

6

DETONATORS & PYROTECHNICS PRODUCTS



MAKİNE VE KİMYA
ENDÜSTRİSİ







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ABOUT US

We are capable of carrying out the entire production process under one roof for chaff and flare munitions suitable for both offensive and defensive use, as well as various cartridges and pyrotechnic products such as illumination, smoke, fog, and sound munitions.



CARTRIDGE & SQUIB



MKE CG 17 SQUIB

Weight	5 g
Case Material	Aluminium
Electrical Resistance	1.0 ± 0.15 Ω
Firing Current	4.25 A
No-fire Sensitivity	1 A. DC, 300 ± 5 sec.
Delay Time	Max. 17 msec.
Pressure	20-47 bar

It is used for dispensing 1×1×8” Chaff countermeasure decoy.

MKE MTV 118 SQUIB

Weight	5 g
Case Material	Aluminium
Electrical Resistance	1.0 ± 0.15 Ω
Firing Current	4.25 A
No-fire Sensitivity	1 A. DC, 300 ± 5 sec.
Delay Time	Max. 17 msec.
Pressure	20-47 bar

It is used for dispensing 1×1×8” Flare countermeasure decoy.

MKE MTV 218 SQUIB

Weight	10 g
Case Material	Alüminyum
Electrical Resistance	1.0 ± 0.15 Ω
Firing Current	4.25 A
No-fire Sensitivity	1 A. DC, 300 ± 5 sec.
Delay Time	Max. 17 msec.
Pressure	60-100 bar

It is used for dispensing 2×1×8” Flare countermeasure decoy.

CARTRIDGE & SQUIB



AVF 1 MOD 1
IMPULSE CARTRIDGE

Weight	34 g
Case Material	Aluminium
Electrical Resistance	0,4 - 1,25 Ω
Firing Current	Min 4A
No-fire Sensitivity	180 mA Dc, 60 sec.
Maximum Pressure	140 bar
Water Tightness	10 psi, 5 sec.

It is used for releasing load and bombs from the plane.

ARD 446 IMPULSE
CARTRIDGE

Weight	32 g
Case Material	Aluminium
Electrical Resistance	0.5-2.0 Ω
Firing Current	4 A
No-Fire Sensitivity	180 mA 60 sec.
Maximum Pressure	350 bar
Sealing	5 Psi, 5 sec.

It is used for releasing of loads and heavy bombs from the aircrafts.

ARD 863 IMPULSE
CARTRIDGE

Weight	36 g
Case Material	Aluminium
Electrical Resistance	0.5-2.0 Ω
Firing Current	Min 1.5 A
No-Fire Sensitivity	180 mA 60 sec.
Maximum Pressure	140 bar
Sealing	5 Psi, 5 sec.

It is used for releasing of loads and heavy bombs from the aircrafts.



CARTRIDGE & SQUIB



AKER PROPELLING CARTRIDGE

Weight	36 g
Case Material	Alüminyum
Electrical Resistance	0.5-2.0 Ω
Firing Current	1 A

It is used by bomb disposal experts to destroy the suspicious packages.

MKE 18 CARTRIDGE

Length	25,5 mm
Diameter	17 mm
Case Material	Aluminium
Weight	7,8 g

Blasting Power	It creates a hole with a diameter of 5 mm on the steel plate which has a thickness of 3 mm.
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It activates the parachute systems of sea mines thrown from the plane.

CARTRIDGE & SQUIB



N2 TRAINING CARTRIDGE

Length	25 mm
Diameter	30 mm
Weight	36 g
Case Material	Aluminum
Electrical Resistance	0.5-2.0 Ω
Firing Current	2.0 A
No-Fire Sensitivity	180 mA
Maximum Pressure	130 bar

It is used in the destruction training of the submarine mines.

N12 WAR CARTRIDGE

Length	55 mm
Diameter	30 mm
Weight	40 g
Case Material	Aluminum
Electrical Resistance	0.5-2.0 Ω
Firing Current	2.0 A
No-Fire Sensitivity	180 mA

It is used in the destruction procedure of the submarine mines.



PYROTECHNIC PRODUCTS



ANTI-RIOT GRENADE

Weight	51 g
Delay Time	6 s
Body Material	Styrofoam
Operation Type	Friction wire ignition

It is used for military training and dispersing crowds. When exploded, it gives high sound. Its sound can be heard from 1 km. distance.

MKE SOUND AND LIGHT BOMB MOD1 (FLASHBANG)

Length	138,5 mm
Diameter	38 mm
Case	Steel
Light Intensity	5 million Cd
Sound Intensity	Min. 165 dB
Delay Time	2 ± 1 sec.
Weight	435 g

It makes a loud noise and emits a bright flash of light when it explodes. It temporarily blinds and deafens people nearby.

SMOKE HAND-GRANADE

Weight	600 g
Case	Aluminium
Delay Time	6±2 sec.
Base Charge	HC
Burning Time	Min. 60 sec.

It is used in smoke operations.

PYROTECHNIC PRODUCTS



ELECTRICAL SMOKE

Length	85 mm
Diameter	50 mm
Weight	60 g
Case	Aluminium
Colour of Smoke	Orange
Burning Time	45 sec.
Electrical Resistance	1.2-1.6 Ω
Firing Current	1.0 A

It is used in radar training.

TANK SMOKE MORTAR AMMUNITION

Weight	1250 g
Diameter	93 mm
Electrical Resistance	1,0-3,5 Ω
Firing Current	Min 1.5 A
Range	50 m
Smoke Burning Time	Min. 100 sec.
Smoke Material	HC
Smoke Color	Grey

It is used to camouflage the military vehicle with smoke. It is ignited electrically.

2 KG SMOKE CAN

Weight	1800 g
Diameter	97 mm
Burning Time	Min 4 min
Smoke Material	HC
Smoke Color	Grey

It is used for camouflage. Ignition mechanism is friction type.





PYROTECHNIC PRODUCTS



ASSAULT BOAT TYPE COLORED SMOKE CAN

Weight	560 g
Diameter	77 mm
Burning Time	Min 60 sec.
Smoke Color	Green, Violet, Yellow, Red

It is used for signalling and communication. It gives colored smoke.



COLORED SMOKE CAN

Weight	170 g
Diameter	53 mm
Burning Time	Min 60 sec.
Smoke Colors	Green, Violet, Yellow, Red

It is the can which gives colored smoke and is used for communication, signalling and demonstration. When drawing the pulling ring, colored smoke mixture is ignited by impact capsule.

PYROTECHNIC PRODUCTS



1" SIGNAL CARTRIDGE

Weight	60 g
Illumination Color	Red, green, white
Deployment Height	Min 50 m
Signalling Time	Min 3 sec.
Case	Aluminium

It is used for communication. It gives light with different colors.

1.5" SIGNAL CARTRIDGE

Weight	145 g
Illumination Color	Red, green, white
Deployment Height	Min 50 m
Signalling Time	Min 4 sec.
Case	Aluminium

It is used for communication. It gives light with different colors.



7/8" SIGNAL CARTRIDGE

Weight	30 g
Illumination Color	Red, green, white
Deployment Height	Min 50 m
Signalling Time	Min 4 sec.
Case	Aluminium

It is used for communication. It gives light with different colors. It is launched by a special pistol.



PYROTECHNIC PRODUCTS



MK4 MOD3 SMOKE CARTRIDGE

Weight	48 g
Diameter	24 mm
Smoke Color	White
Active Substance	Stabilized Red Phosphorus
Case	Aluminium

It is used by mounting to the training bomb which is activated by hitting the target result in dense white smoke.

1" ILLUMINATION CARTRIDGE WITH PARACHUTE

Weight	60 g
Illumination Color	White
Flight Distance (45°-60°)	150-350 m
Illumination Time	Min. 14 sec.
Illumination Intensity	Min. 50.000 Candelas
Case	Aluminium

It is used for communication. It is launched by 1" signal pistol and gives white light.

12.7 MM ELECTRIC FLAME CARTRIDGE DLT

Weight	81 g
Case Material	Brass
Electrical Resistance	1.55-1.80 Ω
Firing Current	1.5 A
No-fire Sensitivity	180 mA DC, 60 sec.

It is used to open rocket fuse and bomb disposal apparatus.

PYROTECHNIC PRODUCTS



SUBMARINE SIGNAL WITH PARACHUTE (SMOKE)

Weight	1850 g
Smoke Color	Yellow, Red, Green
Burning Time	Min. 25 sec.
Shooting Depth	Max. 300 m
Height From Sea Level	Min. 70 m
Ignition Type	Water activation battery

It is ejected from submarines and is used for communication in daytime. It gives colored smoke while landing parachute.

SUBMARINE SIGNAL WITH PARACHUTE (ILLUMINATION)

Weight	1850 g
Illumination Color	Yellow, Red, Green
Illumination Time	Min. 25 sn
Green Light Intensity	Min. 15000 candelas
Yellow and Red Light Intensity	Min. 50000 candelas
Shooting Depth	Max. 300 m
Height From Sea Level	Min. 70 m
Ignition Type	Water activation battery

It is ejected from submarines and is used for communication in night. It gives colored light while landing parachute.



PYROTECHNIC PRODUCTS



HME-1 (HAND MADE EXPLOSIVE FOR TRAINING TYPE-1)

Weight	23 g
Case	Chromo Paper
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min 1.0 A
No-Fire Sensitivity	180 mA DC
Cable Length	2 m
Effective Distance	20 m

It is used in mine and hand made explosive trainings. It is ignited electrically and it gives sound, light and smoke.

HME-2 (HAND MADE EXPLOSIVE FOR TRAINING TYPE-2)

Weight	24 g
Case	Chromo Paper
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min 1.0 A
No-Fire Sensitivity	180 mA DC
Cable Length	2 m
Effective Distance	20 m

It is used in mine and hand made explosive trainings. It is ignited electrically and it gives light and smoke.

HME-3 (HAND MADE EXPLOSIVE FOR TRAINING TYPE-3)

Weight	43 g
Case	Chromo Paper
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min 1.0 A
No-Fire Sensitivity	180 mA DC
Cable Length	2 m
Effective Distance	75 m

It is used in mine and hand made explosive trainings. It is ignited electrically and it gives sound, light and smoke.

PYROTECHNIC PRODUCTS



FLARE SURFACE TRAP

Weight	490 g
Illuminating Color	White
Illuminating Time	Min 35 sec.
Illumination Intensity	Min 150.000 Candelas

It is used as a trap in the fields which need to be secured. When the flare is activated by the trap wire, the pyrotechnic illuminant mixture is ignited immediately and it provides an intense illumination.

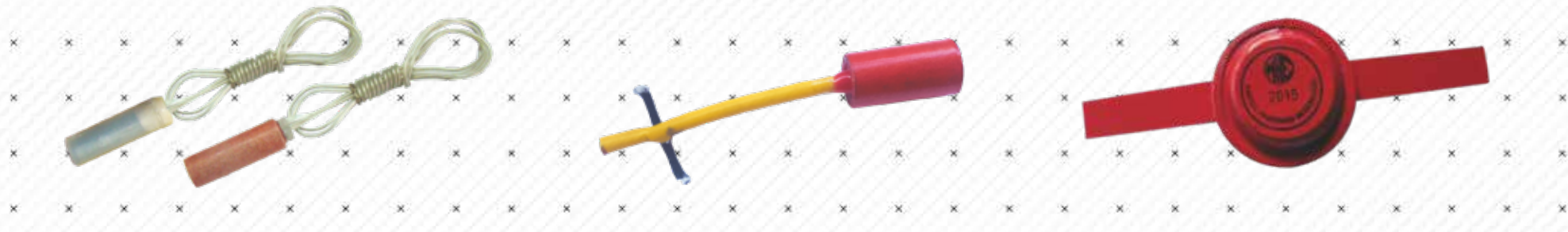
MKE 61 FUSE LIGHTER

Diamater	18.9 mm
Length	85 mm
Weight	40 g
Case	Plastic

It is used for igniting the safety fuses.



PYROTECHNIC PRODUCTS



SOUND DETONATOR FOR TRAINING (SESK-1, SESK-2)

Weight	3,5 g / 12,5 g
Case Material	Chromo Paper
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min 1.0 A
No-fire Sensitivity	180 mA DC, 60 sec.
Cable Length	300 mm / 1500 mm
Effective Range	2 m / 10 m

It is used in booby trap training. It is ignited electrically and gives a high sound that simulates the bomb bomb.

M80 FIRECRACKER

Weight	10 g
Case Material	Chromo Paper
Delay Time	Min 3 sec.
Effective Distance	50 m

It is used for training and gives high sound like a hand bomb.

FIRECRACKER (RAILWAY)

Weight	45 g
Diameter of Case	55 mm
Height	10 mm
Case	Zinc
Effective Distance	1 km

It is used to make a loud sound as a warning signal to train drivers.

COUNTERMEASURE AMMUNITION



CG 17 CHAFF (1" X 1" X 8")

Dimensions	1" x 1" x 8" (25 × 25 × 205 mm)
Pellet	2-20 Ghz (E-J Band)
Launched Dispenser	ÖZİŞİK, AN/ALE-40-47 or equivalent
Squib	Bbu-35/B, Heko 3650 and MKE Squibs
Service Life	5 years
Storage Life	10 years
Operation Temp.	-55 °C / +85 °C

It is used for countermeasure. It acts as a decoy for radar guided missiles. When ejected from an aircraft, chaff forms a metal coated chaff cloud that hides the aircraft from radar.

MKE 118 FLARE (1" X 1" X 8")

Dimensions	1" x 1" x 8" (25 × 25 × 207 mm)
Pellet	Magnesium/Teflon/Viton
Launched Dispenser	ÖZİŞİK, AN/ALE-40/47 or equivalent
Squib	M 796, BBU-35, MKE Squib
Similar Ammunition	M 206
Service Life	6 Months
Storage Life	5 Years
Operation Temp.	-55 °C / +85 °C

It is used as a countermeasure against IR heat guided missiles.

MKE 218 FLARE (1" X 2" X 8")

Dimensions	1" x 2" x 8" (25 × 51 × 207 mm)
Pellet	Magnesium/Teflon/Viton
Launched Dispenser	ÖZİŞİK, AN/ALE-40/47 or equivalent
Squib	BBU-35, MKE Squib, Heko 3670
Similar Ammunition	Mju-7
Service Life	6 Months
Storage Life	9 Years
Operation Temp.	-55 °C / +85 °C

It is used as a countermeasure against IR heat guided missiles.





COUNTERMEASURE AMMUNITION

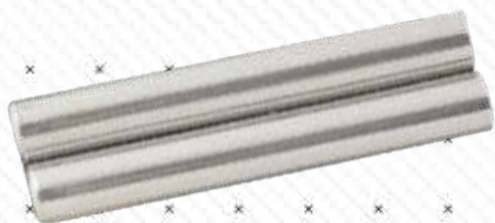


TRACKING AND TARGET FLARE

Weight	250 g
Dimensions	Ø25 × 230 mm
Case	Steel
Burning Time	Min. 45 sec.
Illumination Color	Red
Illumination Intensity	Min 10.000 Candelas
No-Fire Sensitivity	180 mA.DC
Electrical Resistance	1.2-1.8 Ohm
Firing Current	1.0 A

It is used for air-to-air or ground-to-air IR heat guided missiles training. When Flare is initiated, it generates red light.

BLASTING DETONATORS



PLAIN DETONATOR NO:8

Shell	Aluminium
Detonation Velocity	7500 m / sec.
Delay Time	Instantaneous
Grizu Safe	Unsafe
Blasting Power	It makes a hole with a diameter of min. 5 mm. on the lead plate which has a thickness of 5 mm.
Strength	No.8

This type of detonator is used as an igniter to initiate the dynamite and similar explosives in dams, roads and mining constructions. It is ignited with a safety fuse which is crimped by a special pens. It explodes with delay depending on the fuse length being used.



BLASTING DETONATORS



ALUMINIUM ELECTRICAL DETONATOR (CLASS 1 AND CLASS 2)

Shell	Aluminium
Cable	Electrolytic copper wire coated with PVC
Length of Cable	1.5 and 2.5 m
Detonation Velocity	7500 m/sec.
Blasting Power	It makes a hole with a diameter of min 5 mm on lead plate which has a thickness of 5 mm
Fusehead Resistance	(Class 1: 1.2-1.8 Ω), (Class 2: 0.4-0.8 Ω)
Firing Impulse	(Class 1: 3 mWs/ Ω), (Class 2: 16 mWs/ Ω)
No-Firing Impulse	(Class 1: 0.8 mWs/ Ω), (Class 2: 8 mWs/ Ω)
Safety Current	(Class 1: 0.18 A DC, 300 sec.), (Class 2: 0.45 A DC, 300 sec.)
Recommended Firing Current	(Class 1: 1.0 A), (Class 2: 1.5 A)
Delay Time	Instantaneous
Grizu Safe	Unsafe
Strength	No.8

It is a detonator which has electrically ignitable fusehead by the action of dynamo type or condenser type exploder. Shell material of this detonator is chosen as aluminium to explode dynamite and similar explosives in the open mines. It can be manufactured at the desired cable length.

COPPER ELECTRICAL DETONATOR (CLASS 1 AND CLASS 2)

Shell	Copper
Cable	Electrolytic copper wire coated with PVC
Length of Cable	1.5 and 2.5 m
Detonation Velocity	7500 m/sec.
Blasting Power	It makes a hole with a diameter of min 5 mm on lead plate which has a thickness of 5 mm
Fusehead Resistance	(Class 1:1.2-1.8 Ω), (Class 2:0.4-0.8 Ω)
Firing Impulse	(Class 1:3 mWs/ Ω), (Class 2:16 mWs/ Ω)
No-Firing Impulse	(Class 1:0.8 mWs/ Ω), (Class 2:8 mWs/ Ω)
Safety Current	(Class 1:0.18 A DC, 300 sec.), (Class 2:0.45 A DC, 300 sec.)
Recommended Firing Current	(Class 1:1.0 A), (Class 2:1.5 A)
Delay Time	Instantaneous
Grizu Safe	Safe
Strength	No.8

It is a detonator which has electrically ignitable fusehead by the action of dynamo type or con-denser type exploder. It is used to explode the permitted explo-sives in the gassy and dusty mines (coal mines etc.) Tube material is copper and the detonator is firedamp safe. It can be manufactured at the desired cable length.

BLASTING DETONATORS



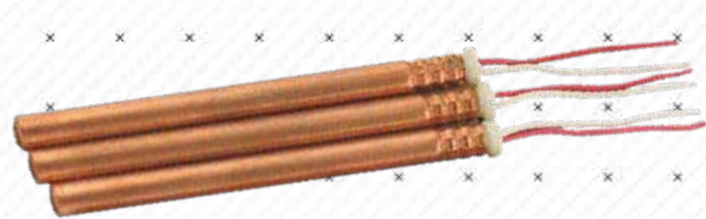
ALUMINIUM ELECTRICAL DETONATORS WITH 30 MS DELAY INTERVAL (CLASS 1 AND CLASS 2)

Shell	Aluminium
Delay Number	1 - 16
Marks on the Bottom of Cap	1 / K - 16 / K
Delay Time	30 - 480 msec.
Cable	Electrolytic copper wire coated with PVC
Length of Cable	1.5 and 2.5 m
Detonation Velocity	7500 m/sec
Blasting Power	It makes a hole with a diameter of min. 5 mm on lead plate which has a thickness of 5 mm
Fusehead Resistance	(Class 1: 1.2-1.8 Ω), (Class 2: 0.4-0.8 Ω)
Firing Impulse	(Class 1: 3 mWs/ Ω), (Class 2: 16 mWs/ Ω)
No-Firing Impulse	(Class 1: 0.8 mWs/ Ω), (Class 2: 8 mWs/ Ω)
Safety Current	(Class 1: 0.18 A DC, 300 sec.), (Class 2: 0.45 A DC, 300 sec.)
Recommended Firing	(Class 1: 1.0 A), (Class 2: 1.5 A)
Delay Time	Instantaneous
Grizu Safe	Unsafe
Strength	No.8

It is a detonator which has electrically ignitable fusehead by the action of dynamo type or condenser type exploder with delay time. They are used to blast dynamite and similar explosives at desired intervals and sequence, to obtain a good and uniform fragmentation, the desired particule size , to decrease vibration and to increase the yield of the blasting in the great blasting operations . It can be manufactured at the desired cable length.



BLASTING DETONATORS



COPPER ELECTRICAL DETONATOR WITH 30MS DELAY INTERVAL (CLASS 1 AND CLASS 2)

Shell	Copper
Delay Number	1 - 16
Marks on the Bottom of Cap	1/K-16/K
Delay Time	30 - 480 msec.
Cable	Electrolytic copper wire coated with PVC
Length of Cable	1.5 and 2.5 m
Detonation Velocity	7500 m/sec.
Blasting Power	It makes a hole with a diameter of min 5 mm on lead plate which has a thickness of 5 mm
Fusehead Resistance	(Class 1: 1.2-1.8 Ω), (Class 2: 0.4-0.8 Ω)
Firing Impulse	(Class 1: 3 mWs/ Ω), (Class 2: 16 mWs/ Ω)
No-Firing Impulse	(Class 1: 0.8 mWs/ Ω), (Class 2: 8 mWs/ Ω)
Safety Current	(Class 1: 0.18 A DC, 300 sec.), (Class 2: 0.45 A DC, 300 sec.)
Recommended Firing	(Class 1: 1.0 A), (Class 2: 1.5 A)
Delay Time	Instantaneous
Grizu Safe	Safe
Strength	No.8

It is a detonator which has electrically ignitable fusehead by the action of dynamo type or condenser type exploder with delay time. They are used to blast the dynamite and similar explosives at desired intervals and sequence, to obtain the desired particule size, to decrease the vibration and to increase the yield of the blasting in the gassy and dusty mines, especially. It can be manufactured at the desired cable length.

BLASTING DETONATORS



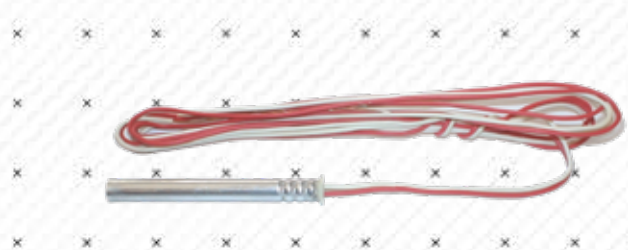
ALUMINIUM ELECTRICAL DETONATORS WITH 500MS DELAY INTERVAL (CLASS 1 AND CLASS 2)

Shell	Aluminium
Delay Number	1 - 10
Marks on the Bottom of Cap	K1 - K10
Delay Time	500 - 5000 msec.
Cable	Electrolytic copper wire coated with PVC
Length of Cable	1.5 and 2.5 m
Detonation Velocity	7500 m/sec.
Blasting Power	It makes a hole with a diameter of min 5 mm on lead plate which has a thickness of 5 mm
Fusehead Resistance	(Class 1: 1.2-1.8 Ω), (Class 2: 0.4-0.8 Ω)
Firing Impulse	(Class 1: 3 mWs/ Ω), (Class 2: 16 mWs/ Ω)
No-Firing Impulse	(Class 1: 0.8 mWs/ Ω), (Class 2: 8 mWs/ Ω)
Safety Current	(Class 1: 0.18 A DC, 300 sec.), (Class 2: 0.45 A DC, 300 sec.)
Recommended Firing Current	(Class 1: 1.0 A), (Class 2: 1.5 A)
Delay Time	Instantaneous
Grizu Safe	Unsafe
Strength	No.8

It is a detonator which has electrically ignitable fusehead by the action of dynamo type or condenser type exploder with delay time. They are used to blast dynamite and similar explosives at desired intervals and sequence, to obtain a good and uniform fragmentation, the desired particule size, to decrease vibration and to increase the yield of the blasting in the great blasting operations. It can be manufactured at the desired cable length.



BLASTING DETONATORS



**MKE 6
ELECTRICAL DETONATOR**

Weight	15 g
Case	Aluminium
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min 4.0 A
Fire Sensitivity	180 mA
Cable Length	2 m

It is used in MKE 33 Bomb-Cutter Set.



**MKE 19 MOD 1
TRAINING DETONATOR**

Weight	255 g
Case	Stainless Steel
Electrical Resistance	1.2-1.6 Ω
Firing Current	4 A
No-Fire Sensitivity	170±10 mA
Cable Length	50 cm

It is used to release the hawser in submarine mines.



**MKE 12 BOMB
CUTTER DETONATOR**

Weight	20 g
Case	Brass

It is used in MKE 12 Bomb Cutter Set.



**MKE-LT FIRE
EXTINGUISHING DETONATOR**

Weight	8 g
Case Material	Aluminium
Electrical Resistance	1.2-1.6 Ω
Firing Current	Min. 1.0 A
No-fire Sensitivity	180 mA DC
Reaction Time	5 A Max. 1 msec.

It is used in fire extinguishing systems.



**M47 ELECTRICAL
FIRE-EXTINGUISHING
DETONATOR**

Weight	2 g
Case	Aluminium
Electrical Resistance	1.5-3.5 Ω
Firing Current	Min. 1.5 A
No-Fire Sensitivity	180 mA DC
Cable Length	18 cm
Ignition Delay Time	5 A Max. 2 msec.

It is used in fire-extinguishing systems.



**S-68 FIRE-EXTINGUISHING
DETONATOR**

Weight	90 g
Case	Stainless Steel
Electrical Resistance	1.2-1.6 Ω
Firing Current	5 A
No-Fire Sensitivity	180 mA
Cable Length	13 cm
Delay Time	5 A Max. 2 msec.

It is the fire extinguishing detonator used in armoured vehicles.



ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



DETONATOR, M 204

Weight	1.9 g
Base Charge	PETN
Function	It creates a hole with a diameter of 5 mm on the lead plate which has a thickness of 5 mm.

It is used in hand grenade fuze.



DETONATOR, M 1

Weight	580 mg
Base Charge	Tetryl
Function	It creates a hole with a diameter of 5 mm on the lead plate which has a thickness of 3,5 mm.

It is used for the ignition of the fuze.

ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



2.75" ROCKET IGNITER

Weight	25 g
Case	Tin Plate
Electrical Resistance	0,7-1.3 Ω
Firing Current	1.5 A
No-Fire Sensitivity	180 mA DC, 60 sec.
Ignition Delay Time	Max. 40 msec.

It is used to ignite 2.75" Rocket.



DELAY ELEMENT, M2

Weight	2.70 g
Base Charge	Lead Azide
Delay Time	50 msec. / 100 msec.
Sensitivity	It explodes by dropping a ball which has 56 g weight from the height of 300 mm.
Function	It creates a hole with a diameter of 4 mm on the aluminium plate which has a thickness of 2 mm.

It is used as delay element in M557 fuze.



ROCKET FUZE LEAD CHARGE

Weight	1.6 g
Function	It creates a hole with a diameter 5 mm on the lead plate which has a thickness of 5 mm.

It is used in the fuze of 107 mm ve 122 mm Rocket



ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



107 MM ROCKET PRIMER

Weight	0.2 g
Function	It ignites the lead charge in the fuze of 107 mm Anatolia Rocket.

It is used in the fuze of 107 mm Rocket.

107 MM ROCKET BACK IGNITER

Weight	13 g
Case	Copper
Electrical Resistance	0.5-2.0 Ω
Firing Current	Min 1.5 A
No-Fire Sensitivity	180 mA DC, 60 sec.

It is primary igniter of 107 mm Rocket. It is ignited electrically.

107 MM ROCKET FRONT IGNITER

Weight	13 g
Base Charge	Black Powder

It is igniter of 107 mm Rocket. It gives heat and flame.

ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



122 MM ROCKET IGNITER

Weight	130 g
Case	Aluminium
Electrical Resistance	1.45-2.40 Ω
Firing Current	Min 1.5 A
No-Fire Sensitivity	180 mA DC, 60 sec.

It is primary igniter of 122 mm Rocket. It is ignited electrically.

LONG TIME DELAY ELEMENT (122 MM ROCKET)

Weight	2.2 g
Delay Time	15 msec.

It provides short time delay in the fuze of 122 mm Rocket.

SHORT TIME DELAY ELEMENT (122 MM ROCKET)

Weight	2.2 mg
Delay Time	7 msec.

It provides short time delay in the fuze of 122 mm Rocket.



ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



DETONATOR, M 17

Weight	0.62 g
Base Charge	Tetryl
Function	It creates a hole with a diameter of 4.7 mm on the lead plate which has a thickness of 3.5 mm.

It is used in M557 fuze.

DETONATOR, M 24

Weight	0,63g
Base Charge	Lead Azide
Sensitivity	It explodes by dropping a ball which has 112 g weight from the height of 305 mm.
Function	It creates a hole with a diameter of 4,7 mm on the lead plate which has a thickness of 2 mm

It is used in M557 fuze.

M125 BOOSTER

Weight	400 mg
Base Charge	Tetryl
Explosive Density	1.45-1.60 gr/cm³

It is used in M557 fuze.

ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



120 MM TANK AMMUNITION TRACER (TRAINING)

Weight	60 g
Case	Brass
Burning Time	Min. 10 sec.
Radiant Intensity	Min 30.000 candelas

It is used in 120 mm Tank Ammunition.

120 MM TANK AMMUNITION TRACER (INTEGRAL)

Weight	32 g
Case	Brass
Burning Time	Min. 3,5 sec.
Radiant Intensity	Min 25.000 candelas

It is used in 120 mm Tank Ammunition.

MOD 500 ELECTRICAL DETONATOR

Length	16 mm
Diameter	11 mm
Case	Brass
Weight	7 g

It is igniter of 120 mm Tank Ammunition.



ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



DETONATOR, DM 1019

Weight	0.3 g
Base Charge	PETN
Sensitivity	It explodes by dropping a ball which has 56 g. weight from the height of 300 mm.
Function	It creates a hole with a diameter of 4 mm on the aluminium plate which has a thickness of 2 mm.

It is used in AZDM 111 A2 fuze.

DETONATOR, DM 1020 A1

Weight	0,7 g
Base Charge	PETN
Delay Time	60 msec.
Sensitivity	It explodes by droppinng a ball which has 56 g weight from the height of 300 mm.
Function	It creates a hole with a diameter of 4 mm on the aluminium plate which has a thickness of 2 mm.

It is used in AZDM 111 A2 fuze.

DETONATOR, MOD 36

Weight	0.45 g
Base Charge	Tetryl
Function	It creates a hole with a diameter of 4 mm on the lead plate which has a thickness of 5 mm.

It is used for leading charge in AZDM 111 A2 fuze

ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



DETONATOR, MKE 1049

Weight	180 mg
Base Charge	RDX
Function	It creates an upset with a depth of 2,4 mm on the lead plate which has a thickness of 12 mm.

It is used for M 505 A3 fuze.

M505 BOOSTER

Weight	480 mg
Base Charge	RDX
Function	It creates a hole with a diameter of 9 mm. on the lead plate which has a thickness of 2 mm.

It is used for M 505 A3 fuze.



ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



DETONATOR, SKX 115

Weight	0.28 g
Base Charge	Tetryl
Sensitivity	It explodes by dropping a ball which has 3.4 g weight from the height of 500 mm.
Function	It creates a hole with a diameter of 7 mm on the lead plate which has a thickness of 4 mm.

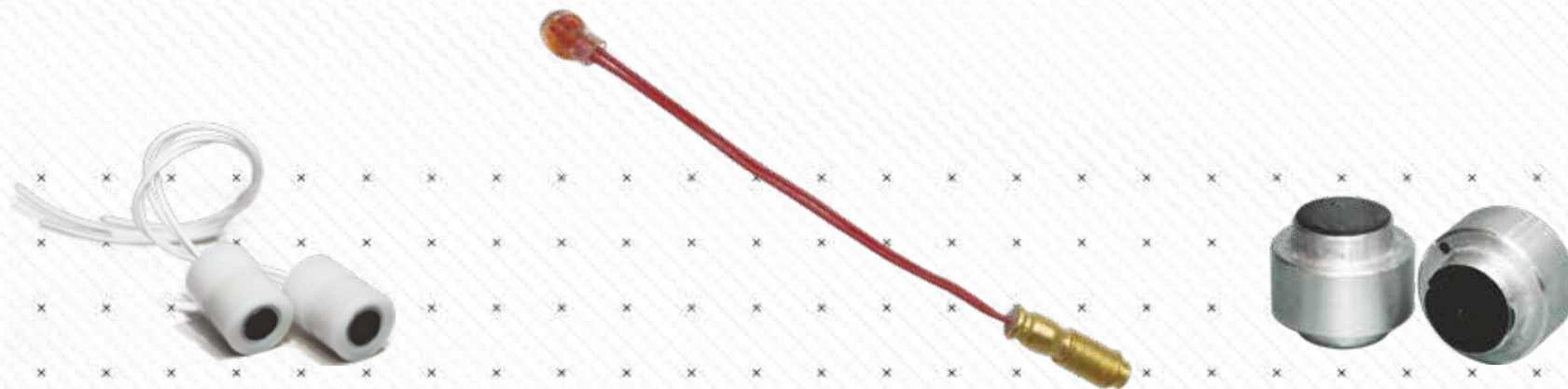
It is used in the fuze of 35 mm anti-aircraft ammunition.

VKX 440 BOOSTER

Weight	2.7 g
Base Charge	RDX
Function	It creates a hole with a diameter of 6 mm. on the lead plate which has a thickness of 8 mm.

It is used in the fuze of 35 mm anti-aircraft ammunition.

ROCKET-FUZE IGNITERS BUSTERS & DETONATORS



MKE 06 PRIMER

Body Length	12,5 mm
Length of Cable	80 mm
Diameter	9.8 mm
Case	Delrin
Electrical Resistance	2.5-3.5 Ω
No Fire Sensitivity	450 mA DC-300 sec.
All-Fire Current	700 mA-50 msec.
Explosive Amount	~ 70 mg
Blasting Power	It creates a hole with a diameter of 5 mm on the lead plate which has a thickness of 3.5 mm.
Weight	~ 2 g

It is used as an element of an ignition chain. It ignites the detonator. (such as MKE 2019 Detonator)

MKE BELLOWS ACTUATOR

Body Length	26 mm
Length of Cable	100 mm
Diameter	7,8 mm
Case	Brass
Electric Resistance	1,2-1,8 Ω
No Fire Sensitivity	180 mA-10 s
All-Fire Current	1,5 A
Weight	~ 4,5 g

It is used in the safety mechanisms of fuzes.

MKE 2019 DETONATOR

Length	9.5 mm
Diameter	9.8mm
Case	Aluminum
Blasting Power	It creates a hole with a diameter of 13 mm on the steel plate which has a thickness of 2 mm.
Weight	~ 1.3 g

It is used as an element of an ignition chain. It ignites the booster of the fuze.





WEAPON PRODUCTS



1" SIGNAL PISTOL

Weight	1000 g
Barrel Lenght	150 mm
Calibre	1"

It is used to fire 1" signal and illuminating cartridge.

MINE DEACTIVATE APPARATUS

Weight	2450 g
Case	Stainless Steel

It is used for cutting the wire of submarine mines.

WEAPON PRODUCTS



7/8" SIGNAL PISTOL

Weight	1000 g
Barrel Lenght	150 mm
Calibre	7/8"

It is used to fire 7/8" signal and illuminating cartridge.







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