
PROJECTILE (g)	356	350	356
PROPELLANT (g)	190	190	190
EXPLOSIVE (g)	31.1	none	none
COMPLETE ROUND (g)	1066	1050	1066
EXPLOSIVE TYPE	RDX+AL	none	none
LENGTH [COMPLETE ROUND]	304	304	304
MUZZLE YELOCITY (m/s)	1060	1095	1060
SELF-DESTRUCTION TIME (s)	12-7	none	none
TRACER BURNING TIME (s)	none	min 2	none

	180 200 200	x 218 mm		37 kg	
	DIMEN	ISIONS	GF	OSS MA	SS
e		none	4	4	none
e		9-13	9-13	none	none
0		997	997	997	1
1	1.4	331	331	331	331
e		RDX+AL	RDX+AL	none	none
6	631	1140	1140	1140	min 960
e	屏	40.8	35.7	none	none
		195	195	195	195
i	2	435	435	435	min 250
-					

	SELF-DESTRUCTION TIME (s)	12-7	none	none	9-13	9-13	none	non
	TRACER BURNING TIME (s)	none	min 2	none	none	4	4	non
	PACKING	RO	UNDS IN C	ASE	DIMENSIONS		GROSS MAS	S
AK-230	WOODEN CASE		37 / 40		576 x338 x 218 mm	1	37 kg	
3, 53/59	WOODEN CASE		40		642 x 355 x 176 mm	n	61 kg	
							14,000,000	

30/2 M53, 53/59 [CS]

30mm x 165 for AA GUN 30mm 2A72, 2A42 and 2A38M







NATO DESIGNATION	HE	HEI	HE-T	HEI-T	PFHE	AP-T	TP-T	TP	BLANK
40 mm						A			
WEIGHT (g)									
PROJECTILE (g)	964	964	964	964	880	930	964	964	920
PROPELLANT (g)	480	480	480	480	480	480	480	480	480
EXPLOSIVE (g)	95	95	83	83	83	none	none	none	none
COMPLETE ROUND (g)	2500	2500	2500	2500	2420	2470	2500	2500	2450
EXPLOSIVE TYPE	RDX	RDX+AL	RDX	RDX+AL	RDX	none	none	none	none
LENGTH (COMPLETE ROUND)	535	535	535	535	534.5	497	535	535	535
MUZZLE VELOCITY (m/s)	1005	1005	1005	1005	1025	1025	1005	1005	none
SELF-DESTRUCTION TIME (s)	8-13	8-13	8-13	8-13	3.5-10	none	none	none	none
TRACER BURNING TIME (s)	1	1	4	4	1	4	4	1	1
PACKING	RO	UNDS IN C	ASE			Di	MENSION	S	GROSS MASS
	WEIGHT (g) PROJECTILE (g) PROPELLANT (g) EXPLOSIVE (g) COMPLETE ROUND (g) EXPLOSIVE TYPE LENGTH (COMPLETE ROUND) MUZZLE VELOCITY (m/s) SELF-DESTRUCTION TIME (s) TRACER BURNING TIME (s)	WEIGHT (g) PROJECTILE (g) 964 PROPELLANT (g) 480 EXPLOSIVE (g) 95 COMPLETE ROUND (g) 2500 EXPLOSIVE TYPE RDX LENGTH (COMPLETE ROUND) 535 MUZZLE VELOCITY (m/s) 1005 SELF-DESTRUCTION TIME (s) 8-13 TRACER BURNING TIME (s) /	### A STATE OF TRACER BURNING TIME (a) The column	### A PROJECTILE (g)	### A PROJECTILE (g) 964 964 964 964 964 964 964 964 964 964	### A PACE BURNING TIME (a) WEIGHT (g) PROJECTILE (g) PROJECTILE (g) 964 964 964 964 964 964 964 96	### A PACE BURNING TIME (s) WEIGHT (g) PROJECTILE (g1) 964 964 964 964 964 964 964 880 930 PROPELLANT (g) 480 480 480 480 480 480 480 48	WEIGHT [q]	WEIGHT [q]

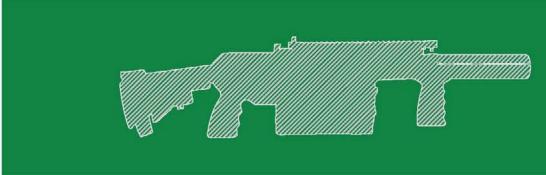
40mm x 365 for AA GUN 40mm L/70 "B0F0RS"

77mm x 248 for Self-propelled AA Gun 57mm S/68 and S/60



Grenades 30mm / 40mm









	30mm HE, M93 P1	30mm TP, M93	30mm PM, M93 P1
NATO DESIGNATION	HE:	TP	PM
30 mm		Account of the second	
WEIGHT (g)			
MASS OF ROUND (g)	360	360	360
MASS OF PROJECTILE (g)	273	273	273
LENGTH (mm)	132	132	132
MUZZLE VELOCITY (m/s)	185	185	185
MAXIMUM RANGE (m)	1700	1700	1700
TYPE	UT M99 SD	TRAINING PRACTICE	UT MO2 PM SD
SELF DESTRUCTION (a)	27	1	27
SAFETY DISTANCE	10 m in front of barrel	1	10 m in front of barrel

	M99	M99	M99	M03
NATO DESIGNATION	HEPD-SD	HEDP-SD (DUAL PURPOSE)	TPSFM	HE
40 mm				
WEIGHT (g)				
MASS OF ROUND (g)	104	104	104	106
MASS OF GRENADE (g)	250	250	233	360
PROJECTILE LENGTH (mm)	82	82	82	1
MASS OF EXPLOSIVE [RDX] (g)	48	35	1	1
MUZZLE VELOCITY (m/s)	78	78	76	76
ARMING DISTANCE OF FUZE (m)	8-30	8-30	8-25	50
MAXIMUM RANGE (m)	400	400	400	400
SELF DESTRUCTION (s)	15-20	15-20	15-20	15-20
PENETRATION (mm)	1	min 25 (armour steel plate)	1	1
SAFETY DISTANCE	1	1	1	15 m in front of barrel

	MQ4	M04	M01
NATO DESIGNATION	RED STAR WITH PARACHUTE	ILLUMINATING WITH PARACHUTE	ILLUMINATING
40 mm			
WEIGHT (g)			
COMPLETE GRENADE LENGTH (mm)	114	114	
MASS OF GRENADE (g)	250	250	265
PROJECTILE LENGTH (mm)	82	82	1
MASS OF PROJECTILE (g)	200	1	1
MUZZLE VELOCITY (m/s)	78	78	76
DELAY TIME (s)	2-3	2-3	1
BURNING TIME OF STAR (s)	min 15	min 15	min 20
LIGHT INTENSITY OF STAR (cd)	min 10 000	min 80 000	mln 80 000
FLARE TYPE	green / blue / yellow / white	white	white

	M99	M99	MO1 S	M99
NATO DESIGNATION	SMOKE WHITE	SMOKE CS	SMOKE	FLASH
40 mm				
WEIGHT (g)				
MASS OF ROUND (4)	106	106		106
MASS OF GRENADE (g)	230	220	250	230
PROJECTILE LENGTH (mm)	76	76	115	76
MASS OF EXPLOSIVE (RDX) (g)	180	170	1	180
MUZZLE VELOCITY (m/s)	78	78	75	78
SMOKE TIME (s)	min 20	min 20	60	1
FIRING RANGE (m)	50-400	50-400	max 400	50-400
DELAY TIME (s)	2-3	2-3	,	2-3
SOUND INTENSITY (db)	1	1	1	120
LIGHT INTENSITY (cd)	1	r	1	2 000 000
FLARE TYPE	white	white / red / green / yellow	1	,

	M04	MO5
NATO DESIGNATION	BUCKSHOT	FLECHETTE
40 mm		
WEIGHT (g)		
n (-)	22.2	2222

WEIGHT (g)		
MASS (g)	250	250
LENGTH (mm)	106	106
MUZZLE VELOCITY (m/s)	50	200
MAXIMUM RANGE (m)	400	50-100
NUMBER OF PELLETS (pcs)	min 50	1
PELLET DIAMETER (mm)	8	1
NUMBER OF FLECHETTES (pcs)	1	min 50
FLECHETTE DIAMETER / LENGTH (mm)	1	50/2



RIFLE GRENADES	M60	M62	M62	M60 P1
NATO DESIGNATION	ANTITANK	SMOKE	ILLUMINATING	FRAGMENTATION
60 mm				
WEIGHT (g)				
MASS (g)	610	475	450	520
LENGTH (mm)	390	330	330	307
PENETRATION (mm)	200 (at 100 m)	1	1	1
SMOKE TIME (s)	1	70-100	1	1
BURNING TIME (s)	1	1	min 24	1



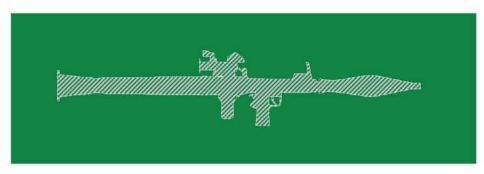
RIFLE GRENADES WITH BULLET TRAP	M91 P1	M99	M03
NATO DESIGNATION	HE	HE	HE BT
30 mm			

	14.00		
WEIGHT (g)			
MASS (g)	555	555	450
LENGTH (mm)	315	315	270
TYPE	fragmentation	fragmentation	fragmentation
FUZE	impact, superquick action	Impact, superquick action	Impact, superquick action
ACTION ON FRAGMENTS IN FIELD	100 m în dîa	100 m in dia	100 m in dia
ARMING DISTANCE (m)	Grenade must act. upon cordboard 1mm thick, at the distance of 50 m	Grenade must act. upon cardboard 1mm thick, at the distance of 50 m	Grenade must act, upon cardboard 1mm thick, at the distance of 50 m
GRENADE EFFECT	Have 100 penetrations trough a board 20 mm tick, at pen test D=10 m and 1,5m high	Have 350 penetrations trough a board 20 mm tick, at pen test D=10 m and 1,5m high	Have 100 penetrations trough a board 20 mm tick, at pen test D=10 m and 1,5m high
SELF DESTRUCTION TIME (s)	15-20	15-20	15-20
SAFETY DISTANCE	Min. 20 m in front of barrel	Min.15 m in front of barrel	Min. 15 m in front of barrel

Recoilless Launchers

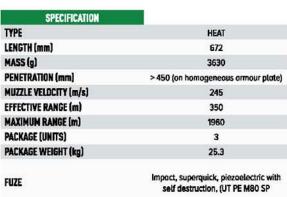






A rocket is a self-propelled, unguided weapon system powered by a rocket motor. Rockets are used primarily as medium and long-range artillery systems, although historically they have also seen considerable use as air-to-ground, some use as air-to-air weapons, and even a few examples of surface-to-air devices.







SPECIFICATION	
TYPE	HEAT
LENGTH IN TRAVELING POSITION (mm)	800
LENGTH IN COMBAT POSITION (mm)	1200
MASS (g)	
PENETRATION (mm)	> 300 (on homogeneous armour plate)
MUZZLE VELOCITY (m/s)	
EFFECTIVE RANGE (m)	
MAXIMUM RANGE (m)	
PACKAGE (UNITS)	
PACKAGE WEIGHT (kg)	
FUZE	Impact, superquick, piezoelectric with self destruction, (UT PE M80 SP)

Rocke 3	\$	
nd Anti Tar RBR M80	ELA T	
64mm Hand Anti Tank Rockel RBR M80		1

	nk Weapon -
HEAT	<u></u>
1350	
13	t &
nogeneous armour plate)	= =
205	+ ~
250	=
1960	
2	
56	=
rquick, piezoelectric with action, (UT PE M80 SP)	120m



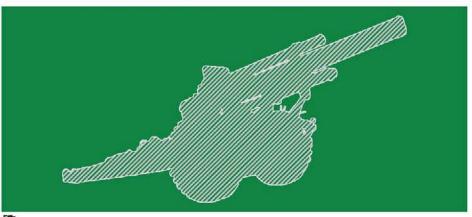


SPECIFICATION	
TYPE	HEAT
LENGTH (mm)	1350
MASS (kg)	13
PENETRATION (mm)	> 800 (on homogeneous armour plate)
MUZZLE VELOCITY (m/s)	205
EFFECTIVE RANGE (m)	250
MAXIMUM RANGE (m)	1960
PACKAGE (UNITS)	2
PACKAGE WEIGHT (kg)	56
FUZE	Impact, superquick, piezoelectric with self destruction, (UT PE M80 SP)

Artillery Shells







A shell is a payload-carrying projectile that, as opposed to shot, contains an explosive or other filling, though modern usage somtimes include large solid projectiles properly termed shot. (not verified in body) Solid shot may contain a pyrotechnic compound if a tracer or spotting charge is used. Originally, it was called a "bombshell", but "shell" has come to be unambiguous in a military conext.



76 mm

NATO DESIGNATION









PACKING ROUNDS IN CASE GROSS MASS WOODEN CASE 39 kg

ROUND 100 mm FIXED for GUN 100 mm on TANK T55, SPG 100 mm and COAST GUN 100 mm M87 NATO DESIGNATION HE



NATO DESIGNATION

05 mm

DESCRIPTION

PROJECTILE WEIGHT (kg)

CARTRIDGE CASE (kg)

PROJECTILE LENGTH (mm)

EXPLOSIVE (kg)

EXPLOSIVE TYPE

FUZE PACKING

Round 76 mm

PACKIN WOODEN CASE









В
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DESCRIPTION	SHELL M63	SHELL M63 P1	SHELL M63 P2	SHELL M69
PROJECTILE WEIGHT (kg)	15.6	15.6	15.6	12.2
EXPLOSIVE (kg)	1.41	1.48	1.58	1
CARTRIDGE CASE (kg)	695	695	695	695
EXPLOSIVE TYPE	TNT	TNT	RDX+AI	RDX
PROJECTILE LENGTH (mm)	492	492	492	638
MUZZLE VELOCITY (m/s)	900	900	900	900
MAXIMUM RANGE (m)	20618	20618	20618	3000 (combat range
FUZE	UTIU	172 B1, UTIU M02, U	TIU MO3	UT - PE M69
CKING		ROUNDS IN CASE		GROSS MASS

HE

SHELL M1A1

14.9

2.15

2.68

TNT

496

2

SMOKE

SHELL M60

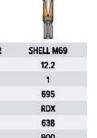
15

1.85

2.68

WP

496







ME ER
A
U

A
A
1000

A	SHELL M56
M	13
	2.15
(82)), (5)	2.68
	TNT
100	565
	675
	14000
	UTIU MO2, UTIU MO
	GROSS MASS

WOODEN CASE		2	
PACKING	ROUNDS IN CASE		
FUZE	UTIU M72 B1, UTIU M02, UTIU M03		
MAXIMUM RANGE (m)	11620	11620	
MUZZLE VELOCITY (m/s)	491	491	

	<u>Gua</u>		~		24
G	RO	SS	M	AS	\$
	1	6.8	lk	u	Г

HE ER-BB

50 kg

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4	n		PAR	IP94	
		-11		111	
	•	\mathbf{u}			

WOODEN CASE

NATO DESIGNATION



SHELL M56/M02

SHELL MIAI

SHELL M60

MCKING	POUNDS IN CASE	CDDCC MACC
FUZE	UTIU MO2, UTIU MO3	UTIU MO2, UTIU MO3
MAXIMUM RANGE (m)	14000	17000
MUZZLE VELOCITY (m/s)	675	670
PROJECTILE LENGTH (mm)	565	565
EXPLOSIVE TYPE	TNT	TNT
CARTRIDGE CASE (kg)	2.68	2.68
EXPLOSIVE (kg)	2.15	2.15
PROJECTILE WEIGHT (kg)	13	14.070
DESCRIPTION	SHELL M56/M02	SHELL M56/M02
וווווו פטו	<u>U</u> r	

2

HEER





MATO DESIGNATION	H.		SHORE	SHAE
122 mm	Å	Å		Ô
BESCRIPTION	SHELL TF-462A1	SHELTF-462AI	MOD	MGC
PROJECTLE WEIGHT (bg)	2L86	21,88	21.76	21.76
EDVENT (ng)	1.60	1.60	3.50	173
CANTINDOS CASE Buyl	3.65	3.66	3.56	3.66
BOYLANNE TYPE	THT	TMT	WP	WP
MOJECTUS (EBOTS (em.)	561	SM	561	561
MARKE WELDCITT (m/h)	666	800	505	880
MADOW PART (#)	12540	15300	12840	15300
RE	UTIO MOZ BY, UTI	U MOZ, UTIU MOS	UTIV	W2 81



Round 122 mm SEPERATE LOADED for HOWITZER D-30, D30J, SP 2SI

SEPERATE LOADEI Round 122 mm



	NOTO DESIGNATION	TE .	SMORE	
	122 mm	Ô		
	B/20-20-TION	SHELLTF-462M	MAG	
	PROJECTILE MERINT (by)	21.80	21.68	
	EDITRINE (Inj.)	3.60	380	
	CHARGES DAYS (MA)	2.94	254	
	EDICATE TITE	TMT	WP	
	PROJECTELY LESSTE (mm)	581	561	
	MAKELE FELOCITY (m/s)	B16	66	
	MULTINESS SCALE (m)	1900	1900	
	PEG	UTIU M72 BI, UTIU M02, UTIU M03	UTIU M72 B1	
Ü	HCIDIG	300 M 200 M	HANNES IN CASE	CERCAS NAAS
'n	0081 CKE		Z	18 kg





Round 125 mm SEPERATE LOADED for Tank GUN D-81, TM (2A46)







NATO DESIGNATION	HE	HE	
130 mm			
DESCRIPTION	SHELL M79	SHELL M79	
PROJECTILE WEIGHT (kg)	33.40	33.40	
EXPLOSIVE (kg)	3.64	3.64	
CARTRIDGE CASE (kg)	11.35	6.75	
EXPLOSIVE TYPE	TNT	TNT	
PROJECTILE LENGTH (mm)	671	671	
MUZZLE VELOCITY (m/s)	930	705	
MAXIMUM RANGE (m)	27490	13310	
FUZE	UTIU M72 B1, UTI	U MO2, UTIU MO3	

PACKING	ROUNDS IN CASE	GROSS MASS
WOODEN CASE	2	18 kg



52 mm	A	A
DESCRIPTION	SHELL OF-540	SHELL O
OJECTILE WEIGHT (kg)	43	43
	2.22	74572

WOODEN CASE		2	18 kg
PACKING	ROUNDS	IN CASE	GROSS MASS
FUZE	UTIU M72 B1, UTI	UTIU M72 B1, UTIU M02, UTIU M03	
MAXIMUM RANGE (m)	17400	13400	
MUZZLE VELOCITY [m/s]	655	511	
PROJECTILE LENGTH (mm)	700	700	
EXPLOSIVE TYPE	TNT	TNT	
CARTRIDGE CASE (kg)	7.50	7.50	
EXPLOSIVE (kg)	5.86	5.86	
PROJECTILE WEIGHT (kg)	43	43	
DESCRIPTION	SHELL OF-540	SHELL OF-540	



Round 152 mm SEPERATE LOADED for GUN-HOWITZER D-20

Round 155 mm for HOWITZERS M198, FH70, FH77, M109 A2 and GUN 45



NATO DESIGNATION	ERFB/BB	ERFB	HE
155 mm		Å	Å
DESCRIPTION			
PROJECTILE WEIGHT (kg)	47.6	45.54	42.6
EXPLOSIVE (kg)	8.71	8.71	8
CARTRIDGE CASE (kg)	1	1	1
EXPLOSIVE TYPE	TNT / RDX	TNT / RDX	TNT
PROJECTILE LENGTH (mm)	861	843	807
MUZZLE VELOCITY (m/s)	925 (52 caL)	925 (52 caL)	925 (52 caL)
MAXIMUM RANGE (m)	41850 (52 cal.)	34000 (52 caL)	32000 (52 caL)
FUZE		UTIU MO2, UTIU N	



Police Program

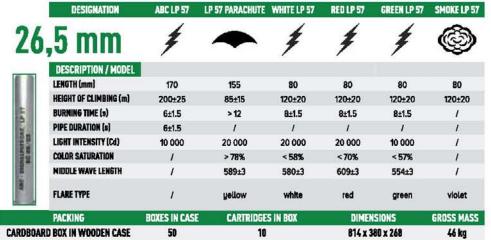










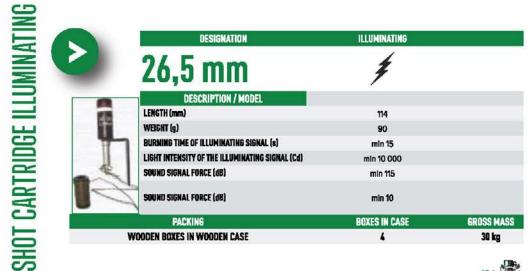




		DESIGNATION	ILLUMINATION	ILLUMINATION	SIGNAL	RUBBER BALLS	SINGLE BATON Rubber	STUN
88 mm 88	38 mm	#	#	#			(())	
8		DESCRIPTION / MODEL	ONE PART	THREE PART	WHITE/RED/ GREEN			
CC	- 6	LENGTH (mm)	70	70	70	123	123	137.5
	- 88	MAXIMUM HEIGHT (m)	70	70	80	1	1	1
9		BURNING TIME (s)	5	5	5	1	1	1
	- 33	LIGHT INTENSITY (Cd)	3 x 120 000	3 x 120 000	3 x 120 000	1	1	1
2	130	MASS OF CARTRIDGE (g)	1	1	1	120	180	190
~	198	NUMBER OF BALLS (pcs.)	1	1	1	28	1	1
CARTRIDGE	IT	MAX RANGE (m)	1	1	1	150	100	1
		SOUND INTENSITY (dB)	1	Î	1	1	1	120
		PACKING	BAGS IN CASE		CA	RTRIDGES IN BA	G	
	POLYETHILE	NE BAGS IN CARDBOARD	20			10		

	DESIGNATION	SMOKE	STUN	STUN AND FLASH
	45 mm		(())	((1))
of miles	DESCRIPTION / MODEL			
	LENGTH (mm)	130	130	130
	DELAY TIME (s)	3	3	3
	SMOKE TIME (s)	60	1	1
BOOK AND A	MASS OF GRENADE (g)	240	180	180
Traff state	LIGHT INTENSITY (Cd)	1	1	200 000
	SOUND INTENSITY (db)	1	120	120
	PACKING	BAGS IN CASE	GRENADES IN BAG	GROSS MASS
POLYETHILEN	E BAGS IN WOODEN CASE	36	1	17 kg

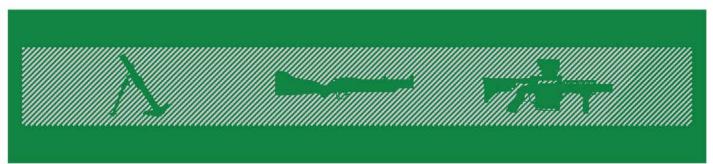








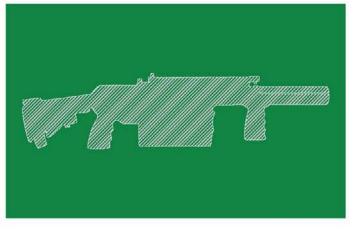




Grenade Launchers









DESCRIPTION / MODEL	RBGP 38/1 mm M09-00	RBGP 38-55/1 mm M09-00	RBGP 40/1 mm M08-00
CALIBER	38 mm	38 mm	40 mm
TUBE	smooth	smooth	1
TUBE LENGTH	250 mm	300 mm	250 mm
CHARGE	1 shell	1 shell	1 shell
THE LENGTH OF THE DRUM	130 mm	140 mm	130 mm
TYPE OF FIRE	single	single	single
TRIGGER MECHANISM	double action	double action	double action
WEIGHT WITHOUT AMMUNITION	4 kg	4.3 kg	3.8 kg
HEIGHT	< 250 mm	< 250 mm	< 250 mm
WIDTH	<100 mm	<160 mm	<100 mm
AMMUNITION	38 mm	38/ 55mm	40 mm
GUNPOINT DEVICES	mechanical	mechanical	mechanical
GUNPOINT PARTITION	50 - 150 m	50 - 150 m	50 - 350 m



HAND GRENADE LAUNCHER FLIP RBGP 38/1 mm M09-00; 38-55/1 mm M09-00, RBGP 40/1 mm M08-00



REVOLVER GRENADE LAUNCHER RBGR 40/6 mm M07



DESCRIPTION / MODEL	RBGR 40/6 MM M07
CALIBER	40 mm
TUBE	smooth
TUBE LENGTH	250 mm
CHARGE	6 shells
THE LENGTH OF THE DRUM	140 mm
NATE OF FIRE	12 shells / min.
RIGGER MECHANISM	double action
WEIGHT WITHOUT AMMUNITION	6.8 kg
HEIGHT	<355mm
MIDTH	<170mm
AMMUNITION	40x46 mm
GUNPOINT DEVICES	reflective type
SUMPOINT PARTITION	50 - 150 m

DESCRIPTION / MODEL	RBR7	
CALIBER	40 mm	
OVERALL LENGHT RPG7-PPT	960mm	
CALIBER GRENADE	85mm/70mm	
LENGTH GRENADES WITH A PRIMER	925mm/940mm	
MUZZLE VELOCITY	120m/sec/140m/sec	
RATE OF FIRE	4-6 round per minute	
EFFECTIVE RANGE	500m	
WEIGHT WITHOUT AMMUNITION	7kg	
TYPE OF FIRE	single shot	
THE TRIGGER MECHANISM	indirect effect	
TRIGGER PULL	up to 45N	
THE FIRING PIN (RETRACTED POSITION)	-0,5mm mln.	
THE FIRING PIN (THE EXTENDED POSITION)	+1,6 do +2mm	









HAND GRENADE LAUNCHER FLIP RBGP 38/1 mm M09-00; 38-55/1 mmM09-00; RBGP 40/1 mm M08-00



DESCRIPTION / MODEL	RBGR 38/6 MM M06
CALIBER	38 mm
TUBE	smooth
TUBE LENGTH	250 mm
CHARGE	6 shells
THE LENGTH OF THE DRUM	130 mm
RATE OF FIRE	10 shells / min.
TRIGGER MECHANISM	double action
WEIGHT WITHOUT AMMUNITION	6.5 kg
HEIGHT	< 335mm
WIDTH	<160mm
AMMUNITION	38 mm
GUNPOINT DEVICES	mechanical
GUNPOINT PARTITION	50 - 150 m

Mortars





























MORTAR 120 mm M74

DESCRIPTION			
CALIBER	81.4 mm	82.14 mm	120 mm
WEAPON MASS	45 kg	45 kg	120 kg
TUBE LENGTH WITH STAND	1324 mm	1374 mm	1692 mm
ANGLE OF FIRE	45"- 85"	45*- 85*	45"- 85°
FIRE RATE	20 - 25 rds/min	20 - 25 rds/mln	12 rds/mln
MAX RANGE	4943 m	6050 m	6440 m
MIN RANGE	88 m	120 m	85 m
MAX TUBE PREASURE	610 bar	650 bar	835 bar
GUNPOINT DEVICES	NSB-3	NSB-3	NS8-48
OPERATORS NUMBER	4	4	1+4

Explosives







PENTHRITE (PETN)



Penthrite (PETN), one of the most powerful and most bristant explosive, is used in the manufacture of detonating fuse, detonators, industrial explosive slurries and plastic explosives. If phlegmatized with wax, it is used in various types of ammunition.

OCTOGEN (HMX)



Octagen (HMX) is used exclusively for military purposes to implode fissionable material in nuclear devices, as a component of plastic-bonded explosives, as a component rocket propellant, and as a high explosive buster charge.

TRINITROTOLUENE (TNT)



Military grade TNT is widely used as a bursting charge for high explosive shells, aircraft bombs, grenades, naval mines and etc. It is also used in boosters, detonators, demolition charges and as an ingredient in slurries and for mining industries.

HEXOGEN (RDX)



Hexogen (RDX) can be used alone as a base charge for detonators or mixed with another explosive such as TNT, which produce a bursting charge for aerial bombs, mines, and torpedoes or as an ingredient in plastic bonded explosives.

ANFO EXPLOSIVE



ANFO has a wide variety of applications in dry hole blasting conditions. It is on of the most cost effective blasting agents available for use in large hole diameter mining through to small hole diameter quarrying. ANFO provides excellent heave energy.

BOOSTERS



Boosters are made of cast TNT/RDX mmixtures with an integrated primer charge of pressed tetryl or PETN which produces high velocity of detonation and detonating pressures, ensuring reliable initiation of bulk and cartridge explosives.







Frag grenades Smoke grenades Protective masks





Hand thrown grenade M2, CSIs designed for a special military and police units in anti-riot control operations for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminate area and temporary disable crowd. Causes hard irritation, teasing of eyes and mucous membrane, plenty tearing, cough, uneasiness breath and choking without injury.



Hand thrown grenade M1, CS is designed for a special military and police units in anti-riot control operations for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminate area and temporary disable crowd. Provokes hard irritation, teasing of eyes and mucous membrane, plenty of tearing, cough, uneasiness breath and choking without injury.



Special hand thrown grenade M79 AF-1S is chemical explosive device designed for a special military and police units in anti-riot control operations, for temporary incapacitating of unprotected crowd in open and closed area.



Cluster (cassette) hand grenade CS is chemical device designed for a special military and police units in anti riot control operations for temporary incapacitating of unprotected crowd in open and closed area.

HAND THROWN GRENADE THREE PART, CS

LAUNCHING-HAND THROWN GRENADE M3, CS

LAUNCHING-HAND THROWN THREE PART GRENADE M1, CS

RAPID SMOKE, CS



RBT-CS is designed for special military and police units in anti-riot control operations for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminate area and temporary disable crowd. Provokes hard irritation, teasing of eyes and mucous membranes, plenty of tearing, cough, uneasiness breath and choking without injury.



Launching-hand thrown grenade M3, CS is designed for special military and police units in anti-riot control operations for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminate area and temporary disable crowd. Provokes hard irritation, teasing of eyes and mucous membranes, plenty of tearing, cough, uneasiness breath and choking without injury.



Launching-hand thrown three part grenade M1, CS is designed for a special military and police units in anti-riot control operations for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminate area and temporary disable crowd. It provokes hard irritation, teasing of eyes and mucous membranes, plenty of tearing, cough, uneasiness breath and choking without injury.



Rapid smoke, CS is designed for special military and police units in anti-riot control operations, for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminates area and temporary disable crowd. It provokes hard irritation, teasing of eyes and mucous membrane, plenty of tearing, cough, uneasiness breath and choking without injury.

HAND THROWN CARTON GRENADE, CS

SMOKE HAND GRENADE 1, COLOR BD-1

SMOKE HAND GRENADE 2, COLOR BD-2

FLAMABLE HAND THROWN GRENADE BRZ M90



Hand thrown carton grenade, CS is designed for a special military and police units in anti-riot control operations, for temporary incapacitating of unprotected crowd in open and closed area. When thrown to a target, contaminates area and temporary disable crowd. It provokes hard irritation, teesing of eyes and mucous membranes, plenty of tearing, cough, uneasiness breath and choking without injury.



Smoke hand grenade 1, color BD-1 is designed as signaling and camouflage device, intended for day and night signalization for different applications, for marking of area for landing of planes, for jumping of parachutists, for determination of wind blowing, camouflaging of individuals and groups in one place or in movement, giving signals on land or sea, from floating objects or mountains. Can be used also in practice for handling with irritating devices or for simulation of variable activities at the site.



Smoke hand grenade 2, color BD-2 is designed as signaling and camouflage device, intended for day and night signalization for different applications, for marking of area for landing of planes, for jumping of parachutists, for determination of wind blowing, camouflaging of individuals and groups in one place or in movement. Can be used also in practice for handling with irritating devices or for simulation of variable activities at the site.



Flamable hand thrown grenade BRZ M90 is designed for a special military and police units applications, in setting fire to technical and military equipment, light bunkers and storage made of wood and earth. Also is applicable in destroying enemy, situated in small and easy flammable bunkers and shelters.

MASK M2



The M2 protective mask is intended specifically for for protection of the eyes, face and respiratory organs of the user against NBC contaminants in the form of gases, vapours, solid and liquid aerosols and dust particles as a result of the use of nuclear, chemical and biological waapons. The mask, together with appropriate filters, provides protection against contamination due to chemical accidents. The mask is used in the atmosphere containing at least 17% oxygen.

MASK M2 F



The M2 F protective mask complete with NBC M2 filter is intended specifically for efficient protection of eyes, face and respiratory organs against NBC contaminants in the state of gases, vapors, solid and liquid aero-sols and dust particles.

MASK M2 FV

The M2 FV protective mask is intended for protection of the eyes, face and respiratory organs of the user against NBC contaminants in the form of gases, vapours, solid and liquid aerosols and dust particles as a result of the use of nuclear, chemical and biological weapons. The mask has a built-in water-drinking system, whose capacity for the free leaking of water into the mask is no less than 200 cm3/minute.

B2-G PANORAMA



The B2-6 Panorama mask, type: Class 2 according to the SRPS EN 136, together with the appropriate fitted filter (with a screw according to the SRPS EN 148-1) is intended for protection of respiratory organs, face and the eyes against harmful effects of toxic gases, vapours, dust particles and smoke. It is mainly intended for use in chemical industry, i.e. wherever there are harmful gases, vapours, and particles.

MASK M2 F



The M3 mask, complete set is intended for protection of the respiratory organs, face and eyes of the user against NBC contaminants in the form of gases, vapours, solid and liquid aerosols and dust particles. The mask, together with appropriate filters, provides protection against contamination due to chemical accidents. The complete set includes: the M3 facepiece, the M3 filter, the water bottle with a bag.



Single based powders

SINGLE BASED POWDERS

For all kinds of ammunities from 6.56 to 155 mm:

- hauting and sport ammunition
 - pistel armunities
 - resuber au manifica
- small arms ammunition (from 6.45 mm cal. to 7.9 mm cal.)
- powders for alreadt and anti-aircraft opstons (from 12,7 mm cal. to 57 mm cal.)
- all types of powders for artillary communition (from 74 mm cal. to 166 mm cal.)

HC-41 APPLICATION: Black a normalities CALERES: 5,56×45 mm 7,42×37 mm



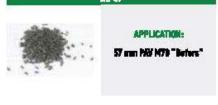
















APPLICATION 12,7 x 108 mm "BŠK"

NC-2	п, кс- п
	APPLICATION: Provider charges
	CALMER: N79, 122 mm 2546U, 192 mm

















Double Based Rocket Propellan

PROPELLANT CHARGE FIRE NO man ARRICHAFT ROCKET "S-NOOM" AND "S-NOO"



APPLICATION: For anti-armour battle at distances up to 3000 m.

Lamehod from a lamehing bex or from the "POLO" whicle, as well as from the "Gezele" helicogter. Rocket geldence in reseal erromi-automatic. Rocket posetration is 660 mm behind an ERA.

MASS: 0.68 kg • 1.5 kg

EFFECTIVE (POINT INLAND) NAMES: 3,000 m

PROPELLANT CHARGE FOR 57 mm AMERIAFT ROCKETS [5-5M AND 5-5E)



APPLICATION: The recitot is a part of the 57 mm metit-to be recitot function system, on aircrafts MIR-21, MIR-23 and MIR-27 and MIR-27 and MIR-27 and MIR-27 and MIR-28 holicaptors, intended for neutralizing of neonymetro

MASS: 1.13 (0.00) by

EFFECTIVE (PORT BLANK) RANGE: \$,000 to 4,000 m

PROPELLANT CHARGE FOR 122 mm RUCKET _GRAUT



APPLICATION: The recipit is a part of the LRSY 122 mm "GRAD" multi-tube metal tounding system, intended for neutralizing of energy man power, weaponry and lightly armound targets.

MASS: 21.3 kg Effective (Point Blank) names: 28.500

PROPELLANT CHARGE FOR 128 mm ROCKET, MAS "PLAMEN-A"



APPLICATION: The mediat is a part of the LRSV 128 are multi-labe recipit to nucley system and self-propelled, multi-labe recipit to eacher LRSV 128 are, M63/94, intended for neutralizing of occurry managemer, waspeary and lightly armound targets.

MASS: 4.76 kg Effective (Point Blank) Bange: 0.600 m

PROPELLANT CHARGE FOR 128 mm ROCKET, NOR , PLAMEN-D"



APPLICATION: The recket is a part of the LESY 128 mm resist-tube reciset leuncher system and self-propolled, mutil-tube recket leuncher LESY 128 mm, M62/94, intended for neutralizing of eneray management, weaponry and lightly armound targets.

NASS: 4.23 by Effective (point mank) naike: 12.700 m

DOUBLE BASED ROCKET

PROPELLANT AND PROPELLANT CHARGES

For all kinds of surrounding from 5.54 to 155 page:

- Propolitant charges of dismeter up to 136 mm for recitat meters
- Propollant charges for pyro-charges for ejection of pilot seats
 - Propollant charges for HEAT and artillary arrangement
- Recisit meter propolicat charges for air target immitator
- Propolizat charges for anti-ball systems

PROPELLANT CHARGE FOR 49 mm AMERIAFT NOCKET _S-10001" AND _S-100"



APPLICATION: The recket is a part of the LESY 128 man multi-tube recket issuecher system and self-propelled, multi-tube recket issuecher LESY 128 mm, M62/74, intended for neutralizing of enemy management, weapperry and lightly armouned targets.

NASS: 1.23 by

EFFECTIVE (POINT BLANK) RANGE: 12,780 m

PROPELLANT CHARGE OF BAND EXCIDENTALINCHER 128 man, M91 "POS-86"



APPLICATION: The hand recist louncher is an individual infentry means for unit-enrous battle of close distances, penetration of 700 ares of annual stant.

MASS: 8.71 kg

EFFECTIVE (POSIT MLANS) NAMES: 360 m

PROPELLANT CHARGES FOR HEAT PROJECTILES _PG-7Y**, _PG-7Y*** AND _PG-7Y**



APPLICATION: The hand grounds launcher is an individual infantry weapons for anti-ermour hattle at class distances, penetration of 330 mm to 500 mm of ermour stud.

NASS: 0.14, 0.22, 0.47 bg

EFFECTIVE (POINT BLAME) RANGE: 500 m, 1.300 m

PROPELLANT CHARGE FOR ANTI-MAILROCKETS "PP-6TS", "PP-6TK", "PP-6", "PP-6"



APPLICATION: For timely and accurate introduction of reagant into hall-bearing clouds by which conditions are created for prevention of free formation of hell grains, where critical crystallization cores are formation in blood of large hell grains crystals of small. dimensions are created.

MASS: 1.70 (1.96) kg

EFFECTIVE (POINT BLANK) RANGE: 4.000 m and 0.000 m

PROPELLANT CHARGE FOR 57 mm AMERIAFT ROCKETS [3-5M AND 5-5K]



APPLICATION: The hand recited launcher is an individual infantry means for auti-armour hattle at close distances, posstration of 380 nm of armour stool.

MASS: 0.130 kg

EFFECTIVE (POINT BLANK) RANGE: 258 m

Spirental Powders

SPHERICAL POWDERS

Spherical powders has two energy components: nitrocellulose and nitroglycerine. It is used as a commercial powder (in hunting and hunting am-munition) for small arms and for aircraft and anti-aircraft ammunition. "Milan Blagojevic — Namenska" A.D. has the most modern process technology of spherical powder production. It is based on a continuous procedure which has significant advantage to a batch one.

	POWDER TYPE	POWDER PURPOSE
	SB 501	PL + 1 1 0 11 - 11
u h e !	SB 502	Shotshell & Hunting Ammunition
1 the	SB 503	CaL 12/70 CaL 12/76 50 g Magnum
	SB 504	
	SB 505	
	SB 506	

	POWDER TYPE	POWDER PURPOSE
. 11	SB 416	BLANK POWDERS 5.56 x 45 mm BLANK 7.62 x 51 mm BLANK 7.62 x 39 mm BLANK
11	SB 420	9 mm PA BLANK 9 x 17 mm killer CARTRIDGES AND INDUSTRIAL PURPOSES

	POWDER TYPE	POWDER PURPOSE
111	SB 510	
	SB 511	5.56 x 45 mm

	POWDER TYPE	POWDER PURPOSE
THE STATE OF THE S	SB 520	7.62 x 51 mm NATO

ADVANTAGES

- Superior chemical stability
- Uniformity of loading
- Decreased powder charge
- Increased projectile velocity
 - More uniform burning
- Improved barrel operation life
- Lower flame temperature

ADVANTAGES OF THE CONTINUOUS PROCESS:

SAFETY:

Process is remote controlled and the biggest part of processing is performed under water.

FLEXIBILITY:

Powder production meets different ballistic requirements and more uniform distribution of grain size is achieved.

LOW COSTS:

Smaller investment funds and lower production costs.

	POWDER TYPE	POWDER PURPOSE
1.4	SB 440	22 Hornet, 223 Remington, 243 Winchester, 270
-44.	SB 515	Winchester, 7 mm Remington Magnum, .308
	SB 530	Winchester, 30-06 Springfield, 300 Winchester
	SB 630	Magnum, 7.62 x 39 mm, 338 Lapua Magnum
1000		

	POWDER TYPE	POWDER PURPOSE
in in in	SB 710	12.7 mm BROWNING
- Alle		

	POWDER TYPE	POWDER PURPOSE
A STATE OF THE PARTY OF THE PAR	SB 50B	Powder for grenades
9		



POWDER ITPE	POWDER PORPOSE
SB 720	10 × 102 mm NATO VULCAN

\$8 620 9 mm	 POWDER TYPE	POWDER PURPOSE
A Table 1	SB 620	9 mm



POWDER CHARGES

COMPONING A CLASS EAST RESISTANCE FROM 150 and TO 150 and













MONO-BLOCK POWDER CHARGES FOR 155 mm HOWITZER "MORA 1652"



- TECHNICAL BATA:
- Projectile M107
- 10 -600 m/o; Pm -1700 har; Name 18,400 m



BHMADULAR POWER CHARGES



FOR 155 mm HOWITZER STSTERS

MC 78NE 18 FOR 195 mm (PSW/DEE NCO - 19)



TECHNICAL DATA:

- Projectio EEFS-88
- 11-70 m/s; fm 3.20 km;
- · Range &L186 m

COMPARTIBLE COMPONENTS



CEBSCAL COMPOSITION:

- Eltreculia isso
- Trinitratal same

What we do

Digital Intelligence Services

1. Location Intelligence

In today's world, billions of devices are connected to the Internet; this connectivity generates vast volumes of data from various applications including metadata, GPS information, I.P Addresses and much more. Location intelligence in law enforcement involves analyzing geographic data to identify, predict, investigate and prevent crime patterns and hotspots.

2. LBS (Location Based Services)

- * The Active solution can instantly locate specific targets (up to 50). However, this solution can only pinpoint the location of specific targets and has an accuracy range of 100-200 meters.
- * The Passive solution. It allows for obtaining the geolocation of all subscribers in the network with an accuracy range of 25-200 meters.

3. Open-Source Intelligence (OSINT)

- * In law enforcement, Passive OSINT allows law enforcement agencies to monitor social media, online forums, and other digital platforms to track criminal behavior, gather evidence, identify patterns of criminal activity, enhance investigations, support case development and ultimately improve their ability to combat crime and protect communities.
- * In Politics, Active OSINT empowers politicians to influence public opinion through direct engagement By actively participating in online discussions and media interactions to shape perceptions, clarify issues, and build credibility, ultimately affecting public opinion on various topics and change trends from negative to positive and vice versa.

4. CCTV AI Module

Utilizes advanced algorithms to identify and track faces or vehicle license plates, aiding in surveillance and security applications.

5. Secure Messenger

Ensures confidential communication, protects sensitive data, and maintains operational security amidst evolving digital threats.

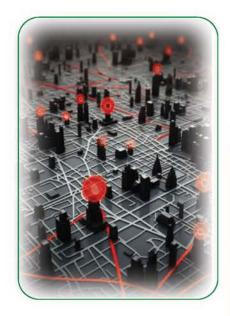
6. Digital Forensics

Extract, analyze, and leverage digital evidence crucial for uncovering threats, understanding adversaries, and safeguarding national security.

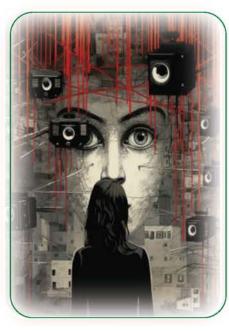
7. Surveillance & Counter-Surveillance

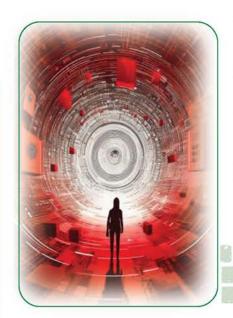
Detect or implant audio & video Bugs, protect against adversaries' monitoring, safeguarding classified information and operations.

Digital Intelligence

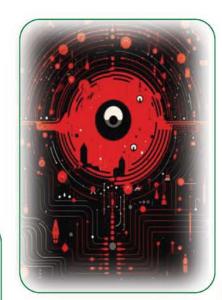


Products Overview



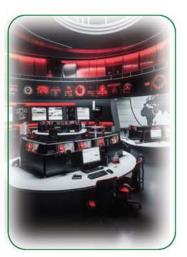












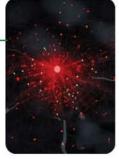
Our Cutting Edge Solutions



Location Intelligence

Utilizes geospatial data for enhanced situational awareness and informed decision-making in their operations.





LBS

Leverages
geographical data to
track and analyze
the location of
devices or individuals
for operational
purposes.





OSINT

Unleash the potential of our OSINT solution for comprehensive information gathering and analysis, providing actionable insights for strategic decision-making and enhanced security.





CCTV AI Module

Utilizes advanced algorithms to identify and track faces or vehicle license plates, aiding in surveillance and security applications.





Secure Messenger

Ensures confidential communication, protects sensitive data, and maintains operational security amidst evolving digital threats.





Digital Forensics

Extract, analyze, and leverage digital evidence crucial for uncovering threats, understanding adversaries, and safeguarding national security.





Surveillance & Counter-Surveillance

Protects against adversaries' monitoring, safeguarding classified information and operations.





Cybersecurity

Cybersecurity products are vital defenses against digital threats, employing technologies like firewalls and antivirus software to safeguard systems and data from unauthorized access and attacks.







A Revolution in Geospatial
Technology through an Innovative
Crowd Intelligence System;
Pioneering Counter Terrorism
and Crime Prevention.

Dicon D7G creates behavioral analytics models
that enable us to analyze the digital
footprints of anonymous devices based on
their movements and behaviors. These
models reveal incredibly intelligent patterns.

Why DICON D7G

Investigate **Monitor Protect**

Predict & Prevent



DICON D7G

Detecting & Combating most types of crime



Financial Crimes

Border Security
(Human trafficking, Weapons Supply, ...)

Critical Infrastructure Security

Natural Disasters

Espionage



Organized crime

Drug Trafficking

Drug dealing

Human Trafficking

Kidnapping

Banditry

Counter-Terrorism

Identify key players

Identify their locations

Terrorists' groups with sudden movements

Identify threat patterns

Track Terrorists' activities

Uncover hidden trends

Discover relationships



Critical infrastructure Security

- Real time insights into the status of critical infrastructure (Pipelines, Airports, Embassies,...)
- Illegal activities interception
- Predictive analysis
- Proactive threat detection & protection
- Logistics tracking

Financial Crimes

- TBML
- TBTF
- Money Laundering
- Corruption
- Fraud
- Tax Evasion

Financial Crimes

- Detect suspicious behavior at onboarding
- Mitigate transaction fraud and slash false positives
- Prevent account takeovers & account update fraud
- Investigating Corruption Networks
- Identifying Asset Locations
- Tracking Financial Flows

Border Security

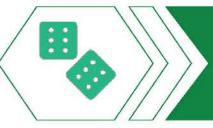
- Protect your borders 24/7 and get alerted by any trespassers
- Identify & protect critical premises (geofencing)
- Tracing illicit supply chains (weapons, ...)
- Demonstrate trafficking routes
- Identify smugglers and their inter countries activity



DICON D7G Concept



Global Visibility



Correlation with multiple data sources



Offline System



Friendly graphical user interface.



Giving the investigator the ability to achieve technical tasks.

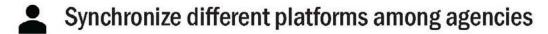


Navigating in time.



Control access to information

Friendly graphical user interface

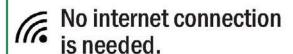


Different Data modules under ONE suite

No need for technical skills

Offline system





Global visibility

- Data insights beyond borders.
- Manage a large amount of data (Up to 100,000 application feeding mobility Data Daily Integration of 50 billion records...).
- Data includes almost all countries.
- No need for traditional cooperation with local service providers.

Investigator's ability to achieve technical tasks

- ? No need for sophisticated QUERIES.
- The investigator can do everything.
- Imagination is the limit.
 - Reduce your circle of confidentiality.

Technology, Big Data & Al

Handling Handling structured and unstructured types of data

Ingesting Ingesting the large amount of data in a measurable time

Executing Executing any query or scenario in matter of seconds

Performing complex predefined scenarios in the background

Flagging suspicious devices or entities

Providing Providing alerts and daily threat analysis reports

Navigating in time: Backward & forward investigations



Understanding the past



Analyzing the present



Predicting the future

Control access to information



Restrict Access to sensitive areas.



Audit trail record.



Multiple factor authentication (biometrics).

Digital Forensics Telecom Data (CDR, SDR, LSB)

GIS (Geographic infomation system)

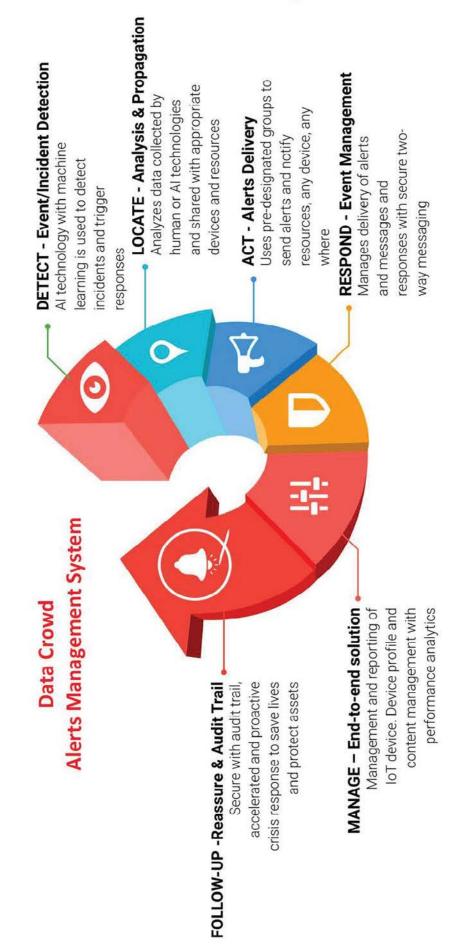
Tracking devices data Correlation with multiple data sources

CCTV (Closed-Circuit television)

IMS (Image Matching system)

NMS (NaAme matching system) KYC (Know your customer)

DICON D7G Alert management



Data Transfer through online platform (gcp, aws,...)



Downloading Data from Private Clouds

Cloud



DICON D7G Data Services No connection needed between

VCIS Data Servers and deployed platforms



Law Enforcement Agency

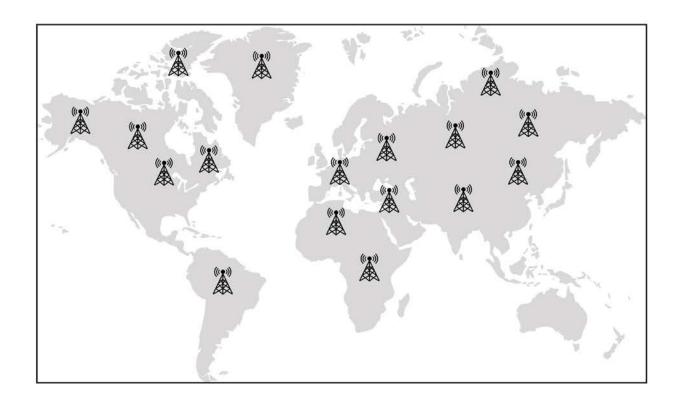
LBS Active & Passive

Active

- Locate specific targets (Usually Up to 50+ targets)
- The accuracy is between 50-200 meters
- Is able to obtain the location of specific targets only
- **NO Previous Historical Records**

Passive

- Obtain all subscribers location
- Visualize on a dynamic map
- The accuracy is between 25-200 meters
- Detect whether the user is inside the house or in an open space



Location Accuracy

Our product guarantees top-tier location accuracy, harnessing innovative methods for precise and reliable positioning.

Dynamic Maps

Revolutionize your navigation experience with our dynamic maps product, providing real-time updates and interactive features for seamless exploration.

Data Visualization

Experience the power of seamless data visualization with our product, enabling the comprehensive analysis of large datasets at once.

Load Efficiency

Our product excels in efficiently processing vast data volumes, ensuring swift and accurate insights for optimal decision-making.

OSINT Open Source Intelligence

Intelligence-Driven Decisions

Support decision-making, threat assessment, and strategic planning.





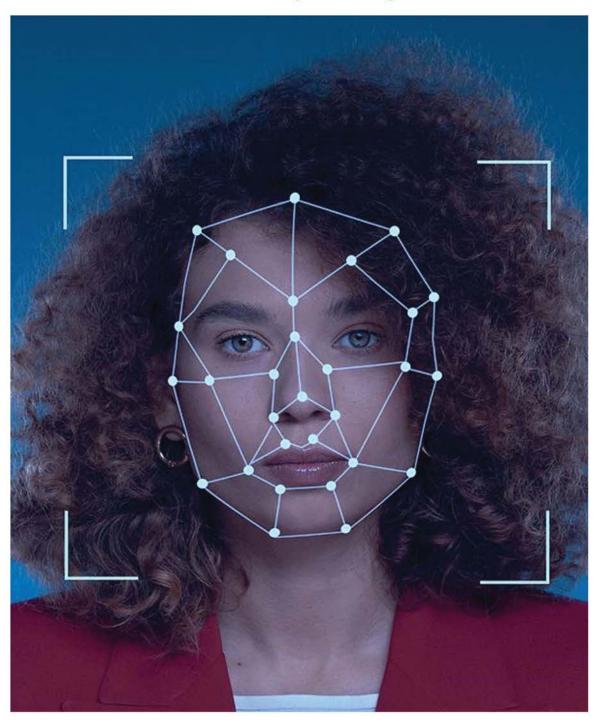
Analyze Large Sets of Data

Gather, analyze, and interpret publicly available data from Social Media, TVs, Websites, Newspapers, Chat Groups, Blogs & many others.

- Real-time Insights: OSINT offers current information for swift decision-making.
- Threat Analysis: Helps agencies proactively analyze potential risks and monitor activities.
- Strategic Planning: Contributes to effective strategies based on open source intelligence.
- Timely Response: Enables quick responses to emerging threats and incidents.
- **Collaboration:** Facilitates information sharing among security agencies and stakeholders.

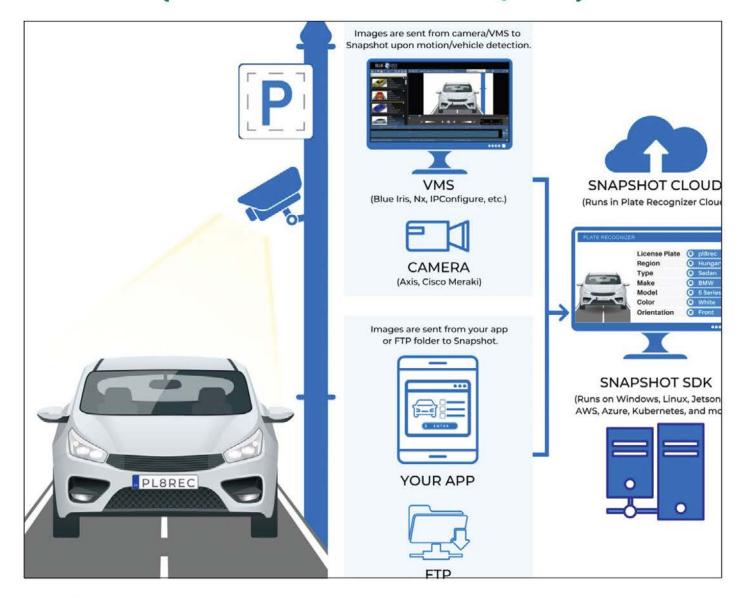
CCTV AI Engine

Face Matching & Recognition



- Enables search and reporting from vast amounts of video.
- Locates person of interest faster.
- Suitable for static and non-static video (mobile, CCTV, body worn etc.).
- Imports video with faces present.
- Detects faces in video & images quickly.
- Matches faces to suspect list.
- Exports out all faces found in video quickly.

ALPR (Automatic License Plate Recognition)



ALPR System assists in:

- Tracking Suspects.
- Identifying and locating vehicles involved in criminal activities.
- Monitoring and tracking vehicles crossing international boundaries.
- Analyzing patterns, tracking vehicle routes, and identifying associations between different vehicles.
- Identifying stolen vehicles, unregistered cars, or vehicles linked to wanted individuals.
- Threat detection by flagging vehicles associated with potential security risks.

Secure Messenger



100%

Your Own The Code

Our product stands out by offering full ownership of the source code, granting users unparalleled control and adaptability. With the ability to customize and enhance the software independently, businesses gain flexibility, security, and long-term value. This unique feature ensures a strategic advantage, empowering users to shape the product according to their evolving needs.

100%

Your Own Infrastructure

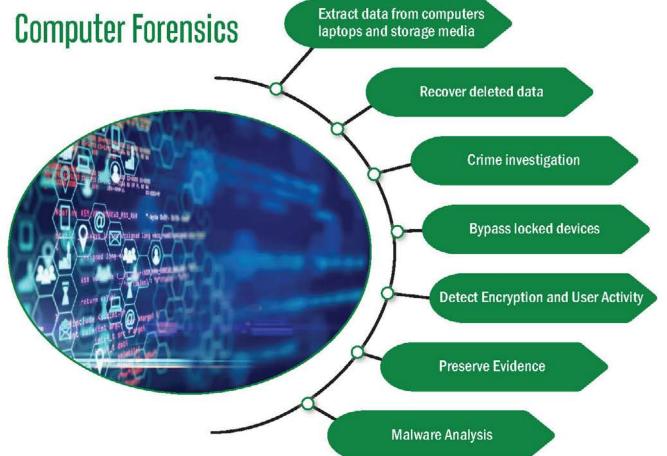
Our product is uniquely hosted on self-owned infrastructure, guaranteeing users a secure, reliable, and fully controlled environment. With increased data privacy and reduced external dependencies, this approach not only ensures optimized performance but also instills confidence in users that their operations are within their complete control.

100%

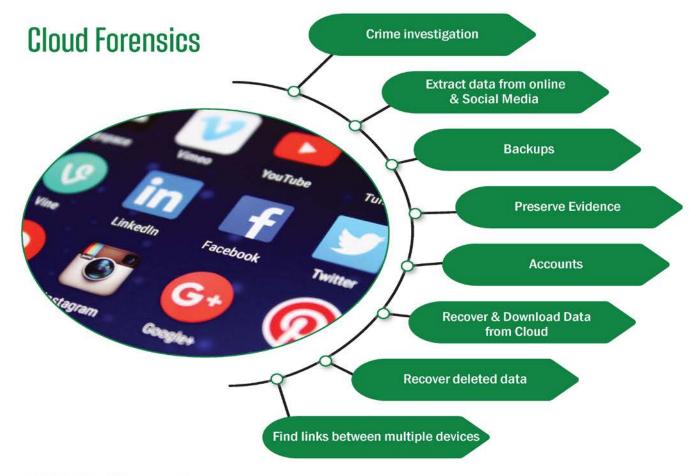
Our product employs military-grade encryption, employing state-of-the-art algorithms to secure sensitive data with maximum effectiveness. Users can trust that their information is protected at the highest level, providing peace of mind and robust security against potential threats.



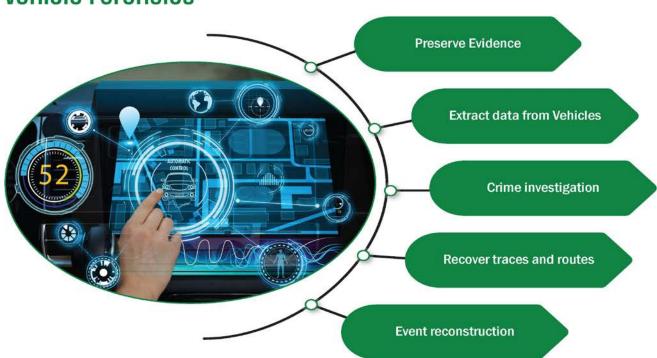








Vehicle Forensics









Security information and event management

Components of SIEM

Data Collection

- Logs from diverse sources (firewalls, antivirus, servers, etc.).
- · Network traffic analysis.

Normalization

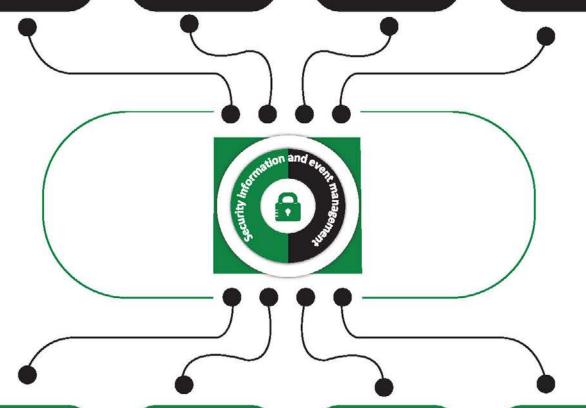
 Standardizes and normalizes data for consistency.

Correlation

 Identifies patterns and relationships between events

Alerting

 Generates real time alerts for potential security incidents



Threat Detection

 Early detection of security threats and incidents.

Incident Response

 Enables quick and effective response to security incidents

Compliance Management

 Facilitates adherence to industry regulations and standards

Forensic Analysis

 Provides detailed analysis for post investigations.





Advanced Threat Detection

Identifies and responds to sophisticated threats Examines the reputation of files and processes, identifying potential threats based on historical data and behavior.

Reduced Dwell Time

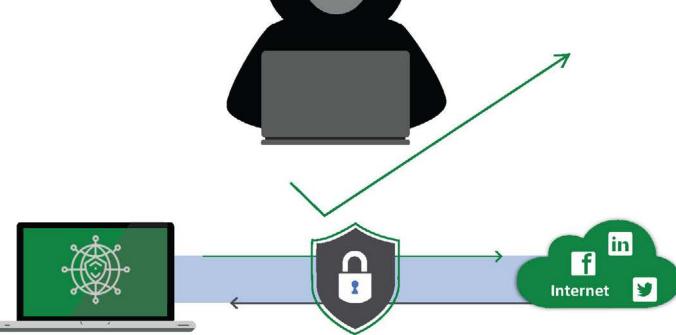
- * Implements automated response actions to minimize manual intervention and reduce the time it takes to neutralize threats.
- * Proactively searches for threats on endpoints, helping to identify and mitigate potential risks before they escalate.

Endpoint Visibility

- * Maintains an updated inventory of all endpoint devices, providing a comprehensive view of the organization's attack surface.
- * Analyzes user behavior on endpoints, detecting anomalies and potential insider threats through advanced analytics.

Compliance Assurance

- * Generates detailed audit trails of endpoint activities, aiding in compliance audits by providing a verifiable record.
- * Enforces security policies on endpoints, ensuring alignment with regulatory requirements and organizational security standards.



Penetration Testing

Penetration Testing

Objective: Identifying Weaknesses

Systematically uncover vulnerabilities in software, hardware, and network configurations. Prioritize weaknesses based on potential impact and exploitability.

Approaches: Diverse Testing Methods

Black Box Testing:

Simulates external attackers with no prior knowledge of the target system.

White Box Testing:

Assesses the system with full knowledge of internal architecture and code.

Gray Box Testing:

Strikes a balance, providing partial knowledge for a realistic perspective.



Value Proposition: Proactive Security Measures

Risk Mitigation:

Prioritize and address high-risk vulnerabilities.

Compliance Adherence:

Support regulatory compliance with effective security controls.

Trust Building:

Demonstrate commitment to security, building trust with clients and stakeholders.



Process: Step-by-Step Exploration

Planning and Reconnaissance:

Define scope, gather information, and understand the target environment.

Gaining Access:

Attempt to exploit vulnerabilities and gain unauthorized access.

Evaluate impacts, document findings, and provide detailed reports.

SOC Services

Security Operation Center



Skill Shortage

58% of organizations believe they have a problematic shortage of cybersecurity skills, impacting the effectiveness of their cybersecurity posture.



Outsourcing

21% of organizations outsource their SOC functions partially or entirely to third-party providers.

\$215 Billion

Cybersecurity Spending

Worldwide spending on information security and risk management technology was projected to reach \$215 billion in 2024, indicating a continued increase in investment.

Outsourced SOC Benefits

Cost Efficiency:

- * Avoid upfront costs for infrastructure and technology.
- * Benefit from economies of scale and shared resources.

Access to Expertise:

- * Tap into diverse cybersecurity skills and experience.
- * Ensure 24/7 monitoring and response with dedicated professionals.

Advanced Technologies:

- * Access state-of-the-art cybersecurity tools and technologies.
 - * Ensure regular updates to combat evolving threats effectively.

Focus on Core Business:

- * Emphasize core business functions with internal teams.
- * Mitigate security risks with dedicated experts, fostering business growth.



Virtual G S0

V C I S Cybersecuri

Leadership Unleashed.

Leverage seasoned cybersecurity experts for strategic direction.



Develop and implement a risk management strategy aligned with your organization's specific needs.



Access CISO-level expertise without the cost of a full-time executive.



Swiftly deploy strategic cybersecurity measures with immediate effect.



Marine smuggling and dark vessels

Introduction

Criminals have become increasingly adept at taking advantage of people's need to move and their limited choices for doing so, to generate enormous illicit profits by facilitating unsafe migration. Migrant smuggling has been the focus of significant international laws and policies owing to the particular dangers posed to migrants smuggled in perilous conditions at sea. Smuggling by sea has been detected in several regions, including the Gulf of Aden, the Pacific Ocean, the Bay of Bengal, the Andaman Sea and the Mediterranean Sea. Smugglers often increase their profits by reducing safety and keeping conditions poor on board, which usually means cramming people into unseaworthy, disposable vessels.

Tracking vessels with automatic identification systems (AIS)

International waters are governed by the International Maritime Organization (IMO). The IMO requires all ships to use an automatic identification system (AIS). AIS uses the vessel's GPS or sensor built in to the AIS unit to transmit information including:

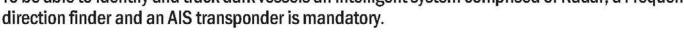
- * the vessel's name, unique marine identity number and call sign
- * the type of vessel (fishing, cargo or passenger)
- * the vessel's size
- * the vessel's position on the sea
- * its course of travel and speed.

The AIS broadcasts the vessel's position continuously – every 2–12 seconds in order to avoid collisions at sea. Satellites pick up this information and relay it to ground stations, so even vessels in remote parts of the ocean are tracked.

Dark vessels

Vessels that do not want to be tracked switch off their AIS systems. They 'go dark' and are known as dark vessels. The ships may also be involved in transferring illegal goods or smuggling drugs or people. All illegal activities are carried out by dark vessels.

Unlike registered boats, dark vessels don't have identification systems so they can't be tracked. With radar imaging, every boat on the ocean becomes visible, regardless of weather conditions or restricted waters. Cross-checking against registered signals reveals which ships don't belong. To be able to identify and track dark vessels an intelligent system comprised of Radar, a Frequency





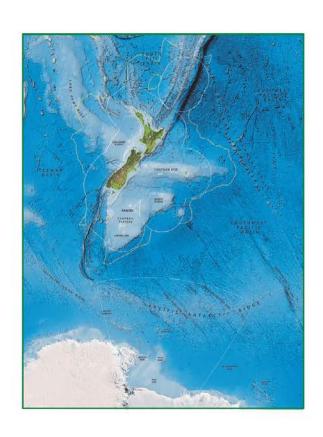
Protecting the territorial waters

Countries that border the sea have territorial waters. A very long time ago, this distance was 3 nautical miles (about 5.5 km) – the range of a cannon shot! In more modern times, the distance was 12 nautical miles (nmi) until 1982 when the United Nations established an international framework to create exclusive economic zones (EEZ) that stretch 200 nmi from the coastline. To protect the territorial water a special system should be used in order to be able to first identify the dark vessel and then be able to locate them. In order to be able to do that we need three systems:

- * Radar
- * Direction Finder with the control station.
- * Automatic Identification System Transponder.

Synthetic aperture radar (SAR)

instruments on board are very essential in determining the presence of dark vessels. SAR emits radar waves that strike the steel surface of a vessel and then ping back. SAR has real advantages over optical imagery (photos) – it isn't blocked by clouds and it does not require someone to be able to see a vessel amongst the camouflaged background of the waves. The solution includes also an automatic localization system of the radio signals on the emergency channel, an aiding system for the search area and search paths calculation and a coordination console that assists the Coast Guard operator during SAR phases by visualizing search paths and the last known position of the vessel in distress.



Localization

An intelligent system could detect and localize the vessel in the sea by monitoring the radio channel activity. Radio communications often occur so that an intelligent observer which looks from different locations could localize the vessel by signal direction detection. To this aim a radio direction finder (RDF), that is a device for finding the direction of an incoming radio signal, may be a useful tool. The Radio Direction Finder checks the signal strength of a directional antenna pointing in different directions. While old devices used a simple rotating antenna linked to a degree indicator, new devices use a dipole antenna to detect the signal.



In the past the RDF was used during the war to detect and identify secret transmitters in large region. The same idea can be applied to the different scenario of marine case. A group of RDFs controlled by an intelligent system can detect a distress signal and localize the source before that a communication between human beings even starts. The system we developed, is also able to track vessel movements after its first dentification (tracking feature). The detection range can be increased by the installation of new units along the coast. The intelligent system is composed by a society of intelligent agents which collaborate in monitoring radio frequencies, in matching the detections, in notifying every request. The system normally listens to the maritime radio emergency channels and whenever a signal is detected, a search of possible matches is looked for. When a match is found, the agents notify the discovery to other agents

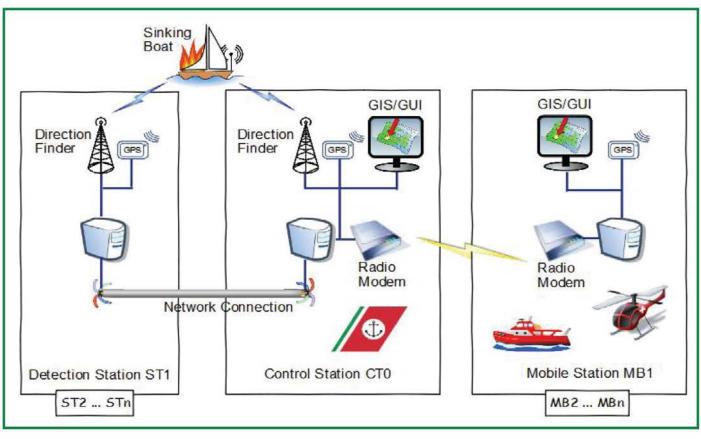
responsible for other system and to the Coast Guard personnel. When the source of the signal (the vessel) and the two detection stations are not aligned, a geometric triangulation gives the vessel position. The triangulation is computed between the direction vectors detected by the two stations. Of course, two vectors are necessary and sufficient but other ones may be used to improve the precision of the localization. Precision is in fact limited by the small error on the identification of the observed signal direction. The degree error becomes an estimated position error that is proportional to the distance between the source and the detection stations. In Figure 1 we show the simplest scenario where a dark vessel sends a signal that is in turn detected by a couple of coast stations. After the detections, the intelligent agents share that information and localize the source of the signal. In figure 1 we show the two vectors and the two angles used for triangulation. In the system there are two different kinds of stations:

Detection stations are unmanned and the only host hardware and software devoted to receive the radio signal and identify its direction. Control stations are manned and they host a complete hardware-software system thus including the capability of receiving informal ion from detection stations, performing triangulation and supporting SAR operations as described in the next subsection. Usually there is one control station responsible for each sea area according to Coast Guard procedures. Each detection station sends the following data to the control station:

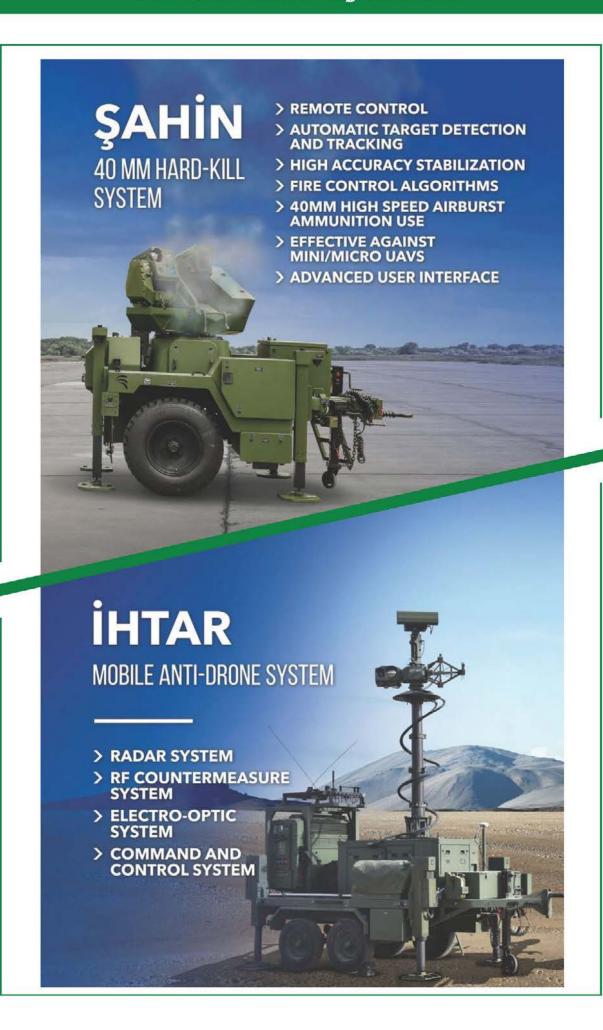


- * the radio channel of the signals obtained from detection finder
 - * the direction of the signal
 - * the position of the station

The time of detection the position and the time of detections are very useful to match detections from several stations. Of course, two detections of the same signal have a very similar detection time. The detections should be stored in an archive to solve problems about communication delays. In order to match a signal, the system searches a very similar detection from another station occurred in a fixed time window; the match with highest score is selected and used to compute the triangulation. So far, the computed localizations are sent to a GUI-GIS platform which shows a map to support the detection and finding of the dark vessel. The operator can update the data about any vessel shown by Fig. 1.



Air Defense Systems



AURA-200G

Multifunction Surveillance Radar



Aslan 150M2/G



ALKAR 100/81



ALP 300-G

Early Warning Radar System



ALP 300-G, is a new generation S-Band radar developed for long range early warning, with its AESA and digital beamforming antenna architecture. ALP 300-G has the ability to detect and track air breathing targets, ballistic missiles, anti-radiation missiles and stealth/low RCS targets from very long ranges.

AESA and Digital Beam Foming architecture together with Multi Channel Receivers allows to produce simultenous beams in space paving the way for multi-function and multi-mission operations. ALP 300-G uses weather information to optimize its detection and tracking performance. ALP 300-G is a highly mobile standalone system with its radar, command control/communication and power systems on tactical trucks without mounting/demounting operations for deployment and marchorder. ALP 300-G can be connected to radar networks and can exchange 3D air picture among different ALP 300-G systems and the Air Force command centers thru radios, radio links and army backbone thru AWCIES messaging. ALP 300-G can perform data fusion and track handover amongst themselves, which is a critical feature especially for ballistic missile defense. A long range Mode 5 IFF interrogator is integrated with a high gain IFF antenna to cooperate with radar's operational modes. ALP 300-G AESA arhitecture and modular design approach support the concepts of high availability and low cost maintenance. ALP 300-G, has several ECCM features such as frequency / time agility, low side lobe levels, jammer strobe and nulling, side lobe blanking, to name a few.

Operational & Tactical Specifications

- Effectiveness against a broad set of threats at long range
- Detection and Tracking of Targets with Very Small RCS at Long Range
- Detection and Tracking of Ballistic Missiles
- Electronic Scanning in Azimuth and Elevation
 State of the Art Solid-State Power Amplifier Technology
- Digital Beamforming
- Target Classification Capability
- Various Tactical Operation Modes
 Long Range Mod5/S IFF System (Compatible with NATO STANAG-4193)
- Local and Remote Radar Control
 Performance Evaluation Subsystem
- Integration with the National C2 Systems and NATO Air Command and Control System (ACCS)
- Integration with the Air and Missile Defense Systems
- Compliance with the Tactical Communication Networks
- Advanced Electronic Protection Measures and Cyber Security
- Counter Measures against Anti-Radiation Missiles
- Portability with 10 Ton Class Tactical Wheeled Vehicles (TWV)
- Transportable with C130/A400M
- 24/7 Operation
- 3000 Hours MTBCF
- 9 %99.9 Availability
- 30 Minutes Deployment and March-Order Time
- Advanced Built-in Test (BIT) Capabilities
- 30 Minutes MTTR
- Endurance to Harsh Environmental Conditions (MIL-STD-810G)
- Advanced Algorithms for Windfarm Mitigation



ALP 110-G

Multifunction Aesa Air Surveillance Radar System

ALP 110-G is a multifunction AESA Air Surveillance Radar System that can be used not only as the main search radar for the ground based air defense systems but also as a gap filler radar to cover the areas which cannot be covered by other long range radar systems.

System can perform target detection and tracking functions within medium/long range (>100 NM) and low/ medium/high altitude and can identify targets by using its onboard Secondary Surveillance System (Mod-5/S capable).

Improved system mobility is one of the main advantages of the being integrated on 8x8 tactical wheeled vehicle including power generator and communication equipment. System is compact enough to be transported by an A400M aircraft.

Two operators can prepare the system for transport or operation within 15 minutes.

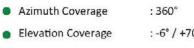
The system has the ability to detect and warn for ballistic objects such as Rocket Artillery and Mortar (Sense and Warn). System offers a dedicated mode for weapon locating, reporting point of launch enabling precise counter-fire and generating automated alarms by calculating point of impact.

Technical Specifications

Operating Frequency : S-Band

Instrumented Range : > 110 NM

Target Track Capacity :>1000





Features

- 3D Detection and Tracking Fighters, Helicopters, Hovering Helicopters, Unmanned Air Vehicles (UAVs), Cruise Missiles
- Multiple target tracking
- Classification of targets
- Identification of targets with integrated
- Mode-5 IFF
- Jammer direction finding
- Remote operation with Command Control System



HISAR 0 100

Medium Range Air and Missle Defense System



Medium Range Air Defense Missle System

Air Defense of Stationary Forces and Critical Assets Target Interception with IIR and RF Missles Multiple Engagement and Successive Firing Threat Evaluation and Weapon Assignment Operation in day, night and adverse weather conditions mobility in tactical area.

HISAR O+ Medium Range Air Defense Missle System is dedicated to air defense of Stationary Forces and Critical Assets against:

- Fighters
- Helicopters
- UAVs
- Cruise Missiles
- Air to Surface Missiles

HISAR O+ performs target detection, classification, identification, tracking, command & control and fire control functions in a distributed and flexible architecture.

One HISARO+ Battery consists of battery level FCC, battery level Radar, Electro-Optical System, TDLCS and Missile Launching Systems. HISAR O+ Battery has the capability of target detection, tracking, identification and performing command & control and fire control functions autonomously. HISARO+ is organized in battalion level and consists of battalion level Fire Control Center (Battalion FCC), battalion level Radar, three HISAR O+ Batteries, Tactical Data Link Connection System and Support Vehicles. Battalion FCC produces Integrated Air Picture using track information provided by battalion level Radar and Air Defense Batteries in the Battalion, performs threat evaluation and assignment for

HISARO+ Medium Range Air Defense Missile System is state of Medium Range Air Defense Missile System is state of future technology.

Specifications

- System Interception Range
- Ready-to-Fire Missile
- Fighter Detection&Track Range
- Number of Tracks

: 25 km

: ≥ 18 (Battery Level)

Features

- Effective Air Defense Execution with Distributed Architecture and Flexible Deployment.
- Air Defense mission planning at battery and battalion level.
- Management and distribution of command and control information.
- Integrated air picture generation.
- Target Interception with IIR and RF Missiles.
- 360° Threat Destruction via Vertical Launcher.
- Multiple engagement and successive firing.
- Data Link for midcourse guidance. Operation in day, night and adverse weather conditions.
- Global positioning system and navigation.
- Remote control.
- Wired or wireless communication between systems.
- Work in coordination with Turkish Air/Naval/Land Forces command and control units using Link 1/Link 11B/Link 16 tactical data links and JREAP.
- Automatic target tracking and shooting with using EO sensors.
- Identification Friend or Foe (IFF).
- Threat Evaluation and Weapon Assignment.
- Multi Target, Multi Radar Fusion.
- Embedded Simulation.
- Built-in test, Effective ILs and maintenance.





Long Range Air and Missile Defense System

- LONG RANGE AIR DEFENSE of strategic facilities against enemy attacks
- Distributed Architecture
- Close and Remote deployment capability
- Multiple engagement and successive firing
- Ability to operate in coordination with Air/Naval/Land Forces command and control units using tactical data links
- Transportation capability with land, air, naval and railroad
- Connection with Radar Network and HvBS

SİPER Long Range Air and Missile Defense System is effective against:

- Air Breathing Targets
- Cruise Missiles
- Air to Surface Missiles
- UAV's

SIPER System consists of:

- Command and Control Level
- Command and Control Center
- Long Range Surveillance Radar

Battery Level

- Fire Control Center
- Fire Control Radar
- Missile Launching System
- Missile Transport Loading System
- Long Range Missiles
- Communication Systems
- Support Equipment's and Class Type Training Center



Specifications

System Max. Interception Range
 System Interception Altitude
 Coverage
 Number of Tracks
 Battery Level Engagement Capability
 Battery Level Missile Guidance Capability
 20

Features

- Air Defense mission planning and coordination
- Management and distribution of command and control information
- Integrated air picture generation
- Multiple engagement and successive firing
- Manual/Semi Automatic/Automatic engagement capability
- Identification Friend or Foe (IFF)
- Automatic diagnosis management
- Threat evaluation and weapon assignment
- Multi-Target Multi-Radar fusion
- Data Link (Uplink and Downlink)
- Terminal guidance with RF Seeker
- RF Target Detector
- Highly effective Warhead
- Wired or wireless communication between systems
- Vertical/Oblique launching capability
- Radar Network and HvBS connection capability
- Operation in day, night and adverse weather conditions
- Ability to operate in coordination with Air/Naval/Land Forces command and control units
- Embeded Simulation
- Ability to operate with 6 missiles on the Missile Launching System
- Solid propellant propulsion system (monobody)



TIMSAH T360S/T375S

Thermal Weapon Sight

- NEW GENERATION UNCOOLED THERMAL SIGHT
- 8-12 μm WAVELENGTH
- DIFFERENT OBJECTIVE ALTERNATIVES
- WIRELESS HEAD-UP DISPLAY (OPTIONAL)
- ERGONOMIC
- COMPACT & LIGHT

Applications

- NightShooting & Marksmanship
- Observation & Surveillance

Main Features

- Automatic Image Optimization
- Image Recording and Playback
- Polarity Options
- Wireless Head-up Display (Optional)
- Ballistic Reticle
- Light Proof Eyecup
- Rugged Design
- Rechargable Li-Ion Battery

Technical Specifications

Operation Wavelenght

: 8-12 µm (LWIR)

Detector Type

: Uncooled

Detector Resolution

: 640 x 480

Detector NETDVideo Format

: Max. 50 mK

Color Reticle

: PAL : Available

Image/Video Storage

: Available

Internal Memory

Ammo.Counter

: Available (32GB)

Tilt Sensor

: Optional : Optional

Battery

Field of View

(WXLXH)

: Li-lon (re-chargable)

8.3° x 6.2°

Operation Time

: 8 hours

Magnification	x2.2	x2.8
Electronic Zoom	x2, x4	x2, x4
Weight (w/o battery & accessories)	780 g	1010 g
Dimension	85x230x82mm	100x260x100mm

10.3° x 7.7°

Environmental Conditions

Operating Temperature : -32°C / +50°C
 Storage Temperature : -40°C / +65°C
 Water Resistant : 1 m, 30 min
 Environmetal Spec : MIL-STD-810 G

Standard Accessories

- Eyecup
- Carrying Case
- Transportation Case
- Objective Cover
- Optical Cleaning Kit

Optional Accessories

- Wireless Head-Up Display
- Solar Charger
- IR Pointer
- Laser Zeroing Device



ACAR-K

Surveillance Radar Series

Overview

ACAR-K Surveillance Radar Series is designed and developed for detecting, tracking and classifying targets moving on the ground at day and night in all weather conditions.

Technical Features

Operating Frequency : Ku-Band
 Adjustable Sector Width : 10° - 360°
 Antenna Elevation Tilt : +/- 24°

Antenna Rotation Speed : 4 rpm / 15 rpm
 Instrumented Range : 15 km / 40 km

Elevation Coverage (ACAR-K44) : 4°

(ACAR-K1015) : 10°

Compliance with MIL-STD-810G and MIL-STD-461F

General Features

- Advanced Digital Signal Processing (DSP) Techniques
- Ku-band Pulsed Doppler Radar with Pulse Compression
- Track-While-Scan (TWS) in Surveillance Mode
- Multi-target Tracking
- Automatic Track Classification
- Low Output Power for Low Probability of Intercept (LPI)
- B-Scope or PPI Display
- Digital Map Overlay
- Remote Control
- High Accuracy and Resolution
- 360° Continuous or Sector Scanning
- Selectable Range Scales
- User Defined Alarm and Friendly Zone Selection
- Built In Test (BITE)



NOVA A341/A361

Night Vision Weapon Sight

- 4X/6X MAGNIFICATION
- HIGH PERFORMANCE AT LOW LIGHT LEVELS
- GEN2+ / GEN3 HIGH PERFORMANCE IMAGE INTENSIFIER
- ERGONOMIC & RUGGED DESIGN
- COMPACT & LIGHTWEIGHT

Applications

- Night Shooting & Marksmanship
- Observation & Surveillance
- Rapid & Accurate Firing

Environmental Conditions

Operating Temperature

:-51°C/+51°C

Storage Temperature

: -51°C / +65°C

Water Resistant

: 1 m for 30 min.

Environmental Spec

: MIL-STD-810G

Main Features

- A341: 4X Magnification
- A361: 6X Magnification
- Adjustable Diopter
- Single AA Battery Operated
- Reticle and Reticle Adjustment Options
- Reticle Brightness Adjustment
- Mounting Adapters for Various Weapons
- STANAG 4694 (MIL-STD-1913) Compatible Weapon Adapter



Standard Accessories

- Eyecup
- Carrying Case
- Transportation Case
- Objective & Eyepiece Covers
- Optical Cleaning Kit

Optional Accessories

- Laser Pointer
- IR illuminator
- Mounting Adapter for Various Weapons





Technical Specifications	A341	A361
Magnification	4x	6x
Field of View	10°	6.3°
Eye Relief	25 mm	25 mm
Diopter Adjusment	6 /+2	-6 /+2
Reticle	Duplex/ Mil-Dot/Custom Design	Duplex/ Mil-Dot/Custom Design
Reticle Adjustment	1.5 cm @ 100 m	1cm @ 100 m
Battery	1xAA 1.5 VDC	1xAA 1.5 VDC
Weight (w/o battery & accessories)	1200 grams	1380 grams

AYA TS100

Multifunctional Thermal Monocular

Usage Areas

- Day/Night Surveillance
- Optimized for Multiple Usage Modes
- Handheld, Weapon Mounted and Helmet-Mounted Usability
- Situational Awareness
- Search and Rescue

Key Features

- Automatic Image Calibration
- High Resolution and Color OLED
- Different Color Palette Options
- Automatic Display Mode
- Diopter Adjustment
- Athermalized Fixed Focus
- User Friendly Fasy Menu
- Wi-Fi
- Internal Infrared Laser Pointer
- Compatible MIL-STD-810G
- Image and Video Recording
- Media Gallery

Technical Specifications

Detector : 320x240 12 μm Uncooled Micro-Bolometer

Field of View
 Electronic Magnification
 12.2° x 9.2° (±10%)
 Up to 4X (Continuous)

Screen : 1024 x 768 Resolution and Color OLED

Reticle : Laser Target Pointer

Diopter : -6/+2

■ IR Pointer : Internal 830 ±20 nm

Battery : 1 X Li-on Re-chargeable (Li-on 18500)

Continuous Operation Time : ≤ 4 hours

Dimensions : 160mm x 60mm x 60mm

Weight : ≤ 290 g

Standard Accessories

- Eye Cup
- Lens Cover
- Battery (18500 Li-on)
- Carrying Case
- Optical Cleaning Kit
- Battery Charger

Environmental Conditions

Operation Temperature : -20°C / +50°CStorage Temperature : -40°C / +65°C

• Immersion : 1m / 30 min.



Helmet Mount Adapter





Missile Launching System

HISAR Missile Launching System is a multi purpose missile launcher which uses short and medium range air defense missiles.

AIR DEFENSE OF STATIONARY/MOVING FORCES AND CRITICAL ASSETS
LAUNCHES SHORT RANGE MISSILES UNDER CONTROL OF KORKUT-FIRE CONTROL SYSTEM
LAUNCHES MEDIUM RANGE MISSILES UNDER CONTROL OF HISAR O+ AIR DEFENCE SYSTEM
HIGH MOBILITY

HISAR Missile Launching System is a multi purpose missile launcher which deploys and launches short and medium range HISAR Air Defense Missiles.

HISAR A+ Missile Launching System, configured as a short range air defense missile launcher, operates under control of KORKUT-Fire Control System which provides coordinated operation of 35 mm towed guns and Missile Launching System.

HISAR O+ Missile Launching System, configured as a medium range air defense missile launcher, is controlled by HISAR O+ Fire Control Center which supervises three launchers within an air defense battalion.

HISAR Missile Launching System is a state of the art technology and has open HW&SW architecture for utilizing future technology.



System Interception Range : 15 km (HISAR A+), 25 km (HISAR O+)

Ready-to-fire Missile : 6
Max Road Speed : 65km/h
Gradient : 60%
Side Slope : 30%

HISAR Missile Launching System are dedicated to air defense of Stationary/Moving Forces and critical assets against:

- Fighters
- Helicopters
- UAVs
- Cruise Missiles
- Air to Surface Missiles

Features

- Multi purpose missile launcher
- Multiple engagement and successive firing
- Data Link for midcourse guidance
- Operation in day, night and adverse weather conditions
- Global positioning system and navigation
- Remote control
- Mobility in tactic area
- Fast deployment and short startup-time
- Automatic leveling system
- Effective ILS and maintenance



DORUK

Hand-Held Electro-Optic Sensor

- HIGH RESOLUTION MID-WAVE SENSOR
- CONTINUOS ZOOM (IR AND DAY)
- INTEGRATED LRF, DMC AND GPS
- DATA AND IMAGE STORAGE
- MIL-STD-810G QUALIFIED
- COMBAT PROVEN DESIGN
- COMPACT AND RUGGED DESIGN

Applications

- Border Surveillance
- Reconnaissance
- Fire Support
- Situational Awareness
- Special Forces
- Law Enforcement

Main Features

- Polarity: Black-hot, White-hot, color palettes
- Motorized focus, FOV and zoom adjustment
- Automatic image optimization and image enhancement
- Real time calculation of target coordinates
- Target coordinate transmission via radio
- Data and image storage
- Easy battery change
- Shuttered eyecups
- Hight resolution OLED display

Optional Accessories

- Pirate Head Mounted Display
- Motorized Pan-Tilt
- Remote Control Unit
- 1.5x Magnifier Objective
- Goniometer
- Sun Shield



Standard Accessories

- Tripod with Manual Adjustment Unit
- External Video Cable
- Rechargeable Batteries
- Battery Charger
- External AC/DC Adapter
- Eyecup
- Lens Cover
- Optical Cleaning Kit
- Carrying Case
- Transportation Case

Technical Specifications

Thermal Imager

Sensor : 640x512 MWIR (3-5 μm)

Cool-down Time : <7 min.</p>

Field of View

WFOV : 16.8° x 13.5°
 MFOV : 6° x 4.8°
 NFOV : 2° x 1.6°
 Continuous from NFOV to WFOV
 E-Zoom : 2x

Laser Range Finder

Laser Type : Class 1, Eye Safe, 1.54 μm

Range : <20 kmAccuracy : 5m rms

Color TV

Sensor : 1920 x 1080 Full HD CMOS

Field of View

WFOV : 16.8° x 12.6°
 MFOV : 6° x 4.5°
 NFOV : 2° x 1.5°
 Continuous from NFOV to WFOV

E-Zoom : 12x

Digital Magnetic Compass

Accuracy : 1° rms

GPS

Accuracy : 15 rms

Physical

• Weight : ≤4.2 kg (with battery)

■ Battery Life : ≥4 hours

Dimensions : 275 mm x 270 mm x 125 mm

Environmental Conditions

Operationg Temperature : -32°C to +55°C
 Storage Temperature : -40°C to +65°C
 Environmental Spec : MIL-STD-810G

MEERKAT

Manpack Integrated Drone Dtetection & Jamming System

IHASAVAR Anti Drone Jammer Subsystem

- Providing protection against Drone/Mini-Micro UAV threats with manual active jamming with threat detection of MEERKAT Subsystem
- Jamming for Drone/Mini-Micro UAVs; remote control frequencies, GNSS frequencies (GPS L1, GLONASS L1, GALILEO E1 and BEIDOU B1) and data link/telemetry frequencies
- Software defined jammer
- Programming of more than 100 different jamming profiles
- Fully Programmable State-of-Art Digital Frequency Synthesizers
- Control and monitoring of the System by Remote Control Unit
- Operation Time: 1.5 hour from the Batteries
- Easy-to-use with user friendly interface
- Compact system architecture
- Built-in VSWR protection
- Built-in test feature
- MIL-STD-810 compliant



MEERKAT-Detection Subsystem

- Drone/Mini-Micro UAV and Remote Controller detection and identification supported by Threat Library
- Control opportunity from Android Based Devices (Mobile Phone, tablet)
- Easy to use with user friendly interface
- Real-time spectrum monitoring of all relevant drone frequency bands
- 360° detection with omni-directional antenna
- Usability in combination with the IHASAVAR system
- MIL-STD-810 compliant
- Operation Time: 1.5 hour





KANGAL TM

Drone - Mini/MIcro UAV & Rcied Jammer System









KANGAL™ Drone - Mini/Micro UAV & Reied Jammer System is designed to protect Convoys, VIP vehicles in motion against Radio Controlled Improvised Explosive Devices (RCIED) and protect military bases, facilities, high value assets, ceremony/meeting/demonstration areas and checkpoints against Drone - Mini/Micro UAVs.

KANGAL™ covers the whole Radio Frequency (RF) band and applies active jamming on RCIED triggering frequencies of Radios, Remote Control Devices, Mobile Phones (2G, 3G, 4G/LTE,Wifi) and frequency bands of Remote Control, GNSS (GPS/GLONASS/Galileo), Data Link and Image/Video Forwarding Modules of Drone - Mini/Micr UAVs simultaneously.

KANGAL™ uses omni-directional antennas and specially designed antenna patterns to create 360° protection to defeat ground threats such as roas-side RCIEDs and to form a semi-spherical protection umbrella to defeat even fleet attacks (multiple DRONE - Mini/Micro UAVs approaching from different directions).

KANGAL™ is operate for unlimited durations powered via vehicle alternator or an additional Alternator or for a limited time via system batteries.

KANGAL™ is a vehicle independent system being able to be installed on any type of vehicle (e.g. armored/unarmored SUVs, pickups and military trucks).

KANGAL™ is a Software Defined Jammer System and its programmability features provide the user with utmost customization flexibility to specific operational and tactical requirements. User defined "jamming profile" includes setting of numerous jammed frequency bands and output power levels for simultaneous jamming of multiple threats. New jamming waveforms can quickly and easily be added to the system to counter new threats and region specific threats. Dynamic Communication Channels can be programmed to provide friendly force communication during jamming.

Technical Specifications

- Application Type: Convoy Protection, VIP Vehicle Protection against RCEIDs, Static Infrastructure, Area/Zone Porotection against Drone - Mini/Micro UAVs.
 - Frequency Coverage: Whole Radio Frequency (RF) Band (Configures and prioritized according to user requirements).
 - Software Defined (Programmable) Jammer (Configurable according to Operatoinal and Tactical Requirements).
 - Jamming Type: DDS-Based FPGA-Controlled Swept Jamming.
 - Antenna Type: Omni-Directional Antennas
 - Antenna Pattern: Semi-spherical
 - RF Output Power: <450 Watt</p>
 - Power Source & Operation Time:
 - Continuous Operation via Vehicle Alternator
 - At least 1 hour via Batteries
 - Weight: <25kg (RF Jammer Unit)
 - Electric Field (SAR): Compatible with ICNIRP standards (Human Safe).
 - Other Environmental Conditions: Compatible with MIL-STD-810G/F Conditions (Humidity, Rain, Sand, Shock, Vibration).

MEERKAT IM

Integrated Drone detection & Jamming System

Meerkat™ Detection System

- Frequency Range: UHF and SHF (partial) (1)
- Antenna Type: Directional and Omni-Directional
- Drone/Mini-Micro UAV detection and identification (2)
- Fixed site configuration for the protection of critical facilities, borders, private and government facilities, airports, etc.
- Ability to work at night and all adverse weather conditions with its unique RF detection technology.
- Easy to use with user friendly interface.
- Spectrum monitoring of all relevant drone frequency bands.
- Ability to simultaneously detect multiple threats (swarms) from different sectors controlled at different frequencies.
- Direction/sector finding (DF) of drones by using the directional antenna set.
- 7/24 operation from the mains supply.
- Ability to be integrated with IHASAVAR™ Anti-Drone RF Jammer System in a co-operative manner.

(1) SHF partial; you can contact us for more information.
(2) Identification feature is supported only for threats that

MIL-STD-810 compliant.

are listed in our Threat Libraray.

Providing protection against Drone/Mini-Micro UAV threats with automatic or manual active jamming with threat.

IHASAVAR™ Anti Drone

- with automatic or manual active jamming with threat detection of MEERKAT Subsystem.
- Jamming for Drone/Mini-Micro UAVs; remote control frequencies, GNSS frequencies (GPS L1, GLONASS L1, GALILEO E1 and BEIDOU B1) and data link/telemetry frequencies.
- Software defined jammer.
- Programming of more than 100 different jamming profiles.
- Fully Programmable State-of-Art Digital Frequency Synthesizers.
- Control and monitoring of the System with a Laptop.
- Protection of military bases, facilities with Omni-Directional Antennas.
- 7/24 operation from the mains supply.
- Easy-to-use with user friendly interface.
- Compact system architecture.
- Built-in VSWR protection.
 - Built-in test feature.
 - High efficiency multi-band power amplifiers.
 - MIL-STD-810 compliant.







HTAR

Anti-Drone System

Anti-Drone System, aims to neutralize mini and micro UAV threats in urban and rural environments. It is used for protection of critical facilities, prevention of illegal border infiltration and safety of highly populated events.

General Specs

- Detecting and tracking multiple UAVs with high accuracy using portable radar
- Low false alarm rate
- Recognizing the threats from a distance using
- TV/Thermal cameras
- Automatic video tracking Directional jamming capability for specific threats
- Omni directional jamming capability for swarm attacks
- Ability to switch to preloaded jamming frequency groups
- Software programmable jamming frequencies
- Requires minimum operator intervention
- Built-in-Test (BIT) capabilities
- Operating in all-weather conditions for 7/24
- Customizable with its open and modular architecture
- Compatible with military standards
- Easy to include other means of sensors (acoustic drone detection system, direction finding (DF) system) and effectors (Unmanned air vehicle (UAV) hard kill system, Laser defense system)
- Compatible to work with TAFICS infrastructure

ACAR Radar System

- Ku-band Pulsed Doppler Radar with Pulse Compression
- Track-While-Scan (TWS) mode
- Multi-target tracking, Automatic target tracking
- 360° Continuous or Sector Scanning,
- 30 rpm rotation speed
- Automatic Target Classification
- 40° instantaneous elevation coverage Adjustable Sector Width

GERGEDAN RF Countermeasure System

- Programmable RF Jammer System
- Active jamming of RFEYP trigger frequencies of radios, remote controls, mobile phones (2G, 3G, 4.5G/LTE, WI-FI) and GNSS, remote control, data/image/video transmission frequencies of Drones/Mini-Micro-UAVs in the entire radio frequency band.
 - rol,
- Protection against swarm threats with codirectional antenna set
- Type of antennas: with directional/co-directional antenna, antennas hidden inside the roof rack.

GÜNGÖR/DÖRTGÖZ Electro-Optic Systems

- The third-generation thermal imaging system DÖRTGÖZ developed for long distance surveillance and reconnaissance, can perform many tasks such as border surveillance, tactical reconnaissance, coast guard, facility security, long distance surveillance under all weather conditions day and night.
- GÜNGÖR HD is a family of high-definition daytime cameras; used for long-range surveillance and reconnaissance, fixed and mobile security applications, situational awareness, air defense applications and security units.





Command and Control System

- Centralized Command & Control capabilities with integrated GIS, alarm zones, filtering etc.
- Air picture generation
- Decision support algorithms
- Sensor fusion and auto-tracking
- Threat evaluation and effector allocation algorithms
- Centralized command & control of all sensors and effectors
- Integration of new sensors and systems with open architecture feature







DRNES





extended-range loitering munitions

FPV 10 represents the next generation of extended-range loitering munitions that provides military security and special forces with an effective small footprint tool to make discreet targeted attacks with accuracy and effectiveness.

Easy to carry, this system meets multiple fuze options to meet any mission requirements.





extended-range loitering munitions



















Controller & Components

The operator uses virtual reality FPV Goggles, which allows for compete immersion.



Propeller repair

10x4.5x3 propellers Glass fiber reinforced nylon



Tailored for the RPG-7

All PG ammunition types

BL 10 FPV DRone was specially designed for the RPG-7 combat projectile.

It is capable of carrying and triggering the explosion of any type of PG ammunition [PG-7V/VL/VM OG TBG]



Performance in Combat

BL 10 FPV Drone is field-tested acress multiple countries and has demonstrated exceptional performance in real combat scenarios.



Equiped with a state-of-the-art thermal camera, the BL 10 FPV Drone excels in both day and night operations, offering unparalleled versatility and reliability.



Camera

The main distinctive features and competitive advantages of our complex is the use of thermal imager.

Targeting using camera

- * Sensor: starlight sensor 1/1.8 inch
- * Horizontal resolution: 1200TVL
- * Horizontal field of view: 165° Lens 2.1 mm lens
- * Video format: NTSC and PAL
- * Image ratio: 4:3 and 16:9 Wide dynamics: Super
- * WDR Low illumination: 0.0001 LUX
- *Video output: CVBS





Video Transmission

- * Steady output power
- * 4 power levels up to 1600 mW
- * 40 channels (including Raceband)
- *Rapid frequency lock, no interference with other pilots.
- * Established self-assessment function of exit forces.
- * IRC Tramp video transmitter telemetry.

Technical Specifications

Weight	8256
Frame	XL 10 V6 with 452 mm wheelbase
Flight Control	BUTZ ATF 435 Flight Controller
Esc	BUTZ E65S 4-in-1 2-65 55A ESC
Video transmission	BUTZ Whoop 1 2G 1.6W VTX BUTZ Whoop 1.6W VTX BUTZ Whoop 2.5W VTX
Receiver	TBS CROSSFIRE NANO (SE) 868/915
Load capacity	up to 5kg
Flight time	up to 10 min
Range	up to 15 km
Speed	up to 140 km/h
Altitude	up to 6000 m
FC	F405 + ESC: 60A
Antenas	Long Range Kit
Camera	RaceCam R1 Mini
Engine	900KV / Xing-E 3314
Propeller	HQprop 10°4.5°3
Receiver	ELRS 915
Battery	8000 mAh
Remote Controller	RADIOMASTER BOXER
VTX	1.3 G 950 MTW/5.86 2.5W
Maximum wind resistance level	Level 7
Operating temperature	-10° + 50° C

- · Video receiver frequency: 1080 1360 mHz
- · Frequency of the control signal transmitter: 915 mHz



- · Horizontal signal angle: 60 degrees
- · Vertical signal angle: 20 degrees



Ground station is designed to remotely control kamikaze drone outside the operator's line of view at a distance of up to 20 km (the parameter depends on the complexity of the terrain and the presence/absence of radio signal interference).



FPV Goggles

The operator uses virtual reality FPV Goggles, which allows for complete immersion.



Remote Control

Control is carried out by a standard remote control, which makes it possible to easily train pilots.

Data transmission is carried out over a secure channel.



Charger

The included charger allows you to charge the included batteries multiple times.

Model	Cobra X
Screen	LCD
Resolution	1280x720
FOV (Diagonal)	50°
Aspect Ration	4:3/16:9
Receiver	5.8 Ghz 48 CH SteadyView Receiver
Language	10 Language
Power Supply	1 Cell 18650/DC 6.5-25.2 V/USB 5 V
Power Consumption	12V 0.63A 5V 1.5A
DVR	H264, 30fps MOV 6Mbps, SD up to 128Gb
Head Tracker	3-axis Accelerometer, 3 axis gyroscope
Dimensions	122765700 mm
Weight	332g



* The product has its own power source, which guarantees it efficiency and power functioning when hitting the target from any perspective, including when the drone structure is destroyed by a target or obstacle.

*The product is designed to work with standart electric detonator.



*The product has a power switch, the lever of which is inscribed in the outline of the case, which prevents it from being turned on or off accidentally.

Detonation is carried out using standard electronic detonator.



Electronic explosion

Initialization Board

Our unique development is an electronic explosion initialization board that allows the detonation of ammunition.



Full size	Wingspan	3.368m
	Length	1.85m
Weight parameters	Maximum take-off weight	34kg
30.80.10.00.00.00	Maximum load	10kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (8L)	
Maximum flight time	6h	
Cruising speed	22m/s	
Stall speed	14m/s	
Maximum flight altitude	5000m	
Maximum wind resistance	Level 5	
Data link	50km	



Full size	Wingspan	6.97m
	Length	3.5m
Weight parameters	Maximum take-off weight	180kg
	Maximum load	40kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (60L)	
Maximum flight time	6h	
Cruising speed	35m/s	
Stall speed	26m/s	
Maximum flight altitude	4000m	
Maximum wind resistance	Level 6	
Data link	50km	





Full size	Wingspan	6.97m
	Length	3.5m
Weight parameters	Maximum take-off weight	180kg
Treight parameters	Maximum load	40kg
Flight mode	Manual flight, automatic route flight	
Fuel tank volume	Gasoline engine (60L)	
Maximum flight time	6h	
Cruising speed	35m/s	
Stall speed	26m/s	
Maximum flight altitude	4000m	
Maximum wind resistance	Level 6	
Data link	50km	



Full size	Wingspan	Front wings 1.48m、rear wings 1.3m
	Length	1.45m
Weight parameters	Maximum take-off weight	11kg
Weight parameters	Maximum load	3kg
Flight mode	Manual flight, autonomous route flight	
Туре	electric	
Maximum flight time	1.2h	
Cruising speed	32m/s	
Stall speed	22m/s	
Maximum flight altitude	3500m	
Maximum wind resistance	Level 6	
	1. Weight: 700g	
Seeker	2. Visible camera:1920x1080@60fps 3. Thermal camera: 640x512@60fps	
J.C.R.C.I		
	4.Power: Battery	





Full size	Wingspan	Front wings 1.75m, rear wings 1.4m
	Length	1.45m
Weight parameters	Maximum take-off weight	21.5kg
Weight parameters	Maximum load	7.5kg
Flight mode	Manual flight, autonomous route flight	
Туре	electric	
Maximum flight time	1h	
Cruising speed	36m/s	
Stall speed	25m/s	
Maximum flight altitude	3000m	
Maximum wind resistance	Level 6	
	1. Weight: 700g	
Seeker	2. Visible camera:1920x1080@60fps	
	3. Thermal camera: 640x512@60fps	
	4.Power: Battery	



Sustaining Global Defence Productions





Localization

To safeguard our nation and its interests by employing cutting-edge technology, strategic planning, and the dedication of our personnel. We envision a future where our citizens and allies can thrive in a secure and stable environment, free from threats to their safety and sovereignty. Our agency will be at the forefront of innovation,



Developing and implementing strategies to counter terrorist threats, including domestic and international terrorism.





Developing comprehensive security strategies and plans to address potential threats and vulnerabilities. This includes risk assessments, scenario planning, and resource allocation.

Our Services

Providing professional security services worldwide.

Security devices Equipements

various types of security equipment and devices designed to protect people, property, and assets from threats, theft, vandalism, and unauthorized access.

Private military contractors

Alfa provides expert bodyguard protection. Our agents are well-trained and attentive.

Expertise in tactical training

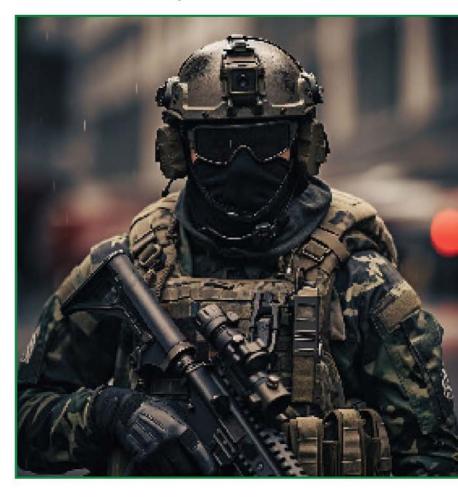
This type of training is designed to equip security personnel with the knowledge, skills, and mindset required to effectively respond to a wide range of security threats and situations.

Travelling Bodyguards

High-profile individuals must take extra care and precaution during their travels.

Cyber Security

The protection of internet-connected systems such as hardware, software and data from cyberthreats.







Employee Screening

Help your company work smoother with safety regulations & stay safe.

Security Services solutions & consultancy

Alfa Defense promises superior security solutions in what the industry requires.



Selling Tactical equipments for law enforcement

Tactical Supply Solutions is proud to be a partner in the vital work of our nation's law enforcement agencies. We work tirelessly to provide the tools and equipment needed for those who put their lives on the line daily to protect our communities.

Our dedication to quality, reliability, and innovation is unwavering, ensuring that our clients are equipped to face any challenge they encounter in the line of duty.







Sustaining Global Defence Productions







