ROKETSAN

PRODUCT CATALOGUE

LAND SYSTEMS

TAYFUN MISSILE 07

KHAN MISSILE 09

TRG-300 MISSILE 11

TRG-230 MISSILE 13

TRLG-230 MISSILE 15

TRG-122 MISSILE 17

TRLG-122 MISSILE 19

MBRL MULTI BARREL ROCKET LAUNCHER SYSTEM 21

ARTILLERY ROCKETS 23

T-107/122 MULTI BARREL ROCKET LAUNCHER SYSTEM 25

PARACHUTE TR-122 ROCKET 27

KARA ATMACA SURFACE TO SURFACE CRUISE MISSILE WEAPON SYSTEM 29

UMTAS LONG RANGE ANTI-TANK MISSILE SYSTEM 31

L-UMTAS LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM 33

LUMTAS-GM LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM 35

OMTAS MEDIUM-RANGE ANTI-TANK WEAPON SYSTEM 37

L-OMTAS LASER GUIDED MEDIUM RANGE ANTI-TANK WEAPON SYSTEM 39

KARAOK PORTABLE ANTI-TANK WEAPON SYSTEM 41

TANOK 120 MM LASER GUIDED TANK CANNON MUNITIONS 43

CİRİT LASER-GUIDED MISSILE 45

METE LASER GUIDED MINI MISSILE SYSTEM 47

PUSU WEAPON SYSTEM 49

KMC-U TACTICAL MISSILE WEAPON SYSTEM 51

LG-155 155 MM LASER GUIDED ARTILLERY MUNITION 53

MDK 105/155 MM RANGE CORRECTION KIT 55

AIR SYSTEMS

SOM STAND-OFF MISSILE 59

SOM-J STAND-OFF MISSILE 61

GÖKBORA BEYOND VISUAL RANGE AIR TO AIR MISSILE 63

TEBER WING ASSISTED GUIDANCE KIT 65

TEBER PRECISION GUIDANCE KIT 67

ELÇİN LASER GUIDANCE KIT 69

LAÇİN GUIDANCE KIT 71

UAV-230 AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE 73

UAV-122 AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE 75

MAM-T SMART MUNITION 77

MAM-T IIR SMART MUNITION 79

MAM-L SMART MICRO MUNITION 81

MAM-L IIR SMART MICRO MUNITION 83

MAM-C SMART MICRO MUNITION 85

ALPAGUT SMART LOITERING MUNITION SYSTEM 87

EREN HIGH SPEED MULTI-PURPOSE LOITERING MUNITION 89

NAVAL SYSTEMS

ATMACA ANTI-SHIP MISSILE 93

AKATA ENCAPSULATED ATMACA 95

ÇAKIR CRUISE MISSILE 97

BARBAROS COASTAL DEFENCE SYSTEM 99

AKYA NEXT-GENERATION HEAVYWEIGHT TORPEDO 101

ORKA NEXT-GENERATION LIGHTWEIGHT TORPEDO 103

TEMREN LONG-RANGE ANTI-TANK MISSILE SYSTEM 105

ASW ANTI-SUBMARINE WARFARE ROCKET AND LAUNCHER SYSTEM 107

AIR DEFENCE SYSTEMS

SİPER LONG-RANGE AIR AND MISSILE DEFENCE SYSTEM 111

HİSAR AIR DEFENCE MISSILES 113

MİDLAS NATIONAL VERTICAL LAUNCHER SYSTEM 115

LEVENT CLOSE IN WEAPON SYSTEM 117

SUNGUR AIR DEFENCE MISSILE SYSTEM 119

BURÇ AIR DEFENCE MISSILE SYSTEM 121

ALKA NETWORK ENABLED WEAPON 123

BALLISTIC PROTECTION SYSTEMS

127

NAVIGATION SYSTEMS

131

ROKETSAN

LAND SYSTEMS

TAYFUN MISSILE

KHAN MISSILE

TRG-300 MISSILE

TRG-230 MISSILE

TRLG-230 MISSILE

TRG-122 MISSILE

TRLG-122 MISSILE

MBRL MULTI BARREL ROCKET LAUNCHER SYSTEM

ARTILLERY ROCKETS

T-107/122 MULTI BARREL ROCKET LAUNCHER SYSTEM

PARACHUTE TR-122 ROCKET

KARA ATMACA SURFACE TO SURFACE CRUISE MISSILE WEAPON SYSTEM

UMTAS LONG RANGE ANTI-TANK MISSILE SYSTEM

L-UMTAS LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM

LUMTAS-GM LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM GM

OMTAS MEDIUM-RANGE ANTI-TANK WEAPON SYSTEM

L-OMTAS LASER GUIDED MEDIUM RANGE ANTI-TANK WEAPON SYSTEM

KARAOK PORTABLE ANTI-TANK WEAPON SYSTEM

TANOK 120 MM LASER GUIDED TANK CANNON MUNITIONS

CİRİT LASER-GUIDED MISSILE

METE LASER GUIDED MINI MISSILE SYSTEM

PUSU WEAPON SYSTEM

KMC-U TACTICAL MISSILE WEAPON SYSTEM

LG-155 155 MM LASER GUIDED ARTILLERY MUNITION

MDK 105/155 MM RANGE CORRECTION KIT





LAND SYSTEMS

TAYFUN
MISSILE



TECHNICAL SPECIFICATIONS

RANGE	280+ KM
LENGTH	6.5 M
DIAMETER	610 MM
WEIGHT	2300 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS)
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	TAYFUN WEAPON SYSTEM
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

AIR DEFENCE MISSILE SYSTEMS, SOFT ARMORED AND NON-ARMORED WEAPON SYSTEMS, COMMAND AND CONTROL CENTERS, MILITARY AIRCRAFT HANGARS, CRITICAL MILITARY FACILITIES, STRATEGIC OBJECTIVES

TAYFUN

The TAYFUN Missile System offers high levels of reliability and strike power against deep targets. Its hypersonic cruise speed is unaffected by air defence systems, while collateral damage is reduced through its high accuracy. In addition to its inherent logistical convenience and operational flexibility, including a short firing readiness time and the ability to rapidly shift the firepower, the system is also highly resistant to electronic warfare interference and global positioning system jamming, while its low environmental sensitivity allows TAYFUN to operate in all weather conditions, day or night.



LAND SYSTEMS

KHAN
MISSILE



TECHNICAL SPECIFICATIONS

RANGE	280 KM
LENGTH	7.1 M
DIAMETER	610 MM
WEIGHT	2500 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS)
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	KHAN WEAPON SYSTEM
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE
ARTILLERY AND AIR DEFENCE SYSTEMS, RADAR EMPLACEMENTS COMMAND AND CONTROL & COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS, HIGH ACCURACY DETECTION ESTABLISHED TARGETS

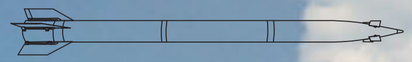
KHAN

KHAN provides accurate and effective firepower against strategic targets on the battlefield when integrated with an 8x8 Multi-Barrel Rocket Launcher (MBRL), although it can also be launched from other tactical wheeled vehicle platforms with compatible interfaces, depending on the customer's requirements.

LAND SYSTEMS

TRG-300

MISSILE



TECHNICAL SPECIFICATIONS

RANGE	BLOK 1A: 120 KM BLOK 2: 90 KM
LENGTH	BLOK 1A: 5.3 M BLOK 2: 5.6 M
DIAMETER	300 MM
WEIGHT	BLOK 1A: 585 KG BLOK 2: 660 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS)
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM (MBRL), LANDING SHIPS TANK (LST)
ACCURACY	10 M (CEP)

ANTI-JAMMING CAPABILITY

TARGET TYPE

COMMAND AND COMMUNICATION CENTERS, LOGISTICS FACILITIES, TRANSPORTATION INFRASTRUCTURE, GROUND TARGETS AND COLLECTIVE PERSONNEL TARGETS

TRG-300

The highly accurate and destructive TRG-300 missile provides intense and effective firepower against high-priority targets at ranges of 20–120 km, with the ability to reach even the most remote targets in less than 5 minutes and rapidly neutralise critical threats. The Electronic Warfare resistance of the TRG-300 has been verified by intense global positioning system jamming tests, while its high accuracy reduces the potential for collateral damage. User feedback from many countries that have added the TRG-300 to their inventories includes reports of high mission success rates, as well as the logistical convenience of the system in being transported and stored in an insulated pod ready for firing.



LAND SYSTEMS

TRG-230

MISSILE

TECHNICAL SPECIFICATIONS

RANGE	70 KM
LENGTH	3.4 M
DIAMETER	230 MM
WEIGHT	215 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS),
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM, UNMANNED NAVAL VESSELS
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEMS, RADAR EMPLACEMENTS, COMMAND AND CONTROL & COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS, HIGH ACCURACY DETECTION ESTABLISHED TARGETS

TRG-230

TRG-230 missiles are effective against strategic targets at ranges of 20–70 km, bringing high accuracy and destructive power to the battlefield. The missiles can be easily integrated into the existing weapon systems in the inventories of armies, and have made a mark with their mission success, cost-effectiveness, electronic warfare resistance and easy deployment against targets of opportunity.

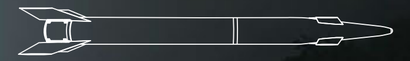


LAND SYSTEMS

TRLG-230

MISSILE





TECHNICAL SPECIFICATIONS

RANGE	70 KM
LENGTH	3.4 M
DIAMETER	230 MM
WEIGHT	215 KG
GUIDANCE	GLOBAL NAVIGATION SATELLITE SYSTEM, AIDED INERTIAL NAVIGATION, TERMINAL GUIDANCE WITH LASER DESIGNATION
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM, UNMANNED NAVAL VESSELS
ACCURACY	2 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEMS, RADAR EMPLACEMENTS, COMMAND, CONTROL AND COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS

TRLG-230

The optional use of laser seeker heads on TRG-230 missiles facilitates the neutralisation of point targets while avoiding civilian damage by marking the target from the ground or air. Depending on the weather conditions and the characteristics of the target, assets marked with a laser from a distance can be neutralised by TRLG-230 missiles integrated with a Laser Seeker, launched from an artillery battery or unmanned aerial vehicle. After being directed to the target area using inertial guidance methods, the laser seeker directs the missile to the target with pin-point accuracy in the terminal phase.



LAND SYSTEMS

TRG-122
MISSILE



TECHNICAL SPECIFICATIONS

RANGE	35 KM
LENGTH	3.3 M
DIAMETER	122 MM
WEIGHT	78 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS),
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM, UNMANNED NAVAL VESSELS
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

FIXED GROUND TARGETS, COLLECTIVE PERSONNEL TARGETS, OPPORTUNITY TARGETS

TRG-122

TRG-122 missiles can be fired from the 122 mm Multi-Barrel Rocket Launcher Systems in the inventories of many countries, and are effective against targets in the range of 10–35 km. TRG-122 missiles are appropriate for operational areas with a large civilian presence, preventing collateral damage through their high hit accuracy.



LAND SYSTEMS

TRLG-122

MISSILE

TECHNICAL SPECIFICATIONS

RANGE	35 KM
LENGTH	3.3 M
DIAMETER	122 MM
WEIGHT	78 KG
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS), TERMINAL GUIDANCE WITH LASER DESIGNATION
WAR HEAD	HIGH EXPLOSIVE, FRAGMENTATION (STELL BALL)
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM
ACCURACY	2 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEMS, RADAR SITES, COMMAND, CONTROL AND COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS, OTHER HIGH PRIORITY TARGETS

TRLG-122

The utilisation of the optional laser seeker head on TRG-122 missiles allows the target to be hit and neutralised with pin-point accuracy after being marked from the ground or air. The missile is directed to the target area using inertial guidance methods, after which, the laser seeker directs the missile to the target with pin-point accuracy.



TECHNICAL SPECIFICATIONS

SALVO INTERVAL	0,5 - 30 SEC.
DIAMETER	122 MM, 230 MM, 300 MM AND 610 MM
AIMING	AUTOMATIC, MANUAL (BACK-UP)
NUMBER OF ROUNDS	**2 X 20** TR / TRB-122, **2 X 12** TRG / TRLG-122, **2 X 6** TRG / TRLG-230 **2 X 2** TRG-300 **2 X 1** KHAN
PLATFORMS	MULTIPLE LAUNCH ROCKET SYSTEM

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEMS, RADAR EMPLACEMENTS, COMMAND, CONTROL AND COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS, HIGHLY ACCURATE TARGETS

LAND SYSTEMS

MBRL

MULTI BARREL ROCKET LAUNCHER

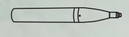
MBRL

The Multi-Barrel Rocket Launcher System MBRL promises the delivery of precise firepower against critical targets at ranges of 10 km to 280 km. It is a highly manoeuvrable fire support system that can fire TR-122 & TRB-122 Unguided Rockets, and TRG-122, TRLG-122, TRG-230, TRLG-230, TRG-300 and KHAN Missiles. An MRLS battery comprises a Command & Control Vehicle, Launching Vehicles, an Ammunition Re-Supply Vehicle and a Maintenance & Repair Vehicle, as well as any other mission vehicles deemed necessary.



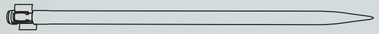
LAND SYSTEMS

ARTILLERY
ROCKETS



TR-107 ROCKET

RANGE	11 KM (950-1050 ASL*)
DIAMETER	107 MM
WEIGHT	20 KG
WAR HEAD	HIGH EXPLOSIVE
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM (MBRL)



TR-122 ROCKET

RANGE	40 KM (950-1050 ASL*)
DIAMETER	122 MM
WEIGHT	66 KG
WAR HEAD	HIGH EXPLOSIVE
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM (MBRL)

POD

The pod, provides easy load & fire capability to Launcher, and rocket can be stored and transported in it. A Sealed Pod contains 20 pcs. ready to fire rockets / 12 pcs. guided rockets

- Protection against Adverse Weather and Environmental Conditions
- Extended Shelf Life
- Easy Transportation
- Fast and Easy Loading and Unloading
- Quick Reaction Time
- Maintenance Free
- Built-In Test Capability

TRB-122 ROCKET

RANGE	40 KM (950-1050 ASL*)
DIAMETER	122 MM
WEIGHT	66 KG
WAR HEAD	HIGH EXPLOSIVE FRAGMENTATION (PRESHAPED FRAGMENTS)
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM (MBRL)

*ASL: Above Sea Level

ARTILLERY ROCKETS

TR-107 and TR-122 Artillery Rockets provide the necessary continuous fire support for the destruction, neutralisation or suppression of enemy assets in all kinds of operations, day or night. While the TR-107 offers a superior range to that of its competitors, the TR-122 and TRB-122 rockets can be fired from a wide range of Multi-Barrel Rocket Launcher Systems, and boast high product quality, high reliability and low environmental sensitivity. The 107 mm and 122 mm rockets are available in podded configurations, with 20 rockets in a single pod, allowing operational flexibility, rapid deployment and rapid shifting of firepower support.



TECHNICAL SPECIFICATIONS

SALVO INTERVAL	0.5 - 2 SEC.
DIAMETER	107-122 MM
NUMBER OF TUBES	3X20 TR-107, 1X20 TR-122,TRB-122, 2X12 TRG-122, TRLG122
PLATFORMS	TACTICAL WHEELED VEHICLE

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEM RADARS, COMMAND, CONTROL AND COMMUNICATION SYSTEMS, LOGISTICS FACILITIES, ASSEMBLY AREAS

LAND SYSTEMS

T-107/122

MULTI-BARREL ROCKET LAUNCHER SYSTEM

T-107/122

The T-107/122 Multi-Barrel Rocket Launcher (MBRL) System facilitates the delivery of concentrated and effective fire support to manoeuvring forces against high-priority targets in all weather and terrain conditions, day or night. A T-107/122 MBRL Battery is able to carry out missions independently with its mission support vehicles. A T-107/122 Battery comprises 1 x C-107/122 Command & Control Vehicle, 6 x T-107/122 Launchers, 6 x L-107/122 Ammunition Re-Supply Vehicles and 1 x R-107/122 Maintenance and Repair Vehicle, although the number and type of vehicles can be customised according to the customer's requirements.



LAND SYSTEMS

PARACHUTE
TR-122 ROCKET

TECHNICAL SPECIFICATIONS

RANGE	36 KM
LENGTH	3 M
DIAMETER	122 MM
WEIGHT	70 KG
PAYLOAD	JAMMER WARHEAD AND RECONNAISSANCE WARHEAD TYPES
PLATFORMS	MULTI-BARREL ROCKET LAUNCHER WEAPON SYSTEM (MBRL)

PARACHUTE TR-122

The Parachute TR-122 mm rocket, aside from the parachute, is equipped with a signal jammer, camera head or other special equipment instead of the conventional warhead. When a certain altitude is reached close to the target, the front part of the rocket separates from the engine section, and the payload is carried to the ground by the parachute.

Once in position on the ground, the jammer payload version jams electronic equipment and global positioning system signals in the target area for a predetermined period, while the camera payload version takes photos/ videos of the target and transmits them to the launch site.

LAND SYSTEMS

KARA ATMACA

SURFACE-TO-SURFACE CRUISE MISSILE WEAPON SYSTEM





TECHNICAL SPECIFICATIONS

RANGE	280 KM
LENGTH	6.1 M
DIAMETER	370 MM
WEIGHT	910 KG
GUIDANCE	TERMINAL GUIDANCE; IMAGING INFRARED SEEKER MID-GUIDANCE; INTERTIAL NAVIGATION SYSTEM ANTI-JAM GLOBAL NAVIGATION SATELLITE SYSTEMS TERRAIN REFERENCED NAVIGATION SYSTEM BAROMETRIC ALTIMETER - RADAR ALTIMETER
WAR HEAD	PIERCING HIGH EXPLOSIVE, BLAST FRAGMENTATION TERMOBARIC WARHEAD
PLATFORMS	TACTICAL WHEELED VEHICLE AND TRACKED LAND PLATFORMS
TARGET TYPE	FIXED GROUND BASED TARGETS, ATTACK CAPABILITY AGAINST FIXED COORDINATES

KARA ATMACA

The Kara Atmaca Weapon System is a cruise missile that can be launched from tactical wheeled vehicle which is effective against fixed ground base targets.



TECHNICAL SPECIFICATIONS

RANGE	8 KM
LENGTH	1.8 M
WEIGHT	37.5 KG
DIAMETER	160 MM
GUIDANCE	IIR IMAGING INFRARED SEEKER, RF DATALINK
WARHEAD	TANDEM ANTI TANK, HIGH EXPLOSIVE BLAST FRAGMENTATION, TERMOBARIC
PLATFORMS	UAVs, FIXED AND ROTARY WING AIR PLATFORMS, TACTICAL WHEEL AND TRACKED LAND PLATFORMS , NAVAL PLATFORMS

TARGET TYPE

TANKS
ARMORED VECIHLES
STATIONARY AND MOVING TARGETS
COMBATS VECIHLES
CONCRETE BLOCKHOUSES

LAND SYSTEMS

UMTAS

LONG RANGE ANTI-TANK MISSILE SYSTEM

UMTAS

Long-Range Anti-Tank Missile System (UMTAS) has fire-and-update flight modes that permit lock-on before or after launch through the RF data link between the launcher and the missile. Its precision guidance and control capability, together with its tandem armour piercing warhead, make UMTAS an effective weapon system against armoured targets. Its Imaging Infrared Seeker permits day and night use, and in all adverse weather conditions.



TECHNICAL SPECIFICATIONS

RANGE	8 KM
LENGTH	1.8 M
WEIGHT	37.5 KG
DIAMETER	160 MM
GUIDANCE	SEMI-ACTIVE LASER SEEKER
WARHEAD	TANDEM ANTI TANK, HIGH EXPLOSIVE BLAST FRAGMENTATION, TERMOBARIC
PLATFORMS	UAVs, FIXED AND ROTARY WING AIR PLATFORMS, TACTICAL WHEEL AND TRACKED LAND PLATFORMS, NAVAL PLATFORMS,

TARGET TYPE

TANKS, ARMORED VECIHLES, STATIONARY AND MOVING TARGETS, COMBATS VEHICLES, CONCRETE BLOCKHOUSES

LAND SYSTEMS

L-UMTAS

LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM



L-UMTAS

Laser Guided Long Range Anti-Tank Missile System (L-UMTAS) can be used from air and ground platforms against main battle tanks, concrete bunkers, armored and unarmored vehicles and personnel. The laser guidance and tandem armour-piercing warhead features of L-UMTAS ensure its effectivity against both static and mobile targets. The missile can lock onto the target before or after launch.

LAND SYSTEMS

LUMTAS-GM

LASER GUIDED LONG RANGE ANTI-TANK MISSILE SYSTEM



TECHNICAL SPECIFICATIONS

RANGE	15 KM (LAND PLATFORMS)
	20 KM (AIR PLATFORMS)
LENGTH	1.8 M
DIAMETER	160 MM
WEIGHT	42.5 KG
GUIDANCE	SEMI-ACTIVE LASER SEEKER
WAR HEAD	TANDEM ANTI-TANK
	HIGH EXPLOSIVE BLAST FRAGMENTATION
PLATFORMS	FIXED AND ROTARY WING AIR PLATFORMS
	TACTICAL WHEEL AND TRACKED LAND PLATFORMS
	NAVAL PLATFORMS

TARGET TYPE
TANKS, ARMORED VECIHLES, STATIONARY AND MOVING TARGETS, COMBATS VEHICLES, CONCRETE BLOCKHOUSES

LUMTAS-GM

LUMTAS-GM can provide effectiveness against targets beyond the line of sight without approaching enemy and being noticed. This feature provides the advantage of laying an ambush against the enemy, both in defence and attack. With this property, the system can be used behind a mask. L/UMTAS-GM has two configurations: infrared seeker with image processing (IIR) and a semi-active laser seeker (SAL).

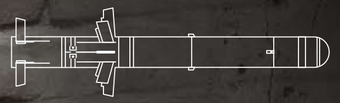
LUMTAS-GM can be launched day or night from attack helicopters, naval platforms and land vehicles, and depending on its warhead type; it can be used against main battle tanks, armored personnel carriers, trucks, all-terrain vehicles, light pillboxes, trenches, buildings, and low-altitude hovering helicopters.

LAND SYSTEMS

OMTAS

MEDIUM-RANGE ANTI-TANK WEAPON SYSTEM





TECHNICAL SPECIFICATIONS

RANGE	4 KM
LENGTH	1.8 M
DIAMETER	160 MM
WEIGHT	35 KG
GUIDANCE	IIR IMAGING INFRA-RED, RF DATA LINK
WAR HEAD	TANDEM ANTI-TANK, HIGH EXPLOSIVE BLAST FRAGMENTATION, THERMOBARIC
PLATFORMS	TRIPOD, LAND VEHICLES

TARGET TYPE

TANKS,
ARMORED VECIHLES,
STATIONARY AND MOVING TARGETS,
COMBATS VEHICLES,
CONCRETE BLOCKHOUSES

OMTAS

OMTAS is a medium-range anti-tank weapon system that is effective against armoured threats on the battlefield. Its Imaging Infrared Seeker permits day and night use, and in all adverse weather conditions. The RF data link between the launcher and the missile provides the user with operational flexibility. The missile can be used in fire-and-forget or fire-and-update modes, and offers both lock-on before launch or lock-on after launch capabilities. With its precision guidance capability and its armour-piercing tandem warhead, OMTAS ensures effective strikes against armoured threats.



TECHNICAL SPECIFICATIONS

RANGE	5.5 KM
LENGTH	1.75 M
DIAMETER	160 MM
WEIGHT	32 KG
GUIDANCE	SEMI-ACTIVE LASER SEEKER
WAR HEAD	TANDEM ANTI TANK HIGH EXPLOSIVE BLAST FRAGMENTATION, THERMOBARIC
PLATFORMS	TRIPOD, LAND VEHICLES

TARGET TYPE

TANKS,
ARMORED VECIHLES,
STATIONARY AND MOVING TARGETS,
COMBATS VEHICLES,
CONCRETE BLOCKHOUSES

L-OMTAS

Laser guided L-OMTAS is a medium-range anti-tank weapon system that is effective against armoured threats on the battlefield.

The missile can lock onto the target before or after launch and effective against static and mobile targets. L-OMTAS can be fired from its tripod and can also be integrated into land platforms with open or closed turrets.

LAND SYSTEMS

L-OMTAS

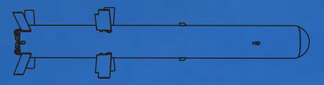
LASER GUIDED MEDIUM-RANGE ANTI-TANK WEAPON SYSTEM

LAND SYSTEMS

KARAOK

PORTABLE ANTI-TANK WEAPON SYSTEM





TECHNICAL SPECIFICATIONS

RANGE	2.5 KM
LENGTH	1.17 M
DIAMETER	125 MM
WEIGHT	25 KG
GUIDANCE	IIR IMAGING INFRARED SEEKER
WAR HEAD	TANDEM ANTI-TANK
PLATFORMS	SHOULDER-FIRED, LAND VEHICLES

TARGET TYPE

TANKS
ARMORED VECIHLES
STATIONARY AND MOVING TARGETS
COMBATS VEHICLES
CONCRETE BLOCKHOUSES

KARAOK

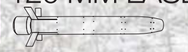
Man Portable Short-Range Fire-and-Forget Anti-Tank Guided Missile KARAOK is a portable system that is effective at both day and night due to its Imaging Infrared Seeker.

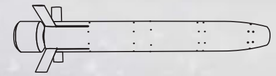


LAND SYSTEMS

TANOK

120 MM LASER GUIDED TANK CANNON MUNITIONS





TECHNICAL SPECIFICATIONS

RANGE	6 KM
LENGTH	1 M
DIAMETER	120 MM
WEIGHT	11 KG
GUIDANCE	SEMI-ACTIVE LASER SEEKER
WAR HEAD	TANDEM ANTI-TANK
PLATFORMS	TANKS, UNMANNED GROUND VEHICLES UNMANNED AIR VEHICLES

TARGET TYPE

TANKS
ARMORED VECIHLES
STATIONARY AND MOVING TARGETS
COMBATS VEHICLES
CONCRETE BLOCKHOUSES

TANOK

TANOK 120 mm Laser Guided Tank Cannon Munition has been developed as an innovative alternative to the conventional munitions used in tanks and other artillery guns, and provides accurate and cost-effective firepower on the battlefield.

TANOK Missile satisfies the need of the Turkish Armed Forces for laser-guided anti-tank artillery ammunition. Its low weight and soft launch engine, which ensures the safety of the user, the missile can be fired from both land and portable platforms.





TECHNICAL SPECIFICATIONS

RANGE	8 KM
LENGTH	1.9 M
WEIGHT	15 KG
DIAMETER	70 MM
GUIDANCE	SEMI-ACTIVE LASER SEEKER
WARHEAD	HIGH EXPLOSIVE, MULTI PURPOSE, TERMOBARIC

PLATFORMS

UAVs, FIXED AND ROTARY WING AIR PLATFORMS, TACTICAL WHEELED AND TRACKED LAND PLATFORMS, NAVAL PLATFORMS

TARGET TYPE

STATIONARY AND MOBILE TARGETS, LIGHT ARMORED VEHICLES, PERSONNEL

LAND SYSTEMS

CiRiT

LASER-GUIDED MISSILE

CiRiT

CİRİT, 2.75” Laser Guided Missile, is a field proven, highly accurate and cost effective solution against light armored/ unarmored stationary and moving targets. CİRİT is a Next Generation AUR missile, not a guidance kit, designed to fill the gap between 2.75” unguided rockets and guided anti-tank missiles. CİRİT has been integrated to various platforms such as helicopters, fixed-wing aircrafts, unmanned aerial & naval vehicles, land platforms.



LAND SYSTEMS

METE

LASER GUIDED MINI MISSILE SYSTEM



TECHNICAL SPECIFICATIONS

RANGE	475 M (LAND PLATFORM) 2 KM (AIR PLATFORM)
LENGTH	0.5 M
DIAMETER	40 MM
WEIGHT	1.3 KG
GUIDANCE	SEMI-ACTIVE LASER
WAR HEAD	HIGH EXPLOSIVE - FRAGMENTATION (STEEL BALL)
PLATFORMS	TRIPOD, QUADROCOPTER, UNMANNED MINI HELICOPTER, UNMANNED GROUND VEHICLES, ROBOTIC DOG

TARGET TYPE
ANTI PERSONNEL,
LIGHT ARMORED VEHICLES

METE

Laser Guided Mini Missile System is an innovative weapon system that is used in both hybrid and conventional operations; can be launched from manned or unmanned platforms and enables effective destruction power against stationary targets and personnel with superiority of range and precision capability.



LAND SYSTEMS

PUSU
WEAPON SYSTEM

TECHNICAL SPECIFICATIONS

PRIMARY ARMAMENT	4 CİRİT MISSILES
RANGE	8 KM
GUIDANCE SYSTEM	LASER-GUIDED TURRET MOVEMENT CAPABILITY 270° IN AZIMUTH, TURRET MOVEMENT CAPABILITY -10° / +30° IN ELEVATION, HIGH MANEUVERABILITY AND MOBILITY,

TARGET TYPE

TANKS, LIGHT ARMORED VEHICLES, STATIONARY AND MOBILE TARGETS, ARMOURED PERSONNEL CARRIERS

PUSU

PUSU is an effective weapon system, providing maximum mobility on and off the road, having a turret system that can be easily controlled from inside the vehicle. The system has high precision and destructive power with its Laser Guided Missile, CİRİT.

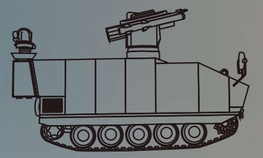
PUSU Weapon System capable of carrying 4 CİRİT on the turret and also storing spare 4 ammunitions on the top of the pickup. High Reconnaissance, Surveillance and Target Tracking Capability, STANAG 3733 compliant Autonomous Laser Designation, ISR (Intelligence, Surveillance and Reconnaissance) Day / Night Operation Capability with Full HD IR, TV, Gunner Console, MIL-STD-1760 Compatibility, Cost-effective solution with high hit probability and high mobility in battlefield.



LAND SYSTEMS

KMC-U

TACTICAL MISSILE WEAPON SYSTEM



TECHNICAL SPECIFICATIONS

PRIMARY ARMAMENTS	UMTAS, CİRİT, L-UMTAS, L / UMTAS-GM
RANGE	8 KM (FOR UMTAS, CİRİT, L-UMTAS)
	15 KM (FOR L / UMTAS-GM)
AUXILIARY ARMAMENT	7.62 MM MACHINE GUN
SYSTEM	360° STABILIZED TURRET,
	HIGH MANEUVERABILITY AND MOBILITY,
	FIRE ON-THE-MOVE,
	EO/IR SENSOR SUITE,
	DAY & NIGHT CAPABILITY,
PLATFORMS	TACTICAL WHEELED AND TRACKED LAND VEHICLES,
	ARMED UNMANNED SURFACE VESSEL

KMC-U

TARGET TYPE

TANKS, LIGHT ARMOURED VEHICLES, STATIONARY AND MOVING TARGETS, ARMOURED PERSONNEL CARRIERS

KMC-U is capable of both standing and moving with its high mobility, 360° rotation feature and stabilized turret system that can be controlled from inside the vehicle. The system has high precision and destructive power with its IIR and Laser Guided missiles.

KMC-U Weapon System;
Capable of carrying 4 UMTAS / LUMTAS or 8 CİRİT or 2 UMTAS / LUMTAS and 4 CİRİT missiles or 4 LUMTAS-GM. High Reconnaissance, Surveillance and Target Tracking Capability, STANAG 3733 compliant Autonomous Laser Marking, ISR (Intelligence, Surveillance and Reconnaissance) Day / Night Operation Capability with Full HD IR, TV and SWIR Video, Gunner & Commander Console, MIL-STD-1760 Compatibility, MIL-STD-810 Compatibility, In-Vehicle Spare Ammunition Storage areas, having Advanced Fire Control System with Commander and Gunner Independent Display and control panel.



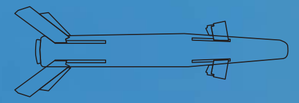


LAND SYSTEMS

LG-155

155 MM LASER GUIDED ARTILLERY MUNITION





TECHNICAL SPECIFICATIONS

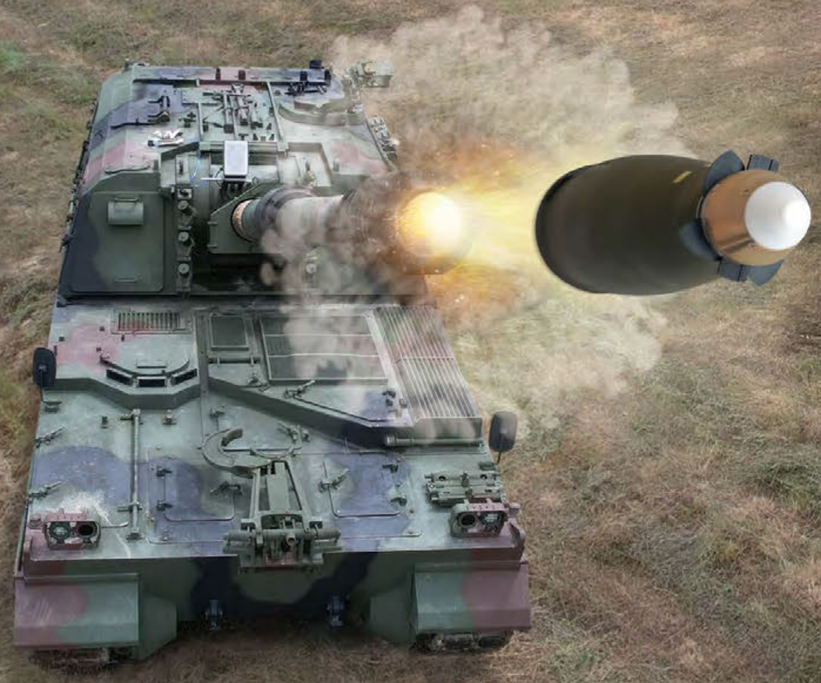
RANGE	25 KM
LENGTH	1.2 M
DIAMETER	155 MM
WEIGHT	50 KG
GUIDANCE	INERTIAL AIDED MID-COURSE GUIDANCE LASER GUIDED TERMINAL PHASE
WAR HEAD	22 KG HIGH EXPLOSIVE
ACCURACY	5 M (CEP)
PLATFORMS	SUITABLE FOR USE ON ALL NATO JBMoU STANDARD 155 MM HOWITZERS

TARGET TYPE

ARTILLERY AND AIR DEFENCE SYSTEM, RADARS SITES, COMMAND CONTROL AND COMMUNICATION SYSTEMS, LOGISTIC FACILITIES, ASSEMBLY AREAS, OTHER HIGH PRIORITY TARGETS

LG-155

Artillery munitions are exposed to extremely harsh conditions due to the nature of the systems in which they operate. High pressure, severe shock loads, and thermal shock significantly challenge both structural integrity and mission performance. Developed to meet these demanding requirements, LG-155 is Türkiye’s first domestically produced Laser-Guided Smart 155 mm Artillery Munition. Designed to deliver high accuracy and reliability even under the most severe environmental conditions, LG-155 provides an effective solution for modern battlefield requirements. The LG-155 munition is equipped with an integrated laser seeker head. Upon entering the terminal phase, the munition detects the laser-designated target, autonomously guides itself, and achieves pinpoint accuracy. Its independent navigation system ensures resistance to GNSS jamming, allowing sustained operational effectiveness in electronic warfare environments.
With its high precision, intelligent guidance capability, and robust design, LG-155 significantly enhances the firepower, effectiveness, and reliability of artillery units.

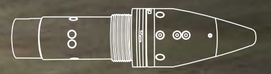


LAND SYSTEMS

MDK

155 MM RANGE CORRECTION KIT





TECHNICAL SPECIFICATIONS

LENGTH	250 MM
DIAMETER	62 MM
WEIGHT	1.7 KG
PROBABLE ERROR	50 M (INDEPENDENT OF RANGE)
ON FRONT SAFETY DISTANCE	65 M
COMPATIBLE MUNITIONS	COMPLAINT WITH MIL-STD-333 OR STANAG 29216 155 mm (LONG INTRUSION)
PLATFORMS	SUITABLE FOR USE ON ALL STANDARD 155MM HOWITZERS (FIRTINA, PANTER esc.)

MDK

The 155 mm-Howitzer Ammunition Range Correction Kit (MDK) is a guidance kit with multiple fuze modes (impact, delayed impact, time and proximity) that are used in place of the standard fuzes used for unguided artillery ammunition, reducing the dispersion to ±50 m in range. The established secured data link infrastructure allows multiple munitions to be tracked simultaneously in the air and issued with guidance commands. The MDK system does not require any specialised personnel, but provides a 5-fold increase in effectiveness over unguided munitions. The system can operate independently from the global positioning system and features protection measures against such electronic warfare tools as electronic deception and jamming.

ROKETSAN

AIR SYSTEMS

SOM STAND-OFF MISSILE

SOM-J STAND-OFF MISSILE

GÖKBORA BEYOND VISUAL RANGE AIR TO AIR MISSILE

TEBER WING ASSISTED GUIDANCE KIT

TEBER PRECISION GUIDANCE KIT

ELÇİN LASER GUIDANCE KIT

LAÇİN GUIDANCE KIT

UAV-230 AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE

UAV-122 AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE

MAM-T SMART MUNITION

MAM-T IIR SMART MUNITION

MAM-L SMART MICRO MUNITION

MAM-L IIR SMART MICRO MUNITION

MAM-C SMART MICRO MUNITION

ALPAGUT SMART LOITERING MUNITION SYSTEM

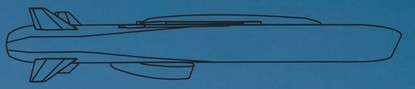
EREN HIGH SPEED MULTI-PURPOSE LOITERING MUNITION











TECHNICAL SPECIFICATIONS

RANGE	250 KM
LENGTH	4 M
WEIGHT	600 KG

GUIDANCE

SOM-A:
IMAGING INFRARED (IIR) SEEKER,
INERTIAL NAVIGATION SYSTEM,
ANTI-JAM GLOBAL POSITIONING SYSTEM,
TERRAIN REFERENCED NAVIGATION

SOM-B1 / B2:
IMAGING INFRARED (IIR) SEEKER,
NEW-NETWORK ENABLED WEAPON-WARFARE BASED DATALINK,
INERTIAL NAVIGATION SYSTEM,
ANTI-JAM GLOBAL POSITIONING SYSTEM,
TERRAIN REFERENCED NAVIGATION,
AUTOMATIC TARGET ACQUISITION

WARHEAD

SOM-A / B1:	230 KG - HIGH EXPLOSIVE FRAGMENTATION
SOM-B2:	230 KG - TANDEM PENETRATOR
PLATFORMS	FIGHTER, JETS, UAVs

TARGET TYPE
FIXED GROUND BASED TARGETS
SURFACE TARGETS, STRATEGIC ASSETS,
C2 CENTERS, SHELTERS ,SAM SITES,
EXPOSED AIRCRAFTS, SHIPS

AIR SYSTEMS

SOM
STAND-OFF MISSILE



SOM

Stand-Off Missile (SOM) is an air-to-surface cruise missile fired from beyond the range of air defence systems, and is suited for use against heavily defended land or naval targets deep in the battlefield.





TECHNICAL SPECIFICATIONS

RANGE	200 KM
LENGTH	3.9 M
WEIGHT	540 KG

GUIDANCE

IMAGING INFRARED (IIR) SEEKER,

NEW-NETWORK ENABLED WEAPON-WARFARE BASED DATALINK,

INERTIAL NAVIGATION SYSTEM,

ANTI-JAM GLOBAL POSITIONING SYSTEM,

TERRAIN RELATIVE NAVIGATION,

AUTOMATIC TARGET ACQUISITION

WARHEAD	140 KG - HIGH EXPLOSIVE BLAST FRAGMENTATION, SEMI-ARMOUR PIERCING
PLATFORMS	FIGHTER JETS, UAVs

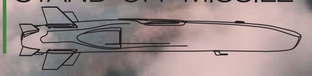
TARGET TYPE

FIXED GROUND BASED TARGETS,
SURFACE TARGETS,
SHIPS, STRATEGIC ASSETS,
SHELTERS, SAM SITES

AIR SYSTEMS

SOM-J

STAND-OFF MISSILE



SOM-J

SOM-J is an air-to-surface munition that has been developed for use against heavily defended land and naval targets, and that is mounted internal weapon bay/below the wing.

The missile’s modular design supports the operational flexibility of the missile. Built based on the existing SOM technologies that are already in service with the Turkish Air Force, SOM-J today provides enhanced capabilities. The long-range SOM-J is a cost-effective solution due to its reduced observability, among its other capabilities.





AIR SYSTEMS

GÖKBORA

BEYOND VISUAL RANGE AIR TO AIR MISSILE





TECHNICAL SPECIFICATIONS

RANGE	185.2 KM
LENGTH	3.75 M
DIAMETER	180 MM

GUIDANCE

MIDCOURSE GUIDANCE:
INERTIAL NAVIGATION AND DATA LINK

TERMINAL GUIDANCE:
AESA (ACTIVE ELECTRONICALLY SCANNED ARRAY) SEEKER AND OPTIMIZED GUIDANCE ALGORITHMS

WARHEAD	HIGH EXPLOSIVE FRAGMENTATION
PLATFORMS	UNCREWED COMBAT AERIAL VEHICLES (UCAV), 4TH AND 5TH GENERATION FIGHTERS

TARGET TYPE

FIGHTERS, AWACS,
TANKER/CARGO AIRCRAFTS,
UNCREWED AIR VEHİCLES,
CRUISE MISSILES

GÖKBORA

GÖKBORA is a long-range Beyond Visual Range (BVR) air-to-air missile system featuring radar seeker, a ramjet propulsion system, and an advanced electronic countermeasure (ECCM) capabilities. GÖKBORA is designed for integration with multiple manned / unmanned air platforms and is compatible with both external and internal weapon stations. GÖKBORA is capable of engaging fighter jets, AWACS, tanker/cargo aircrafts, uncrewed air vehicles (UAVs), and cruise missiles.



TECHNICAL SPECIFICATIONS (TEBER-82)

RANGE	50 KM (UAVs) 80 KM (JETS)
LENGTH	2.7 M
WING SPAN	1675 MM
WEIGHT	285 KG

GUIDANCE
INERTIAL NAVIGATION SYSTEM,
GLOBAL NAVIGATION SATELLITE SYSTEM,
SEMI ACTIVE LASER SEEKER

WARHEAD	MK SERIES GENERAL PURPOSE BOMBS
PLATFORMS	FIGHTER JETs, LIGHT ATTACH AIRCRAFTs, UAVs

TARGET TYPE

STATIONARY AND MOBILE TARGETS,
MILITARY BUILDINGS,
LIGHT ARMORED VEHICLES
BLOCKHOUSES

TEBER WING ASSISTED

TEBER Wing Assisted Guidance Kit is a high-precision guidance kit integrated into the MK series General Purpose Bombs to increase their long range and strike capability. The TEBER Wing Assisted Guidance Kit can be used against targets on the ground via fighter jets and UAVs by transforming General Purpose Bombs into a smart weapon system using Inertial Measurement Unit (IMU), jamming-resistant Global Positioning System (GPS) and semi-active Laser Seeker Heads (LAB). It brings high precision strike capability against moving targets as well as fixed targets.

AIR SYSTEMS

TEBER

WING ASSISTED GUIDANCE KIT (TEBER-82)





AIR SYSTEMS

TEBER

PRECISION GUIDANCE KIT



TECHNICAL SPECIFICATIONS

		MK-81	MK-82	MK-83	MK-84
RANGE	**JETs:**	28 KM	28 KM	28 KM	28 KM
	UAVs:	13 KM	13-25* KM	16 KM	16 KM
LENGTH		2.3 M	2.7 M	3.2 M	4.2 M
WEIGHT		150 KG	260 KG	470 KG	920 KG

(*) Increased range with a fixed wing extension for UAV use

WING SPAN	820 MM (PGK-FIXED-WING)
GUIDANCE	INERTIAL NAVIGATION SYSTEM GLOBAL NAVIGATION SATELLITE SYSTEM SEMI ACTIVE LASER SEEKER
WARHEAD	MK SERIES GENERAL PURPOSE BOMBS
PLATFORMS	FIGHTER JETs, LIGHT ATTACH AIRCRAFTS, UAVs

TARGET TYPE

STATIONARY AND MOBILE TARGETS,
MILITARY BUILDINGS,
LIGHT ARMORED VEHICLES
BLOCKHOUSES

TEBER

TEBER Precision Guidance Kit is a high-precision guidance kit integrated to increase the range and strike capability of MK series General Purpose Bombs. It can be used in day/night conditions against all fixed ground/surface targets (Industrial Facilities, Buildings of Operational/Logistic Importance, Hangars, etc.) and moving targets with an angular velocity of 10°/sec and/or a linear velocity of up to 50 km/h.

By transforming General Purpose Bombs into a smart weapon system using Inertial Measurement Unit (IMU), jamming-resistant Global Positioning System (GPS) and semi-active Laser Seeker (LAB), it can be used against targets on the ground via fighter jets and UAVs. The range can be increased with a fixed wing attachment for UAV use.

AIR SYSTEMS

ELÇİN

LASER GUIDANCE KIT











TECHNICAL SPECIFICATIONS

		MK-81	MK-82	MK-83	MK-84
RANGE	**JETs:**	30 KM	30 KM	28 KM	28 KM
	UAVs:	16 KM	13-25* KM	16 KM	16 KM
LENGTH		2.3 M	2.7 M	3.2 M	4.2 M
WEIGHT		150 KG	260 KG	470 KG	920 KG

(*) fixed wing extension

WING SPAN	820 MM (LGK-FIXED WING)
GUIDANCE	INERTIAL NAVIGATION SYSTEM, SEMI ACTIVE LASER SEEKER
WARHEAD	MK SERIES GENERAL PURPOSE BOMBS
PLATFORMS	FIGHTER JETs, LIGHT ATTACH AIRCRAFTS, UAVs

TARGET TYPE

STATIONARY AND MOBILE TARGETS,
MILITARY BUILDINGS,
LIGHT ARMORED VEHICLES,
BLOCKHOUSES

ELÇİN

ELÇİN Laser Guidance Kit is a high precision and low cost guidance kit integrated to increase the range and strike capability of MK series General Purpose Bombs. It can be used in day/night conditions against all fixed ground/surface targets (Industrial Facilities, Buildings of Operational/ Logistic Importance, Hangars, etc.) and moving targets with an angular velocity of 10°/sec and/ or a linear velocity of up to 50 km/h at medium and high altitudes and beyond line of sight.

By transforming General Purpose Bombs into a smart weapon system using Inertial Measurement Unit (IMU) and new generation semi-active Laser Seeker (LAB), it can be used against targets on the ground via fighter jets and UAVs. The range can be increased with a fixed wing attachment for UAV use.

AIR SYSTEMS

LAÇiN

GUIDANCE KIT





TECHNICAL SPECIFICATIONS

RANGE	UAVs: 50 KM
	JETs: 80 KM
LENGTH	2.8 M
WEIGHT	285 KG
WING SPAN	1675 MM

GUIDANCE

INERTIAL NAVIGATION SYSTEM
GLOBAL NAVIGATION SATELLITE SYSTEM
IMAGING INFRARED SEEKER
TACTICAL RF DATALINK UNIT

WARHEAD	MK-82 GENERAL PURPOSE BOMBS
PLATFORMS	FIGHTER JETS
	LIGHT ATTACH AIRCRAFTs
	UAVs

TARGET TYPE

STATIONARY AND MOBILE TARGETS,
CAVES,
MILITARY BUILDINGS,
BLOCHOUSES,
LIGHT ARMORED VEHICLES

LAÇiN

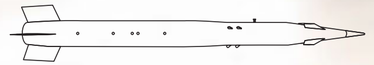
LAÇİN is a smart guidance kit that can be used against fixed and moving targets to increase long range and strike capability with an imaging infrared seeker and tactical data link. LAÇİN, which the pilot can use in the loop as “man-in-the-loop”, utilizes an Inertial Measurement Unit (IMU) and jamming-resistant Global Positioning System (GPS) in addition to the Imaging Infrared Seeker Head, making it a smart weapon system.

AIR SYSTEMS

UAV-230

AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE





TECHNICAL SPECIFICATIONS

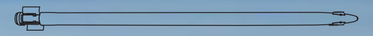
RANGE	150 KM
LENGTH	3.4 M
WEIGHT	230 KG
DIAMETER	230 MM
GUIDANCE	GO-ONTO-LOCATION IN-SPACE (GOLIS), TERMINAL GUIDANCE WITH LASER DESIGNATION (Optional)
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	UNMANNED AERIAL VEHICLES,
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

TARGET TYPE

FIXED GROUND TARGETS,
COLLECTIVE PERSONNEL TARGETS,
OPPORTUNITY TARGETS

UAV-230

The integration of TRG-230 missiles into Unmanned Aerial Vehicles has increased their maximum range to 150 km, allowing the user to carry out critical missions without needing to penetrate deep into enemy positions. The target can thus be engaged while avoiding enemy air defence threats in terms of Psychological Warfare elements. This has increased the frequency of operational use of the UAV-230 missile.



TECHNICAL SPECIFICATIONS

RANGE	65 KM
LENGTH	3.3 M
WEIGHT	80 KG
DIAMETER	122 MM
GUIDANCE	(BLOCK-1) GO-ONTO-LOCATION IN-SPACE (GOLIS), (BLOCK-2) LASER GUIDANCE
WAR HEAD	PRESHAPED FRAGMENTATION
PLATFORMS	UNMANNED AERIAL VEHICLES
ACCURACY	10 M (CEP)
ANTI-JAMMING CAPABILITY	

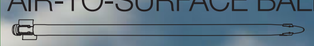
TARGET TYPE

FIXED GROUND TARGETS,
COLLECTIVE PERSONNEL TARGETS,
OPPORTUNITY TARGETS

AIR SYSTEMS

UAV-122

AIR-TO-SURFACE BALLISTIC SUPERSONIC MISSILE



UAV-122

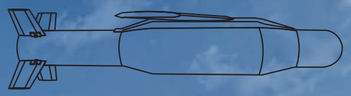
TRG-122 missiles fired from Unmanned Aerial Vehicles can reach ranges of 65 km, allowing critical missions to be successfully carried out without exposure to enemy threats.



AIR SYSTEMS

MAM-T
SMART MUNITION





TECHNICAL SPECIFICATIONS

GUIDANCE	LASER GUIDANCE 30 KM* 25.000 ft, 100 knot
	INS / GPS / LASER GUIDANCE 65 KM* 40.000 ft, 200 knot
LENGTH	1.4 M
WEIGHT	95 KG
DIAMETER	230 MM
GUIDANCE	INERTIAL NAVIGATION SYSTEM,
	GLOBAL NAVIGATION SATELLITE SYSTEM,
	SEMI ACTIVE LASER SEEKER
WARHEAD	BLAST FRAGMENTATION, THERMOBARIC
PLATFORMS	UAVs, LIGHT ATTACK AIRCRAFTs

TARGET TYPE

PERSONNEL,

SOFT TARGETS IN CONFINED AREAS,

RADAR ANTENNA ETC. GROUND TARGETS,

ARMORED VEHICLES

MAM-T

The MAM-T smart munition is a derivative of air-to-ground (against sea or land targets) smart munitions with high destructive power and has been developed for the critical missions of unmanned aerial vehicles (UAVs) and light attack aircraft. MAM-T can be used with alternative warheads against fixed and moving targets and has high accuracy and effectiveness.

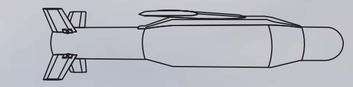
In line with the changing operational conditions, MAM-T munition has the option of GPS configuration with proximity sensor. In this way, activation can be carried out at the desired height, as well as the ability to fire at the desired coordinates without laser designation.

**Above 15 km range, remote laser designation is needed*

AIR SYSTEMS

MAM-T IIR
SMART MUNITION





TECHNICAL SPECIFICATIONS

RANGE	65 KM 40.000 ft, 200 knot
LENGTH	1.4 M
WEIGHT	96 KG
DIAMETER	230 MM
GUIDANCE	INERTIAL NAVIGATION SYSTEM GLOBAL NAVIGATION SATELLITE SYSTEM IMAGING INFRARED SEEKER (IIR) TACTICAL RF DATALINK UNIT
WARHEAD	BLAST FRAGMENTATION, THERMOBARIC
PLATFORMS	UAVs, LIGHT ATTACK AIRCRAFTs

TARGET TYPE

PERSONNEL, SOFT TARGETS IN CONFINED AREAS, RADAR ANTENNA ETC. GROUND TARGETS, ARMORED VEHICLES

MAM-T IIR

MAM-T IIR munition is an Imaging Infrared (IIR) guided air-to-surface munition system that can be integrated into Unmanned Aerial Vehicles (UAVs) and fixed wing platforms.

With its fixed/folding wing structures and new improved seeker, it increases the user's capability even in harsh environmental conditions and offers the user operational capability in a wider range basing on its man-in-the-loop operational concept. In addition to the nearly doubled range, it also incorporates trajectory selection features according to environmental conditions and target type.

AIR SYSTEMS

MAM-L

SMART MICRO MUNITION





TECHNICAL SPECIFICATIONS

RANGE	15 KM 20.000 ft, 100 knot
LENGTH	0.95 M
WEIGHT	23 KG
DIAMETER	160 MM
GUIDANCE	INERTIAL NAVIGATION SYSTEM SEMI-ACTIVE LASER SEEKER
WARHEAD	BLAST FRAGMENTATION ANTI-TANK THERMOBARIC MULTI-PURPOSE WARHEAD (BLAST FRAGMENTATION & ANTI-TANK)
PLATFORMS	LIGHT ATTACK AIRCRAFTs UAVs

TARGET TYPE

PERSONNAL, MAIN BATTLE TANKS, SOFT TARGETS IN CONFINED AREAS, RADAR ANTENNA ETC. GROUND, TARGETS, ARMORED VEHICLES

MAM-L

The MAM-L Mini Smart Munition is a lightweight, semi-active laser-guided munition that can be used as a gliding air-to-ground (against sea or land targets), effective against a wide range of targets with different warhead types, and capable of hitting fixed and moving targets with high precision. The MAM-L munition has a multi-shot feature and an optional Approach Sensor/GPS configuration in line with changing operational conditions. In this way, activation can be carried out at the desired height, as well as the ability to fire at the desired coordinates.

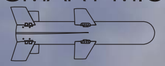


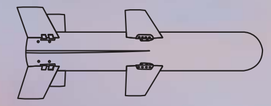


AIR SYSTEMS

MAM-L IIR

SMART MICRO MUNITION





TECHNICAL SPECIFICATIONS

RANGE	40 KM 40.000 ft, 200 knot
LENGTH	0.95 M
WEIGHT	23 KG
DIAMETER	160 MM
GUIDANCE	INERTIAL NAVIGATION SYSTEM IMAGING INFRARED SEEKER (IIR) TACTICAL RF DATALINK UNIT
WARHEAD	MULTI-PURPOSE WARHEAD (BLAST FRAGMENTATION & ANTI-TANK)
PLATFORMS	LIGHT ATTACK AIRCRAFTs, UAVs

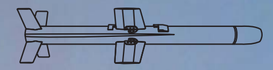
TARGET TYPE

PERSONNEL, MAIN BATTLE TANKS, RADAR ANTENNA ETC. GROUND TARGETS, ARMORED VEHICLES

MAM-L IIR

MAM-L IIR munition is an Imaging Infrared (IIR) guided, air-to-surface, multi-purpose warhead system that can be integrated into Unmanned Aerial Vehicles (UAVs) and fixed wing platforms.

In addition to the nearly doubled range, it also incorporates trajectory selection features according to different environmental conditions and target type basing on the “man-in-the-loop”



TECHNICAL SPECIFICATIONS

RANGE	8 KM
LENGTH	0.9 M
WEIGHT	6.5 KG
DIAMETER	70 MM
GUIDANCE	INERTIAL MEASUREMENT UNIT, SEMI-ACTIVE LASER SEEKER
WARHEAD	MULTI-PURPOSE WARHEAD (BLAST FRAGMENTATION & ANTI-TANK)
PLATFORMS	LIGHT ATTACK AIRCRAFTs, UAVs

TARGET TYPE

UNARMOURED / LIGHT ARMOURED VEHICLES, PERSONNEL

MAM-C

The MAM-C smart munition is a lightweight, semi-active laser-guided weapon system that can be used against personnel, vehicles and other surface targets in open areas. With its precision guidance capability, it can hit the target precisely, while its lightweight warhead ensures effectiveness on target and prevents unwanted collateral damage outside the target.

MAM-C ensures operational effectiveness with different warhead options, especially in operations where weight and cost are critical. It has high precision strike capability against moving and stationary targets.

AIR SYSTEMS

MAM-C

SMART MICRO MUNITION





TECHNICAL SPECIFICATIONS

RANGE	60 KM - 60 MN
LENGTH	2.6 M
WEIGHT	60 KG
WINGSPAN	3 M
GUIDANCE	INERTIAL NAVIGATION SYSTEM
	EO / IMAGING INFRARED SEEKER (IIR)
	GLOBAL NAVIGATION SATELLITE SYSTEM
WARHEAD	MULTI PURPOSE (ANTI TANK and BLAST FRAGMENTATION)
	BLAST FRAGMENTATION
	ANTI TANK
	THERMOBARIC
PLATFORMS	UAVs

TARGET TYPE

MOBILE AND STATIONARY ENEMY AIR DEFENCE ELEMENTS RADAR OR COMMUNICATION ELEMENTS COMMAND CENTRES LIGHT ARMORED GROUND VEHICLES

AIR SYSTEMS

ALPAGUT

SMART LOITERING MUNITION SYSTEM



ALPAGUT

ALPAGUT, which can operated day or night, is effective against mobile or stationary land and sea targets, radar and communication systems, critical facilities, personnel and targets of opportunity. ALPAGUT can be used in single or swarm configurations with an operational radius of 60 kilometers, an operational time more than 60 minutes and different types of warheads. Once fired or released, the system will enter into target detection, tracking and evaluation mode, hovering in the air and the onboard TV/IIR seeker feeds the real time video image to the operator. ALPAGUT then attacks the identified target after obtaining user approval from the ground autonomously.

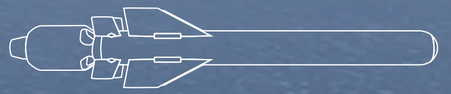


AIR SYSTEMS

EREN

HIGH SPEED MULTI-PURPOSE LOITERING MUNITION





TECHNICAL SPECIFICATIONS

RANGE	60 KM - 60 DK
LENGTH	2.6 M
WEIGHT	60 KG
GUIDANCE	INERTIAL NAVIGATION SYSTEM
	IMAGING INFRARED SEEKER (IIR)
	GLOBAL NAVIGATION SATELLITE SYSTEM
WARHEAD	HIGH EXPLOSIVE BLAST
	FRAGMENTATION
PLATFORMS	ROTARY/FIXED WING AIRCRAFTS (UAVs/ HELICOPTERS), LAND VEHICLES, GROUND-BASED PLATFORM, NAVAL VESSELS

TARGET TYPE

LOW-SPEED AERIAL VEHICLES, LIGHTLY ARMORED/UNARMORED LAND TARGETS, INFANTRY

EREN

EREN is a high speed, multi-purpose, and cost-effective loitering munition system developed to enhance the effectiveness of UAV's and ground based units. It provides day-and-night effectiveness against low-speed aerial threats as well as fixed or mobile land and surface-sea targets. It can autonomously perform target detection, identification and engagement, and offers the user flexible operational capability with mission abort and re-engagement functions.

ROKETSAN

NAVAL SYSTEMS

ATMACA ANTI-SHIP MISSILE

AKATA ENCAPSULATED ATMACA

ÇAKIR CRUISE MISSILE

BARBAROS COASTAL DEFENCE SYSTEM

AKYA NEXT-GENERATION HEAVYWEIGHT TORPEDO

ORKA NEXT-GENERATION LIGHTWEIGHT TORPEDO

TEMREN LONG-RANGE ANTI-TANK MISSILE SYSTEM

ASW ANTI-SUBMARINE WARFARE ROCKET AND LAUNCHER SYSTEM



NAVAL SYSTEMS

ATMACA

ANTI-SHIP MISSILE





TECHNICAL SPECIFICATIONS

RANGE	250 KM
LENGTH	5.2 M
WEIGHT	750 KG
DIAMETER	370 MM

GUIDANCE
TERMINAL GUIDANCE;
RADAR SEEKER,
IMAGING INFRARED SEEKER (IIR)

MID-GUIDANCE;
INERTIAL NAVIGATION SYSTEM,
ANTI-JAM GLOBAL NAVIGATION SATELLITE SYSTEMS,
BAROMETRIC ALTIMETER RADAR ALTIMETER - RADAR ALTIMETER

WARHEAD	220 KG - HIGH EXPLOSIVE, BLAST FRAGMENTATION, EFFECTIVE PENETRATION

PLATFORMS
NAVAL PLATFORMS, SUBMARINE PLATFORMS,5th GEN FIGHTER JET, TACTIAL WHEELED LAND PLATFORMS,FIXED LAUNCHER

TARGET TYPE
MOVING/FIX MARITIME SYSTEMS,
FIXED GROUND BASED TARGETS,
ATTACK CAPABILITY AGAINST FIXED COORDINATES

ATMACA

ATMACA is a cruise missile with a range of 250km, low radar cross-section and high accuracy, which can be integrated into surface ships, submarines, air platforms, fixed launchers and tactical wheeled vehicles. With advanced navigation systems, the target set consists of moving surface ships and fixed land targets. ATMACA, which can be used in all weather conditions, has re-attack, target update and mission abort abiliteis via data link. It has also re-attack and counter-counter measurements abilities.



TECHNICAL SPECIFICATIONS

RANGE	250 KM (ATMACA)
LENGTH	7 M
WEIGHT	1200 KG
DIAMETER	533 MM
CAPSULE	CAPABILITY OF ATMACA ANTI-SHIP MISILE LAUNCHING FROM SUBMARINE PLATFORMS, ACTIVE CONTROL (CONTROL ACTUATOR SYSTEM) CAPSULE MAIN COMPUTER & NOSE SECTION ELECTRONICS
PLATFORMS	SUBMARINES

TARGET TYPE

MOVING/FIX MARITIME SYSTEM,
FIXED GROUND BASED TARGETS,
ATTACK CAPABILITY AGAINST FIXED COORDINATES

AKATA

The AKATA, the submarine-launched version of the ATMACA Anti-Ship Missile in the inventory of the Turkish Armed Forces, has gained the capability to fire guided missiles from underwater. Equipped with advanced technology, AKATA contributes to the defence of the Blue Homeland with the ATMACA Missile, which has a range exceeding 250 kilometres and features a high-explosive fragmentation warhead.

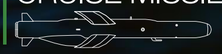
AKATA
ENCAPSULATED ATMACA



NAVAL SYSTEMS

ÇAKIR

CRUISE MISSILE





ÇAKIR (AIR LAUNCHED) CRUISE MISSILE

RANGE	200 KM
LENGTH	3.3 M
WEIGHT	275 KG
DIAMETER	275 MM

GUIDANCE
HYBRID/RADIO FREQUENCY/IMAGING INFRARED (IIR) SEEKER,
INERTIAL NAVIGATION SYSTEM,
ANTIJAM GLOBAL NAVIGATION SATELLITE SYSTEM,
TERRAIN REFERENCED NAVIGATION,
BAROMETRIC ALTIMETER,
RADAR ALTIMETER,

WARHEAD	70 KG - HIGH EXPLOSIVE SEMI-PIERCING, BLAST FRAGMENTATION, THERMOBARIC

PLATFORMS
UCAVs, FIXED WING AIR PLATFORMS, FIGHTER JETS,

TARGET TYPE
FIXED GROUND BASED TARGETS, SURFACE TARGETS, COMMAND CONTROL CENTERS, SAM SITES



ÇAKIR (SURFACE LAUNCHED) CRUISE MISSILE

RANGE	150 KM
LENGTH	3.8 M
WEIGHT	350 KG
DIAMETER	275 MM

GUIDANCE
HYBRID/RADIO FREQUENCY/IMAGING INFRARED (IIR) SEEKER,
INERTIAL NAVIGATION SYSTEM,
ANTIJAM GLOBAL NAVIGATION SATELLITE SYSTEM,
TERRAIN REFERENCED NAVIGATION,
BAROMETRIC ALTIMETER,
RADAR ALTIMETER,

WARHEAD	70 KG - HIGH EXPLOSIVE SEMI-PIERCING, BLAST FRAGMENTATION, THERMOBARIC

PLATFORMS
AUSVs, NAVAL PLATFORMS, ROTARY WING AIR PLATFORMS, TACTICAL WHEEL LAND PLATFORMS.

TARGET TYPE
FIXED GROUND BASED TARGETS, SURFACE TARGETS, COMMAND CONTROL CENTERS, SAM SITES

ÇAKIR

ÇAKIR is a cruise missile with low radar cross-section and high accuracy, which can be integrated into air and surface platforms with multiple carriage opportunity. ÇAKIR engages targets with high precision under all weather conditions to its advanced mid-phase and terminal phase guidance systems. Network-based datalink facilitates Man-in-the-Loop capability for target update, attack/re-attack for in-flight target of opportunity and mission abort.



TECHNICAL SPECIFICATIONS

HIGH MOBILITY

ABLE TO INTEGRATE WITH RADAR SYSTEMS

WIRED/WIRELESS COMMUNICATION SYSTEM

ABLE TO TRANSPORT THE VEHICLES VIA LAND, SEA AND RAILWAYS

4 x ATMACA or 6 x ÇAKIR CANISTER ON VEHICLE

BATTALION SYSTEM

COMMAND & CONTROL VEHICLE,

TRANSPORTATION VEHICLE,

LAUNCHING VEHICLE

NAVAL SYSTEMS

BARBAROS

COASTAL DEFENCE SYSTEM

BARBAROS

It is a Coastal Defence System that can operate ATMACA and ÇAKIR Cruise missiles integrated into a mobile vehicle battalion structure. Mission planning can be done within the battery structure at Launch Vehicle and Command Control Vehicle and can be also integrated into a central control element/battle management system. BARBAROS Coastal Defence System, which can be configured according to user needs thanks to its modular structure, can be integrated with a coast surveillance radar into the Command Control Vehicle if necessary.



AKYA

NEXT GENERATION HEAVYWEIGHT TORPEDO



TECHNICAL SPECIFICATIONS

RANGE	50 KM
LENGTH	7 M
WEIGHT	1700 KG
DIAMETER	533 MM
GUIDANCE	ACOUSTIC AND WAKE GUIDANCE
WARHEAD	INSENSITIVE HIGH EXPLOSIVE BLAST WARHEAD
PLATFORMS	SUBMARINES

TARGET TYPE

SUBMARINES, FAST PATROL BOATS, CORVETTES, FRIGATES

AKYA

AKYA is a fully indigenous design, new generation Heavyweight Torpedo launched from submarines to engage submarines and surface targets of various types. AKYA is a high speed, long range, fully autonomous or fibre optic wire guided torpedo with active/passive sonar homing head. In addition, AKYA employs wake homing guidance for surface targets. AKYA, which operates at high speeds and at long ranges, features an active/passive sonar head, while internal guidance is provided via internal and fibre-optic cabling.



NAVAL SYSTEMS

ORKA

NEXT-GENERATION LIGHTWEIGHT TORPEDO

TECHNICAL SPECIFICATIONS

RANGE	15 KM
LENGTH	2.85 M
WEIGHT	220 KG
DIAMETER	275 MM
GUIDANCE	ACOUSTIC AND INTERNAL GUIDANCE
WARHEAD	INSENSITIVE HIGH EXPLOSIVE BLAST WARHEAD
PLATFORMS	AUSVs, UCAVs, HELICOPTER

TARGET TYPE SUBMARINES

ORKA

ORKA is a fully indigenous, new generation Lightweight Torpedo capable of being launched from surface ships and air vehicles to engage submarines of various types. ORKA is a high speed, fully autonomous torpedo with active/passive sonar homing head.

NAVAL SYSTEMS

TEMREN

LONG RANGE ANTI-TANK MISSILE SYSTEM





TECHNICAL SPECIFICATIONS

RANGE	8 KM
LENGTH	1.8 M
WEIGHT	37.5 KG
DIAMETER	160 MM
GUIDANCE	IIR IMAGING INFRARED SEEKER, SEMI-ACTIVE LASER SEEKER
WARHEAD	TANDEM ANTI TANK, HIGH EXPLOSIVE BLAST FRAGMENTATION, TERMOBARIC
PLATFORMS	UAVs, FIXED AND ROTARY WING AIR PLATFORMAS TACTICAL WHEEL AND TRACKED LAND PLATFORMS NAVAL PLATFORMS

TARGET TYPE

MOBILE & STATIONARY SURFACE AND LAND TARGETS

TEMREN

TEMREN is a project for the integration of anti-tank missiles into Seahawk helicopters and the procurement of G/Ms.



TECHNICAL SPECIFICATIONS

RANGE	2 KM
LENGTH	1.3 M
WEIGHT	35.5 KG
DIAMETER	196 MM
DEPTH OF DETONATION	15-300 M
WARHEAD	HIGH EXPLOSIVE
PLATFORMS	NAVAL PLATFORMS

TARGET TYPE SUBMARINES

NAVAL SYSTEMS

ASW

ANTI-SUBMARINE WARFARE ROCKET AND LAUNCHER SYSTEM



ASW

The Anti Submarine Warfare (ASW) Rocket and Launcher System is developed for use against underwater targets, with a range of 1000-2000 meters and a depth of 15-300 meters. When integrated with the surface platform's weapon management system and sonar, it has automatic and manual launcher laying and stabilization capabilities. The Fire Control System calculates the firing solution using navigation and target data provided by the surface platform. The system has the ability to engage targets with single or salvo shots.

With automatical fuse time is calculation according to target depth, the system provides deterrence against submarine targets. The rocket has a high-explosive warhead optimized for underwater shock effect and it also has the insensitive munition feature.

ROKETSAN

AIR DEFENCE SYSTEM

SİPER LONG-RANGE AIR AND MISSILE DEFENCE SYSTEM
HİSAR AIR DEFENCE MISSILES
MİDLAS NATIONAL VERTICAL LAUNCHER SYSTEM
LEVENT CLOSE IN WEAPON SYSTEM
SUNGUR AIR DEFENCE MISSILE SYSTEM
BURÇ AIR DEFENCE MISSILE SYSTEM
ALKA NETWORK ENABLED WEAPON



AIR DEFENCE SYSTEMS

SİPER

LONG-RANGE AIR AND MISSILE DEFENCE SYSTEM





SİPER BLOCK-1

RANGE	100 KM
LENGTH	5.4 M
DIAMETER	370 MM
CANISTER	6450 x 850 x 800 MM

(SINGLE TYPE CANISTER FOR BLOK 1 AND 2)

GUIDANCE	GLOBAL POSITIONING SYSTEM SUPPORTED, INERTIAL INTERFACE GUIDANCE WITH DATA LINK, ACTIVE RADAR SEEKER
WARHEAD	HIGH EXPLOSIVE FRAGMENTATION
PLATFORMS	SEMITRAILER CONFIGURATION

TARGET TYPE

AIRCRAFT, HELICOPTER, CRUISE MISSILE, UAV'S, AIR-TO-GROUND MISSILES



SİPER BLOCK-2

RANGE	150 KM
LENGTH	6.3 M
DIAMETER	420 MM
CANISTER	6450 x 850 x 800 MM

(SINGLE TYPE CANISTER FOR BLOK 1 AND 2)

GUIDANCE	GLOBAL POSITIONING SYSTEM SUPPORTED, INERTIAL INTERFACE GUIDANCE WITH DATA LINK, ACTIVE RADAR SEEKER
WARHEAD	HIGH EXPLOSIVE FRAGMENTATION
PLATFORMS	TACTICAL WHEELED VEHICLE

TARGET TYPE

AIRCRAFT, HELICOPTER, CRUISE MISSILE, UAV'S, AIR-TO-GROUND MISSILES

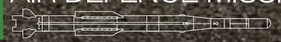
SİPER

SİPER is a Long-Range Air and Missile Defence System designed to ensure effective deterrence in peace and crisis, while safeguarding the survival of friendly forces during war. Its mission involves limiting, delaying, or neutralizing enemy air-breathing targets, cruise missiles, and air-to-ground ammunition attacks. Additionally, SİPER aims to protect strategic and economic facilities against these threats, facilitating joint operations under more favorable conditions. In summary, SİPER designed to serve as a sophisticated defence system, providing a comprehensive shield against airborne threats and enhancing the viability of allied forces in diverse operational scenarios.

AIR DEFENCE SYSTEMS

HiSAR

AIR DEFENCE MISSILES



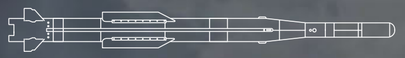


HİSAR-A+

ALTITUDE	10 KM
RANGE	15 KM
LENGTH	3.67 M
DIAMETER	234 MM
GUIDANCE	MIDCOURSE GUIDANCE: INERTIAL NAVIGATION AND DATA LINK TERMİNAL GUIDANCE; IMAGING INFRARED SEEKER AND OPTIMIZED NAVIGATION ALGORITHMS
WARHEAD	HIGH EXPLOSIVE FRAGMENTATION
PLATFORMS	WHEELED & TRACKED LAND VEHICLES AND NAVAL VESSELS

TARGET TYPE

AIRCRAFT, HELICOPTERS, UAVs, AIR TO GROUND MISSILES, CRUISE MISSILES



HİSAR-O (RF)

ALTITUDE	15 KM
RANGE	40 KM
LENGTH	4.5 M
DIAMETER	234 MM
GUIDANCE	INITIAL TURN GUIDANCE MIDCOURSE GUIDANCE; INERTIAL NAVIGATION AND DATA LINK TERMINAL GUIDANCE; RF (RADIO FREQUENCY) SEEKER AND OPTIMIZED GUIDANCE ALGORITHMS
WARHEAD	HIGH EXPLOSIVE FRAGMENTATION
PLATFORMS	WHEELED & TRACKED LAND VEHICLES AND NAVAL VESSELS

TARGET TYPE

AIRCRAFT, HELICOPTERS, UAVs, AIR TO GROUND MISSILES, CRUISE MISSILES

HiSAR

HİSAR Air Defence Missiles are used for the protection of military bases, ports, facilities and troops against attacks from rotary- and fixed-wing aircraft, cruise missiles, air-to-ground missiles and unmanned aerial vehicles (UAV). HİSAR-A and HİSAR-O have a modular structure as part of a family concept, and are designed to be compatible with different platforms, fire control, and command control infrastructures.



AIR DEFENCE SYSTEMS

MİDLAS

NATIONAL VERTICAL LAUNCHER SYSTEM

TACTICAL VERSION WEIGHT	15000 KG
TACTICAL VERSION LENGTH	2x3x6.7 M
STRIKE VERSION WEIGHT	18000 KG
STRIKE VERSION LENGTH	2x3x8 M
SINGLE CELL TACTICAL WEIGHT	2500 KG
SINGLE CELL TACTICAL LENGTH	1.2x1.4x6.7 M
SINGLE CELL STRIKE WEIGHT	3500 KG
SINGLE CELL STRIKE LENGTH	1.2x1.4x8 M

INTERFACE MIL-STD-1399 SECTION 300B (Type 1 and 3) / NATO STANAG 1008

UNDER DECK INTEGRATION DESIGN AND MISSILE ARSENAL

EVERY MİDLAS MODULE HAS 8 CELLS WHICH IS CAPABLE OF CONTAINING 1 CANISTER IN EACH CELL, COMPATIBLE TO QUAD-PACK CANNISTERS

INTEGRATED 24/7 ACTIVE DELUGE AND SPRINKLER SYSTEMS FOR SYSTEM AND PLATFORM SAFETY.

EASY MISSILE INTEGRATION VIA STANDARD INTERFACES, MIDLAS IS CAPABLE OF LAUNCHING SURFACE TO AIR, SURFACE TO SURFACE, SURFACE TO GROUND AND SURFACE TO UNDERWATER MISSILES WITHOUT CELL DEPENDENCY. HISAR RF D MIDLAS INTEGRATION IS COMPLETED, SIPER 1D AND ATMACA INTEGRATION ARE IN PROGRESS

MİDLAS can store guided missiles (G/M) with canisters below deck, has the ability to launch different G/M types with hot or cold launch methods with the commands it receives through the ship combat management system, and has the ability to launch surface-to-air, surface-to-surface, surface-to-land and torpedo type missiles simultaneously from its different cells. It is an electromechanical launch system that can contain different missile types and fire these missiles individually or sequentially at different targets, and can take preventive and isolating security measures when necessary for the safety of the ship and personnel. MİDLAS has tactical size version and attack size version which carry longer range missiles. In addition, there are single-cell versions for adaptive deployment and station-based versions for base/port/region protection.

AIR DEFENCE SYSTEMS

LEVENT

CLOSE IN WEAPON SYSTEM



TECHNICAL SPECIFICATIONS

RANGE	11 KM
LENGTH	3.2 M
DIAMETER	128 MM
WEIGHT	75 KG
GUIDANCE	IMAGING INFRARED SEEKER (IIR) WITH PASSIVE RADIO FREQUENCY SENSOR
WARHEAD	10 KG - FREGMENTATION WARHEAD WITH PROXIMITY SENSOR
PLATFORMS	NAVAL PLATFORMS

TARGET TYPE

ROTARY WING AIRCRAFTS, SEA SKIMMER AND HIGH DIVER ANTI SHIP MISSILE, FIXED WING AIRCRAFTS, UCAVs

LEVENT

Levent Missile Based Close-in Weapon System is a short-range, all-weather, surface-to-air missile system performs target acquisition, target track, command, control, communication, target evaluation, weapon allocation, target engagement and target interception functions. Main mission of the system is to provide defence against anti-ship missiles attacking at low altitudes (sea-skimmer) up to high altitudes (high-divers) with subsonic to supersonic speeds and other airborne threats such as UAVs, hovering helicopters, air to ground missiles with 360° engagement range by radar and EOS.

AIR DEFENCE SYSTEMS

SUNGUR

AIR DEFENCE MISSILE SYSTEM





TECHNICAL SPECIFICATIONS

RANGE	8 KM
ALTITUDE	4 KM
LENGTH	1.68 M
DIAMETER	82 MM
WEIGHT	14.5 KG
GUIDANCE	IMAGING INFRARED (IIR) SEEKER, TERMINAL GUIDANCE VIA OPEN-ARCHITECTURE SEEKER HEAD, LOCK-ON BEFORE LAUNCH (FIRE AND FORGET)
WARHEAD	HIGH EXPLOSIVE, SEMI ARMOR PIERCING WARHEAD, PROGRAMMABLE IMPACT FUZE, INSENSITIVE MUNITION, TYPE 4, FUEL FIRE & BULLET ATTACK
PLATFORMS	PERSONNEL LAND PLATFORMS NAVAL PLATFORMS

TARGET TYPE

FIXED-WING AIRCRAFT,

UNMANNED ROTARY-WING AIRCRAFT,

UAVs

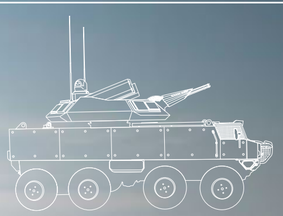
SUNGUR

SUNGUR Air Defence Missile System has been developed for the short-range air defence of moving/ stationary troops and facilities located in the battlefield and its surroundings.

AIR DEFENCE SYSTEMS

BURÇ

MOBILE AIR DEFENCE SYSTEM



TECHNICAL SPECIFICATIONS

PRIMARY ARMAMENT	8+ SUNGUR (VSHORAD 8 KM, IIR) MISSILES
AUXILIARY ARMAMENT	20 MM / 30 MM CANNON SYSTEM

NEW GENERATION ARMOURED VEHICLE INTEGRATION FLEXIBILITY

360° AIR SURVEILLANCE ACTIVE AND PASSIVE SENSORS EO / IR SENSOR SUITE

MODULAR MISSION (C2 CONNECTION / STAND-ALONE)
360° STABILIZED TURRET

TARGET TYPE

UNMANNED AERIAL VEHICLE (Incl. MICRO UAV's)

HELICOPTER

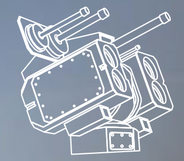
AIRCRAFT

BURÇ

BURÇ new generation mobile Ground Based Air Defence (GBAD) system combines superior firepower (VSHORAD missile and 20/30 mm gun), active and passive sensors and the dynamics needed to engage against all current and future battlefield air threats.

BURÇ system is equipped with state-of-art passive and active search and tracking sensors which provide seamless 360° air surveillance and accurate fire control data. Advanced algorithms are used to fuse the sensor data together, classify the targets and support the operators in their decision making.

IFF and data link provides seamlessly the integration option into the battle order and command structure. New generation armoured vehicle mobility and 360° stabilized turret provides agility, fire-on-move capability and uninterrupted coverage on challenging terrain and weather conditions.



TECHNICAL SPECIFICATIONS

RANGE	2.5 kW	: 1.100 M
	5 kW	: 1.600 M
	10 kW	: 2.200 M
JAMMING RANGE	10 KM	
TARGET DETECTION	DRONE DETECTION RADAR	
TARGET FOLLOW	UP TO 100 TARGETS THE ABILITY TO FOLLOW	
DUTY	DAY AND NIGHT OPERATION	
WEAPON SYSTEM	LASER WEAPON AND ELECTROMAGNETIC JAMMING SYSTEM	
CONCEPT OF USE	MOBILE, PORTABLE AND STATIONARY USE	

TARGET TYPE

DRONES, LOITERING MUNITION, MINI/ MICRO UAVS, IMPROVISED EXPLOSIVE DEVICES (IED'S), FLOATING MINES, UNMANNED MARINE VEHICLES (UMVS) AND SWARMS

AIR DEFENCE SYSTEMS

ALKA

NETWORK ENABLED WEAPON

ALKA

ALKA Directed Energy Weapon System (DEWS) uses electromagnetic and laser technology against asymmetric threats as very close hybrid air defence system.

Threats are interfered by Electromagnetic Jamming System (EJS) and are destroyed by Laser Destruction System (LDS) with two-layered defence architecture. It can also be used to counter bomb traps in residential areas and roadside Improvised Explosive Devices (IEDs).

ROKETSAN

OTHER SYSTEMS

BALLISTIC PROTECTION SYSTEMS

NAVIGATION SYSTEMS

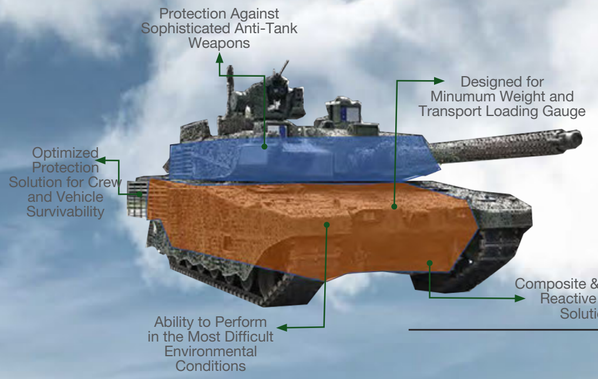






OTHER SYSTEMS

BALLISTIC PROTECTION SYSTEMS



TANK SURVIVABILITY SOLUTIONS

The hybrid reactive armor system is a new generation armor system developed within the scope of increasing the survivability of armored vehicles. Based on platform requirement, optimized protection system adds the minimum weight for providing excellent protection while keeping maneuverability and operational range maxiumum.

ALTAY TANK

The Altay Main Battle Tank Armor System was developed by BKM and serial production deliveries have started. Explosive Reactive Armor Technology (ERA) is used together with hybrid armor systems.



TIYK-LEOPARD TANK

It is an armor system designed and qualified by BKM for the Tanks Additional Capability Acquisition Project (TIYK) to increase the protection capability of Leopard 2A4 tanks against current threats. Its modular structure provides high protection and ease of access to maintenance interfaces.



TIYK-M60 TANK

Armor kits produced using explosive armor technology specifically for the armor kits required by M60-T tanks. In addition, passive armor systems were designed and qualified for the tank skirt area. Mass production activities are ongoing.



MODULAR ARMORED TOWER (MAT)

Designed for tank modernization projects, the MAT system provides the highest survivability level with the lowest system weight. In addition, thanks to the low-recoil 105mm main gun system and automatic loader system developed by Roketsan, it is compatible with tactical wheeled and tracked armored platforms and has much higher protection than its counterparts.

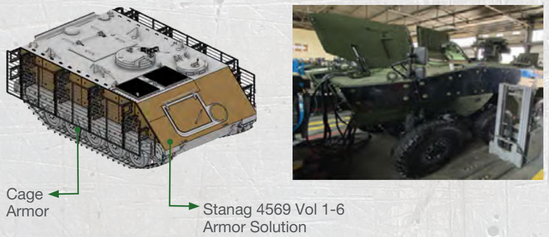
BKM

Ballistic Protection Center (BPC) is an experienced ballistic protection system solution supplier for military platforms. Unique expertise and capability to fill all the steps from design, testing, production and the platform integration is actively used for the effective ballistic protection. From design to system integration, ballistic protection solutions created around platform requirements to give best protection to our users. Our solutions currently installed not only land systems but also sea and critical infrastructures of both Turkish Armed Forces and Allied Military.

ADD-ON ARMOR SOLUTIONS

Multi-layered ballistic protection add-on armor solutions are optimized for keeping minumum effect on power to weight ratio change on platform. Add-on armor solution has capability to withstand both KE and IED threats.

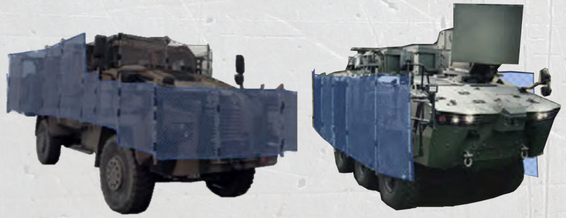
- Stanag 4569 AEP 55 Vol 1 Level 1-6 Armor Solutions
- Stanag 4569 AEP 55 Vol 3 IED Protection Solutions
- Modular Design based on Open Architectural Design
- High Multi Hit Capability
- Scable up Armoring Options for Increasing Protection Level
- Spall-liner Solutions



RPG PROTECTION NET

Protects Against Three Different RPG 7 Types

- Low System Weight
- Easy Integration
- Applicable for All Type of Platforms
- Already Integrated on Aselsan Yener (8x8), Ejerha (6x6) Kirpi, Cobra I, Cobra II, Ejder Yalçın, M60A3, and Loader Vehicles



AIR PLATFORMS SOLUTIONS

Tailor Made Solution for Both Fixed and Rotating Wing Platforms. Different Protection Levels Available Based on Selected Standards and User Defined Demands (NIJ-0108.01, MIL-PRF-46103, Stanag 4569). Certification of Mechanical and Environmental Properties



FORCE PROTECTION SOLUTIONS

FRAG SHIELD (RZP-10)

Developed for Fragmantation and Blast Protection. Modular Open Architectural Design for Application on Different Military Assets Such as Building or Containers. Multi Layered Design for Fragmentation and Blast Protection Against Mortar and Artilery Rocket



RZP-10

ARMOR BLOCK (RZB-20/20B)

Developed for Force Protection Up to 14.5mm AP-A5 Level. Protection Against Light Weapons Effect. Mortar and Fragmentation Protection. Easy Installation and Assembly



RZB-20

CAGE ARMOR (RZK-7)

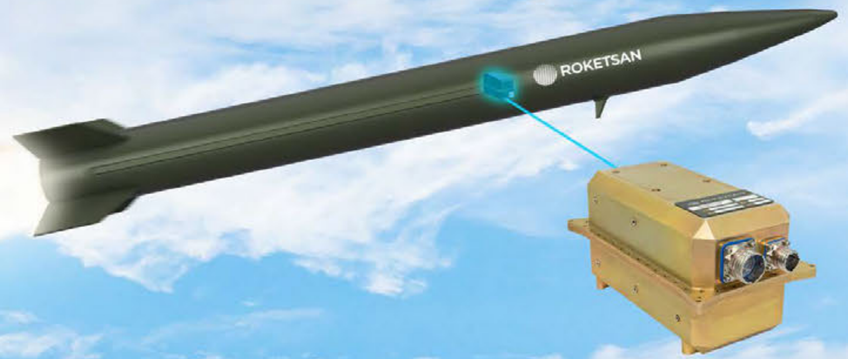
Developed for RPG 7 Anti Tank Rounds. Designed to Disrupt Warhead Attacks. Ideal for Military Assets in Combat Zones and High-Risk areas. Easy Installation and Assembly



RZK-7







OTHER SYSTEMS

NAVIGATION SYSTEMS



	INERTIA MEASUREMENT UNITS						
	TACTICAL-GRADE				NAVIGATION-GRADE		
	TurNa TK	TurNa TM	TurNa TR	YDÖB	TurNa NH	TurNa-NTYP	TurNa-NV2-RA
GYROSCOPE							
Sensor	FOG*						
Measurement Range	±490 °/sec				±250 °/sec		
Residual Bias Error (1σ)	< 1 °/hour				< 0.04 °/hour		
Scale Factor Error (1σ)	< 200 ppm				< 50 ppm		
ACCELEROMETER							
Sensor	Quartz		MEMS**		Quartz		
Measurement Range	±60 g	±40 g / ±6 g	±10 g / ±30 g		±30 g	±30 g	±60 g
Residual Bias Error (1σ)	< 1 mg		0,4 mg / 1,2 mg		< 150 ug	< 100 ug	< 50 ug
Scale Factor Error (1σ)	< 200 ppm		< 300 ppm		< 150 ppm	< 75 ppm	< 75 ppm
Physical Specifications							
Mass	≤ 1,3 kg				≤ 4,5 kg	≤ 5,5 kg	≤ 5,5 kg
Dimensions (mm)	80 x 116 x 117				132 x 229 x 253	143 x 153 x 280	143 x 153 x 280
Electrical & Environmental Specifications							
Power	≤ 14 Watt				≤ 14 Watt	≤ 14 Watt	≤ 45 Watt
Temperature (Operational)	[-40 °C, +70 °C]				[-30 °C, +50 °C]		

FOG	Fiberoptic Gyroscope
MEMS	Micro Electronic Mechanic Systems

Compliant with MIL-STD-810G and MIL-STD-461F standards.



OTHER SYSTEMS

NAVIGATION SYSTEMS



	INERTIAL NAVIGATION SYSTEMS				
	TACTICAL-GRADE	NAVIGATION-GRADE			
		FOG BASED INS			RLG BASED INS
	RNF1000-K	RNF2000-K	RNF2000-D	RNF2100-K	RNL2100-K
Horizontal & Vertical Positioning Accuracy					
Horizontal Position (CEP)					
Inertial + GNSS	≤ 2 m*	≤ 10 m		≤ 10 m	
Inertial Only		≤ 36 m (KY ≤ 27 km)[1]	≤ [1] nm/hour	≤ 18 m (KY ≤ 27 km)[1]	
Inertial + Odometer		≤ 36 m (KY ≤ 27 km)[2]	≤ [1] nm/4 hour	≤ 18 m (KY ≤ 27 km)[2]	
Vertical Position (CEP)					
Inertial + GNSS	≤ 3 m*	≤ 10 m	≤ 5 cm or %5[3]	≤ 10 m	
Inertial Only		≤ 20 m (KY ≤ 35 km)[1]	≤ 5 cm or %5[3]	≤ 10 m (KY ≤ 35 km)[1]	
Inertial + Odometer		≤ 20 m (KY ≤ 35 km)[2]	≤ 5 cm or %5[3]	≤ 10 m (KY ≤ 35 km)[2]	
Attitude Accuracy					
Roll and Pitch (PE)					
Inertial / Combined (mils)	≤ 1,18**	< 0,34		< 0,34	
Heading (PE)					
Inertial + GNSS (mils)	≤ 3,55**	< 1		< 0,34	
Inertial Only (mils)	-	< 2,36		< 0,67	
Inertial + Odometer (mils)	-	< 1,78	< 1,78	< 0,5	< 0,5
Physical Properties					
Mass	< 2 kg	< 10 kg			< 17 kg
Dimensions (mm)	130 x 130 x 117,5	290 x 193 x 160			280 x 260 x 230
Electrical & Environmental Specifications					
Power (INS, CRPA)	< 15 W	< 15 W, < 30 W			< 70 W, < 30 W
Temperature (Operational)	[-40 °C, + 71 °C]	[-40°C, +60°C]			[-32°C, +60°C]

INS	Inertial Navigation System (-K: Land, -D: Sea)	1	Zero Velocity Update period: 4 min.
FOG	Fiber Optic Gyroscope	2	Zero Velocity Update period: 10 min.
RLG	Ring Laser Gyroscope	3	RMS values.
DT	Distance travelled		
*	Multi-constellations are in used.		
**	Values obtained by real time kinematic (RTK) positioning.		

Compliant with MIL-STD-810H and MIL-STD-461G standards.



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