



Basic Identification of Ammunition in Ukraine

V. 5.0
English
Edition
31.10.2023



BOMB TECHS WITHOUT BORDERS
ВИБУХОТЕХНІКИ БЕЗ КОРДОНІВ



Introduction

Це англійська версія «Посібник з базової ідентифікації боєприпасів в Україні В. 5.0 31.10.2023». Вона була розроблена для того, щоб допомогти українським вибухотехнікам / саперам / розмінувальникам співпрацювати з їхніми міжнародними колегами. Уся інформація в посібниках подана з максимальною відповідністю, щоб полегшити розуміння один одного під час спільної роботи.

This is the English version of “Посібник з базової ідентифікації боєприпасів в Україні В. 5.0 31.10.2023”. It has been developed in order to assist Ukrainian EOD/deminers/sappers when working with their international counterparts. All information in the guides are aligned to match as closely as possible in order to facilitate translation while working together in the field.

This guide includes only those ammunition that were discovered on the territory of Ukraine. Missing data is marked by “**INFORMATION NEEDED**”.

Check <https://ukr.bulletpicker.com/id-guides.html> for the most current Ukrainian and English versions of this guide.

If you have any questions or suggestions, please contact us

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Warnings

A solid red line around an image indicates that the item is sensitive to being moved. Familiarize yourself with the technical details of the item before conducting any actions!

A dotted red line around the image indicates that the item is sensitive to magnetic field changes, acoustic disturbances, infrared radiation (IR), etc. Do not approach these items!

A solid yellow line around the image indicates that the item is a cluster munition or submunition. Assume that more items like it may be in the area. Use a clear and proven exit route from the area.

A solid orange line around the image indicates the item contains an incendiary filler (magnesium, white phosphorus, thermite mixture, etc.).

A dotted orange line around the image indicates the presence of toxic materials (poisonous chemicals, depleted uranium, etc.).



Pictures with a clock indicates that the munition has a timer or is designed to self-destruct after a long delay. Consider that these munitions can detonate at any time without warning.

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Aerial Bombs

These are munitions dropped from aircraft or drones.

Aerial Bombs



OFAB-250-270
Diameter: 325mm
Length: 1456mm
Weight: 268 kg
Country of Origin: Russia



FAB-500 M-62
Diameter: 400mm
Length: 2470mm
Weight: 497 kg
Country of Origin: Russia



OFAB-500U
Diameter: 400mm
Length: 2300mm
Weight: 515 kg
Country of Origin: Russia



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Aerial Bombs



OFZAB-500
Diameter: 450mm
Length: 2385mm
Weight: 500 kg
Country of Origin: Russia



UPAB-1500B-E / K029BE
Diameter: 400mm
Length: ~ 5m
Weight: 1525 kg
Country of Origin: Russia



KAB-500Kr
Diameter: 350mm
Length: 3.05m
Tailfin Span: 750mm
Weight: 520 kg
Country of Origin: Russia

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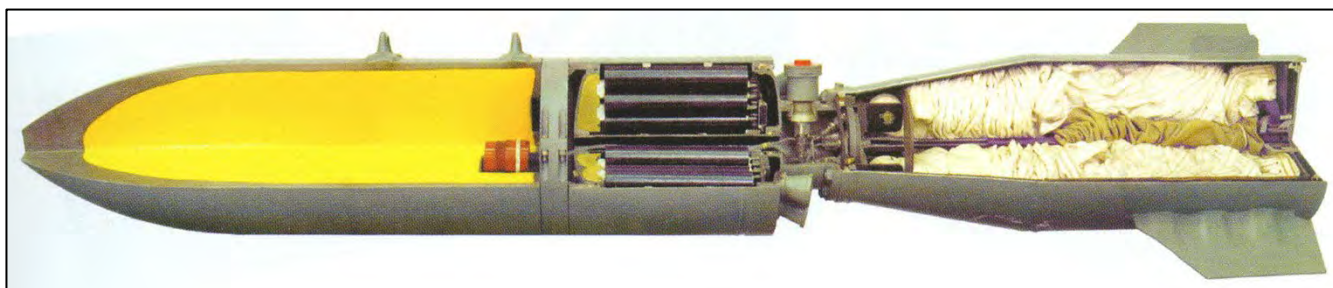
Aerial Bombs



BETAB-500
Diameter: 350mm
Length: 2200mm
Weight: 478 kg
Country of Origin: Russia



BETAB-500ShP
Diameter: 325mm
Length with Parachute Assembly: 2510mm
Weight: 380 kg
Country of Origin: Russia



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Aerial Bombs



JDAMski

This is a FAB-500 bomb modified with glide wings.

NOTE: Although ridiculous, unstable or dangerous fuzing may have been used. Take caution!

Country of Origin: Russia



Qaem-1

Diameter: 125mm

Length: 900mm

Weight: 12.5 kg

Country of Origin: Iran

[UAV Mohajer-6 / ER-860](#)



AZB-5 (incendiary)

Diameter of body: 110mm

Length without fuze: 528mm

Wingspan: 153mm

Weight: ~5 kg

Country of Origin: Russia, Ukraine



UB-75HE

Diameter: 75mm

Length: 500mm

Weight: 2 kg

Country of Origin: Ukraine

[UAV Punisher](#)

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Aerial Bombs



KAB-20 (HE-Frag)

Diameter of Body: 130mm
Length: 900mm
Wingspan: 350mm
Weight: 21 kg
Country of Origin: Russia



UAB-20 OFL (HE-Frag)

Diameter of Body: 135mm
Length: **INFORMATION NEEDED**
Wingspan: **INFORMATION NEEDED**
Weight: **INFORMATION NEEDED**
Country of Origin: Russia



[Forpost UAV](#)

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Aerial Bombs



OFSP-2.5-A133

Diameter: 60mm

Length: 380mm

Weight: 2.5 kg

Country of Origin: Russia

[FPV Drones](#)



OFSP-1.7-A133 /

OFSP-1.7-A133 (variant)

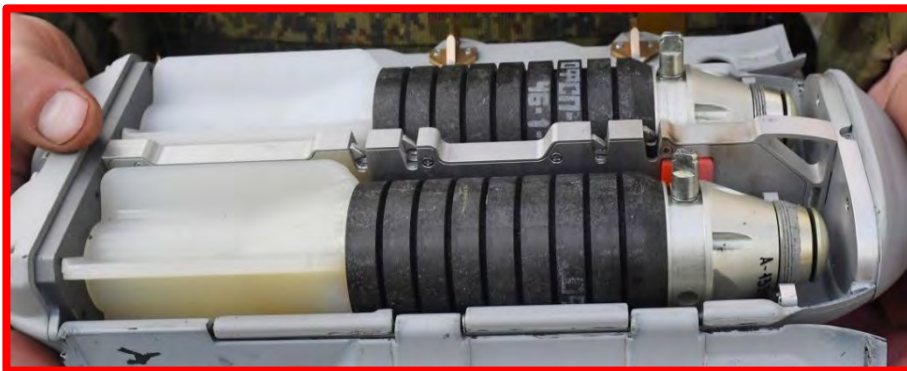
Diameter: 55mm

Length: 305 / 340mm

Weight: 1.7 kg

Note: The variants differ by the length of their tailfins.

Country of Origin: Russia



OFSP-08-A133

Diameter: 48mm

Length: 230mm

Weight: 83 kg

Country of Origin: Russia

[UAV Orlan-10](#)



OFSP-05-A133 / B133

Diameter: 48mm

Length: 190mm

Weight: 5 kg

Country of Origin: Russia

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Cluster Bombs

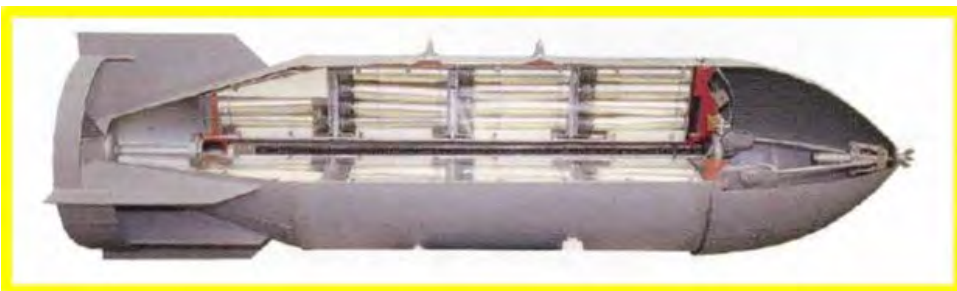
Cluster bombs are aviation bombs that contain and release smaller munitions (submunitions).

Cluster Bombs



RBK-250 PTAB-2.5M

Diameter: 325mm
Length: 2120mm
Country of Origin: USSR



RBK-500 PTAB-1M

Diameter: 450mm
Length: 1955mm
Country of Origin: USSR

OFAB-500ShR
Diameter: 450mm
Length: 2500mm
Weight: 509 kg
Country of Origin: Russia

Submunitions from OFAB-500ShR



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Cluster Bombs

RBK-500 ShOAB-0.5

Diameter: 450mm

Length: 1950mm

Wingspan: 570mm

Weight: 334 kg

Country of Origin: Russia



Submunitions

Submunitions are smaller munitions contained in larger munitions such as rockets, cluster bombs, artillery shells and mortars.

Submunitions



3B30

Diameter: 43mm
Length: 128mm
Country of Origin:
Russia



9N235/9N210

Diameter: 65mm
Length: 263mm
Country of Origin: USSR

[Hurricane, Page 2](#)



PTM-1

Length: 340mm
Width: 70mm
Height: 70mm
Country of Origin: USSR

[Hurricane, Page 2](#)



PTM-3

Length: 330mm
Width: 84mm
Height: 84mm



Note: The fuze is triggered by a change in the magnetic field.
Country of Origin: USSR

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Submunitions



PTM-4

Length: 350mm

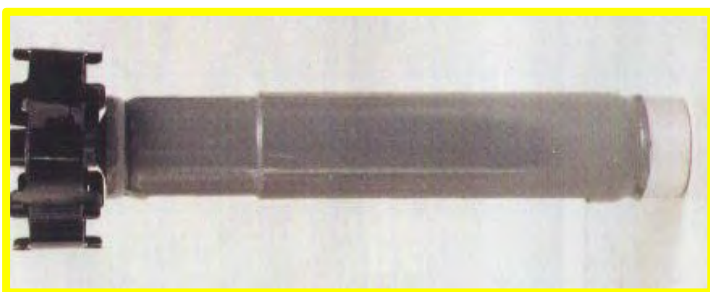
Width: 110mm

Height: 55mm

Note: The fuze is triggered by a change in the magnetic field.

Country of Origin: Russia

[KRM-T / PTM-4R](#)



PTAB-1M

Diameter: 40mm

Length: 260mm

Country of Origin: USSR



PFM-1 and PFM-1S

Length: 119mm

Width: 64mm

Thickness: 20mm
Country of Origin: USSR



[220mm](#)
[9M27K3](#)

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Submunitions



PTAB-2.5M

Diameter: 68mm

Length: 332-339mm

Country of Origin: USSR



9N24

Length: 373mm

Diameter: 88mm

Country of Origin: USSR

[Tochka-U](#)



9N247M

Length: **INFORMATION NEEDED**

Diameter: **INFORMATION NEEDED**

Country of Origin: USSR

[Hurricane](#)



9N277

Length: ~300mm

Diameter: ~190mm

Country of Origin: USSR

[Hurricane](#)

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Submunitions



9N288

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Russia

[Hurricane](#)



Submunitions from OFAB-500ShR

Diameter: ~350mm

Length of Small Submunition: ~440mm

Length of Large Submunition: ~540mm

Country of Origin: Russia

[OFAB-500ShR](#)



M42 and M46

Diameter: 38mm

Height: 81mm

Country of Origin: USA

[155mm M483A1](#)

[155mm M864](#)

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Submunitions



O-10 / 3-O-10
Diameter: 65mm
Length: 300mm
Country of Origin: Russia



O16 / 3-O-16
Diameter: 52mm
Length: 193mm
Country of Origin: Russia



152mm O-13

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Submunitions



O25 / 3-0-25

Length: **INFORMATION NEEDED**

Diameter: 44mm

Country of Origin: Russia



9N730

Length: **INFORMATION NEEDED**

Diameter: **INFORMATION NEEDED**

Country of Origin: Russia

[Iskander and Iskander-M](#)

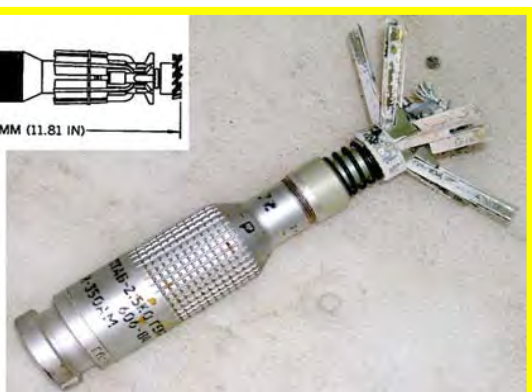
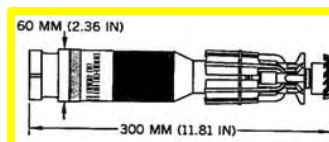


PTAB-2.5KO

Length: ~300mm

Diameter: 60mm

Country of Origin: Russia



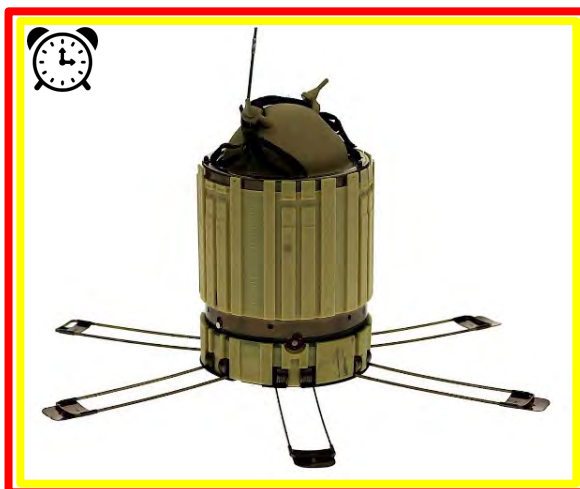
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Submunitions



ZAB-2.5
 Diameter: 68mm
 Length: 244-249mm

Note: There are 3 different variants.
 Country of Origin:
 Russia



AT2 / DM1399
 Diameter: 103.5mm
 Height of Body: 128mm
 Total Height: 580mm
 Note: The fuze is triggered by a change in the magnetic field.
 Country of Origin: Germany, Norway



Submunitions



RAAMS / M70 / M73

Diameter: 127mm

Height: 61mm

Note: The fuze is triggered by a change in the magnetic field.

Country of Origin: USA

[155mm](#)
[M718/M741](#)



SMArt

Diameter: 140-150mm

Height: 180-200mm

Country of Origin:

Germany

[155mm «DM702»](#)



ShOAB-0.5

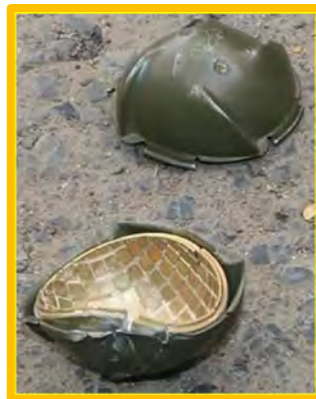
Diameter of Body: 64mm

Country of Origin:

Russia

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Submunitions



M74
Diameter of Body: 59mm
Country of Origin:
USA

MGM-140A
ATACMS



Submunition from Kh-59MK2
Diameter: **INFORMATION**
NEEDED
Country of Origin:
Russia

Kh-59MK2



AO-2.5RT and AO-2.5RTM
Diameter of Body: 90mm
Length: 150mm
Country of Origin:
Russia

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Submunitions



BONUS

Length: 141mm

Diameter: 138mm

Country of Origin: France

[155mm BONUS](#)

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Antipersonnel Grenades

Intended for harming or killing personnel.

Antipersonnel Grenades



F-1
Diameter: 55mm
Total Height: 116.8mm
Body Height: 86mm
Country of Origin: USSR



Metal Body RGD-5
Diameter: 58.4mm
Total Height: 116.8mm
Country of Origin: USSR



Plastic Body RGD-5
Diameter: 62mm
Total Height: 95mm
Country of Origin: Bulgaria

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Antipersonnel Grenades



RGN

Diameter: 60mm
Total Height With UDZ
Fuze: 114mm
Country of Origin: USSR



RGO

Diameter: 60mm
Total Height: 114mm
Country of Origin: USSR



M67

Diameter: 63.5mm
Height of Body: 65mm
Total Height: 89.6mm
Country of Origin: USA



RG-4

Diameter: 53mm
Height: 84mm
Country of Origin: Czech

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Antipersonnel Grenades



Defensive-Offensive Grenade

DM51

Dimensions of Defensive Configuration:

Diameter: 57mm

Length: 107mm

Dimensions of Offensive Configuration:

Diameter: 33.5mm

Length: 100mm

Country of Origin: Germany



DM61

Diameter: 57mm

Total Height: 103mm

Country of Origin: Germany



Sirpalekäsikranaatti M/50

Diameter: 50mm

Height of Body: 94mm

Total Height: 125mm

Country of Origin: Finland



GHO-1

Diameter: 56mm

Total Height: 95mm

Country of Origin: Bulgaria

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Antipersonnel Grenades



M72
Diameter: 52mm
Total Height: 85mm
Country of Origin: Belgium



RG-42
Diameter: 58mm
Total Height: 121mm
Country of Origin: Russia



MK 14 Mod 0 / ASM
Diameter: 64mm
Total Height: 135mm
Body Height: 112mm
Country of Origin: USA

Antipersonnel Grenades



RGT-27S2 (Thermobaric)

Diameter: **INFORMATION NEEDED**

Total Height: **INFORMATION NEEDED**

Body Height: **INFORMATION NEEDED**

Country of Origin: Ukraine



M50P3

Diameter: 54mm

Total Height: 105mm

Body Height: 78mm

Country of Origin: Serbia



OF 37

Diameter: 60mm

Total Height with M1e

F3 Fuze: 96mm

Height of Body: 83mm

Country of Origin: France

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Antitank Grenades

Intended to defeat tanks and vehicles.

Anti-tank Grenades



RKG-3

Diameter: 65mm
Total Length: 361mm
Country of Origin: USSR



RKG-3EM / RKG-3E-M

Diameter: 78mm
Total Length: 388mm
Country of Origin: Russia



BRK-M79

Diameter: 74.5mm
Total Length: 399mm
Country of Origin: Serbia

Smoke Grenades

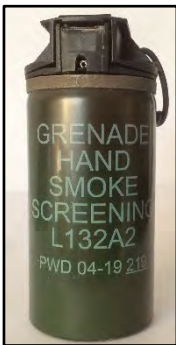
Smoke grenades are designed to quickly produce relatively large amounts of smoke. This smoke may be used to screen the movement of friendly forces, or it can be used for signaling and marking purposes.

Smoke Grenades



L84A1/A2

Diameter: 60mm
Height of Body: 101mm
Total Height: 129mm
Country of Origin:
Germany, UK



L132A2

Diameter: 54mm
Length of body: ~100mm
Total Length: ~125mm
Country of Origin: UK



DG-1 Smoke Grenade

Length: **INFORMATION NEEDED**
Diameter: **INFORMATION NEEDED**
Country of Origin: Ukraine

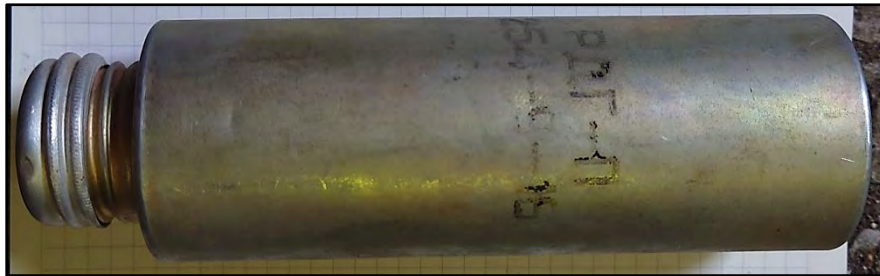


Smoke Grenade RDG-M

Length: 170mm
Diameter: 58mm
Country of Origin: Russia

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Smoke Grenades



RDG-P Smoke Grenade

Length with cap: 162mm

Diameter: 47mm

Country of Origin: Russia

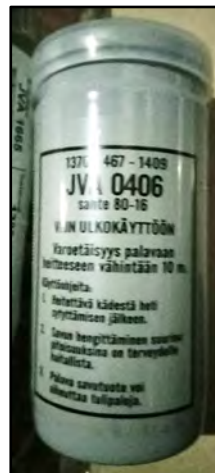
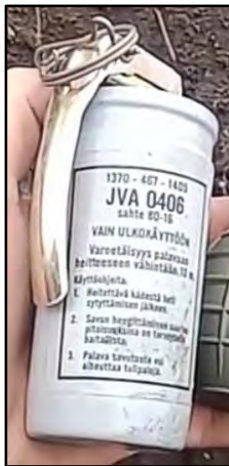


RDG-55Ch Smoke Grenade (black smoke)

Length: **INFORMATION NEEDED**

Diameter: **INFORMATION NEEDED**

Country of Origin: Ukraine



JVA 0406 (grey smoke)

Diameter: 53mm

Length: 127mm

Country of Origin: Finland



M18

Diameter: 64mm

Height of Body: 125mm

Total Height: 146mm

Note: Produces yellow, green, violet, or red smoke.

Country of Origin: USA

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Smoke Grenades



M83 TA
(White Smoke)
Diameter: 64mm
Height of Body: 125mm
Total Height: 146mm
Country of Origin: USA

Miscellaneous Grenades

Miscellaneous grenades include those that produce irritating gas, produce noise, start fires, etc.

Miscellaneous Grenades



Gas Grenade K-51
Diameter: 55mm
Height with Fuze: 130mm
Country of Origin: Russia



Gas Grenade RG-60A3
Length: 175mm
Diameter: 60mm
Country of Origin: Russia

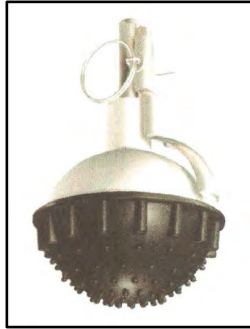


Irritant Grenade RGR
Length: 175mm
Diameter: 58mm
Country of Origin: Russia



Lachrymatory and Irritant Grenade Teren-6
Diameter: 61mm
Length of body: 145mm
Total Length: 185mm
Country of Origin: Ukraine

Miscellaneous Grenades



Flashbang Grenade Zarya-3
Diameter: 64mm
Height: 120mm
Country of Origin: USSR/Russia



ZMG
Length: 220mm
Diameter: 61mm
Country of Origin: USSR



Combined Effect Cluster Hand Grenade
RGK-60KD
Diameter: 58mm
Length: 173mm
Country of Origin: Russia



Teren-7M
Flashbang Grenade
Diameter: 49mm
Length of Body: 80mm
Total Length: 135mm
Country of Origin: Ukraine

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Antipersonnel Land Mines

Antipersonnel mines are designed to destroy or wound enemy personnel.

Antipersonnel Land Mines



PMD-6/7

Dimensions:
varies

Note: These are handmade versions based on the old Soviet models. Bodies may be made of wood, plastic, or metal.

Country of Origin: Russia



PMN

Diameter: 110mm

Height: 53mm

Country of Origin: USSR

PMN-2

Diameter: 121 mm

Height: 52 mm

Country of Origin: USSR



PMN-4

Diameter:

95mm

Height: 42mm

Country of Origin:

Russia

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Antipersonnel Land Mines



OZM-72

Diameter:

106mm

Height of Body:

150mm

Country of Origin: USSR



M18A1 Claymore

Length: 3216mm

Height of Body:

83mm

Thickness: 35mm

Country of Origin:

USA



MON-50

Length: 226mm

Height: 155mm

Width: 35mm

Country of Origin:

USSR



MON-90

Length: 345mm

Height: 202mm

Width: 153mm

Country of Origin:

USSR

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Antipersonnel Land Mines



MON-100
Diameter:
236mm
Width: 82mm
Country of Origin: USSR



MON-200
Diameter:
434mm
Height: 130mm
Country of Origin:
USSR



POB "Saw"
Height: 170mm
Diameter: 90mm
Country of Origin: Russia

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Antipersonnel Land Mines



POMZ-2M
Diameter: 60mm
Height: 111mm
Country of Origin: USSR



POM-2
Diameter: 63MM
Height: 180MM
Country of Origin: USSR/Russia



KPOM-2
Diameter: 140mm
Height: 480mm
Note: 4 mines are inside a
KPOM-2 cassette.
Country of Origin: USSR/Russia



Antipersonnel Land Mines

POM-3 "Medallion"

Length: 190mm

Diameter: 63mm

Country of Origin: USSR/Russia



KPOM-3

Length: 500mm

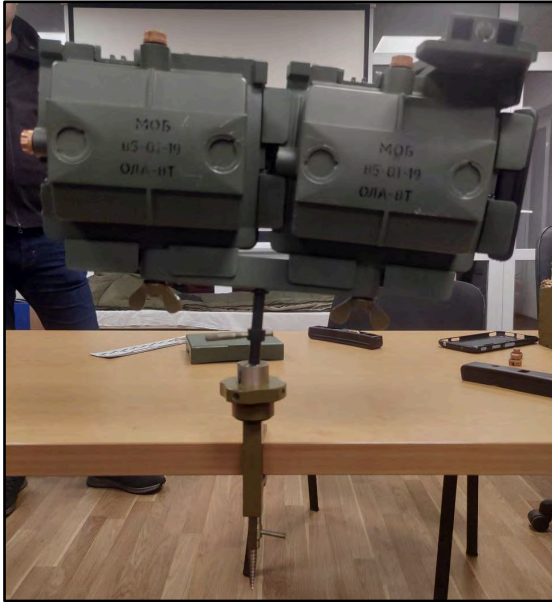
Diameter: 150mm

Country of Origin: USSR/Russia



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Antipersonnel Land Mines



МОБ

Length: **INFORMATION NEEDED**

Height: **INFORMATION NEEDED**

Width: **INFORMATION NEEDED**

Country of Origin: Russia

Antitank Landmines

Anti-tank mines are designed to destroy enemy armored vehicles, lightly armored vehicles and unarmored vehicles.

Antitank Landmines



TM-46 and TMN-46

Diameter: 304.8mm

Height: 93.98mm

Note: TMN-46 is distinguished by the presence at the bottom of the mine of a special cavity for installing a fuze, which performs the function of an anti-lifting device.

Country of Origin: USSR



TM-57

Diameter: 312mm

Height: 119mm

Note: Has a side fuze well for the installation of an additional fuze.

Country of Origin: USSR



TM-62M

Diameter: 320mm

Height: 102mm

Country of Origin: USSR



TM-62D

Width: 340mm

Length: 295mm

Height: 178mm

Note: Uses the MVP-62 and MVCh-62 Fuzes.

Country of Origin: USSR

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Antitank Landmines



TM-62P2

Diameter: 320mm

Height: 128mm

Note: Uses the MVP-62 and MVCh-62 Fuzes.

Country of Origin: USSR



TM-62P3

Diameter: 320mm

Height: 128mm

Note: Uses the MVP-62 and MVCh-62 Fuzes.

Country of Origin: USSR

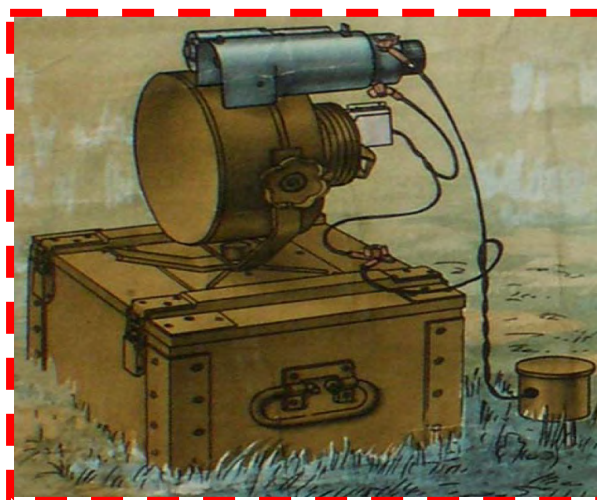


TM-72

Diameter: 250mm

Height: 80mm

Country of Origin: USSR



TM-83

Length: 455mm

Width: 377mm

Height when installed on the lid of the box: 440mm

Country of Origin: Russia

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Antitank Landmines

PTKM-1R

Height of the Mine: 510mm
Diameter of the warhead section:
220mm

Note: This mine uses a combination of acoustic and seismic sensors to activate.
Country of Origin: Russia



Antitank Landmines



HPD2A2

Width: 105mm
Length: 280mm
Height: 185mm

Note: The fuze is triggered by a change in the magnetic field.
Country of Origin: France

DM31

Height: 120mm
Diameter: 250mm

Note: The fuze is triggered by a change in the magnetic field.
Country of Origin: Germany



M-14/PK-14

Depth of the Warhead: 110mm
Diameter of the Warhead: 160mm
Country of Origin: Estonia

Antitank Landmines



PARM

Diameter: 128mm

Length: 640mm

Height: 391mm

Diameter of the Warhead: 132mm

Country of Origin: Germany



Stridsvagnsmina m/52B

Diameter: 345mm

Height without fuze:

72mm

Height with m/47 fuze:

152mm

Country of Origin:

Sweden



Pantermine M/56

Diameter:

**INFORMATION
NEEDED**

Height: **INFORMATION NEEDED**

Country of Origin: Denmark

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Antitank Landmines



MAT-76

Diameter: 320mm
Height of Body: 80mm
Height with P-62 Fuze: 135mm
Country of Origin:
Romania



MI AC AH F1

Diameter: 200mm
Length: 260mm
Country of Origin:
France

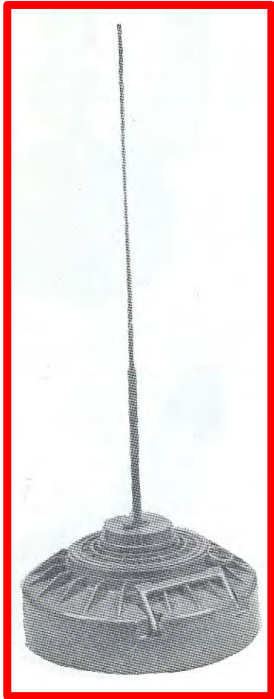


KRM-T / PTM-4R

Length: 390mm
Width: 118mm
Height: 69mm
Note: The fuze is triggered by a change in the magnetic field.
This is the hand-emplaced version of the PTM-4 mine.
Country of Origin: Russia

PTM-4

Antitank Landmines



TMRP-6

Diameter: 290mm

Height Without Tiltrod: 137mm

Height With Tiltrod: 726mm

Country of Origin:

Serbia



Boobytrap Devices

Boobytrap devices are designed to kill or wound a victim in a surprising way; they contain a small amount of explosives that may also set off a larger explosive charge.

Boobytrap Devices



ML-7

Length: 72mm

Width: 69mm

Height: 30mm

Note: Pressure-release action.

Country of Origin: USSR



ML-8

Length: 112mm

Width: 58mm

Height: 38mm

Note: Pressure-release action.

Country of Origin: USSR



MS-3

Height: 65mm

Diameter: 110mm

Note: Pressure-release action.

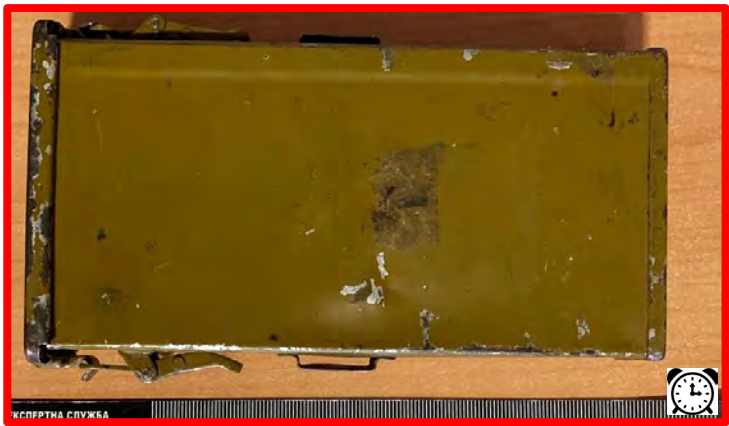
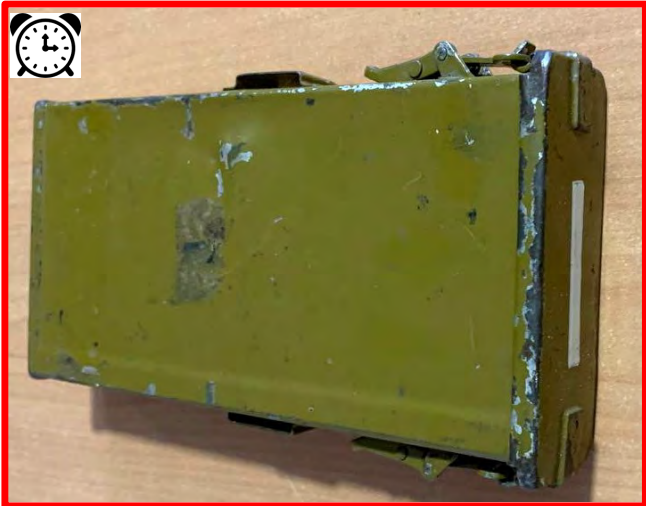
Country of Origin: USSR

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Boobytrap Devices



MS-4
Height: 31mm
Width: 92mm
Length: 155mm
Country of Origin: USSR



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Sea/River Mines

Sea and river mines are placed in the water to damage submarines, surface ships and enemy ships, as well as to complicate their movement.

Anti-landing Mines



YaRM

Diameter: 275mm



Height Without Fuze: 510mm

Height With Fuze: 900mm

Country of Origin: Russia/Ukraine



PDM-1M

Diameter: 800mm

Height Without Fuze: **INFORMATION NEEDED**

Height With Fuze: 1m

Country of Origin: Russia/Ukraine



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Anti-landing Mines



PDM-4 / KPDM-4

Diameter of Mines: 137mm
Diameter of Cassette: 140mm
Height of Mine: 447mm
Height of Cassette: 480mm



The fuze is triggered by a change in the magnetic field.
Country of Origin: Russia

Special Mines

Special mines are used for sabotage or other unusual purposes.

Limpet Mines



SPM

Height: 75mm

Width: 115mm

Length Without Fuze: 280mm

Length With Fuze: **INFORMATION
NEEDED**

Note: Uses the VZD-1M Fuze.

Country of Origin: Russia/Ukraine

Signal Mines

Signal mines are used to alert the presence of enemy forces. Although they are not specifically designed to wound or kill, they are pyrotechnic devices that can still cause burn injuries.

Signal Mines



M49A1

Diameter:
38mm

Height: 119mm

Note: Tripwire with pull or tension-release action.

Country of Origin: USA



SM Signal Mines

Diameter: 25mm

Length: 278mm

Note: Used with the MUV-series fuzes. White, green and red-colored models are available.
Country of Origin: Russia, Ukraine

Mortar (Projectiles)

Mortar projectiles are designed to destroy and suppress enemy personnel and vehicles.

Mortars, 60mm



60mm O-LM60

(HE)

Length:

**INFORMATION
NEEDED**

Note: Uses the ZGM fuze.

Country of Origin: Poland



60mm J-M49A2

Length with Fuze: 244mm

Note: Uses the US M525-series Fuzes.

Country of Origin: USA/Japan



60mm HE60 MA

(HE-Frag)

Length with AF621 Fuze: 314mm

Length without Fuze: 254mm

Country of Origin: Bulgaria



60mm HE60

(HE-Frag)

Length with O-4M or O-4N Fuze: 310mm

Length without Fuze:

INFORMATION NEEDED

Country of Origin: Bulgaria



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Mortars, 60mm



60mm Iranian Mortar
Length with Fuze: 265mm
Country of Origin: Iran



60mm UB60 (Fragmentation)
Length with M68P1 Fuze: 244mm
Country of Origin: Ukraine



60mm M768A1
(HE)
Length with M783A1 Fuze:
376.9mm
Country of Origin: USA



60mm M73
(HE)
Length with UT M68P1 Fuze:
286mm
Country of Origin: Serbia



60mm Chinese Mortar
(Fragmentation)

Length with Fuze:
INFORMATION NEEDED
Country of Origin: China



Mortars, 60mm



60mm GE M/972

(HE-Frag)

Length Without Fuze: **INFORMATION NEEDED**

Length with DM 111 A2 Fuze:

INFORMATION NEEDED

Country of Origin: Portugal

Mortars, 82mm



82mm O-832 (Fragmentation)

Length without Fuze:
277mm
Country of Origin: USSR



82mm O-832DU (Fragmentation)

Length without Fuze:
278mm
Country of Origin: Russia



82mm O-832-DU (Fragmentation)

Length without Fuze:
278mm
Country of Origin:

INFORMATION NEEDED



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Mortars, 82mm



82mm HE 82 (HE-Frag)

Length with Fuze: 332.6mm
Note: Uses the O-4M and O-4N
Fuzes.
Country of Origin: Bulgaria



82mm HE 82 M (HE-Frag)

Length with Fuze:
AF611: 345mm
AF67: 355mm
Country of Origin: Bulgaria



82-mm Ukrainian-produced Mortar

Length without Fuze:
INFORMATION NEEDED
Country of Origin: Ukraine



82mm 3V035E

Length with Fuze: **INFORMATION NEEDED**
Country of Origin: Russia

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Mortars, 82mm



82mm S-832S
(Illumination)

Length without Fuze: 293mm
Country of Origin: Russia



82mm D-832DU
(Smoke)

Length without Fuze: 276mm
Country of Origin: Russia

Mortars, 120mm



120mm D-5 Mortar
(Smoke)

Length without Fuze:
603mm
Country of Origin: USSR



120mm OF-843B Mortar
(HE-Fragmentation)

Length without Fuze:
603mm
Country of Origin: USSR



120mm Illumination Mortar

Length without Fuze:
603mm
Country of Origin: USSR



120mm HE-843B
(Fragmentation)

Length without Fuze:
600mm
Length with Fuze:
674mm

Note: Used with M-12
Fuze.

Country of Origin: Sudan,
Bulgaria



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Mortars, 120mm

120mm OF34 (Fragmentation)

Length with M-12 Fuze: 733.5mm

Country of Origin: Russia



120mm OF36 (Fragmentation)

Length with M-12 Fuze: 733.5mm

Country of Origin: Russia



120mm M/50

(Fragmentation)

Length without Fuze: 555mm

Country of Origin: Denmark



120mm M933A1

(Fragmentation)

Length without Fuze: 643mm

Country of Origin: USA

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Mortars, 120mm



120mm M1101 (Fragmentation)

Length without Fuze: **INFORMATION NEEDED**

Country of Origin: USA



120mm M48 (Fragmentation)

Length with AZ111-A2 Fuze: 580mm

Country of Origin: Iran



120mm Incendiary Mortar

Length without Fuze: 603mm

Country of Origin: USSR



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Mortars, 120mm

120mm M44A2 (Fragmentation)

Length with V19PA2 Fuze: 676mm

Country of Origin: Pakistan

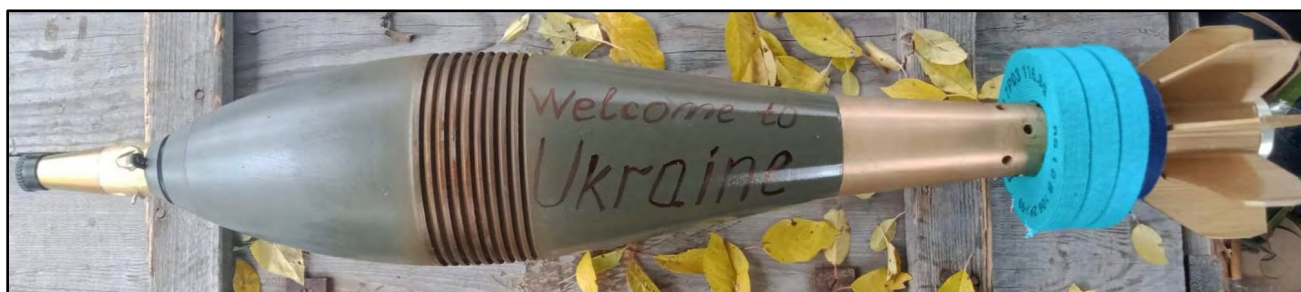


120mm JVA 1571 (HE-Frag)

Length without Fuze: **INFORMATION NEEDED**

Note: Uses the JVA 7575 PD fuze

Country of Origin: Finland



120mm M971 (HEAT Submunitions)

Length without Fuze: 767mm

Length with Fuze: 827mm

Tailfin Span: 270mm

Country of Origin: Israel

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Mortars, 120mm



120mm OF-NMR
(Rocket-assisted HE-FRAG)

Length without Fuze: **INFORMATION NEEDED**

Length with Fuze: **INFORMATION NEEDED**

Country of Origin: Poland



120mm HE120 (Fragmentation)

Length without Fuze: **INFORMATION NEEDED**

Length with AF69 Fuze: 674mm

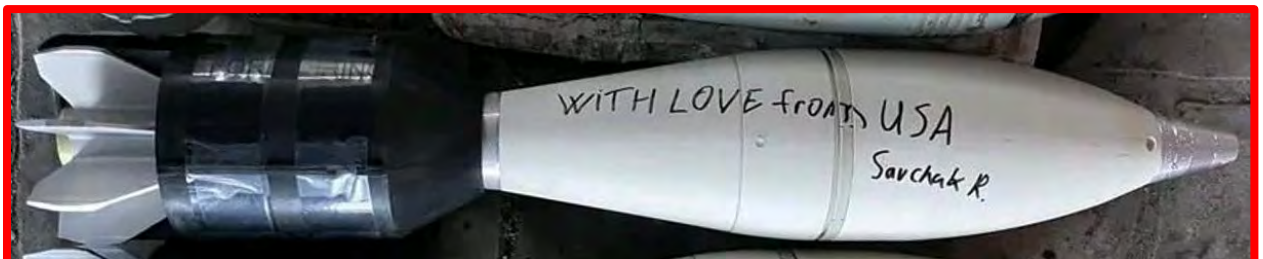
Country of Origin: Bulgaria



120mm M930 (Illumination)

Length with M776 Fuze: 703mm

Country of Origin: USA



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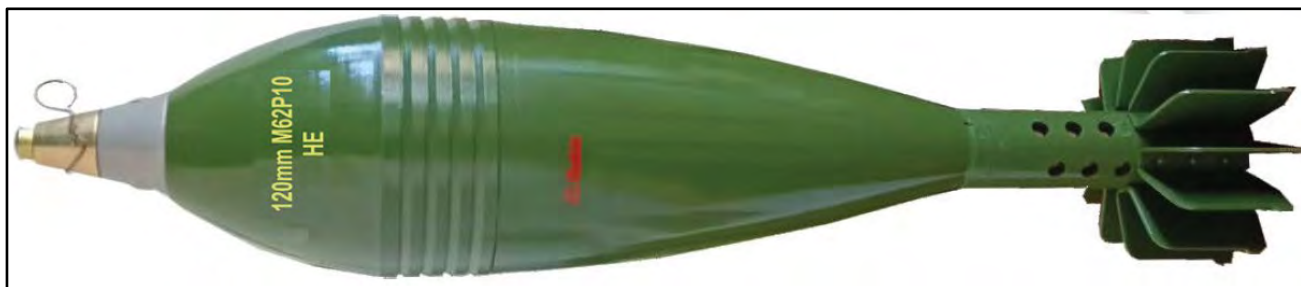
Mortars, 120mm

120mm M62P10

(Fragmentation)

Length with UT M68P1 Fuze: 593mm

Country of Origin: Serbia



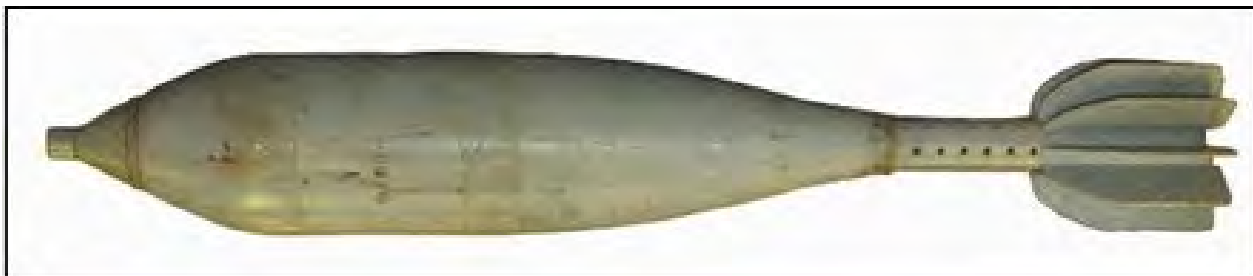
Mortars, 240mm

240mm F-864

(HE-Frag)

Length with Fuze: 1560mm

Country of Origin: Russia



240mm 3VF2/3F2

(HE)

Unfired Length: 2678mm

Fired Length: 2348mm

Note: Uses the 3F3 HE warhead.

Country of Origin: Russia

Projectiles

Projectiles serve to destroy the enemy's manpower, suppress tanks and other targets, destroy defensive structures, and perform other important artillery tasks.

Projectiles, 12.7-20mm



12.7mm MDZ
(HE-Incendiary)

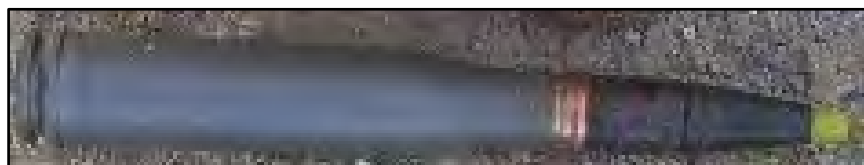
Projectile Length: 66mm
Cartridge Length: 108mm
Country of Origin: USSR



14.5mm MDZ-M
(HE-Incendiary)

Projectile Length: 70.65mm
Cartridge Length: 155mm
Country of Origin: USSR

Projectiles, 23mm



**23mm BZ (AP-T) and
BZT (API-T)**

Projectile Length: 108.2mm
Cartridge Length: 234.95mm
Country of Origin: USSR



23mm OFZ (HEI)

Projectile Length: 109mm
Cartridge Length: 204mm
Country of Origin: USSR



23mm OFZT (HEI-T)

Projectile Length: 109mm
Cartridge Length: 236mm
Country of Origin: USSR



23mm Cartridge for the R-23 "Rikhter" Gun

Projectile Length: 109mm
Cartridge Length: 260mm
Cartridge Diameter: 27mm
Country of Origin: Russia



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Projectiles, 30mm



30mm VOG-17M
(Fragmentation, Projected Grenade)

Projectile Length: 113mm
Total Length: 131.8mm
Country of Origin: USSR



30mm VOG-30D
(Fragmentation, Projected Grenade)

Projectile Length: 113mm
Total Length: 132mm
Country of Origin: USSR



30mm RHV-HEF
(Projected Grenade, Fragmentation)

Projectile Length: **INFORMATION NEEDED**
Total Length: 133mm
Note: Uses the AF35 Fuze.
Country of Origin: Bulgaria



30mm M93 P1
(Projected Grenade, HE)
Projectile Length: **INFORMATION NEEDED**

Total Length: 132mm
Country of Origin: Serbia

Projectiles, 30mm



30mm BZT

(API-T)

Projectile Length: ~144mm

Cartridge Length: 266mm

Country of Origin: USSR

Projectiles, 35mm



35mm DM31

(HE-T)

Projectile Length: 228mm

Total Length: 387mm

Country of Origin: Germany

Projectiles, 37mm



37mm BZT (API-T)

Projectile Length: 155.7mm

Cartridge Length: 384mm

Country of Origin: USSR



37mm OR-167 and

OR-167N

(HE-T)

Projectile Length:

173.99mm Cartridge

Length: 382mm Country of

Origin: USSR



Projectiles, 40mm



40mm VOG-25
(Fragmentation, Projected Grenade)

Length: 120.37mm
Country of Origin:
USSR/Bulgaria



40mm VOG-25P
(Bounding Fragmentation, Projected Grenade)

Length: 120mm
Note: Uses the VMG-P fuze.
Country of Origin:
USSR/Bulgaria



40mm VOG-25PM (7P45)
(Bounding Fragmentation, Projected Grenade)

Length: 107mm
Country of Origin:
Russia



40mm VOG-25M
(Fragmentation, Projected Grenade)

Length: 107mm
Country of Origin: USSR
/Bulgaria

Projectiles, 40mm



40mm RLV-HEFJ
(Bounding Fragmentation, Projected Grenade)
Length: 105.8mm
Country of Origin: Bulgaria



40mm RLV-HEF
(Fragmentation, Projected Grenade)
Length: 102.6mm
Note: uses the AF41 fuze.
Country of Origin: Bulgaria

Projectiles, 40mm

40mm M430 and M430A1

Length with Fuze: 79.8mm
Length with Fuze and Cartridge:
112.1mm

Note: Used with M549 and M549A1 Fuzes
Country of Origin: USA



40mm M433

Length with Fuze: 82mm
Length with Fuze and Cartridge: 102.9mm
Note: Used with M550 Fuze.
Country of Origin: USA



40mm DM121

Length: 53mm
Length with Fuze and Cartridge:
112mm
Note: Uses AZ-Z DM451 Fuze.
Country of Origin: Germany



40mm DM42

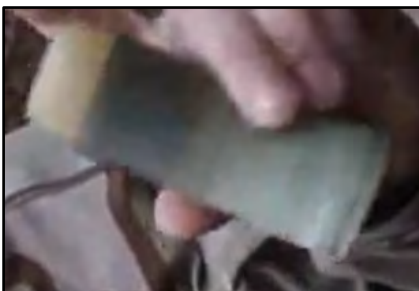
Length: 53mm
Length with Fuze and Cartridge:
112mm
Note: Uses AZ-Z DM451 Fuze.
Country of Origin: Germany

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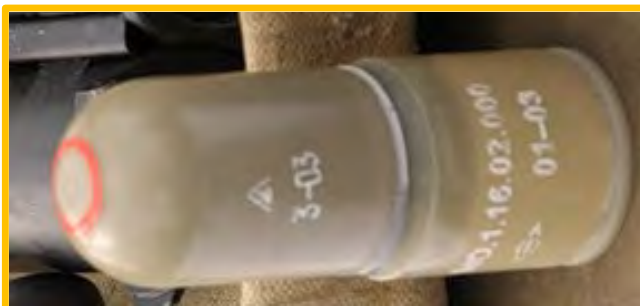
Projectiles, 43mm



43mm VGM93.200
(Gas)
Length: 120mm
Country of Origin: Russia



43mm VGM93.900
(Fragmentation)
Length: 120mm
Country of Origin: Russia



43mm MO.1.16.02
(Thermobaric)
Length: 120mm
Country of Origin: Russia

Projectiles, 57mm



57mm OR-281
(HE-T)

Length with Fuze: 259.21mm
Length without Fuze: 210.7mm
Country of Origin: USSR



57mm OR-281U (HE-T)

Length with Fuze: 261.37mm
Length without Fuze: 214.63mm
Country of Origin: USSR

Projectiles, 73mm

73mm OG-9, OG-9M, OG-15B, and OG-15VB

Length: 724.54mm

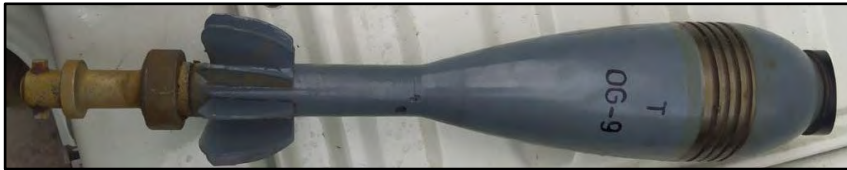
Country of Origin: USSR, Bulgaria



73mm Romanian OG-9

Length without Fuze: 385mm

Country of Origin: Romania



73mm HEAT PG-9, PG-9S, and PG-15

Length of PG-9: 787.4mm

Length of PG-9S: 773.44mm

Country of Origin: USSR, Bulgaria



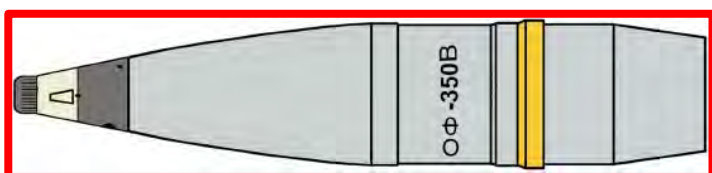
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Projectiles, 76-82mm



76mm BZR-350B (APHE-T)

Length: 303.76mm
Note: Uses the MD-5 fuze.
Country of Origin: USSR



76mm OF-350V (HE-Frag)

Length with Fuze: 366mm
Length without Fuze: 307mm
Note: Uses KTM-1, RGM-2, V-429
fuzes.
Country of Origin: USSR

76mm BK-354M (HEAT)

Length with Fuze: 545mm
Length without Fuze: 466mm
Country of Origin: USSR



82mm BK-881 and BK-881M (HEAT)

Length with Fuze: 683.51mm
Length without Fuze: 608.83mm
Country of Origin: USSR



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Projectiles, 85mm



85mm BR-365P (HVAP-T)

Length: 256.46mm
Country of Origin: USSR



85mm PBR-367

(AP-T Practice)

Length: 266.7mm
Note: Training version of the BR-367.
Country of Origin: USSR



85mm BR-365

(APHE-T)

Length: 291.27mm
Note: Uses the MD-8 fuze.
Country of Origin: USSR

Projectiles, 100mm



100mm OF32 (HE-Frag)

Length with Fuze: 430mm
Length with Cartridge: 530mm
Note: Uses the V-429 fuze.
Country of Origin: USSR



100mm BK16M (HEAT)

Length of Projectile with Fuze:
581mm
Length of Projectile and Fuze
with Cartridge: 1090mm
Country of Origin: Russia

100mm OF35 (HE-Frag)

Length with Cartridge: 1284mm
Country of Origin: Ukraine, Russia



Projectiles, 105mm

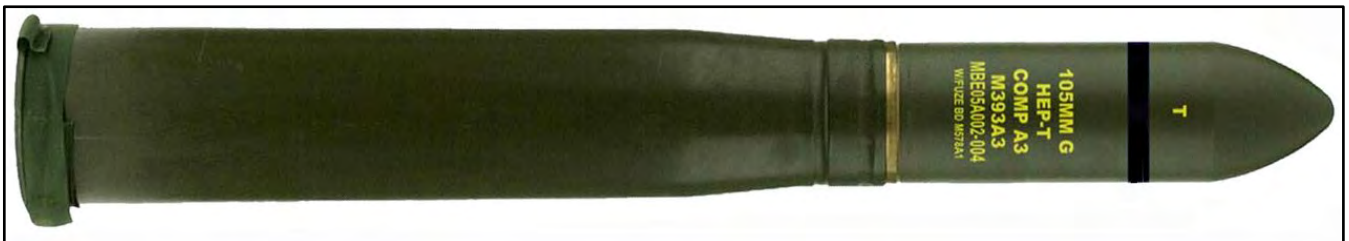


105mm M927
(Rocket-assisted HE-Frag)
Length without Fuze: 539mm
Note: Uses the M739A1 Fuze.
Country of Origin: USA

105mm M1
(HE-Frag)
Length of Projectile: 400mm
Length with Cartridge: 725mm
Note: Uses the M739A1 Fuze.
Country of Origin: USA



105mm M393A3
(HEP)
Length of Projectile: 490mm
Length with Cartridge: 940mm
Country of Origin: USA



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Projectiles, 115mm



115mm Projectile
(APFSDS-T)

Length: 515mm
Note: Contains a tracer element.
Country of Origin: USSR



115mm BK-4M (HEAT)

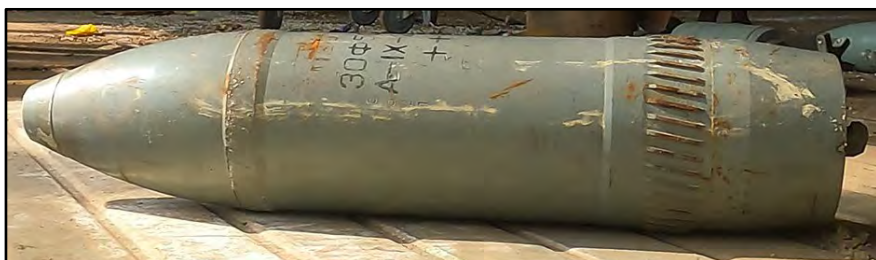
Length with Fuze: 634mm
Country of Origin: USSR

Projectiles, 120mm



120mm 3OF49 (HE-Frag)

Length of Projectile: 545mm
Length with Fuze: 620mm
Note: Uses the 3V35 fuze.
Country of Origin: USSR



120mm 3OF50 (Rocket-assisted HE-Frag)

Length of Projectile: 550mm
Country of Origin: USSR



120mm 3BK19 (HEAT)

Length of Projectile: 665mm
Country of Origin: USSR



120mm DM11 (HE-Frag)

Length of Projectile: 570mm
Length with Cartridge:
INFORMATION NEEDED
Country of Origin: Germany



120mm DM53/DM53A1 (APFSDS)

Length of Projectile: 745mm
Length with Cartridge:
INFORMATION NEEDED
Country of Origin: Germany

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Projectiles, 120mm



120mm IM HE-T
(HE)

Length of Projectile:

INFORMATION NEEDED

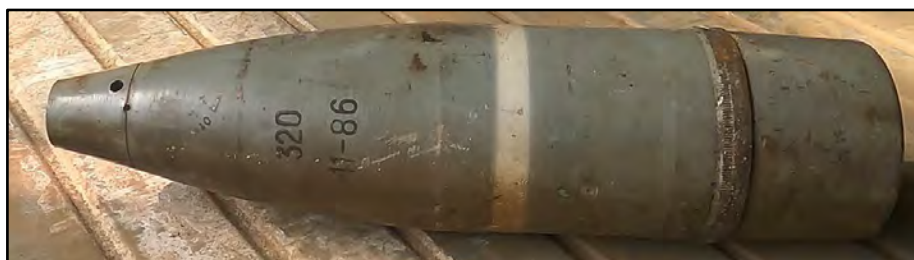
Length with Cartridge: 943mm

Country of Origin: Germany

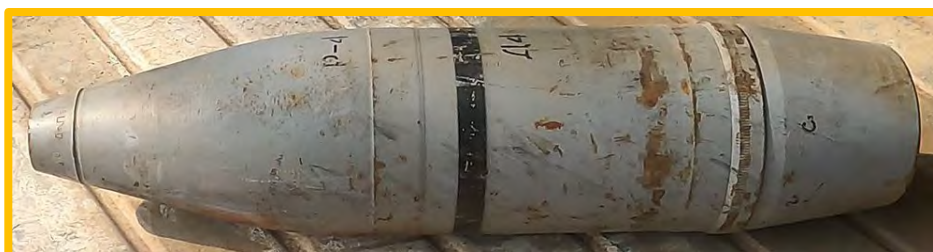
Projectiles, 122mm



122mm Sh-1 (Flechette)
Length of Projectile: 455mm
Country of Origin: USSR



122mm S4Zh (Illumination)
Length of Projectile: 470mm
Country of Origin: USSR



122mm D-4 (Smoke)
Length of Projectile: 500mm
Country of Origin: USSR



122mm OF56 and OF56-1 (HE-Frag)
Length of Projectile: 501mm
Country of Origin: USSR

Projectiles, 122mm



122mm OF24Zh
(HE-Frag)

Length of Projectile: 500mm
Country of Origin: Russia



122mm BK13
(HEAT)

Length of projectile: 637mm
Note: Uses the V-15 PIBD fuze.
Country of Origin: Russia



122mm A1 (A1Zh and A1ZhD)
(Propaganda)

Length of Projectile: 420mm
Country of Origin: Russia/Ukraine



122mm P1A1 (HE-Frag)

Length of Projectile:
INFORMATION NEEDED
Country of Origin: Pakistan

Projectiles, 122mm



122mm Kitolov-2M
(HE-Frag)

Length of Projectile: 1190mm

Country of Origin: Russia

Projectiles, 125mm



125mm BM15
(BM18 Cartridge)

Length of Unfired Round:
INFORMATION NEEDED
Country of Origin: Russia



125mm BM22
(BM23 Cartridge)

Length of Unfired
Round: 610mm
Country of Origin:
USSR



125mm BM26-1
(BM27-1 Cartridge)

Length of Unfired Round:
610mm
Country of Origin: USSR



125mm BM42
(BM44 Cartridge)

Length of Unfired Round:
621mm
Country of Origin: Russia

Projectiles, 125mm



125mm OF26 (HE-Frag)

Length without Fuze:
616mm

Country of Origin: USSR



125mm BK12M (HEAT)

Length with Fuze: 677mm
Length without Fuze:

INFORMATION NEEDED

Country of Origin: USSR



125mm BK14M (HEAT)

Length with Fuze: 677mm
Length without Fuze: 600mm
Country of Origin: USSR



125mm BK18M (HEAT)

Length with Fuze: 660mm
Length without Fuze: 600mm
Country of Origin: USSR



125mm M86 (HE-Frag)

Length with UTIU M85 Fuze:
676mm

Length without Fuze:

INFORMATION NEEDED

Country of Origin: Serbia

Projectiles, 130mm



130mm BR-482B
(APHE)

Length without Fuze: 475.23mm

Length with Fuze: 496.06mm

Note: Uses DBR and DBR-2 fuzes.

Country of Origin: USSR



130mm M-46

Length without Fuze: 609.85mm

Country of Origin: Ukraine

Projectiles, 152mm



152mm OF22
(Rocket-assisted HE-Frag)
Length with Fuze: 754mm
Note: Uses the RGM-2 fuze.
Country of Origin: Russia



152mm OF25
(HE-Frag)
Length without Fuze: 650mm
Note: Uses the RGM-2 fuze.
Country of Origin: USSR



152mm OF29
(HE-Frag)
Length without Fuze: 662mm
Note: Uses the RGM-2 fuze.
Country of Origin: USSR



152mm OF45
(HE-Frag)
Length without Fuze:
INFORMATION NEEDED
Length with RGM-2 fuze:
864mm
Country of Origin: USSR



152mm OF64
(HE-Frag)
Length without Fuze: 802mm
Length with V-429 Fuze:
860mm
Country of Origin: Russia

Projectiles, 152mm



152mm OF540 (HE-Frag)

Length without Fuze: 650mm
Country of Origin: **INFORMATION NEEDED**



152mm BP540 (HEAT)

Length without Fuze: 531mm
Country of Origin: Russia



152mm S6 and S6-1 (Illumination)

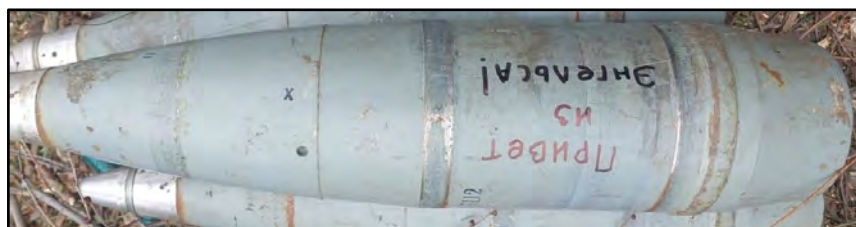
Length without Fuze:
INFORMATION NEEDED
Note: Uses T-90 Fuze.
Country of Origin: Russia



152mm O-13 (Fragmentation Submunitions)

Length without Fuze:
664mm
Note: Uses DTM-75 fuze.
Country of Origin: USSR

[O16 / 3-O-16](#)



152mm Sh-2 (Flechette)

Length without Fuze:
703mm
Note: Uses DTM-75 fuze.
Country of Origin: Russia

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Projectiles, 152mm



152mm Ukrainian-produced Projectiles

(Fragmentation)

Length without Fuze:

INFORMATION NEEDED

Country of Origin: Ukraine



152 and 155mm "Krasnopol" Projectiles

Length: Depending on the modification, from 960 to 1305mm.

Country of Origin: Russia

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Projectiles, 155mm

155mm M825 and M825A1 (Smoke)



Length without Fuze:
M825: 803mm
M825A1: 790mm
Length with Fuze:
M825: 899mm
M825A1: 886mm
Country of Origin: USA



155mm M795 (HE)

Length without Fuze:
748mm
Country of Origin: USA



155mm M549 and M549A1

(Rocket-assisted HE-Frag)



Length without Fuze:
858mm
Country of Origin: USA

[Return to Table of Contents](#)

Projectiles, 155mm



155mm M982/M982A1

Excalibur
(HE, Guided)

Length without Fuze:
995.68mm

Country of Origin: USA



155mm M718 (HEAT Submunitions)

Length without Fuze: 803mm

Length with M557 Fuze: 899mm

Country of Origin: USA

[RAAMS / M70 / M73](#)



155mm M741 (HEAT Submunitions)

Length without Fuze: 803mm

Length with M557 Fuze: 899mm

Country of Origin: USA

[RAAMS / M70 / M73](#)

[Return to Table of Contents](#)

Projectiles, 155mm



155mm M107 (HE)
Length without Fuze:
606.81mm
Country of Origin: USA,
Slovakia



155mm OFd MKM (HE)
Length without Fuze: 818mm
Note: Uses the KZ984 fuze.
Country of Origin: Slovakia



155mm M107 R-155-M-107 (HE)
Length without Fuze: 605mm
Country of Origin: Spain



155mm BONUS (HEAT Submunitions)
Length without Fuze: 898mm
Country of Origin: France

BONUS

[Return to Table of Contents](#)

Projectiles, 155mm



155mm DM702

(HEAT Submunitions)

Length with Fuze: 898mm

Country of Origin: Germany

[SMArt](#)



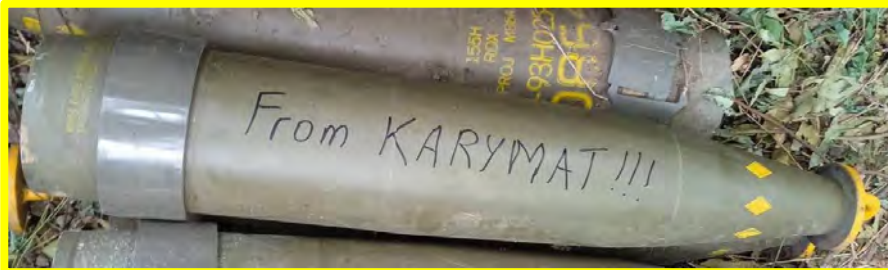
155mm M483A1

(HEAT Submunitions)

Length without Fuze: 803mm

Country of Origin: Turkey

[M42 and M46](#)



155mm M864

(HEAT Submunitions)

Length without Fuze: 802mm

Length with M577 or M762 Fuze:

920mm

Country of Origin: USA

[M42 and M46](#)



155mm Vulcano GLR

(HE-Frag, Guided)

Diameter of Body After Firing:

INFORMATION NEEDED

Wingspan: **INFORMATION NEEDED**

Unfired Length: **INFORMATION NEEDED**

Fired Length: **INFORMATION NEEDED**

Country of Origin: Italy/Germany

[Return to Table of Contents](#)

Projectiles, 203mm



203mm OF43

(HE-Frag)

Length without Fuze: 890mm

Country of Origin: Russia/Ukraine



203mm M106

(HE-Frag)

Length without Fuze: 798mm

Country of Origin: USA



203mm G-620Sh

(HE-Frag)

Length: 873mm

Country of Origin: USSR

Multiple Launch Rocket Systems (MLRS)

Multiple Launch Rocket Systems (MLRS) - one of the types of artillery systems, intended for defeating exposed and hidden enemy personnel, unarmored vehicles and armored personnel carriers, concentrated areas of artillery and mortar batteries, command posts and other targets, as well as for conducting remote mining of terrain.

122mm MLRS 9K51 "Grad"



9M22S



9N510



180 x ML-5



9M22U



9M28D/9N511



Leaflets



9M53F



9N517F



[Return to Table of Contents](#)

122mm MLRS 9K51 "Grad"

Page 2

Yarmuk



Grad 2000 / G2000



220mm MLRS 9K57 "Hurricane"



9N277



9N247M



9N288



9M27F / 9N128F



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220mm MLRS 9K57 "Hurricane" Page 2

9M27K



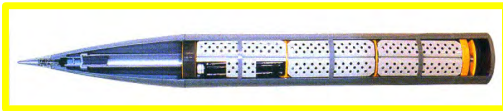
9N128K



9N235/9N210



9M27K2



9N28K2



PTM-1



9M27K3



9N128K3



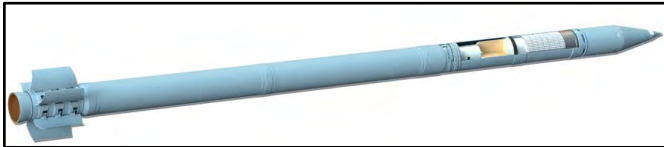
PFM-1S



300mm MLRS 9K58 "Smerch"



9M528



????



Rockets and Launchers

Rockets are munitions that move with the help of a rocket or jet engine, in which thrust is created as a result of burning fuel throughout the flight. They often have fins for stabilization. Also, a good visual indicator of such a rocket is the presence of one or more venturi (nozzles) in the rear part of the munition.

Rockets and Launchers, 57mm



57mm S-5K

(HEAT)

Length: 873.8mm

Warhead Length: 121.9mm

Note: Uses the V-5K PIBD fuze.

Country of Origin: USSR



57mm S-5KPB (HEAT)

Length: 1.8m

Note: Uses the V-5KP PIBD fuze.

Country of Origin: USSR



57mm S-5KO

(HEAT)

Length with Fuze: 941mm

Length without Fuze: 819mm

Note: Uses the V-5K PIBD fuze.

Country of Origin: Russia/Ukraine

Rockets and Launchers, 70mm



70mm Hydra-70

Length: ~1.4m

Note: These rockets are made of different combinations of fuze, warhead, and rocket motor. The known version in Ukraine is comprised of the M423 or M427 fuze, M151 HE warhead, and MK 66 rocket motor.

Country of Origin: USA

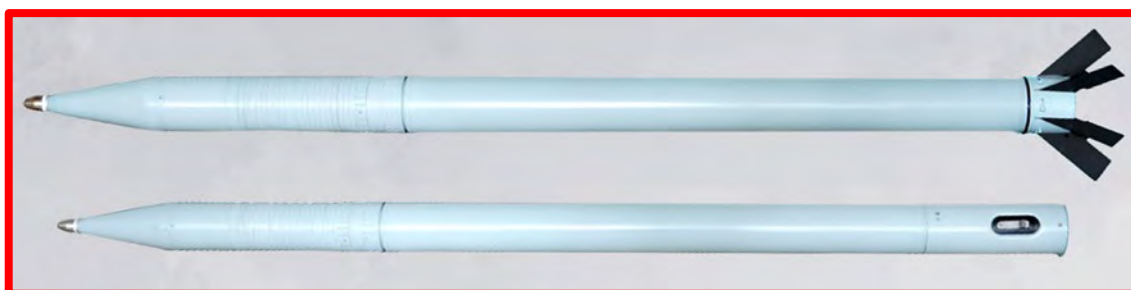
Rockets and Launchers, 80mm



80mm S-8KOM

Length with Fuze: ~1550mm

Country of Origin: Russia



80mm RS-80KO

Length with Fuze: ~1595mm

Country of Origin: Ukraine



80mm UAR-80VMZ

Length with Fuze: **INFORMATION NEEDED**

Note: Uses the V-5KP1 PIBD fuze.

Country of Origin: Bulgaria

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Rockets and Launchers, 80mm



80mm ARS-8KOM

Length with AF82 Fuze: 1542mm

Country of Origin: Bulgaria

Rockets and Launchers, 82mm

82mm OG-82 (HE-Fragmentation)

Length without Fuze: 623mm

Country of Origin: USSR



82mm PG-82 (HEAT)

Length without Fuze: 694mm

Country of Origin: USSR



Rockets and Launchers, 122mm

9M22S

Diameter: 122mm

Length: 2970mm

Note: Uses the 9N510 warhead, which contains 180 incendiary elements.

Country of Origin: USSR



[Grad](#)

[ML-5](#)

9M22U

(HE-Frag)

Diameter: 122mm

Length: 2870mm

Country of Origin: Russia, Bulgaria

[Grad](#)



9M28D/9N511

Diameter: 122mm

Length: **INFORMATION NEEDED**

Note: Contains leaflets, propaganda material.

Country of Origin: Russia

[Grad](#)

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Rockets and Launchers, 122mm



9M53F/9N517F
Diameter: 122mm
Length: 3037mm
Country of Origin:
USSR

[Grad](#)



122mm Yarmuk
(HE-Frag)
Diameter: 122mm
Length: 2875mm
Country of Origin:
Pakistan

[Grad Page 2](#)

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Rockets and Launchers, 122mm



122mm Grad 2000 / G2000
(HE-FRAG)
Diameter: 122mm

Length: 2875mm
Country of Origin:
Serbia

[Grad Page 2](#)

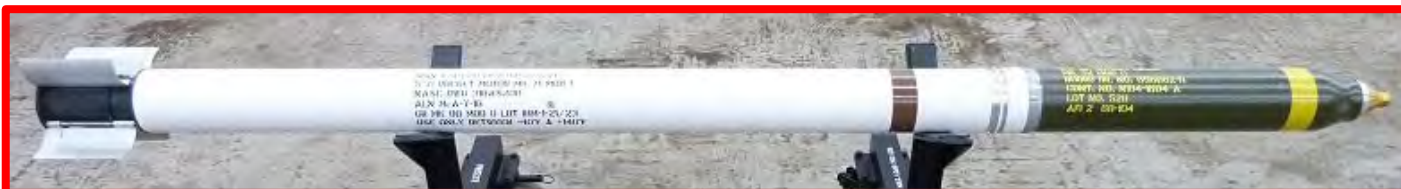
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Rockets and Launchers, 127-150mm

127mm Zuni

Length: ~2.6m

Note: These rockets are made of different combinations of fuze, warhead, and rocket motor. The known version in Ukraine is comprised of the MK 188 Mod 0 fuze, MK 32 Mod 0 anti-tank/antipersonnel warhead, and MK 71 Mod 2 rocket motor.
Country of Origin: USA



127mm MK 22 Mod 4

Length: 1.95m

Country of Origin: USA

[M58 MICLIC](#)



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Rockets and Launchers, 127-150mm



128mm M63

(HE)

Length With UTI M63 Fuze:
756mm

Country of Origin: Former
Yugoslavia

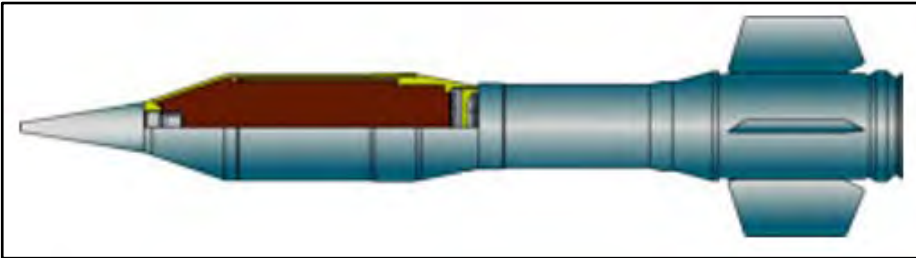


140mm MOF-45

(HE-Frag)

Length: 1125mm

Country of Origin: Russia



150mm DM-70

Length: ~ 1.6m

Country of Origin: Russia

[UR-67](#)

[UR-83P](#)



[Return to Table of Contents](#)

Rockets and Launchers, 220mm



220mm MO.1.01.04M with TOS-1A (Thermobaric)

Length: 3.7m

Note: Uses the MRV and MRV-U fuzes.

Country of Origin: Russia/USSR



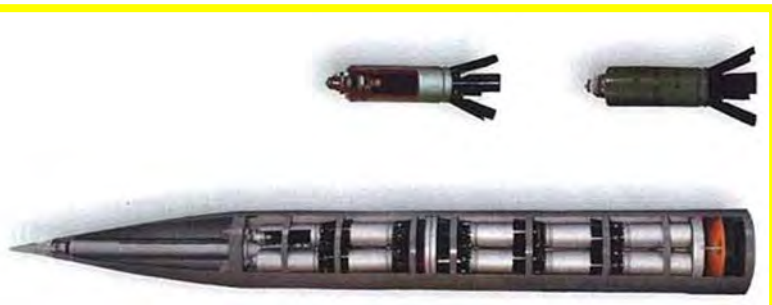
220mm 9M27F / 9N128F

Length: 4832mm

Note: Uses the MRV and MRV-U fuzes.

Country of Origin: Russia

[Hurricane](#)



220mm 9M27K

Length: 5178mm

Note: Contains highly dangerous submunitions.

Country of Origin: USSR

[Hurricane](#)
[Page 2](#)



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Rockets and Launchers, 220mm



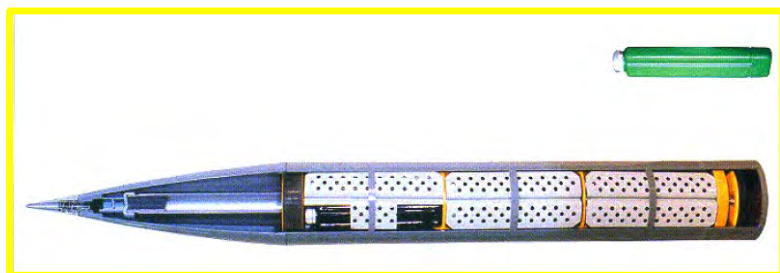
220mm 9M27K2

Length: 5178mm

Note: Contains highly dangerous submunitions.

Country of Origin: USSR

[Hurricane Page 2](#)

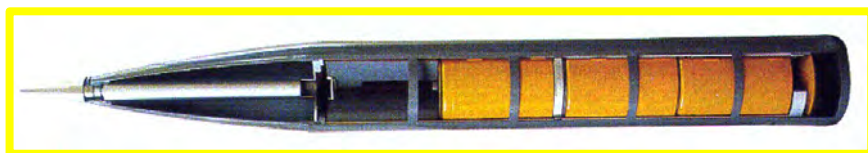


220mm 9M27K3

Length: 5178mm

Note: Each rocket contains 12 KPFM-1S cassettes.

Country of Origin: USSR/Russia



[Hurricane Page 2](#)



KPFM-1S / 9N223 Cassette

Width: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Height: **INFORMATION NEEDED**

Note: Each cassette contains 26 PFM-1S submunitions.

Country of Origin: USSR/Russia



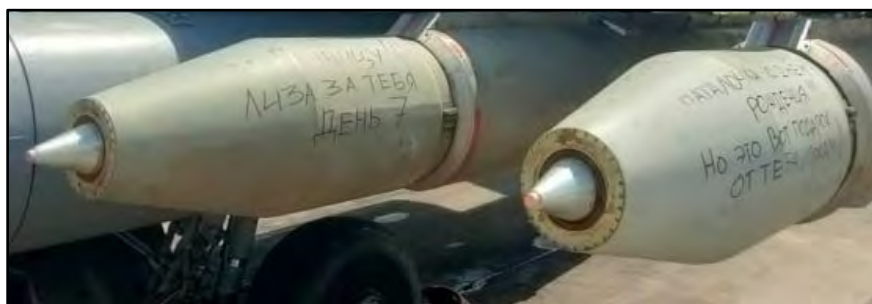
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Rockets and Launchers, 266mm



266mm S-25-O Fragmentation

Diameter of Body: 266mm
Diameter of the Warhead: 420mm
Length with Fuze: 3760mm
Wingspan: 1170mm
Country of Origin: USSR



266mm S-25-OF

Diameter of Body: 266mm
Diameter of the Warhead: 340mm
Length with Fuze: 3560mm
Wingspan: 1170mm
Country of Origin: USSR



Rockets and Launchers, 266mm

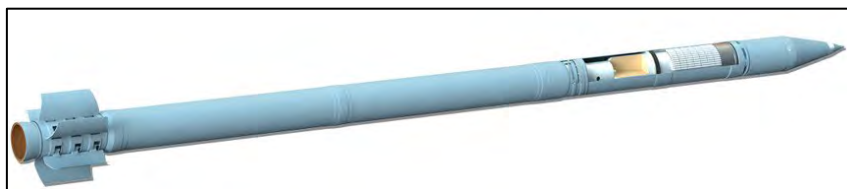


266mm S-25-OFM **(HE-Frag)**

Diameter of Body: 266mm
Diameter of the Warhead: 340mm
Length with Fuze: 3560mm
Wingspan: 1170mm
Country of Origin: USSR



Rockets and Launchers, 300mm



300mm 9M528 Rocket
Total Length: 7600mm
Length of Warhead: 2049mm
Country of Origin: USSR

[Smerch](#)

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RPG

RPGs are a category of shoulder-launched munitions that fire rockets and projectiles. Most of them are anti-tank, but some use fragmentation or thermobaric warheads. Almost all models use some kind of self-destruct mechanism.

RPG-7 Series

OG-7



OG-7V



PG-7VM



PG-7VS and PG-7VS1



PG-7G



TBG-7V



PG-7S



PG-7VL and PG-7L



PG-7T



PG-7VR



RTB-7MA



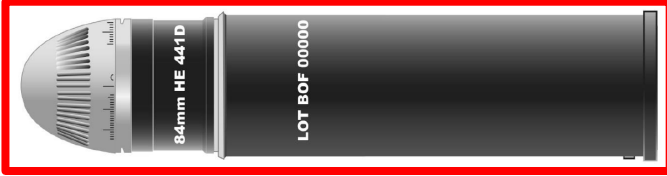
GTB-7S



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Carl Gustav

FFV441D



FFV401



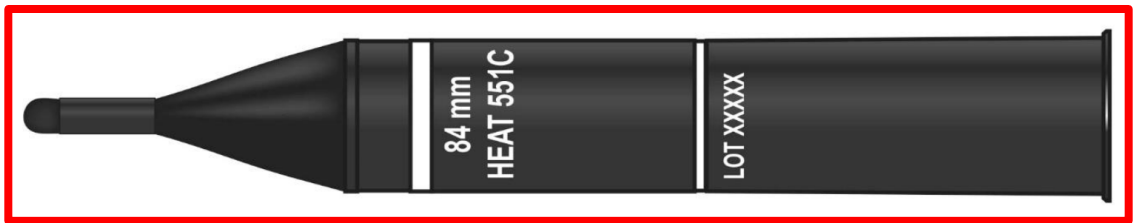
FFV502



FFV545C



FFV551C



FFV751



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RPG, 40mm



40mm OG-7 (HE-Frag)

Length without Fuze: 256mm
Note: Uses the O-4M and GO-2 fuzes.
Country of Origin: USSR



RPG-7 Series



40mm OG-7V (HE-Frag)

Unfired Length: 595mm
Note: Usually uses O-4M fuze.
Country of Origin: Bulgaria



RPG-7 Series



45mm FG-45 (HE)

Unfired Length:
INFORMATION NEEDED
Country of Origin: Russia



DP-64 Anti-saboteur
Grenade Launcher
Caliber: 45mm
Country of Origin: Russia

[Return to Table of Contents](#)

RPG, 60-68mm



PG-18 (HEAT)

Diameter: 64mm
Fired Length: ~650mm
Launcher Length: 705/1050mm
Note: In the photo the piezoelectric element is missing.
Country of Origin: USSR



M80 (HEAT)

Diameter: 64mm
Fired Length: 669mm
Launcher Length:
800/1200mm
Country of Origin: Serbia



[Return to Table of Contents](#)

RPG, 60-68mm



M72 EC MK1 (HEAT)

Diameter: 66mm

Length: **INFORMATION NEEDED**

Launcher Length: 780/980mm

Country of Origin: Norway



M72A5 / 66 KES 88 / JVA 2042

(HEAT)

Diameter: 66mm

Length: **INFORMATION NEEDED**

Launcher Length:

771/981mm

Country of Origin: Finland



RPG, 60-68mm



M72A6/A7 (HEAT)

Diameter: 66mm
Length of Rocket: 532mm
Launcher Length:
780/981mm
Country of Origin: Norway



RPG, 60-68mm



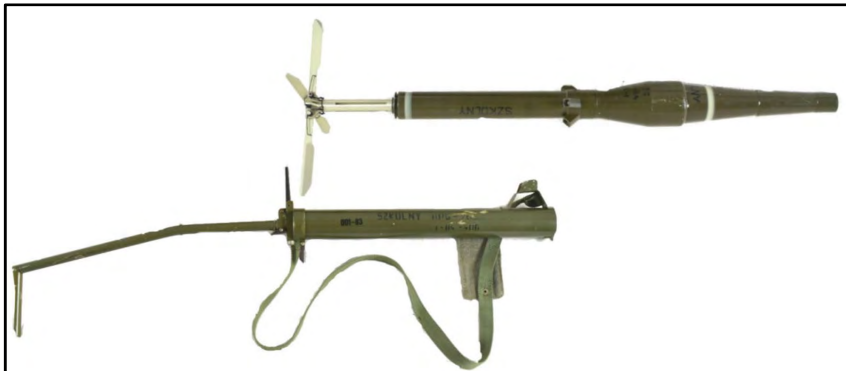
PG-75 (HEAT)
Diameter: 68mm
Length: 270mm
Launcher Length: 630/890mm
Country of Origin: Czech Republic



PG-75 M (HEAT)
Diameter: 68mm
Length: **INFORMATION NEEDED**
Launcher Length: 630/890mm
Country of Origin: Czech Republic



RPG, 60-68mm



PG-76 (HEAT)

Length: **INFORMATION
NEEDED**

Launcher Length: 805/1190mm

Country of Origin: Poland

RPG, 70-75mm

PG-7VM/PG-7M (HEAT)

Diameter: 70mm

Fired Length: 951mm

Country of Origin: Russia, Bulgaria

[RPG-7 Series](#)



PG-7S (HEAT)

Diameter: 70mm

Fired Length: 670mm

Country of Origin: Russia

[RPG-7 Series](#)



PG-7VS and PG-7VS1 (HEAT)

Diameter: 72mm

Unfired Length: 925.0mm

Country of Origin: USSR

[RPG-7 Series](#)



[Return to Table of Contents](#)

RPG, 70-75mm



RShG-2 "Aglen-2" (thermobaric)

Caliber: 72.5mm
Launcher Length: 770mm
Rocket Length: 510mm
Country of Origin: Russia



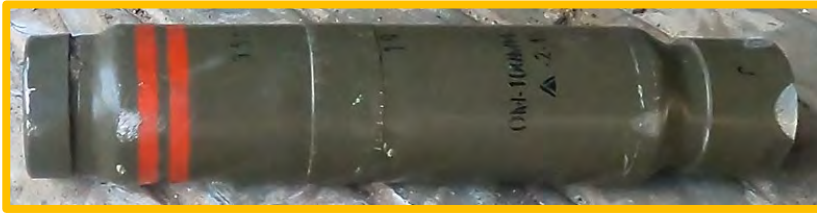
RPG-22 (HEAT)

Diameter: 72.5mm
Rocket Length: 610mm
Launcher Length: 755/850mm
Country of Origin: USSR,
Bulgaria



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RPG, 70-75mm



MRO-A **(thermobaric)**

Caliber: 72.5mm
Launcher Length: 900mm
Rocket Length: 760mm
Country of Origin: Russia



RPG, 70-75mm



PG-26 (HEAT)

Diameter: 72.5mm
Launcher Length: 770mm
Rocket Length: 625mm
Country of Origin: USSR



Bulspike-AT/PG-22 (HEAT)

Diameter: 72.5mm
Launcher Length: **INFORMATION NEEDED**
Rocket Length: **INFORMATION NEEDED**
Country of Origin: Bulgaria



Bulspike-TB/TB-22M (thermobaric)

Diameter: 72.5mm
Launcher Length: 765mm
Rocket Length: **INFORMATION NEEDED**
Country of Origin: Bulgaria



DRTG-73/TG-73 (HEAT)

Caliber: 73mm
Front Warhead Diameter: 50mm
Rear Warhead Diameter: 72.5mm
Fired Length: ~820mm
Launcher Length: ~925mm
Country of Origin: Bulgaria

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RPG, 80-85.1mm



PG-2 (HEAT)

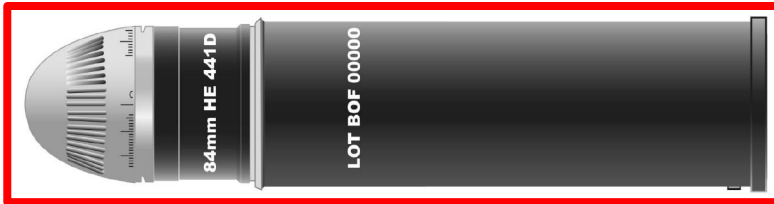
Diameter: 81.28mm
Unfired Length: 759.5mm
Fired Length: 665.5mm
Country of Origin: USSR



84mm FFV401 (Shrapnel)

Length of Projectile: 177.8mm
Length with Cartridge: 383mm
Country of Origin: Sweden

[Carl Gustav](#)



84mm FFV441D (HE-Frag)

Projectile Length: 180mm
Length with Cartridge: 376mm
Country of Origin: Sweden

[Carl Gustav](#)



84mm FFV502

(HE + HEAT, Dual Purpose)
Length of Projectile: 337mm
Length with Cartridge: 437mm
Country of Origin: Sweden



[Carl Gustav](#)

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RPG, 80-85.1mm



[Carl Gustav](#)

84mm FFV545C

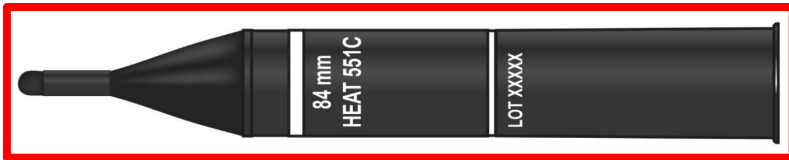
(Illumination)

Length of Projectile:

INFORMATION NEEDED

Length with Cartridge: 466mm

Country of Origin: Sweden



[Carl Gustav](#)

84mm FFV551C

(Rocket-assisted, HEAT)

Length of Projectile:

INFORMATION NEEDED

Length with Cartridge: 645mm

Country of Origin: Sweden



[Carl Gustav](#)

84mm FFV751

(Rocket-assisted, HEAT)

Projectile Length: **INFORMATION NEEDED**

Length with Cartridge: 760mm

Country of Origin: Sweden



84mm AT4 and Pansarskott 86

(HEAT)

Projectile Length: 452.3mm

Launcher Length: 1020mm

Country of Origin: USA, Sweden



[Return to Table of Contents](#)

RPG, 80-85.1mm



84mm AT4CS AST
(antistructure tandem)

Projectile Length:

INFORMATION NEEDED

Launcher Length: ~1m

Country of Origin: USA, Sweden



PG-7G
(HEAT)

Diameter: 85.1mm

Unfired Length: 898.9mm

Country of Origin: USSR

[RPG-7 Series](#)

[Return to Table of Contents](#)

RPG, 90-95mm

M79A1 (HEAT)

Diameter: 90mm



Length: 672mm
Country of Origin: Serbia



M79 "Osa"

Caliber: 90mm
Country of Origin: Serbia



RGW90 HH (HEAT/HESH)

Caliber: 90mm
Projectile Length:
960/1080mm
Launcher Length: 1010mm
Country of Origin:
Germany



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RPG, 90-95mm



RGW90 ASM L1A1

(antistructure)

Caliber: 90mm

Length: 1000mm

Country of Origin:
Germany



C90-CR-AM

(HEAT)

Caliber: 90mm

Launcher Length:

943/983mm

Rocket Length:

INFORMATION NEEDED

Country of Origin: Bulgaria



RPG, 90-95mm

GTB-7S
(thermobaric)
Diameter: 93mm
Fired Length: 883mm
Country of Origin: Bulgaria

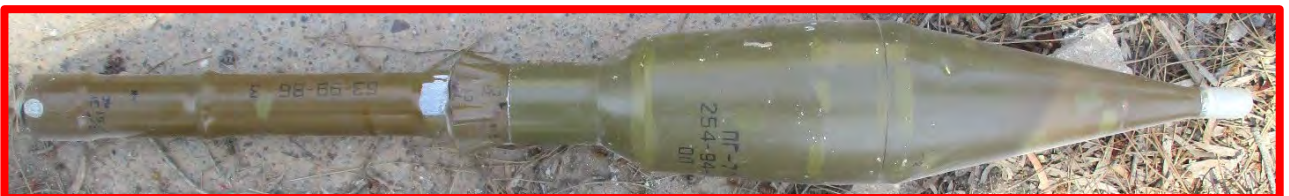
[RPG-7 Series](#)



PG-7VL and PG-7L (HEAT)
Diameter: 93mm

Length: 950mm
Country of Origin: USSR

[RPG-7 Series](#)



RPV-16
(thermobaric)
Diameter: 93mm
Length of Projectile: 548mm
Length with Cartridge:
INFORMATION NEEDED
Launcher Length:
INFORMATION NEEDED
Launcher Length: 924mm
Country of Origin: Ukraine

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RPG, 90-95mm



RPO-A

(thermobaric)

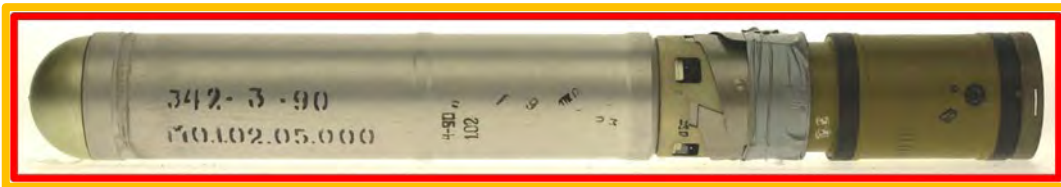
Diameter: 93mm

Length of Projectile: 548mm

Length with Cartridge: 920mm

Country of Origin: Russia

[Launch Motor](#)



PG-7T (HEAT)

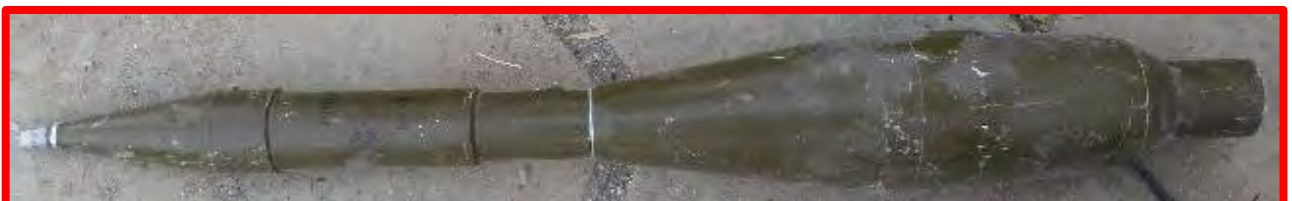
Diameter:

Front Warhead: 50mm

Rear Warhead: 93mm

[RPG-7 Series](#)

Length: 990mm
Country of Origin: Bulgaria



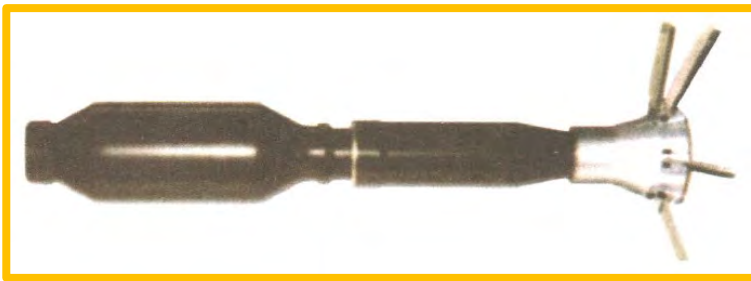
[Return to Table of Contents](#)

RPG, 105mm

TBG-7V (thermobaric)

Diameter: 105mm
Unfired Length: 900mm
Country of Origin: Russia

[RPG-7 Series](#)



RShG-1 "Tavolga-1" (thermobaric)

Caliber: 105mm
Launcher Length: 1135mm
Rocket Length: 625mm
Country of Origin: Russia



PG-7VR (HEAT)

Diameter:
Front Warhead: 64mm
Rear Warhead: 105mm
Unfired Length: ~1245mm
Country of Origin: Russia

[RPG-7 Series](#)



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RPG, 105mm



RMG "Skid"

(HEAT)

Diameter:

Front Warhead: 84mm

Rear Warhead: 105mm

Length of Launcher: 1000mm

Length of Rocket: **INFORMATION
NEEDED**

Country of Origin: Russia



RPG-30 "Hook"

(HEAT)

Diameter:

Primary Round (PG-30): 105mm

Decoy Round (IG-30): 42mm

Launcher Length: 1135mm

Length PG-30: **INFORMATION
NEEDED**

Length IG-30: **INFORMATION
NEEDED**

Country of Origin: Russia



[Return to Table of Contents](#)

RPG, 106-125mm

RTB-7MA (thermobaric)

Diameter: 106mm

Length: **INFORMATION NEEDED**

Note: Uses the AF72 and AF76 PD fuzes.

Country of Origin: Bulgaria

[RPG-7 Series](#)



Panzerfaust 3-IT / DM72A1 (HEAT)

Caliber: 60mm

Diameter of the Warhead: 110mm

Unfired Length: 1223mm

Fired Length: **INFORMATION NEEDED**

Country of Origin: Germany



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RPG, 106-125mm

Bunkerfaust / DM32
(antistructure)
Caliber: 60mm
Diameter of Warhead: 110mm

Unfired Length: 1220/1270mm
Fired Length: **INFORMATION NEEDED**
Country of Origin: Germany



APILAS (HEAT)
Caliber: 112mm
Launcher Length: 1260mm
Rocket Length: 925mm
Country of Origin: France



PG-28 "Cranberry-1"
(HEAT)
Diameter:
Front Warhead: **INFORMATION NEEDED**
NEEDED
Rear Warhead: 125mm
Launcher Length: 1200mm
Rocket Length: **INFORMATION NEEDED**
NEEDED
Country of Origin: Russia

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Guided Missiles

Guided missiles are munitions whose flight path can be adjusted after launch by the operator's commands, or which can be self-guided using their sensors and internal electronics. A good visual indicator is several pairs of wings and the ratio of the number of on-board control and guidance equipment to its dimensions.

Another general rule of thumb is that if a rocket looks very expensive, it's probably a guided missile.

Guided Missiles (Air-to-Air)

An air-to-air missile is a guided air missile designed to destroy enemy aircraft in aerial combat.

Guided Missiles (Air-to-Air)



**Warhead of the K-13/R-13
Missile
(NATO AA-2)**
Diameter: 127mm
Length: 765mm
Country of Origin: USSR

R-27R Missile

Diameter of Body: 230mm
Length: 4.08m
Wingspan: 770mm
Country of Origin: Russia



R-37M Missile

Diameter of Body: 380mm
Length: 4.06m

Wingspan: 720mm
Tailspan: 1020mm
Country of Origin: Russia



**R-40/K-40 Missile
(NATO AA-6)**
Diameter: 310mm
Length: 6.23m
Country of Origin: USSR

Guided Missiles (Air-to-Air)

R-60 Missile

Diameter of Body: 120mm
Length: 2.09m
Country of Origin: USSR

Wingspan: 390mm

Note: Some warhead models contain depleted uranium.

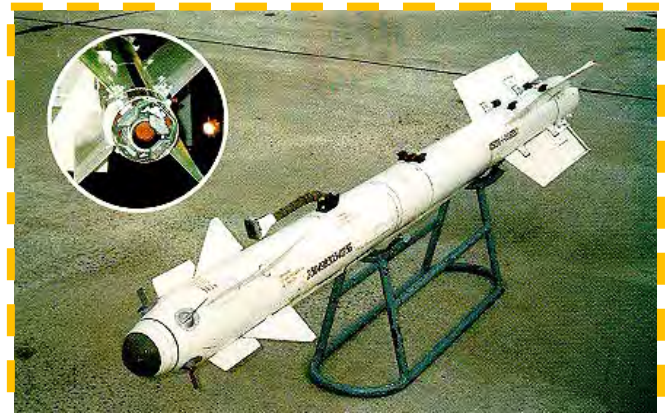


R-73 Missile

Diameter of Body: 170mm
Length: 2.9m

Wingspan: 510mm
Country of Origin: Russia

Note: Some warhead models contain depleted uranium.



R-77 Missile

Diameter of Body: 200mm
Length: 3.6m

Wingspan: 454mm
Tailspan: 750mm
Country of Origin: Russia



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Guided Missiles (Air-to-Surface)

The air-to-surface missile (air-to-ground) is a guided air missile designed to destroy targets on the surface of the earth, water, and buried objects. It is part of the aviation complex of missile weapons.

Guided Missiles (Air-to-Surface)



AGM-88B HARM

Diameter of Body: 254mm

Length: 4.17m

Wingspan: 1.12m

Tailspan: 610mm

Country of Origin: USA



MAM-L

Diameter of Body: 160mm

Length: 1m

Wingspan: **INFORMATION
NEEDED**

Country of Origin: Turkey



MAM-C

Diameter of Body: 70mm

Length: 970mm

Wingspan: **INFORMATION
NEEDED**

Country of Origin: Turkey



Whirlwind-1

Diameter of Body: 138mm

Length: 2.765m

Wingspan: **INFORMATION
NEEDED**

Country of Origin: Russia

Guided Missiles (Air-to-Surface)



Kh-25

Diameter of Body: 275mm
Length: 3.57m
Wingspan: 820mm
Country of Origin: USSR

Note: the missile contains two warheads, one in the front of the missile (F25-1M) and the other in the tail, behind the rocket engine (F25-2M).



Kh-25ML

Diameter of Body: 275mm
Length: 3.705m
Wingspan: 755mm
Country of Origin: USSR



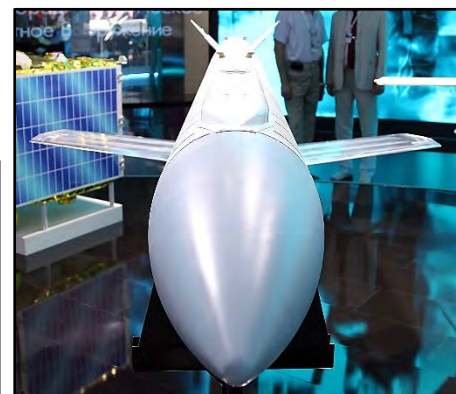
Kh-31P

Diameter of Body: 360mm
Length: 4.7m
Wingspan: 914mm
Country of Origin: Russia

Grom-E1

Diameter of Body: 310mm
Length: 4.2m

Wingspan: 1.9m
Country of Origin: Russia



Guided Missiles (Air-to-Surface)

Kh-58U

Diameter of Body: 380mm
Length: 4.813m

Wingspan: 1170mm
Country of Origin: Russia/Ukraine



Kh-58UShKE

Diameter of Body: 380mm
Length: 4.19m
Wingspan: 800mm
Country of Origin: Russia



Kh-59MK2

Diameter of Body: 380mm
Length: 5.7m
Wingspan: 1.3m
Country of Origin: Russia

[Submunition
from Kh-59MK2](#)

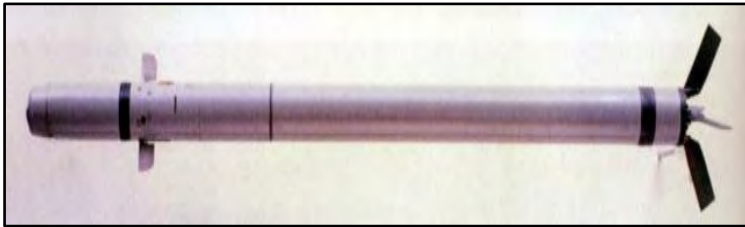


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Guided Missiles (Surface-to-Air)

An surface-to-air missile (anti-aircraft guided missile, ZKR) is a guided missile that is part of an anti-aircraft missile complex, designed to hit air targets: airplanes, helicopters, airships, balloons, various missiles, unmanned aerial vehicles, combat units ballistic missiles, artillery and aviation ammunition.

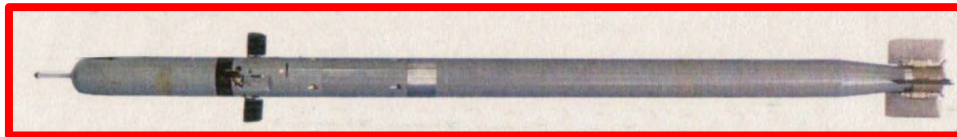
Guided Missiles (Surface-to-Air)



Strela-2 (9K32) and Strela-2M (9K32M)
HATO:
SA-7A, SA-7B and SA-N-5
"Grail"
Diameter: 70mm
Length: 1.44m
Country of Origin: USSR



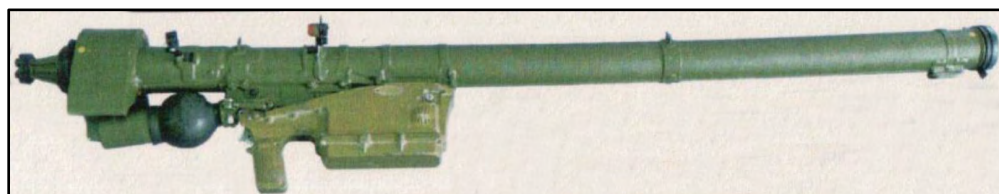
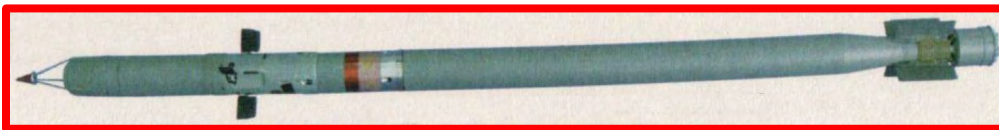
Strela-1 (9K31) and Strela-1M (9K31M)
HATO: SA-9 "Gaskin"
Diameter: 120mm
Length: 1.803m
Country of Origin: USSR



9K38/9M39 Igla
(NATO: SA-18 Grouse)
Diameter of Missile: 70mm
Length of Missile: 1.69m
Length of Launcher: 1.71m
Country of Origin: Russia



9K310/9M313 Igla-1
(NATO: SA-16 Gimlet)
Diameter of Missile: 70mm
Length of Missile: 1.69m
Length of Launcher: 1.7m
Country of Origin: Russia



Guided Missiles (Surface-to-Air)



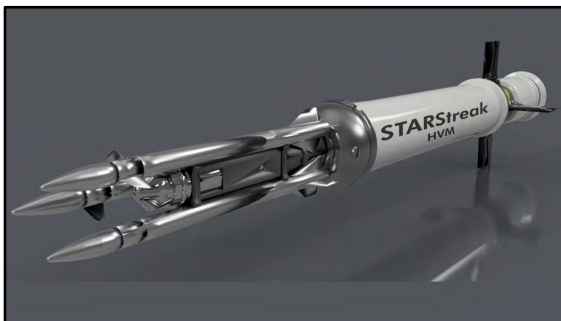
9K333/9M336 Verba
Diameter of Missile: 72mm
Length of Missile:
INFORMATION NEEDED
Length of Launcher:
INFORMATION NEEDED
Country of Origin: Russia



FIM-92 "Stinger"
Diameter: 70mm
Length: 1370mm
Length of Launcher: 1510mm
Country of Origin: USA

[Launch Motor](#)

[Battery Coolant Unit](#)



Starstreak
Length: 1039mm
Diameter: 300mm
Country of Origin: UK



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Guided Missiles (Surface-to-Air)



9M38/9M38M1 "Buk"
Diameter of Body: 400mm
Length: 5500mm
Wingspan: 702mm
Tailspan: 860mm
Country of Origin: USSR



9M33 "OSA"
Diameter: 206mm
Length: 3158mm
Country of Origin: USSR



9M330 "Tor"
Diameter of Body: 235mm
Length: 2898mm
Wingspan: 650mm
Country of Origin: Russia



48N6E2 (S-300)
Diameter: 519mm
Length: 7500mm
Country of Origin: USSR

Guided Missiles (Surface-to-Air)



IRIS-T

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Germany



I-HAWK

Diameter: 356mm

Length: 5.04m

Wingspan: 1.204m

Country of Origin: Spain, USA



Sungur

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

походження: Turkey



Martlet/LMM

Length: 1.3m

Diameter: 76mm

Country of Origin: UK



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Guided Missiles (Surface-to-Air)

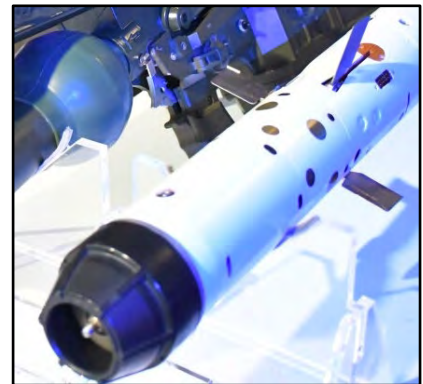


PPZR Piorun

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Poland



RBS 70

Diameter: 110mm

Length: 1320mm

Wingspan: 320mm

Country of Origin: Sweden



Mistral

Diameter: ~92mm

Length: 1.86m

Wingspan: 200mm

Country of Origin: France



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Guided Missiles (Surface-to-Air)



AIM-120 NASAMS Series

Diameter: 178mm

Length: 3.66m

Wingspan: 533mm

Note: This is an air-to-air missile adopted for air defense (ground-to-air).

Country of Origin: USA



ASRAAM

Diameter of Body: 166mm

Length: 2.9m

Wingspan: 450mm

Note: This is an air-to-air missile adopted for air defense (ground-to-air).

Country of Origin: UK



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Guided Missiles (Antitank)

Antitank guided missiles are designed to destroy enemy ground vehicles.

Guided Missiles (Antitank)



9M117M1-3 "Arkan"

Diameter: 100mm

Unfired Length: 1035mm

Country of Origin: USSR/Russia



9M117M-02 (9N136M warhead)

Diameter: 100mm

Unfired Length: 1205mm

Country of Origin: USSR/Russia

9M111M "Fagot-M" (9N122M warhead)

Diameter: 120mm

Wingspan: 369mm

Fired Length: 863mm

Country of Origin: Russia



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Guided Missiles (Antitank)



9M113 Konkurs
Diameter: 135mm
Wingspan: 468mm
Length: 955mm
Country of Origin: Russia

[Launch Motor](#)



9M113M Konkurs-M
Diameter: 135mm
Length: 1.15m
Note: Contains a tandem warhead which may or may not be protruding.
Country of Origin: Russia



9K115-2 Metris-M
Diameter: 130mm
Length: 980mm
Country of Origin: USSR



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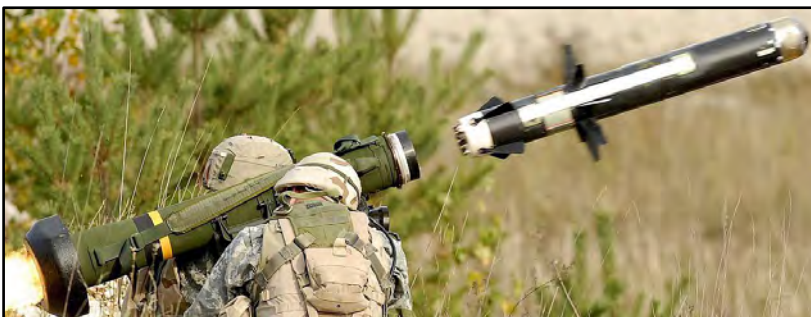
Guided Missiles (Antitank)



9M119M "Reflex-M"
Unfired Diameter: 125mm
Fired Length: 760mm
Country of Origin: Russia



9M133-1, 9M133F Kornet
Diameter: 152mm
Length: 1200mm
Country of Origin: USSR



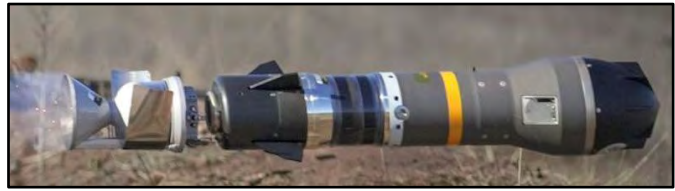
FGM-148 Javelin
Diameter: 127mm
Length: 1.1m
Country of Origin: USA

Guided Missiles (Antitank)



NLAW

Diameter: 115mm
Diameter of the Warhead: 150mm
Length: 1020mm
Country of Origin: UK



ATGM Corsar

Length: 1180MM
Diameter of the Warhead: 107MM
Country of Origin: Ukraine



ATGM Brimstone and Brimstone-2

Diameter: 180mm
Length: 1.8m
Diameter of the Warhead: 180mm
Country of Origin: UK

Guided Missiles (Antitank)



RBS-17
Diameter: 180mm
Length: 1625mm
Country of Origin: Sweden



Milan-2
Diameter: 115mm
Length: 893mm
Country of Origin: France



AKERON MP
Diameter: 140mm
Length: **INFORMATION NEEDED**
Country of Origin: France



9M120F Ataka
Diameter: 130mm
Length: 1830mm
Country of Origin: Russia



Launch Motor

Guided Missiles (Antitank)



BGM-71F / TOW-2B

Diameter: 152mm

Length: 1230mm

Country of Origin: USA



BGM-71H-RF / TOW BB RF

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: USA

Guided Missiles (Surface-to-Surface)

Guided missiles (surface-to-surface) are used in field artillery to deliver high-precision strikes.

Guided Missiles (Surface-to-Surface)



TRLG-230
Diameter: 230mm
Length: **INFORMATION
NEEDED**
Country of Origin: Turkey



70mm APKWS
Length with Fuze: Varies
Country of Origin: USA

Guided Missiles (Cruise Missiles)

A guided missile designed to hit ground targets at long distances with high accuracy. It can move at low altitude along the contours of the terrain, making it difficult to detect.

Guided Missiles (Cruise Missiles)



Caliber

Length: 6,200mm
Diameter: 533mm
Country of Origin: Russia



Kh-55

Diameter: 500mm
Length: 5880mm
Country of Origin: USSR/Russia



Kh-22

Diameter: 920mm
Length: 11650—11670 m
Country of Origin: USSR



Kh-101

Length: 7450mm
Diameter: 742mm
Country of Origin: Russia

Guided Missiles (Ballistic Missiles)

Ballistic missiles are designed to hit ground targets at long distances using a ballistic trajectory. Ballistic missiles can be launched from various launchers: stationary (launch installations), mobile (on wheeled or tracked chassis, planes, ships and submarines).

Guided Missiles (Ballistic Missiles)



Tochka-U
Diameter: 650mm
Length: 6400mm
Country of Origin: USSR

[9H24](#)

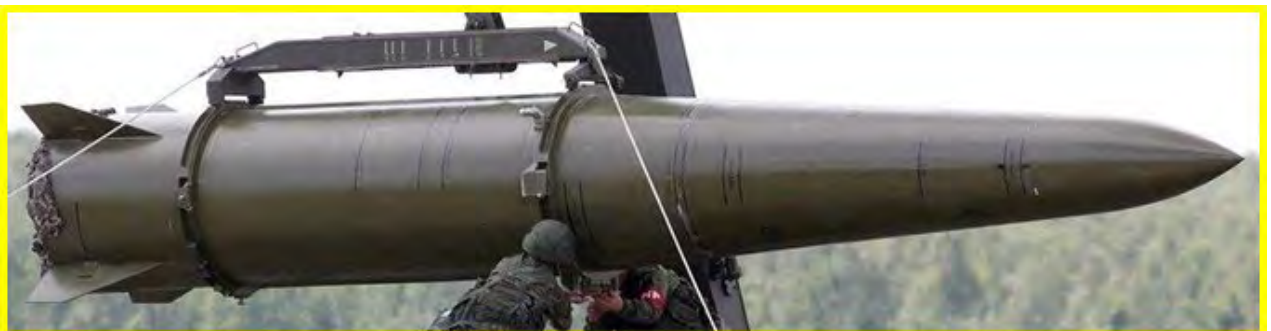


Iskander and Iskander-M

Diameter: 920mm
Length: 7.3m
Country of Origin: Russia

[9B899](#)

[9N730](#)



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Guided Missiles (Ballistic Missiles)



Kh-47M2 "Dagger"

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Russia



MGM-140A ATACMS

Diameter of Body: 607mm

Length: 3.98m

Country of Origin: USA

[M74](#)

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Kamikaze Drones

Drones with a built-in explosive charge or warhead are considered “kamikaze” drones.

Kamikaze Drones

"KUB" UAV

Dimensions:

1210x950x165mm

Note: Contains approximately
3 kg of explosives.

Country of Origin: Russia



Switchblade 300 UAV

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: USA



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Kamikaze Drones

Switchblade 600 UAV

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: USA



Warmate UAV

Wingspan: 1590mm



Length: 1170mm

Country of Origin: Poland



Lancet-3 UAV

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Note: Contains two warheads – a main KZ-6 charge in the front, and a small explosive charge in the tail.

Country of Origin: Russia

Kamikaze Drones

Shahed-136 / Geran-2 UAV

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Iran, Russia



Shahed-131 / Geran-1 UAV

Wingspan: 2.2m

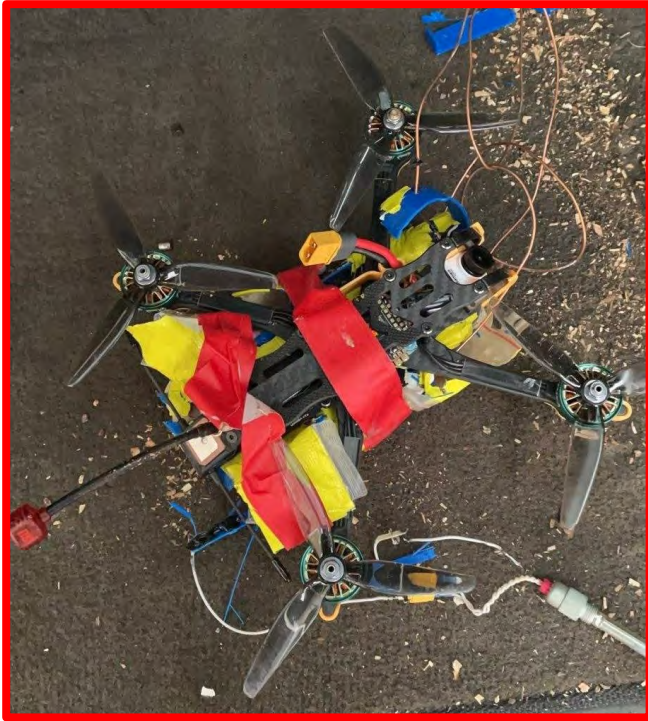
Length: 2.6m

Country of Origin: Iran



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Kamikaze Drones



FPV Type of UAV

Many small FPV drones have an explosive warhead.

Country of Origin: Russia,
Ukraine



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Kamikaze Drones

FPV Drones with OFSP-2.5-A133 as Warhead

Country of Origin: Russia



[OFSP-2.5-A133](#)



Mugin-5 Pro UAV

Length: 3.5m

Width of body: 375mm

Wingspan: 5m

Country of Origin: China



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Armed Drones

Drones designed to carry ammunition.

Armed Drones



Orlan-10 UAV

Most Orlan-10 drones are not armed.

The armed version has
2 pods (total of 4 bombs).

Country of Origin: Russia

OFSP-08-A133



PD-2 UAV

Wingspan: 5m

Length: 2.85m

Country of Origin: Ukraine



Lastochka-M UAV

Wingspan: ~3m

Length: ~2m

Country of Origin: Russia

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Armed Drones



DJI Series

Most DJI drones are unarmed. The armed versions carry aerial bombs.

Country of Origin: China



Revolver 860 UAV

Width: 1060mm

Height: 490mm

The armed version carries

8 x 60mm bombs

Country of Origin: Taiwan

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Armed Drones



UAV Mohajer-6 / ER-860

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Iran

[Qaem-1](#)



Punisher UAV

Wingspan: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Ukraine

[UB-75HE](#)



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Armed Drones



Bayraktar TB2 UAV

Wingspan: 12m

Length: 6.5m

4 Guided Missiles

Country of Origin: Turkey



Orion-E UAV

Wingspan: 16m

Length: 8m

Height: 3m

Country of Origin: Russia



UAB-20 OFL

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Armed Drones



Forpost UAV

Wingspan: 9.1m

Length: 6m

Height: **INFORMATION
NEEDED**

Country of Origin: Russia

[UAB-20 OFL](#)



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Modified/HOMEMADE Ammunition

Ammunition modified to be dropped from drones.

Modified/HOMEMADE Ammunition



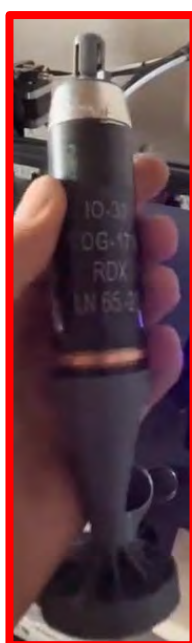
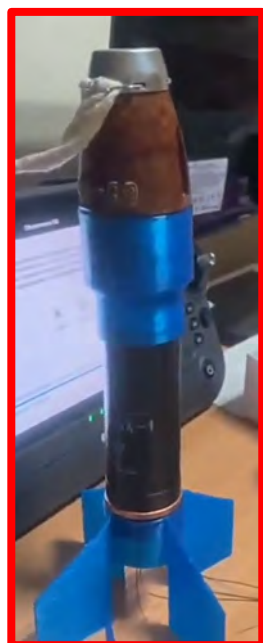
Drone-dropped PG

Diameter: Varies
Length: Varies
Country of Origin: Russia/Ukraine

KZ-6 Shaped Charge Adopted as Drone-dropped Munition

Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**

Note: It is made from a KZ6 shaped charge with unknown fuzing.
Country of Origin: Russia/Ukraine

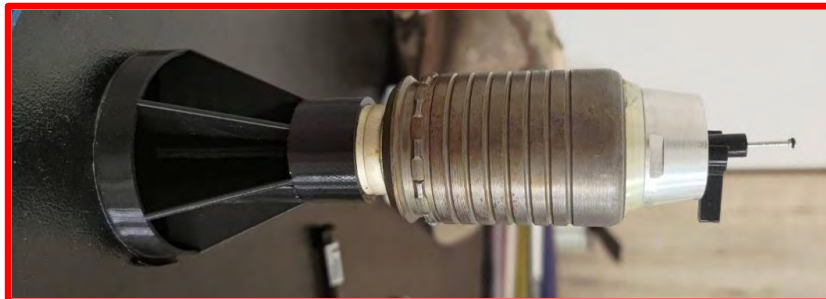


30mm VOG-17M and RHV-HEF Adopted for Dropping from a Drone

Diameter: Varies
Length: Varies
Country of Origin: Russia/Ukraine

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Modified/HOMEMADE Ammunition



40mm VOG-25 Adopted for Dropping from a Drone

Diameter: Varies

Length: Varies

Country of Origin:

Russia/Ukraine



Mine Clearance Systems

Mine clearance systems use explosive charges to clear paths through minefields. They can also be used offensively to clear enemy positions.

Mine Clearance Systems



Minröjningsorm-1
Mine-clearing Device
Country of Origin: Sweden



M58 Series MICLIC
Note: Uses the MK 22 Mod 4 rocket.
Country of Origin: USA

[MK 22 Mod 4](#)



[Return to Table of Contents](#)

Mine Clearance Systems



UR-67
Mine-clearing Device
Country of Origin: USSR

150mm DM-70



UR-83P
Mine-clearing Device
Country of Origin: Russia

150mm DM-70



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Fuzes

The Fuzes section is divided into the following categories:

- Base Detonating (BD) Fuzes
- Bomb Fuzes
- Guided Missile Fuzes
- Submunition Fuzes
- Grenade Fuzes
- Mine Fuzes
- Point Detonating (PD) and Point Initiating Base Detonating (PIBD) Fuzes
- Proximity Fuzes
- Time Fuzes

BD Fuzes



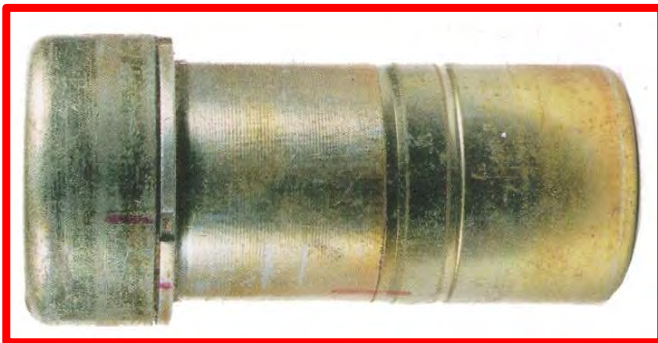
DK-2

Diameter: 28.64mm

Length: 64.25mm

Note: Used in PG-2.

Country of Origin: USSR



DK-4

Diameter: 28.6mm

Length: 64.5mm

Note: Used in PG-2.

Country of Origin: USSR



MD-5

Diameter: 28.96mm

Length: 65.79mm

Exposed Length:

34.8mm

Country of Origin: USSR



MD-8

Diameter: 34.15mm

Length: 47.35mm

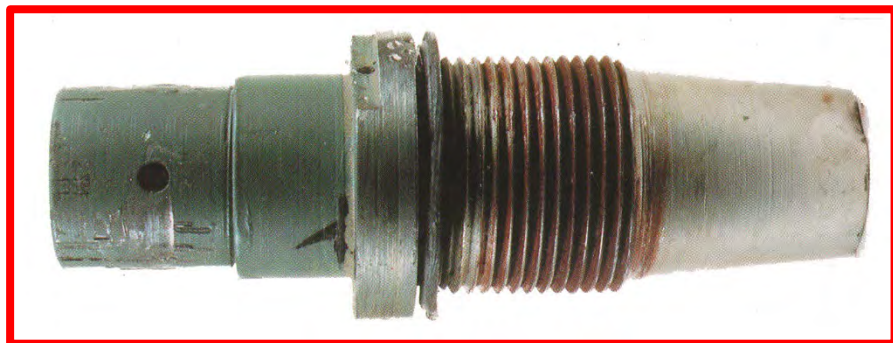
Exposed Length:

17.2mm

Note: Used in 57mm, 76mm, 85mm, 122mm and 152mm APHE projectiles.

Country of Origin: USSR

BD Fuzes



DBR

Diameter: 40mm
Length: 107mm
Exposed Length: 64mm
Country of Origin:
Russia



DBR-2

Diameter: 40mm
Length: 98mm
Exposed Length: 56mm
Note: Used in 100mm and
130mm APHE projectiles
Country of Origin: Russia

Bomb Fuzes



Aviation Fuze AVU-ETM

Diameter: 60mm
Length: 209mm
Exposed Length: 68mm
Country of Origin: USSR



Aviation Fuze AVU-ET

Diameter: 60mm
Length: 210mm
Exposed Length: 68mm
Country of Origin: USSR

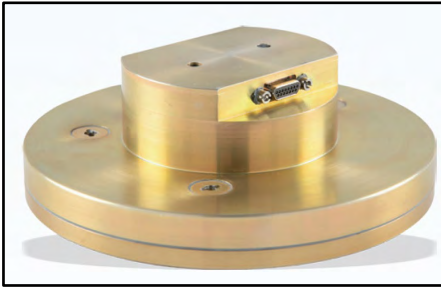


Aviation Fuze AVK-U

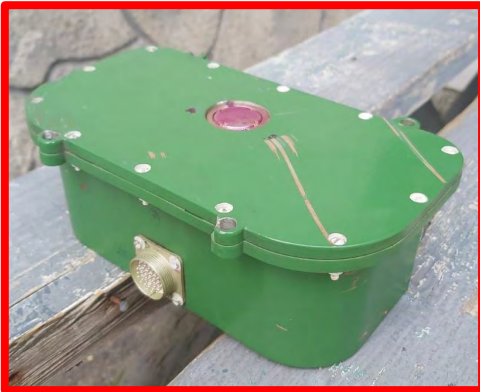
Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Exposed Length: **INFORMATION NEEDED**
Country of Origin: Russia

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Guided Missile Fuzes



Fuze for MAM-L
Diameter: 135mm
Length: 50mm
Country of Origin: Turkey



Fuze for 5V55
Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Country of Origin: USSR/Ukraine



Fuze for Kh-47M2 "Kinzhal"
Diameter of body: ~60mm
Length of body: ~130mm
Country of Origin: Russia



Drone Fuzes



Fuze for Shahed-136 / Geran-2 UAV

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Country of Origin: Iran

Submunition Fuzes



9E246M

Diameter:

**INFORMATION
NEEDED**

Length:

**INFORMATION
NEEDED**

Country of Origin: USSR



9E237

Diameter:

**INFORMATION
NEEDED**

Length:

**INFORMATION
NEEDED**

Country of Origin: USSR

VT-06

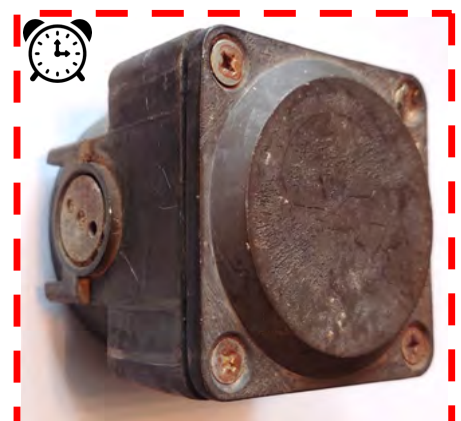
Height of Body: 76mm

Width of Body: 76mm

Thickness: 69mm

Note: The fuze is triggered by a change in the magnetic field. Used with the PTM-3 submunition.

Country of Origin: Russia



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Submunition Fuzes



VT-14

Length: **INFORMATION NEEDED**

Width: ~110mm

Height: ~55mm

Note: The fuze is triggered by a change in the magnetic field.

Used with the PTM-4 submunition.

Country of Origin: Russia



VT-14

Length: **INFORMATION NEEDED**

Width: **INFORMATION NEEDED**

Height: **INFORMATION NEEDED**

Note: The fuze is triggered by a change in the magnetic field.

Used with the PTM-4M submunition.

Country of Origin: Russia



9E371M

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Note: used with the 9N277 submunition.

Country of Origin: USSR

Grenade Fuzes



UZRGM and UZRGM-2

Width: 18mm

Length: 98mm

Country of Origin: USSR



K-510

Length: ~90mm

Note: Used with the K-51
grenade.

Country of Origin: Russia



UDZ

Dimensions:
43x58x90mm

Note: Used with the RGO
and RGN grenades.

Country of Origin: USSR



M213

Width: 83.82mm

Exposed Length: ~23mm

Note: Used with the M67
grenade.

Country of Origin: USA

Grenade Fuzes



DM82A3

Width: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Note: Used with the D-51 grenades.
Country of Origin: Germany



JVA 1634

Width: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Note: Used with the Sirpalekäsikranaatti M/50 grenade.
Country of Origin: Finland



AF-11 (FD-1)

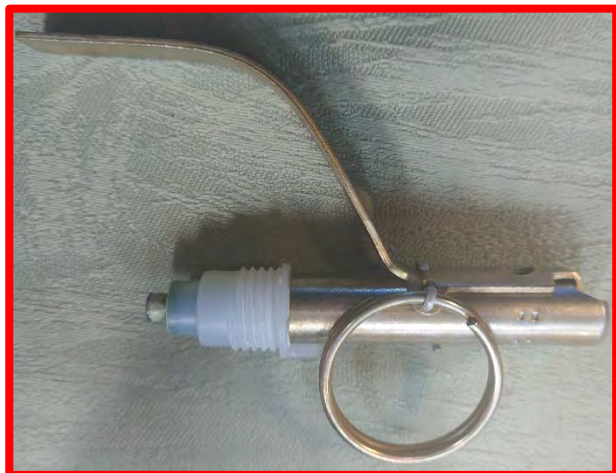
Width: 47mm
Length: 85mm
Note: Used with the GHO-1 grenade.
Country of Origin: Bulgaria



M72A1

Width: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Note: Used with the M72 grenade.
Country of Origin: Belgium

Grenade Fuzes



U-517M

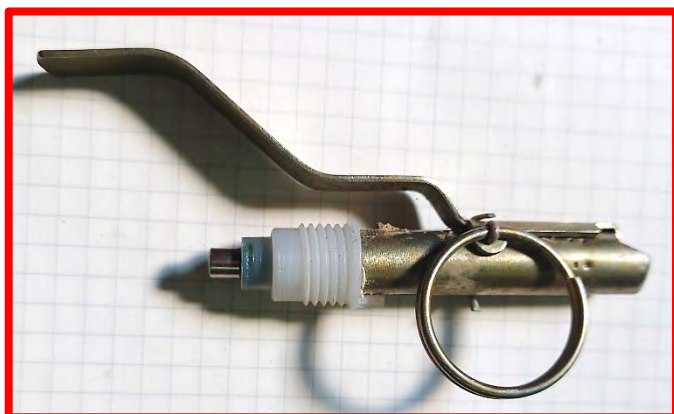
Width: 10mm

Total Length: 95mm

Length of Body: 73mm

Note: Used with the RGR, RDG-M, and Zarya-3 grenades.

Country of Origin: Russia



U-515M

Width: 10mm

Total Length: ~100mm

Length of Body: 70mm

Note: Used with the Zarya-3 grenade.

Country of Origin: Russia



M201A1

Total Length: 99mm

Length of Body: 41mm

Exposed Length: 21mm

Note: Used with the M18 grenade.

Country of Origin: USA

Grenade Fuzes



Mle F3

Width: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Note: Used with the OF 37 grenades.

Country of Origin: France

Mine Fuzes



MVM

Diameter: 81mm

Height: 45mm

Note: Used in TM-46 and TMN-46 anti-tank mines.

Country of Origin: USSR



MVZ-57

Diameter: 89mm

Height: 55mm

Note: Used in TM-57 antitank landmines.

Country of Origin: Russia

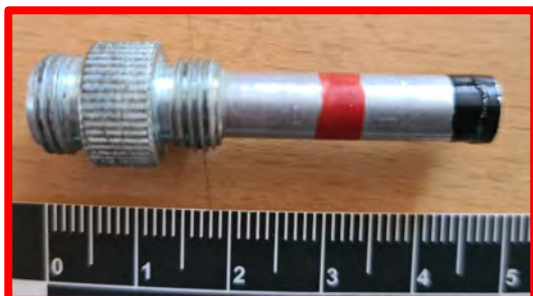


MD-2

Bushing Diameter: 13mm

Length: 52-56mm

Country of Origin: USSR



MD-5M

Diameter: 13.9mm

Length: 46.5mm

Country of Origin: USSR

[Return to Table of Contents](#)

Mine Fuzes



MVP-62

Diameter: 125mm

Height: 86mm

Note: Used in the TM-62P3 antitank mine.

Warning: Minimal metal fuze.

Country of Origin: USSR



MVP-62M

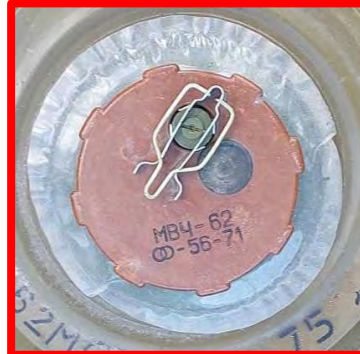
Diameter: 125mm

Height: 90mm

Note: Used in the TM-62P3 antitank mine.

Warning: Minimal metal fuze.

Country of Origin: Russia



MVCh-62

Diameter: 135mm

Height: 60mm Used in TM-62 antitank mines.

Country of Origin: USSR



MVN-72

Diameter:

125mm

Height: 96mm

Note: The fuze is triggered by a change in the magnetic field.

Country of Origin: USSR

Mine Fuzes



MUV

Diameter: 12.3mm
Length: 74mm (without detonator)
Note: May have a plastic body.
Country of Origin: USSR



MUV-2

Diameter: 12.3mm
Length: 86mm (without detonator)
Country of Origin: USSR



MUV-3

Diameter: 12.3mm
Length: 86mm (without detonator)
Country of Origin: USSR



MUV-4

Diameter:
17mm
Length:
113mm
Note: May have a plastic
body.
Country of Origin: USSR

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Mine Fuzes



MVE-72
Diameter: 61mm
Length: 145mm
Country of Origin:
USSR



MVE-92
Diameter: 86mm
Length: 50mm
Country of Origin: USSR



VPE
Diameter: 12mm
Length: 77mm
Country of Origin: USSR

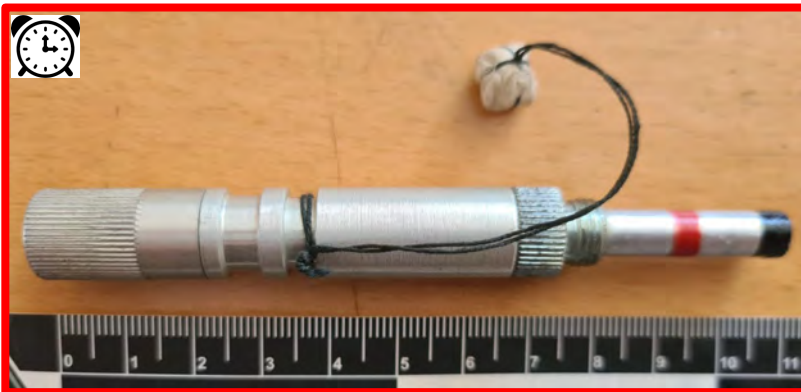


VZD-1M
Diameter: 24mm
Length: 112mm
Exposed Length (with cap): 30mm
Country of Origin: USSR

Mine Fuzes



VZD-3M
Length: 66mm
Diameter: 13mm
Note: Used with MD-5M.
Country of Origin: USSR



VZD-6Ch
Length without
Detonator: 85mm
Width: 45mm
Thickness: 20mm
Country of Origin: USSR



VZD-144
Length: 100mm
Diameter: 50mm
Country of Origin: USSR

Mine Fuzes



VZD-144Ch
Diameter: 48mm
Length without
Detonator: 63mm
Country of Origin: Russia



ZN-97.1
Diameter: 163mm Height: 90mm
Note: The fuze is triggered by a
change in the magnetic field.
Country of Origin: Poland



Mintändare m/47
Diameter: **INFORMATION
NEEDED**
Height: **INFORMATION NEEDED**
Country of Origin: Sweden



NVU-P "Oxota"
Length: 155mm
Diameter: 362mm
Country of Origin: USSR

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Mine Fuzes



M147

Length without
Detonator: 64mm
Width: 51mm
Thickness: 30mm
Country of Origin:
USA



MZU-2 "Willow"

Length: 193mm
Width: 116mm
Thickness: 32mm
Country of Origin:
Russia



VPDM-1M

Diameter:
**INFORMATION
NEEDED**
Length:
**INFORMATION
NEEDED**
Country of Origin: Russia

PD and PIBD Fuzes



AG-23 (PD)

Diameter: 19.8mm
Length: **INFORMATION NEEDED**
Exposed Length: 31mm
Country of Origin: USSR



A-670M (PDS)

Diameter: 19.8mm
Length: 67.82mm
Exposed Length:
38.6mm
Country of Origin: USSR



KZ 984

Diameter: 60mm
Length: 143mm
Country of Origin: Slovakia



AF621 (M-6N)

Diameter: 48.5mm
Length: 88.5mm
Country of Origin: Bulgaria

PD and PIBD Fuzes



MG-25 **(PDS)**

Diameter: 20mm
Length: 52.8mm
Exposed Length: 30.73mm
Country of Origin: USSR



V19U and V19UK **(PDS)**

Diameter: 20mm
Length: 55mm
Exposed Length: 31mm
Country of Origin: USSR



B-23A and B-23M **(PD)**

Diameter: 20mm
Length: 44.74mm
Exposed Length: 31.2mm
Note: Used with 23mm OFZ (HEI
projectiles)
Country of Origin: USSR



O-4M **(PD)**

Diameter: 39mm
Length: 82mm
Exposed Length: 50mm
Country of Origin: USSR

[Return to Table of Contents](#)

PD and PIBD Fuzes



VMG-K and VMG-M (PDS)

Diameter: 30mm

Length: 51mm

Exposed Length:
27mm

Country of Origin: USSR



VMG-P (PDS)

Diameter: 29mm

Length: 57mm

Exposed Length:
30mm

Country of Origin: USSR



AF35 (PD)

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Exposed Length: **INFORMATION NEEDED**

Country of Origin: Bulgaria



AF41 (PD)

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Exposed Length: **INFORMATION NEEDED**

Country of Origin: Bulgaria

PD and PIBD Fuzes



AF611
(PD)

Diameter: 40mm

Length: 83.4mm

Country of Origin: Bulgaria



VP-22
(piezoelectric, PIBD)

Diameter: 37mm

Length: 73.4mm

Country of Origin: USSR



B-37 and MG-37
(PDSD)

Diameter: 29.7mm

Length: 82.5mm

Exposed Length: 63mm

Country of Origin: USSR



PD and PIBD Fuzes



VP-7, -9, -16, and -18
(piezoelectric, PIBD)
Diameter: 37.16mm
Length: 74.03mm
Country of Origin: USSR



VP-9
(piezoelectric, PI)
Diameter: 24.63mm
Total Length: 91.08mm
Length (without cap): 87.36mm
Exposed Length: 54.44mm
Length of Exposed Portion
(without cap): 51.15mm
Country of Origin: USSR



I-238
Diameter: 40mm
Length: 159mm
Exposed Length:
INFORMATION NEEDED
Country of Origin: USSR



O-4N
(PD)
Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Exposed Length: **INFORMATION NEEDED**
Country of Origin: Bulgaria

PD and PIBD Fuzes



M-6 (PD)

Diameter: 39.37mm

Length: 82.55mm

Exposed Length: 51.6mm

Note: The body can be made of metal or bakelite.

Country of Origin: USSR



KTM-1 (PD)

Diameter: 39.6mm

Length: 95.2mm

Exposed Length: 52.6mm

Country of Origin: USSR



RGM, RGM-2, and RGM-2M (PD)

Diameter: 39.8mm

Length: 102.3mm

Exposed Length:
56.5mm

Country of Origin: USSR



V-5M1

Diameter: 39.9mm

Length: 157mm

Exposed Length: 84.1mm

Country of Origin: USSR



3V35 (PD)

Diameter: 37.5mm

Length: 140mm

Exposed Length: 75mm

Country of Origin: USSR

PD and PIBD Fuzes



M-5 and M-5M (PD)

Diameter: 40mm

Length: 66mm

Exposed Length:
36.1mm

Country of Origin: USSR



MG-N (PD)

Diameter: 40mm

Length: 99mm

Exposed Length:
43.18mm

Country of Origin: USSR



MG-57 and MGZ-57 (PDS)

Diameter: 40mm

Length: 84.8mm

Exposed Length:
47mm

Country of Origin: USSR



GPV-2 (PD)

Diameter: 40mm

Length: 98mm

Exposed Length:
56mm

Country of Origin: USSR

PD and PIBD Fuzes



V-25 (PD)

Diameter: 40mm
Length: 114.3mm
Length (without cap): 111.25mm
Exposed Length: 68.1mm
Exposed Length (without cap): 66mm
Country of Origin: USSR



M-12 and V-22 (PD)

Diameter: 40 or 50mm
Length: 117-119mm
Exposed Length: 71-74mm
Country of Origin: USSR



GPV-3 (PD)

Diameter: 40mm
Length: 120mm
Country of Origin: USSR



M525

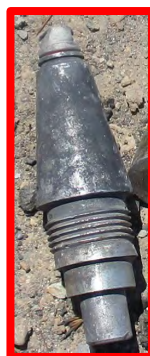
Diameter: 49mm
Length: 96mm
Exposed Length:
61.5mm
Country of Origin: USA

PD and PIBD Fuzes



GK-2 (PD)

Diameter: 40mm
Length: 101.3mm
Exposed Length: 75mm
Country of Origin: USSR



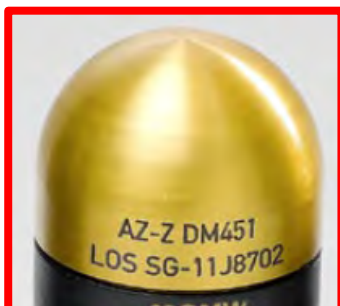
GO-2 (PD)

Diameter: 40mm
Length: 131mm
Exposed Length: 77mm
Notes: Used with OG-7, OG-9
and OG-15 projectiles.
Country of Origin: USSR,
Bulgaria



V-5K (PD)

Diameter: 40mm
Length: 120mm
Exposed Length:
104mm
Country of Origin: USSR



AZ-Z DM451

Diameter: 40mm
Length: **INFORMATION NEEDED**
Exposed Length:
INFORMATION NEEDED
Country of Origin: Germany

PD and PIBD Fuzes



V-429 and V-429E (PD)

Diameter: 41mm
Length: 105mm
Length of Exposed Portion
Without Cap: 58mm
Country of Origin: USSR



DZM

Diameter: 40mm
Length: 96.3mm
Exposed Length: **INFORMATION
NEEDED**
Country of Origin: Poland



M739A1 (PD)

Diameter: 61mm
Length: 152mm
Exposed Length: 96mm
Note: Used with 155mm HE shells of the
NATO standard.
Country of Origin: USA



MRV-U (PD)

Diameter: 64mm
Length: 195mm
Exposed Length:
141.1mm
Country of Origin: USSR



PD and PIBD Fuzes



AZ111 and AZ111-A2
(PD)

Diameter: 49mm
Length: 87mm
Exposed Length: 61mm
Country of Origin: Iran



M/49/62
(PD)

Diameter: 31.5mm
Length: **INFORMATION NEEDED**
Length of Exposed Portion
without cap: 55mm
Length of Exposed Portion With Cap: 57mm
Country of Origin: Denmark



M783
(PD)

Diameter: 49mm
Length: 94.5mm
Exposed Length: 66mm
Country of Origin: USA

PD and PIBD Fuzes



M557
(PD)

Diameter: 61mm
Length: 151mm
Exposed Length: 94mm
Country of Origin: USA



AF72
(PD)

Diameter: 40mm
Length: 114mm
Exposed Length: 72mm
Country of Origin: Bulgaria



AF76
(PD)

Diameter: 40mm
Length: 133mm
Exposed Length: **INFORMATION NEEDED**
Country of Origin: Bulgaria



UT M68P1
(PD)

Diameter: 46mm
Length: 87mm
Exposed Length: 61mm
Country of Origin: Ukraine, Yugoslavia, Serbia



UTIU M85
(PD)

Diameter: 40mm
Length: 109mm
Exposed Length: 62mm
Country of Origin: Serbia

PD and PIBD Fuzes



AF69 (PD)

Diameter: 40mm
Length: 122mm
Exposed Length: 71mm
Country of Origin: Bulgaria



AR-MDH (PD)

Diameter: 49mm
Length: 95mm
Exposed Length: 68mm
Country of Origin: Bulgaria



PDB 332 (PD)

Diameter: 49mm
Length: 95mm
Exposed Length: 67mm
Country of Origin: Spain

UTI M63 (PD)

Diameter: 38mm
Length Without Cap: 67mm

Exposed Length Without Cap:
32mm

Country of Origin: Former Yugoslavia



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Proximity Fuzes



AR-5 (proximity)

Diameter: 42mm
Length: ~140mm
Exposed Length: ~90mm
Country of Origin: USSR



AR-6 (proximity)

Diameter: 66mm Length: ~250mm
Exposed Length: ~200mm
Country of Origin: USSR



9E260-1 (proximity)

Diameter: **INFORMATION NEEDED**
Length: 298mm
Exposed Length: **INFORMATION NEEDED**
Country of Origin: Russia

Time Fuzes

D-1 and D-1U

Diameter: 40.39mm

Length without cap: 106mm



Exposed Length without Cap:
59.9mm

Country of Origin: USSR



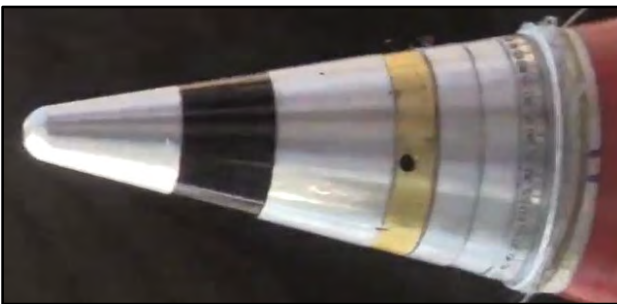
T-1

Diameter: 40.39mm

Length without cap: 71.1mm

Exposed Length without Cap:
59.9mm

Country of Origin: USSR



T-7

Diameter: 64mm

Length: 157mm

Exposed Length: 128mm

Country of Origin: USSR



DTM-75

Diameter: 63mm

Length: 139mm

Country of Origin: USSR

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Time Fuzes



T-90

Diameter: 41mm

Length: 108mm

Exposed Length:
61mm

Country of Origin: USSR



TM-120

Diameter: 64mm

Length: 195mm

Exposed

Length: 140mm

Country of Origin: Russia



M767A1

Diameter: 61mm

Length: 134mm

Exposed Length: 95.5mm

Country of Origin: USA



M577

Diameter: 61mm

Length: 134mm

Exposed Length:
96mm

Country of Origin: USA

Time Fuzes



M776

Diameter: 49mm

Length: 87.6mm

Exposed Length: 60mm

Country of Origin: USA

Propellant

Propellant charges are designed to accelerate projectiles.

Propellant



Propellant Charge for PG-7 Series

Diameter: 40mm
Length: ~270mm
Fin span: 285mm
Country of Origin:
USSR, Bulgaria

[RPG-7 Series](#)



PG-7 Flight Motor (PG-7P)

Diameter: 40mm
Length: ~270mm
Country of Origin: USSR,
Bulgaria



[RPG-7 Series](#)

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Propellant



Propellant Charge for OG-9 and PG-9

Diameter: **INFORMATION NEEDED**

Length: **INFORMATION NEEDED**

Note: Has an electric primer.

Country of Origin: USSR, Bulgaria

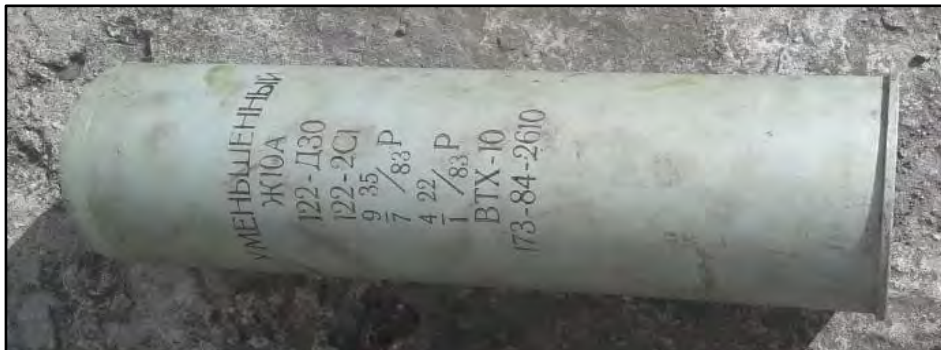
Propellant Charge for OG-15 and PG-15

Diameter of body: 73mm

Length: 112mm

Note: Has an electric primer.

Country of Origin: USSR, Bulgaria



Propellant Cartridge for 122mm Artillery Projectile

Length: 446mm

Diameter: 127mm

Country of Origin: USSR

Propellant



M232 Propellant Charge

Diameter: 152mm

Length: ~156mm

Country of Origin: USA

Pyrotechnics

Pyrotechnic devices include signal and smoke devices.

Pyrotechnics



Handheld Lighting and Signaling Cartridges

Diameter: 30mm

Length: 225mm

Country of Origin: USSR/Russia



DM-11 Smoke Pot

Diameter: 156mm

Height: 97mm

Note: Comes with and without a handle.

Country of Origin: USSR



UDSh

Diameter: 318mm

Height: 139mm

Country of Origin: USSR



UDSh-U

Diameter: ~325mm

Height with transport cover: not more than 155mm

Country of Origin: Ukraine

[Return to Table of Contents](#)

Pyrotechnics



Ground Signaling Cartridge

Diameter: 37mm
Length: 100mm
Country of Origin: USSR



PPR-50

Height: 200mm
Diameter:
50mm
Country of Origin:
Russia/USSR



L221

Height: 200mm
Diameter: 50mm
Country of Origin:
Russia/USSR



3D6/3D6M Smoke Grenade

Height: 220mm
Diameter: 81mm
Country of Origin: Russia

Pyrotechnics



L376-2 "Yagel" Decoy

Height: **INFORMATION NEEDED**

Caliber: 50mm

Diameter:

INFORMATION NEEDED

Country of Origin:

Russia

Miscellaneous

When compared to other ammunition “miscellaneous” items do not fall into other ammunition categories.

Miscellaneous



Thermal Battery for 9K32 "Strela-2"

Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Note: Heats up to a high temperature
when activated.
Country of Origin: USSR



Thermal Battery for 9K38 and 9K310 "Iгла" and "Iгла-1"

Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Country of Origin: USSR



Battery Coolant Unit for FIM-92 Stinger

Diameter: ~86mm
Length: 95mm
Country of Origin: USA

[FIM-92 Stinger](#)



9B899 Decoy

Body Diameter: 68mm
Diameter of Orange Tail Section:
108mm
Length (without nose cap):
430mm
Country of Origin: USSR



[Iskander and Iskander-M](#)

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Miscellaneous



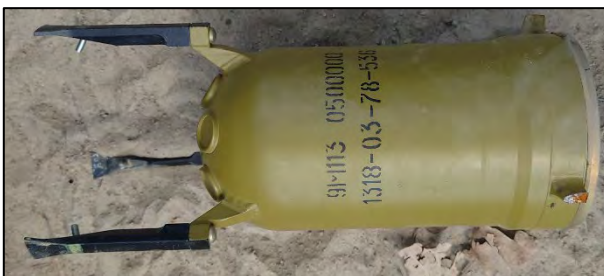
Launch Motor for FIM-92 Stinger
Diameter: **INFORMATION NEEDED**
Length: **INFORMATION NEEDED**
Country of Origin: USA

[FIM-92 Stinger](#)



Launch Motor for
9K111 "Fagot"
(HATO: AT-4A
Spigot)

Diameter: ~120mm
Length: **INFORMATION NEEDED**
Note: Can be black or green.
Country of Origin: USSR



Launch Motor for
9M113 Konkurs

Diameter of Body: 110mm
Total Length: 286mm
Length of Body: 205mm
Note: Can be black or green.
Country of Origin: Russia

[9M113 Konkurs](#)



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Miscellaneous



**Launch Motor for
9M120F Ataka**
Diameter: 130mm
Length: 190mm
Country of Origin: Russia

[9M120F Ataka](#)



Launch Motor for RPO-A
Diameter: 90mm
Length: 210mm
Country of Origin: Russia

[RPO-A](#)



[Return to Table of Contents](#)

Miscellaneous



Contact Cover for 122mm Rockets

Body Diameter: ~127mm

Diameter of Cap: 71mm

Length with Cap: 110mm

Country of Origin: Russia

[122mm "Grad"](#)



NATO Lifting Plug for Artillery Projectiles

Dimensions: Varies

Note: Plugs do not contain explosives themselves, and are replaced with a fuze prior to the projectile being fired.

Country of Origin: NATO



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Miscellaneous



Modular Reactive Armor

KhSchKV-19

Width: 125mm

Length: 250mm

Height: 24mm

Country of Origin: Ukraine



Modular Reactive Armor

KhSchKV-34

Width: 125mm

Length: 250mm

Height: 36mm

Country of Origin: Ukraine



4S20 Reactive Armor Panel

Width: 130mm

Length: 255mm

Note: There are usually 2 pieces in a metal case.

Country of Origin: USSR



Reactive Armor Box (model unk)

Width: 137mm

Length: 312mm

Note: Contains 2 4S20 reactive panels.

Country of Origin: USSR

Miscellaneous



OZ-1 Cratering Charge
Diameter of Base: 420mm
Height: 900mm
Weight of Assembly: 3.5kg
Country of Origin: Russia



KZ-4
Diameter: 410mm
Height: 440mm
Country of Origin: Russia

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Miscellaneous



ML-5
Length: 41mm
Thickness: 22mm
Country of Origin:
USSR

[Grad](#)



EDP
Diameter: 6.8-7.05mm
Length: 45.8-48.5mm
Country of Origin: USSR/Russia



EDP-r
Diameter: 6.8-7.05mm
Length: 45.8-48.5mm
Country of Origin: USSR/Russia



**Grenade Discharge Cup for
AK**
Country of Origin: USSR/Russia

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OFAB-250-270



[RETURN](#)

FAB-500 M-62



[RETURN](#)

OFAB-500U



[RETURN](#)

OFZAB-500



[RETURN](#)

OFZAB-500



[RETURN](#)

UPAB-1500B-E / K029BE



[RETURN](#)

KAB-500Kr



[RETURN](#)

BETAB-500



[RETURN](#)



BETAB-500

RETURN

BETAB-500ShP



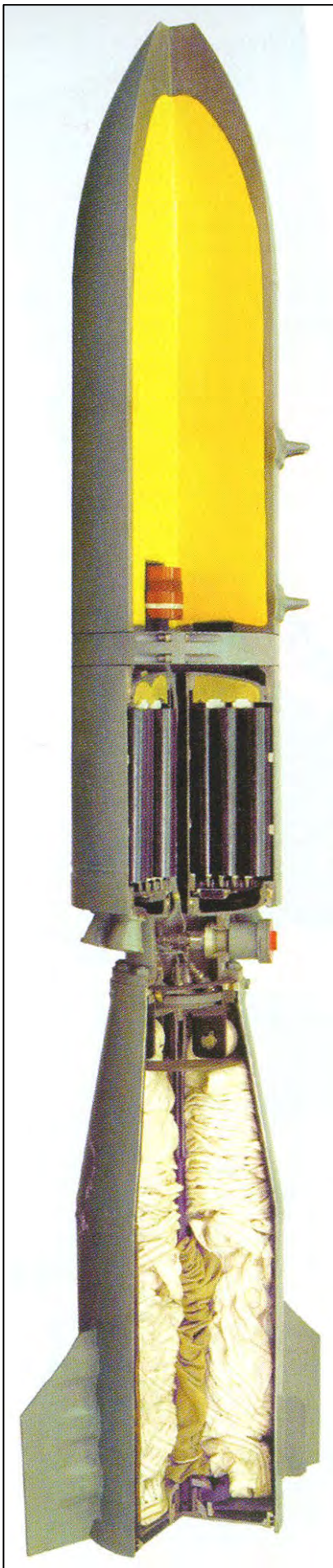
[RETURN](#)

BETAB-500ShP



[RETURN](#)

BETAB-500ShP



[RETURN](#)

JDAMski



[RETURN](#)

Qaem-1



[RETURN](#)

AZB-5



[RETURN](#)

UB-75HE



[RETURN](#)

KAB-20



[RETURN](#)



UAB-20 OFL

[RETURN](#)



UAB-20 OFL

[RETURN](#)



OFSP-2.5-A133

[RETURN](#)

OFSP-1.7-A133 /
OFSP-1.7-A133 (variant)



[RETURN](#)

OFSP-08-A133



[RETURN](#)

OFSP-05-A133 / B133



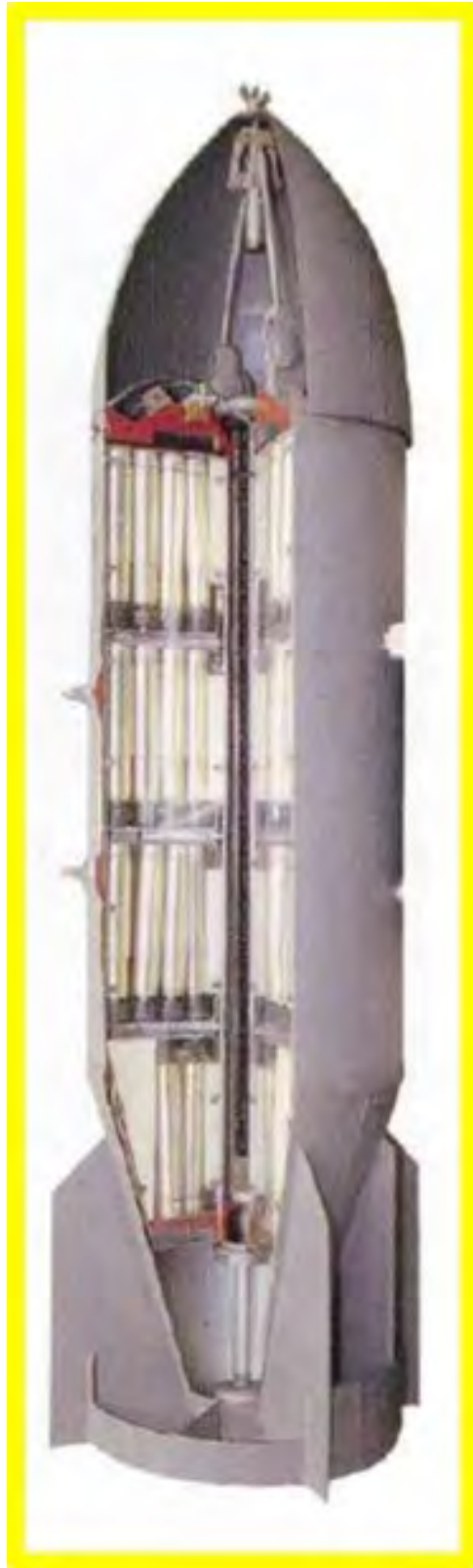
RETURN

RBK-250 PTAB-2.5M



[RETURN](#)

RBK-500



[RETURN](#)

O FAB-500ShR



[RETURN](#)

O FAB-500ShR



[RETURN](#)



RBK-500
ShOAB-0.5

[RETURN](#)

RBK-500 ShOAB-0.5



[RETURN](#)

RBK-500 ShOAB-0.5



[RETURN](#)

3B30



[RETURN](#)

9N235/9N210



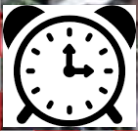
[RETURN](#)

PTM-1



RETURN

PTM-3



[RETURN](#)

PTM-4



[RETURN](#)

PTM-4



RETURN

PTAB-1M



RETURN

PFM-1 and PFM-1S



[RETURN](#)

PFM-1 and PFM-1S



[RETURN](#)

PTAB-2.5M



[RETURN](#)

9N24



RETURN

9N247M



[RETURN](#)

9N247M



[RETURN](#)

9N277



RETURN

9N277



[RETURN](#)

9N277



RETURN

9N288



RETURN

9N288



RETURN

Submunitions from OFAB-500ShR



[RETURN](#)

Submunitions from OFAB-500ShR



[RETURN](#)

M42 and M46



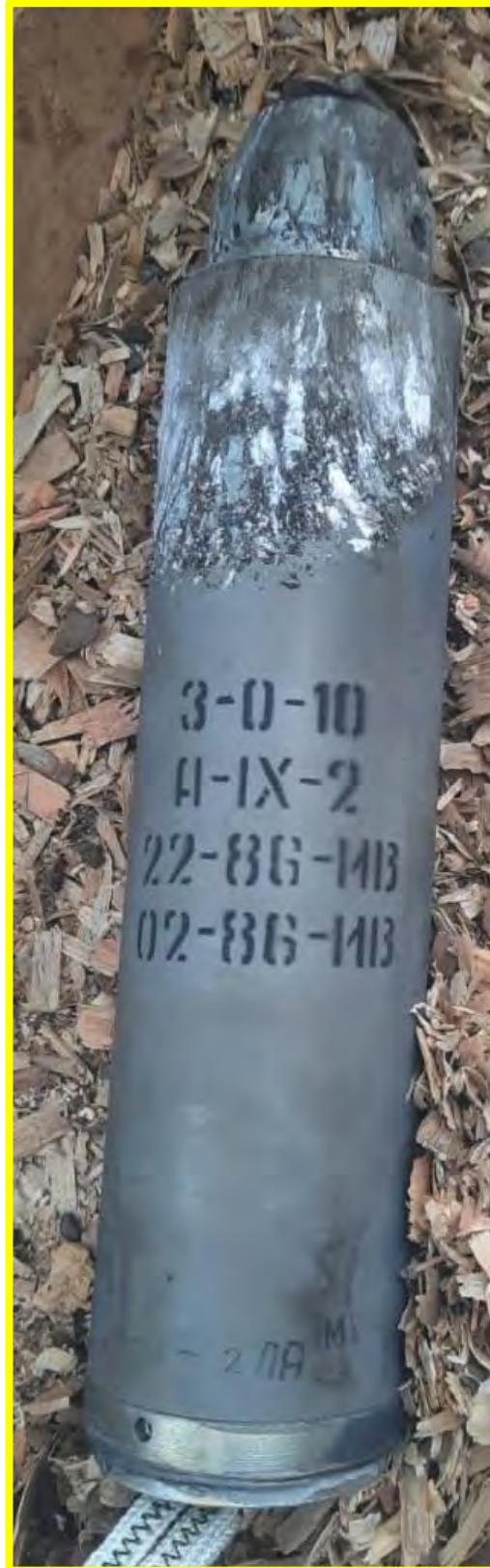
[RETURN](#)

M42 and M46



[RETURN](#)

O-10 / 3-O-10



[RETURN](#)

O-10 / 3-O-10



[RETURN](#)

O16 / 3-O-16



[RETURN](#)

O16 / 3-O-16



RETURN

O25 / 3-O-25



RETURN

O25 / 3-O-25



RETURN

O25 / 3-O-25



RETURN

9N730



RETURN

PTAB-2.5KO



[RETURN](#)

PTAB-2.5KO



[RETURN](#)

ZAB-2.5



RETURN

ZAB-2.5



RETURN

ZAB-2.5



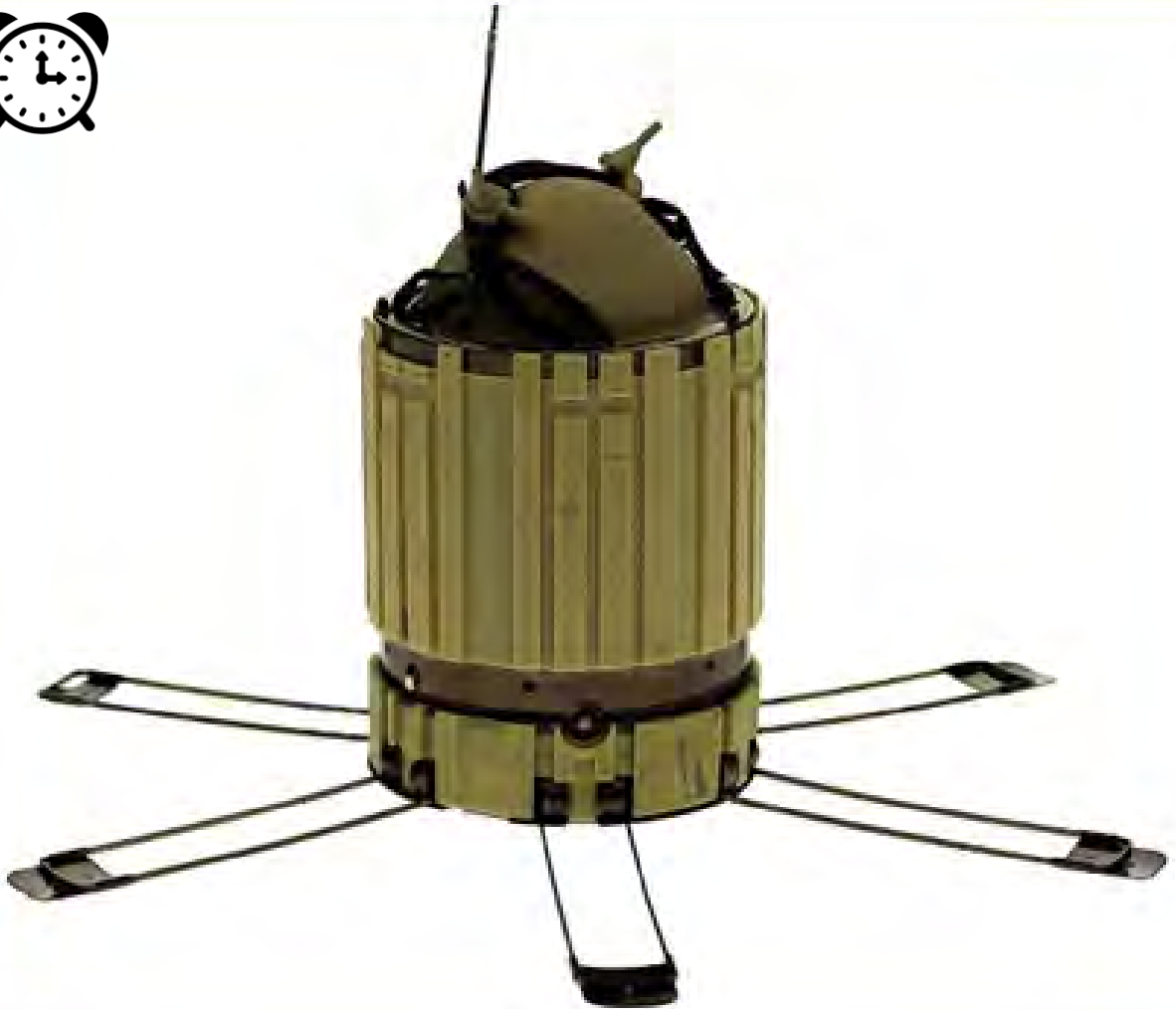
RETURN

AT2 / DM1399



[RETURN](#)

AT2 / DM1399



[RETURN](#)

AT2 / DM1399



RETURN

AT2 / DM1399



[RETURN](#)

RAAMS / M70 / M73



[RETURN](#)

RAAMS / M70 / M73



[RETURN](#)

RAAMS / M70 / M73



[RETURN](#)

SMArt



[RETURN](#)

SMArt



[RETURN](#)

ShOAB-0.5



[RETURN](#)

ShOAB-0.5



[RETURN](#)

M74



[RETURN](#)

M74



RETURN

Submunition from Kh-59MK2



[RETURN](#)

Submunition from Kh-59MK2



[RETURN](#)

AO-2.5RT and AO-2.5RTM



[RETURN](#)

AO-2.5RT and AO-2.5RTM



[RETURN](#)

AO-2.5RT and AO-2.5RTM



[RETURN](#)

AO-2.5RT and AO-2.5RTM



RETURN

BONUS



[RETURN](#)

BONUS



[RETURN](#)

F-1



[RETURN](#)

F-1



[RETURN](#)

F-1



[RETURN](#)

Metal Body RGD-5



RETURN

Metal Body RGD-5



[RETURN](#)

Plastic Body RGD-5



[RETURN](#)

Plastic Body RGD-5



[RETURN](#)

RGN



RETURN

RGN



RETURN

RGN



RETURN

RGO



RETURN

RG0



RETURN

M67



[RETURN](#)

M67



[RETURN](#)

M67



[RETURN](#)

RG-4



RETURN

RG-4



RETURN

RG-4



RETURN

DM51



[RETURN](#)

DM51A2



[RETURN](#)

DM61



[RETURN](#)

DM61



[RETURN](#)

Sirpalekäsikranaatti M/50



[RETURN](#)

Sirpalekäsikranaatti M/50



[RETURN](#)

GHO-1



[RETURN](#)

GHO-1



RETURN

M72



[RETURN](#)

RG-42



RETURN

RG-42



RETURN

MK 14 Mod 0 / ASM



[RETURN](#)

MK 14 Mod 0 / ASM



[RETURN](#)

MK 14 Mod 0 / ASM



[RETURN](#)

RGT-27S2



[RETURN](#)

M50P3



RETURN

M50P3



[RETURN](#)

OF 37



RETURN



RETURN



[RETURN](#)

RKG-3



[RETURN](#)

RKG-3EM / RKG-3E-M



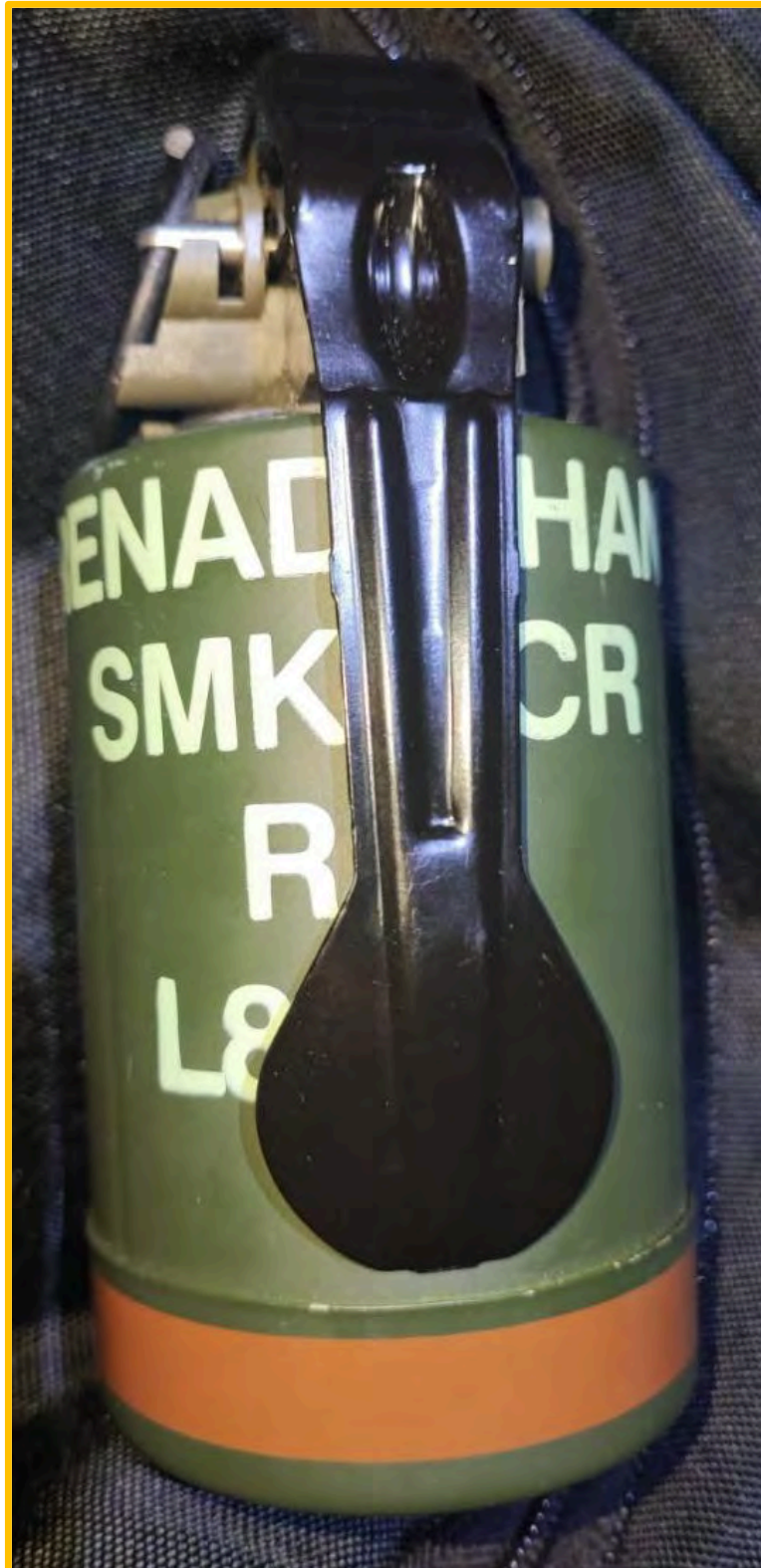
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BRK-M79

[RETURN](#)

L84A1/A2



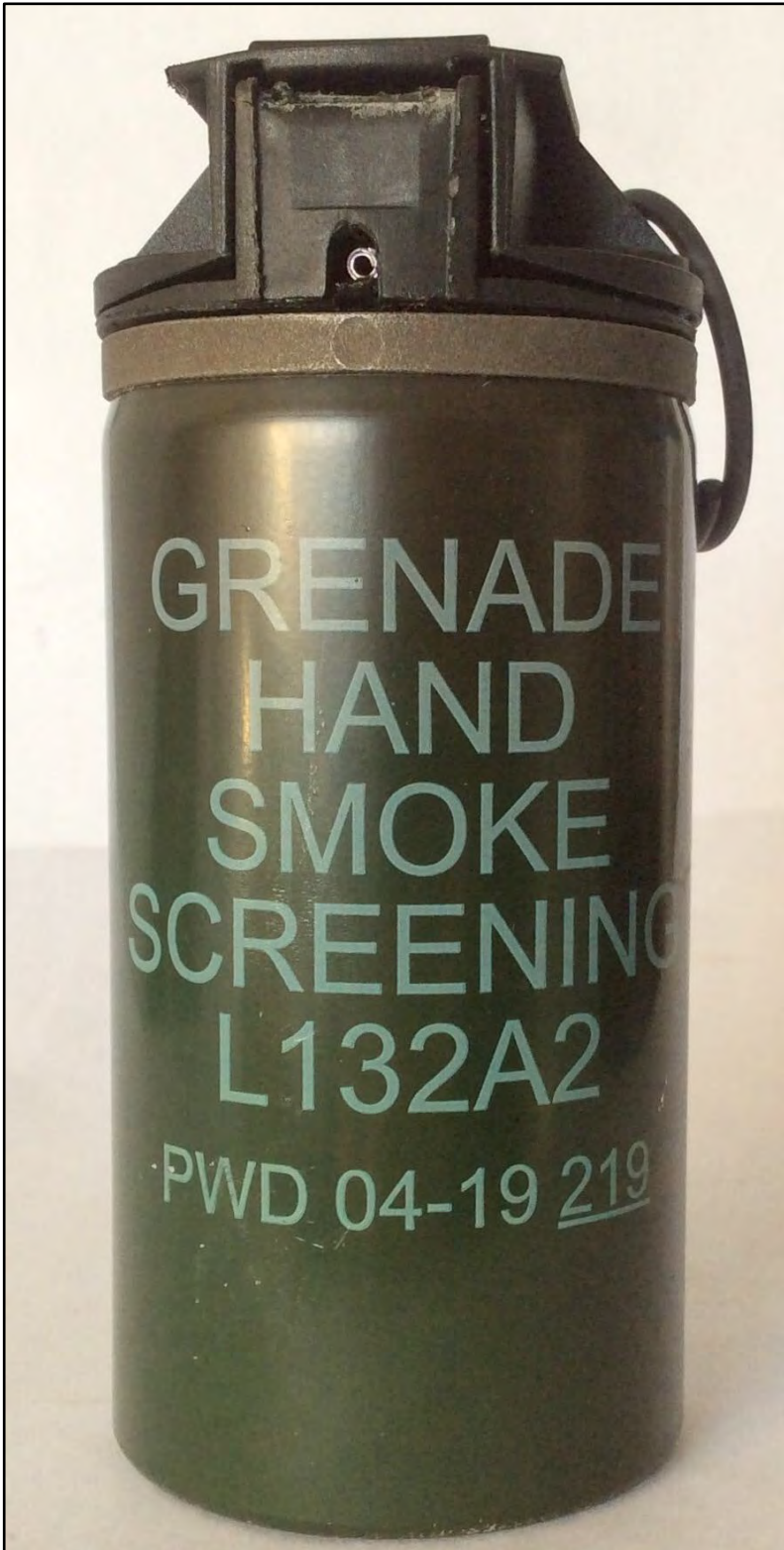
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L84A1/A2



[RETURN](#)

L132A2



[RETURN](#)

L132A2



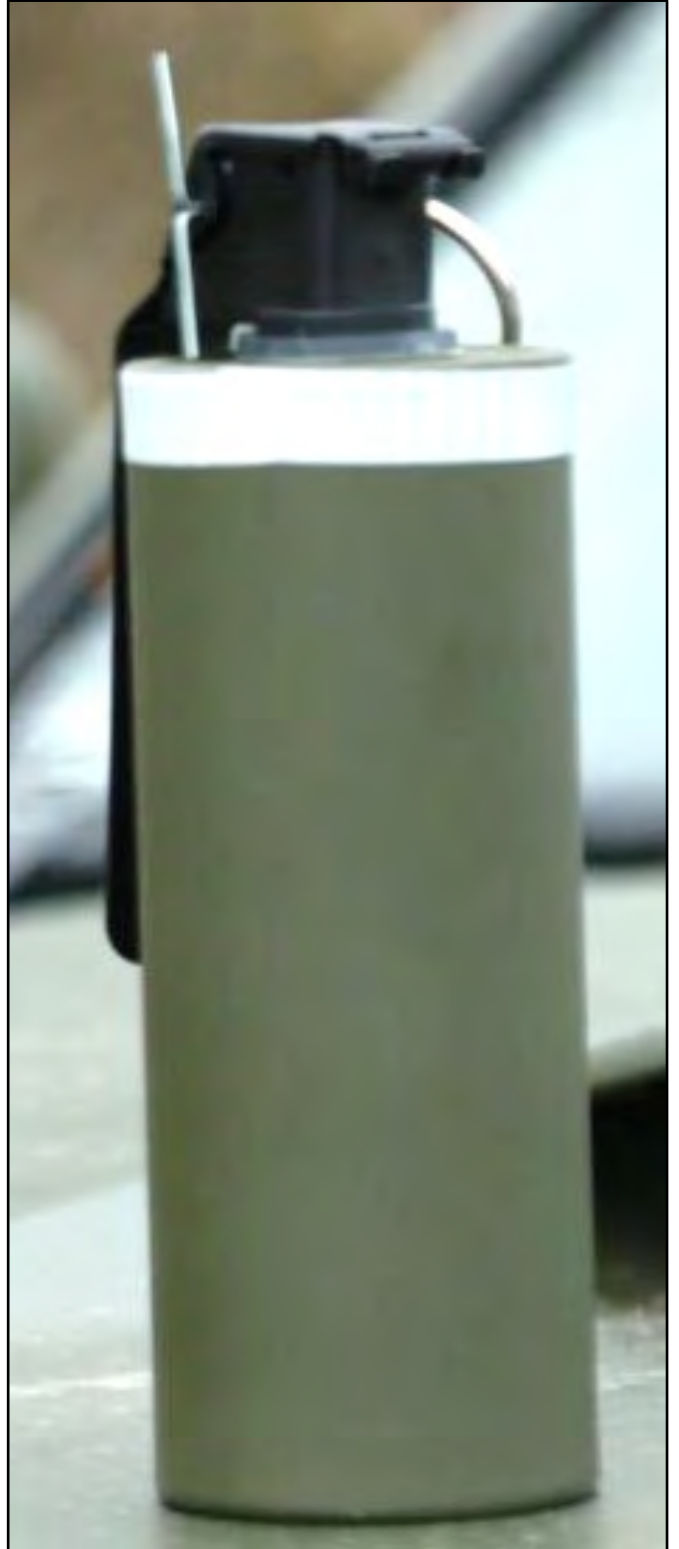
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L132A2



RETURN

DG-1



[RETURN](#)

RDG-M



RETURN

RDG-P



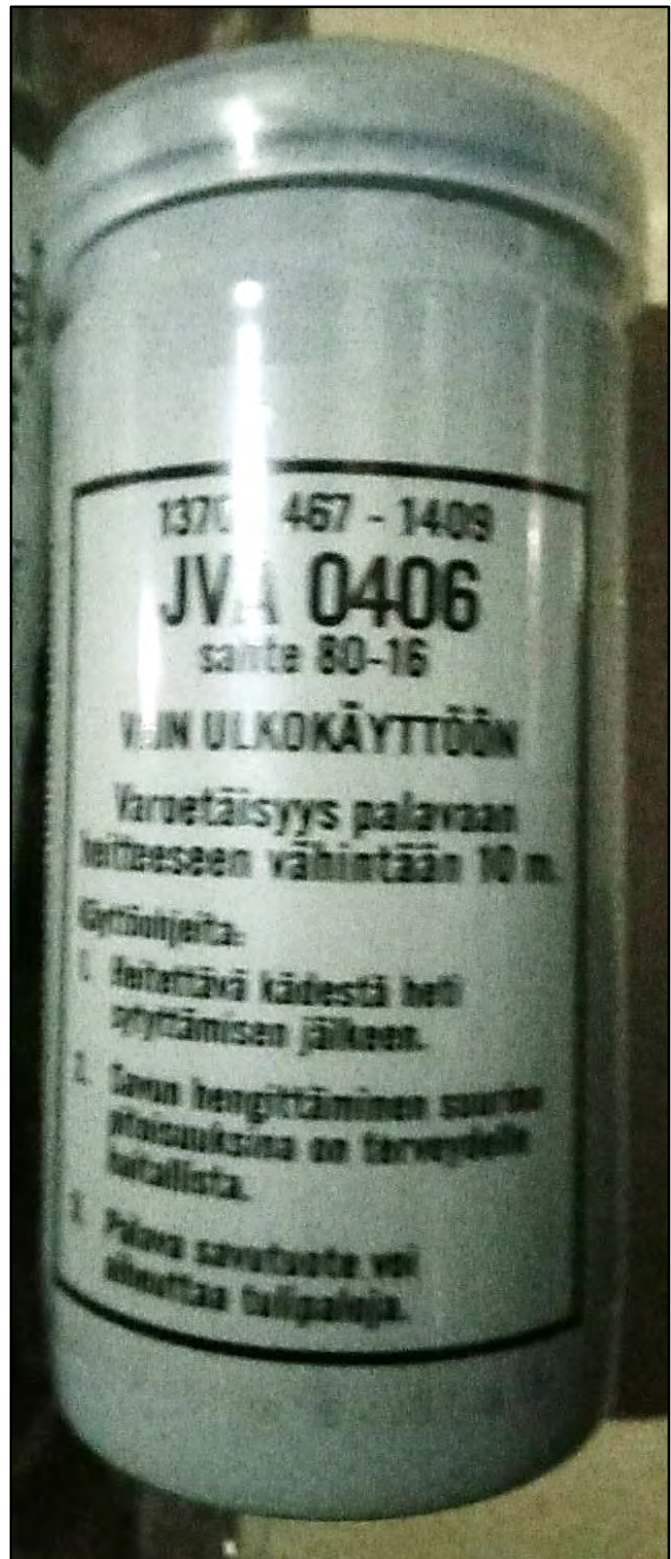
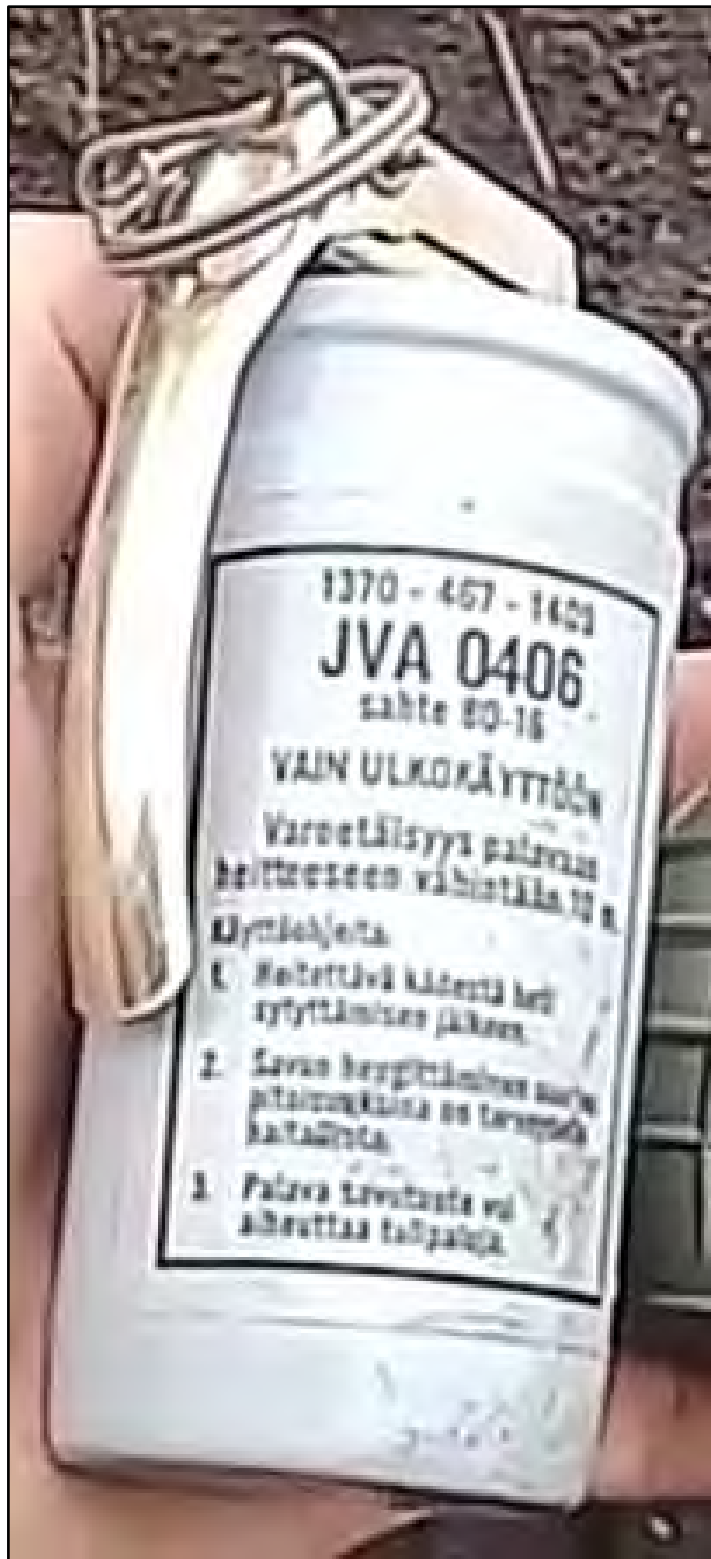
RETURN

RDG-55Ch



[RETURN](#)

JVA 0406



[RETURN](#)

M18



[RETURN](#)

M18



[RETURN](#)

M18



[RETURN](#)

M18



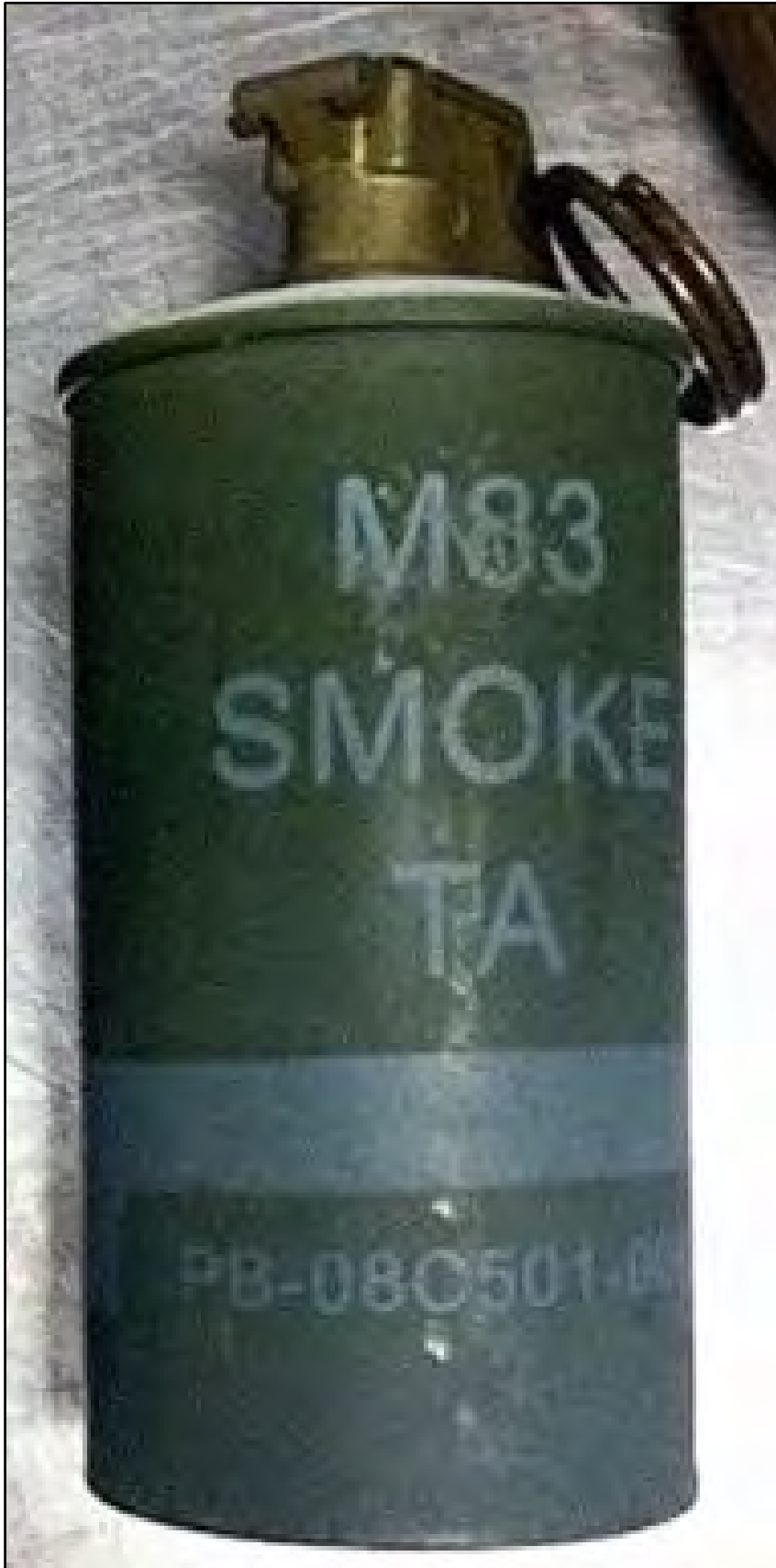
[RETURN](#)

M83 TA



[RETURN](#)

M83 TA



[RETURN](#)

K-51



RETURN

RG-60A3



RETURN

RGR



RETURN

RGR



RETURN

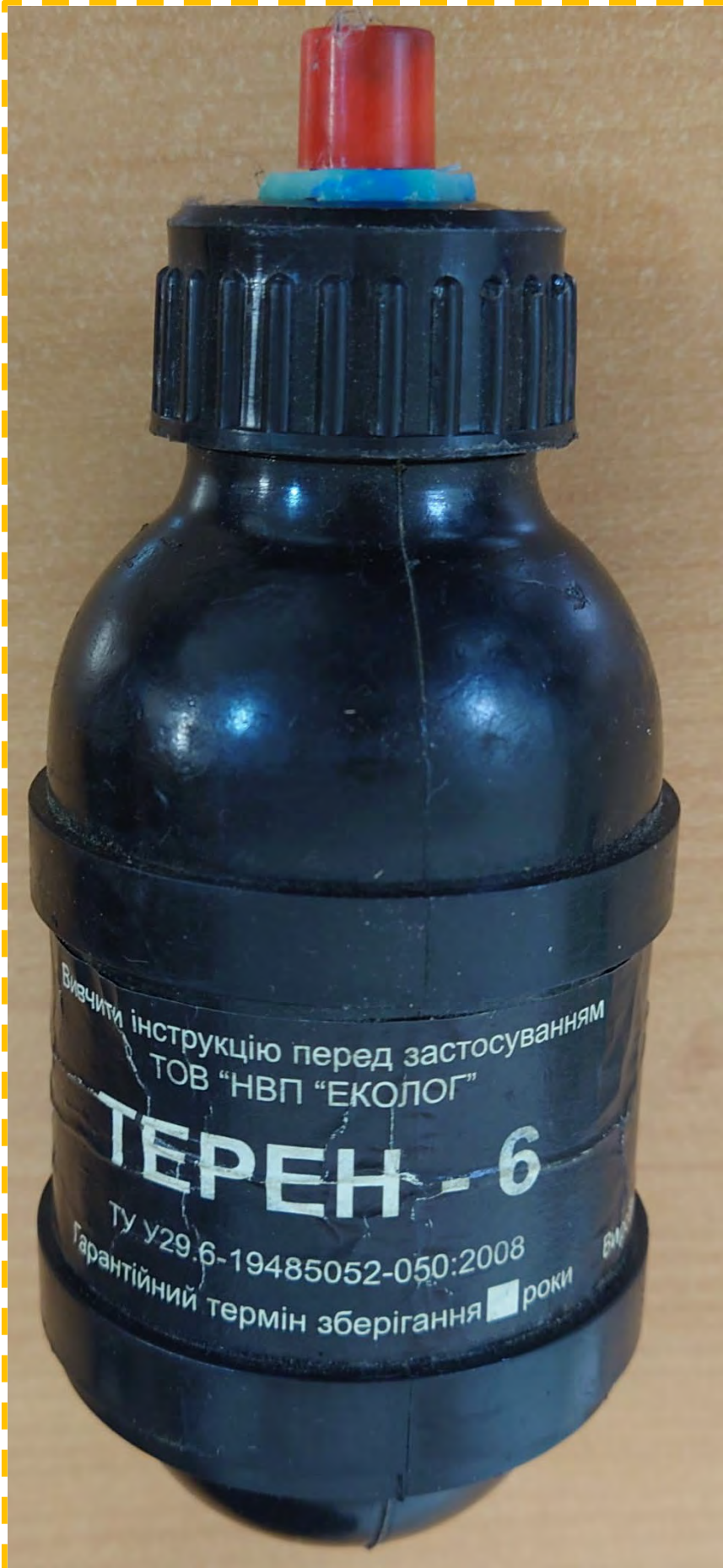
Teren-6



[RETURN](#)

Teren-6

RETURN



Zarya-3



[RETURN](#)

ZMG



RETURN

ZMG



RETURN

RGK-60KD



[RETURN](#)

RGK-60KD



[RETURN](#)

Teren-7M



[RETURN](#)

Teren-7M



[RETURN](#)

PMD-6/7



RETURN

PMD-6/7



[RETURN](#)

PMD-6/7



[RETURN](#)

PMN



RETURN

PMN



[RETURN](#)

PMN-2



RETURN

PMN-2



[RETURN](#)

PMN-2



[RETURN](#)

PMN-4



[RETURN](#)

PMN-4



[RETURN](#)

OZM-72



[RETURN](#)

OZM-72



[RETURN](#)

OZM-72



[RETURN](#)

M18A1 Claymore



[RETURN](#)

M18A1 Claymore



[RETURN](#)

MON-50



RETURN

MON-50



[RETURN](#)

MON-90



[RETURN](#)

MON-100



[RETURN](#)

MON-100



RETURN

MON-200



[RETURN](#)

MON-200



RETURN

POB "Saw"



[RETURN](#)

POB "Saw"



[RETURN](#)

POMZ-2M



[RETURN](#)

POMZ-2M



[RETURN](#)

POM-2



[RETURN](#)

POM-2



[RETURN](#)

KPOM-2



RETURN

POM-3 “Medallion”



[RETURN](#)

POM-3 “Medallion”



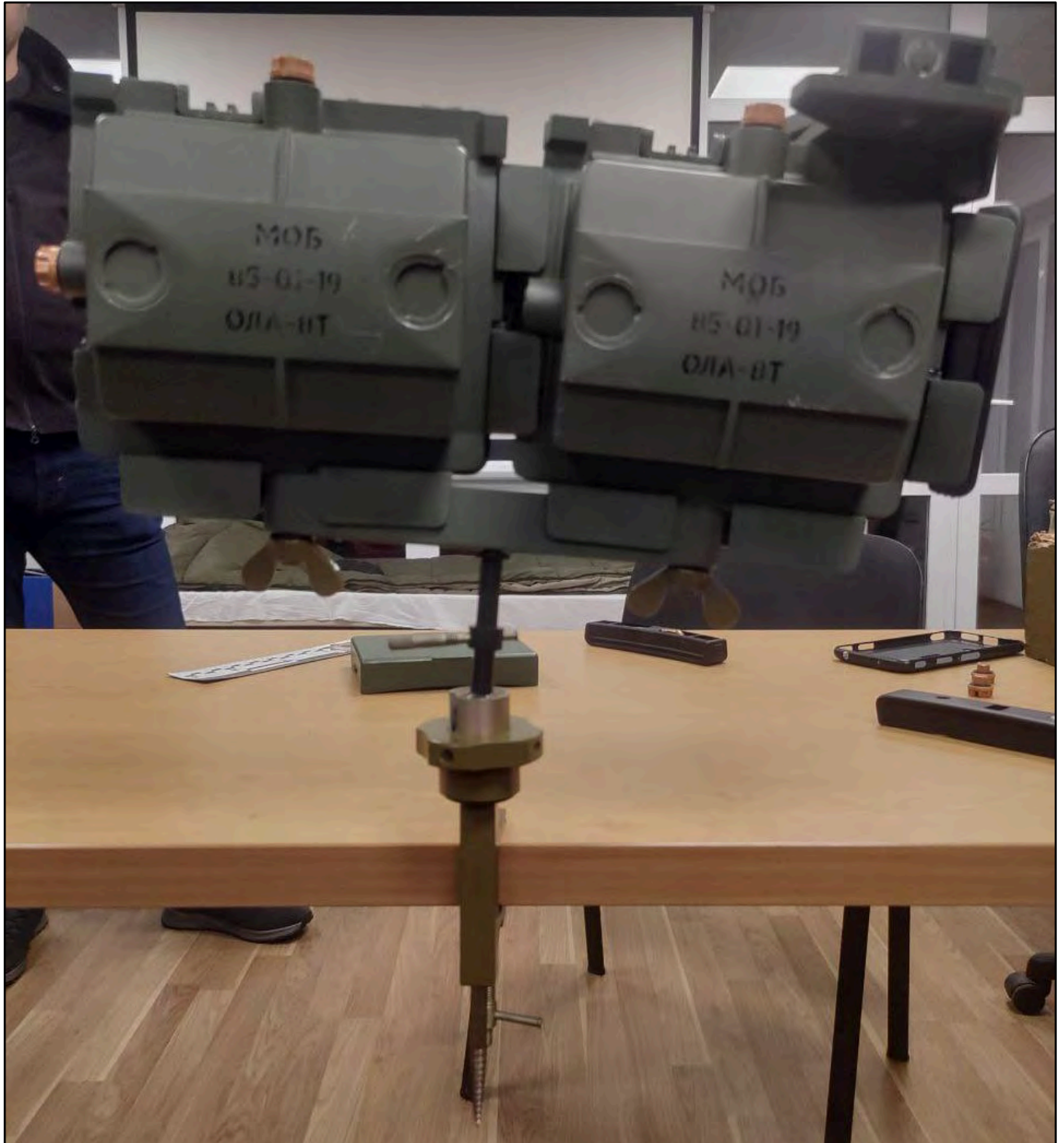
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KPOM-3



RETURN

MOB



[RETURN](#)

MOB



RETURN

TM-46 and TMN-46



[RETURN](#)

TM-57



RETURN

TM-57



RETURN

TM-62M



[RETURN](#)

TM-62M



[RETURN](#)

TM-62D



[RETURN](#)

TM-62D



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TM-62P2



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TM-62P2



RETURN

TM-62P3



RETURN

TM-62P3



[RETURN](#)

TM-72



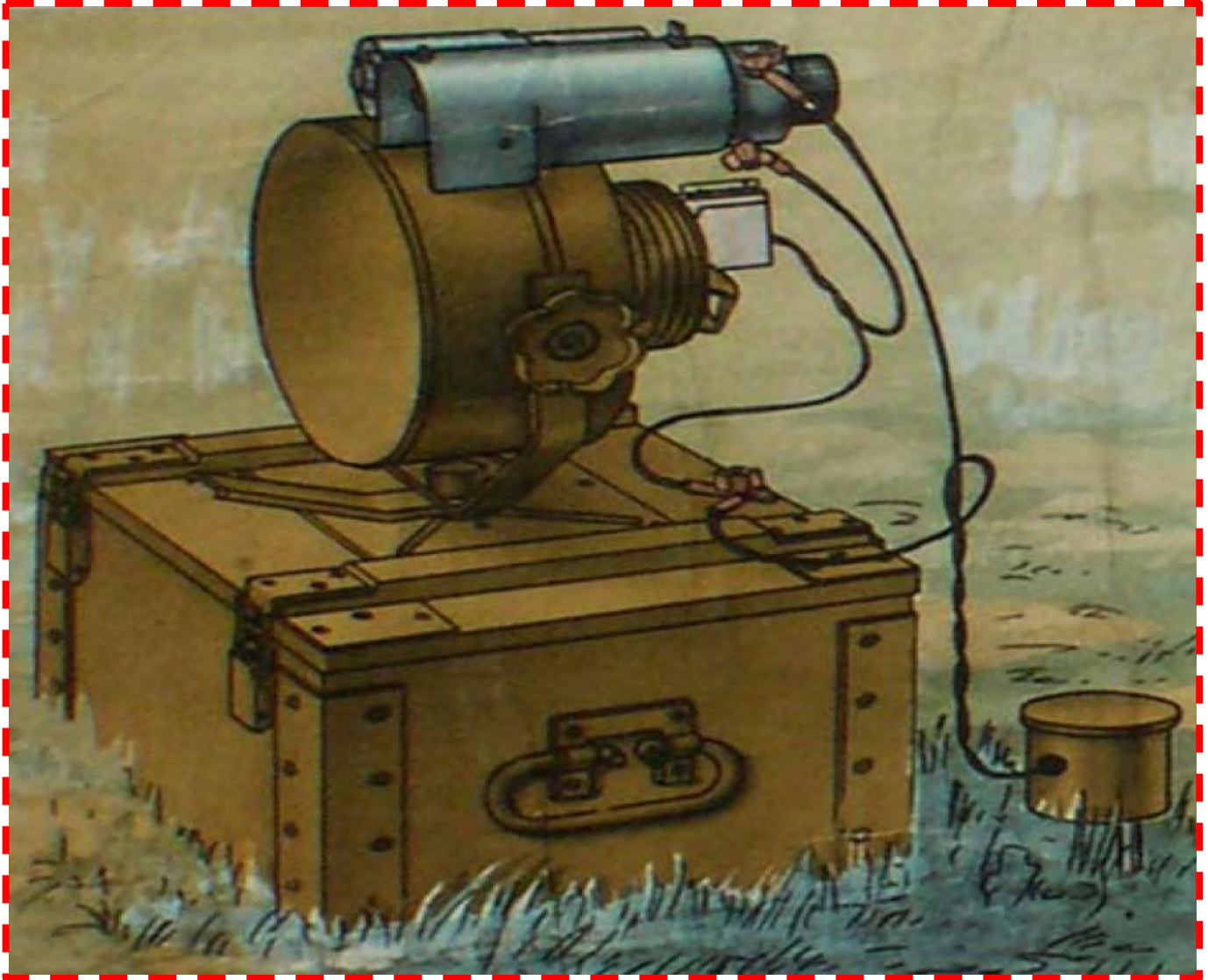
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TM-83



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TM-83



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PTKM-1R



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PTKM-1R



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PTKM-1R



RETURN

PTKM-1R



[RETURN](#)

PTKM-1R



RETURN

PTKM-1R



RETURN

HPD2A2



[RETURN](#)

HPD2A2



[RETURN](#)

HPD2A2



RETURN

DM31



[RETURN](#)

DM31



[RETURN](#)



M-14/PK-14



RETURN

PARM



[RETURN](#)

PARM



[RETURN](#)

Stridsvagnsmina m/52B



[RETURN](#)

Stridsvagnsmina m/52B



[RETURN](#)

Pansermine M/56



[RETURN](#)

Pansermine M/56



[RETURN](#)

MAT-76



[RETURN](#)

MI AC AH F1

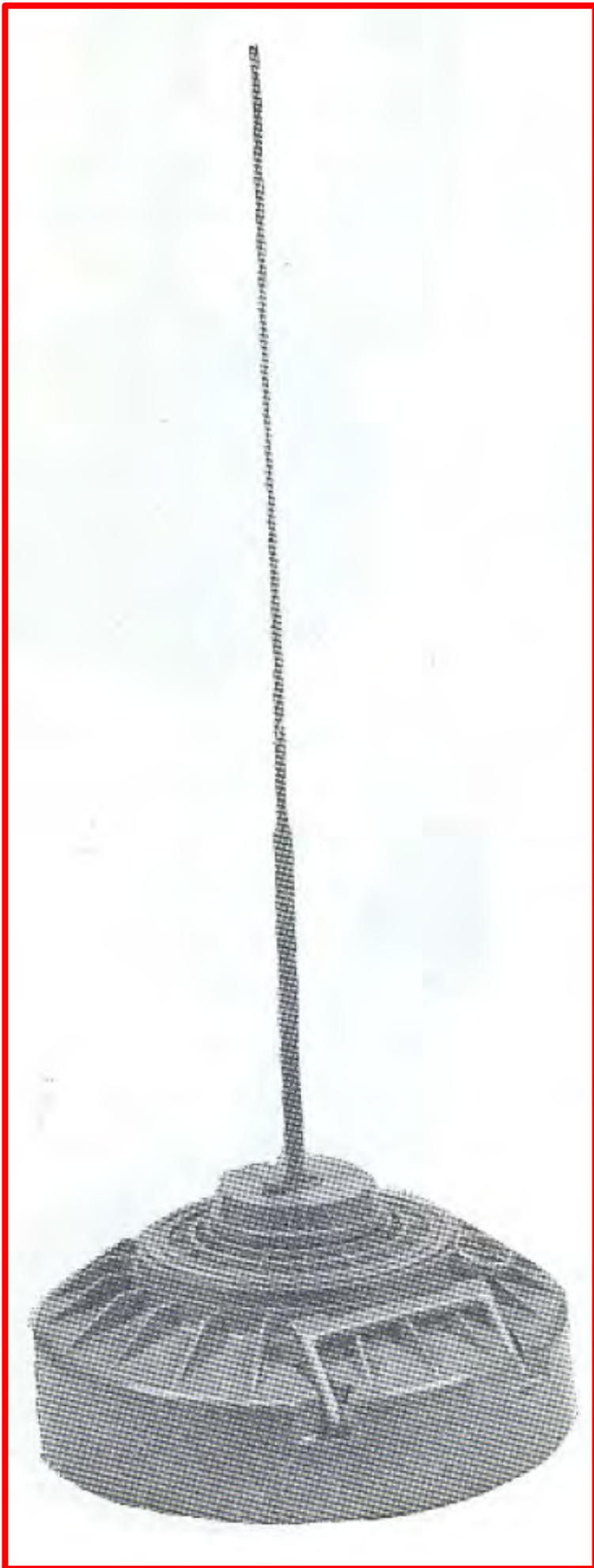


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KRM-T / PTM-4R



[RETURN](#)



TMRP-6

[RETURN](#)

TMRP-6



RETURN

TMRP-6



[RETURN](#)

ML-7



RETURN

ML-7



RETURN

ML-8



[RETURN](#)

ML-8



RETURN

ML-8



[RETURN](#)

MS-3



RETURN

MS-3



RETURN

MS-4



RETURN

MS-4



RETURN

YaRM



[RETURN](#)

YaRM



RETURN

PDM-1M



[RETURN](#)

PDM-1M



[RETURN](#)

PDM-4



[RETURN](#)

KPDM-4



Противодесантная камера
Модель КРДМ-4

[RETURN](#)

SPM



[RETURN](#)

SPM



RETURN

M49A1



[RETURN](#)

SM Signal Mine



[RETURN](#)

SM Signal Mine



[RETURN](#)

60mm O-LM60



[RETURN](#)

60mm J-M49A2



[RETURN](#)

60mm HE60 MA



[RETURN](#)

60mm HE60



[RETURN](#)

60mm Iranian Mortar



[RETURN](#)

60mm UB60



[RETURN](#)

60mm M768A1



[RETURN](#)

60mm M73

RETURN



60mm Chinese Mortar

[RETURN](#)



60mm GE M/972



[RETURN](#)

82mm O-832



[RETURN](#)

82mm O-832



[RETURN](#)



82mm O-832DU

[RETURN](#)

82mm O-832-DU



[RETURN](#)

82mm O-832-DU



[RETURN](#)

82mm HE 82



[RETURN](#)

82mm HE 82 M



[RETURN](#)

82-mm Ukrainian-produced Mortar



[RETURN](#)

82mm 3V035E



[RETURN](#)

82mm S-832S



[RETURN](#)

82mm D-832DU



[RETURN](#)

120mm D-5 Mortar



[RETURN](#)

120mm OF-843B Mortar



[RETURN](#)

120mm Illumination Mortar



[RETURN](#)

120mm HE-843B

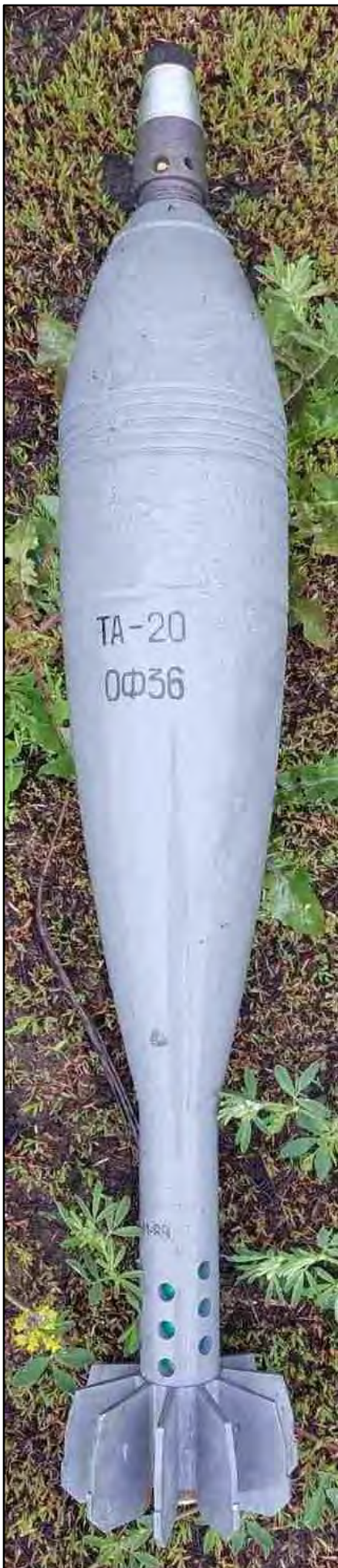


[RETURN](#)

120mm OF34

[RETURN](#)





120mm OF36

[RETURN](#)

120mm M/50



[RETURN](#)

120mm M933A1



[RETURN](#)

120mm M1101



[RETURN](#)

120mm M48



RETURN

120mm Incendiary Mortar



[RETURN](#)

120mm M44A2



[RETURN](#)

120mm JVA 1571



[RETURN](#)

120mm M971



[RETURN](#)



120mm
OF-NMR

RETURN

120mm HE120



[RETURN](#)

120mm M930



[RETURN](#)

120mm M62P10



[RETURN](#)

240mm F-864



[RETURN](#)

240mm 3VF2/3F2



[RETURN](#)

12.7mm MDZ



[RETURN](#)

14.5mm MDZ-M



[RETURN](#)

23mm BZ and BZT



[RETURN](#)

23mm OFZ



[RETURN](#)

23mm OFZT



[RETURN](#)

23mm Cartridge for the R-23 “Rikhter” Gun



[RETURN](#)

30mm VOG-17M



[RETURN](#)

30mm VOG-30D



[RETURN](#)

30mm VOG-30D



RETURN

30mm RHV-HEF



[RETURN](#)

30mm M93 P1



[RETURN](#)

30mm BZT



[RETURN](#)

35mm DM31



[RETURN](#)

37mm BZT



[RETURN](#)

37mm OR-167 and OR-167N



[RETURN](#)

40mm VOG-25



[RETURN](#)

40mm VOG-25P



[RETURN](#)

40mm VOG-25PM (7P45)



[RETURN](#)

40mm VOG-25M



[RETURN](#)

40mm RLV-HEFJ



RETURN

40mm RLV-HEF



[RETURN](#)

40mm M430 and M430A1



[RETURN](#)

40mm M433



[RETURN](#)

40mm DM121



[RETURN](#)

40mm DM42



[RETURN](#)

43mm VGM93.200



[RETURN](#)

43mm VGM93.900



[RETURN](#)

43mm MO.1.16.02



[RETURN](#)

57mm OR-281



[RETURN](#)

57mm OR-281U



[RETURN](#)

OG-9, OG-9M, OG-15B, and OG-15VB



[RETURN](#)

73mm Romanian OG-9



[RETURN](#)

73mm HEAT PG-9, PG-9S, and PG-15



[RETURN](#)



76mm BZR-350B



[RETURN](#)

76mm OF-350V



[RETURN](#)

76mm BK-354M



[RETURN](#)

82mm BK-881 and BK-881M



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85mm BR-365P



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85mm PBR-367



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85mm BR-365



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100mm OF32



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100mm BK16M



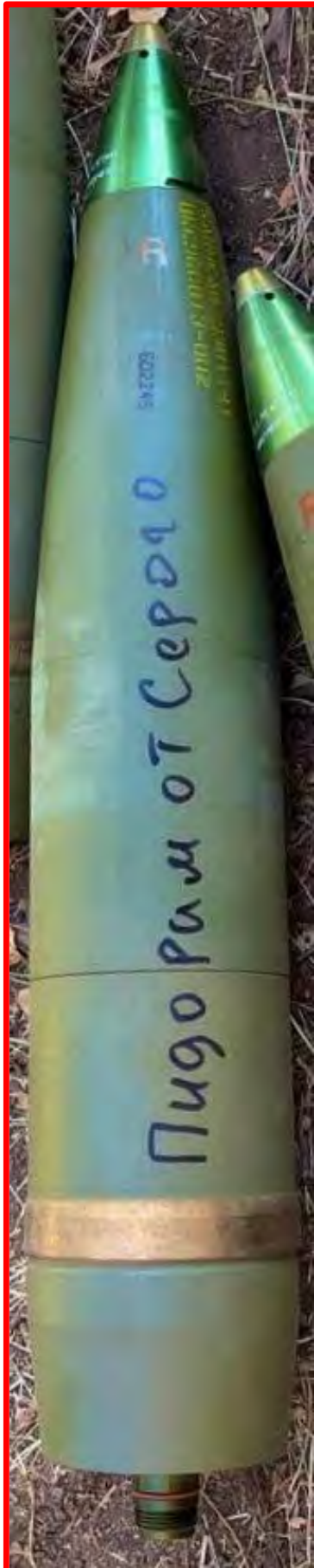
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100mm OF35



[RETURN](#)

105mm M927



[RETURN](#)

105mm M1



[RETURN](#)

105mm M393A3



[RETURN](#)

115mm Projectile (APFSDS-T)



[RETURN](#)

115mm BK-4M



[RETURN](#)

120mm 3OF49



[RETURN](#)

120mm 3OF50



[RETURN](#)



120mm 3BK19

[RETURN](#)



120mm DM11

[RETURN](#)



120mm DM53/
DM53A1

[RETURN](#)



120mm IM HE-T

[RETURN](#)

122mm Sh-1



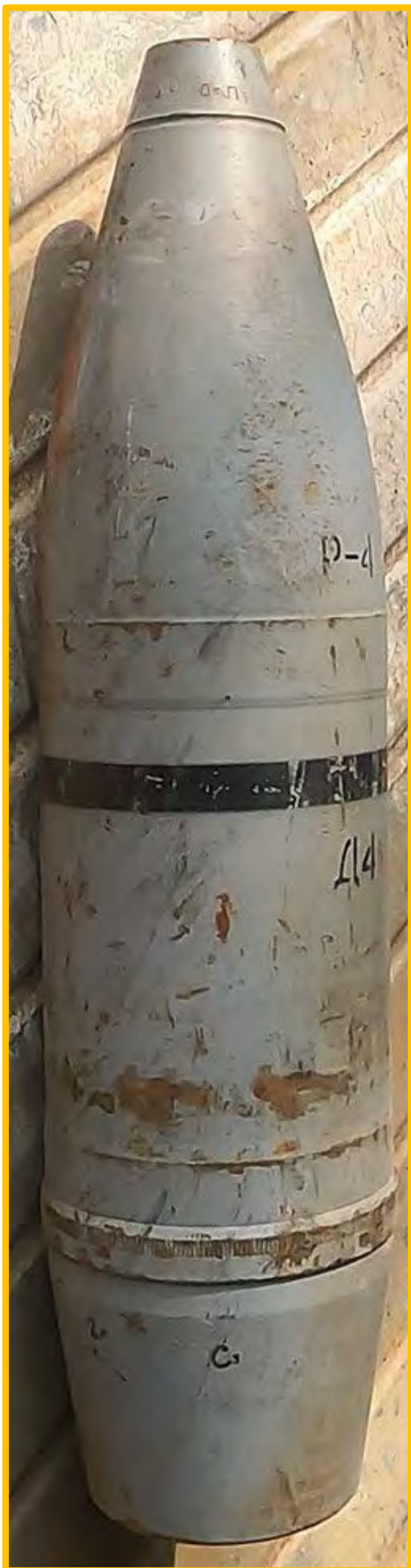
[RETURN](#)

122mm S4Zh



[RETURN](#)

122mm D-4



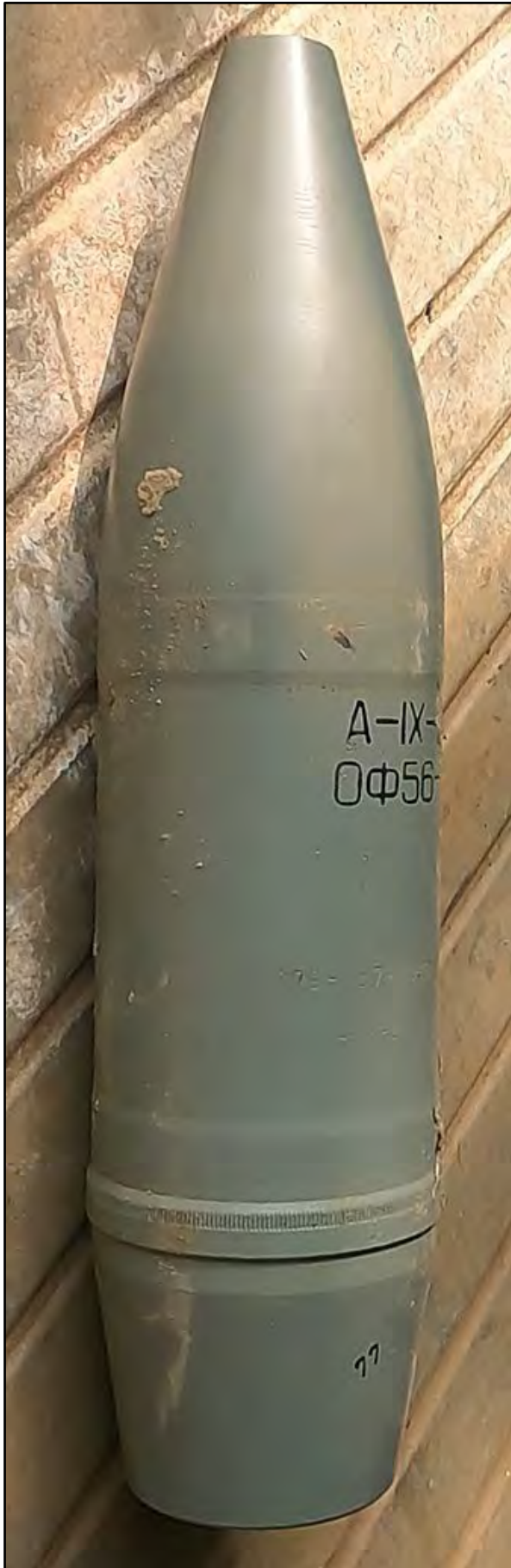
RETURN

122mm D-4



RETURN

122mm OF56 and OF56-1



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122mm OF24Zh



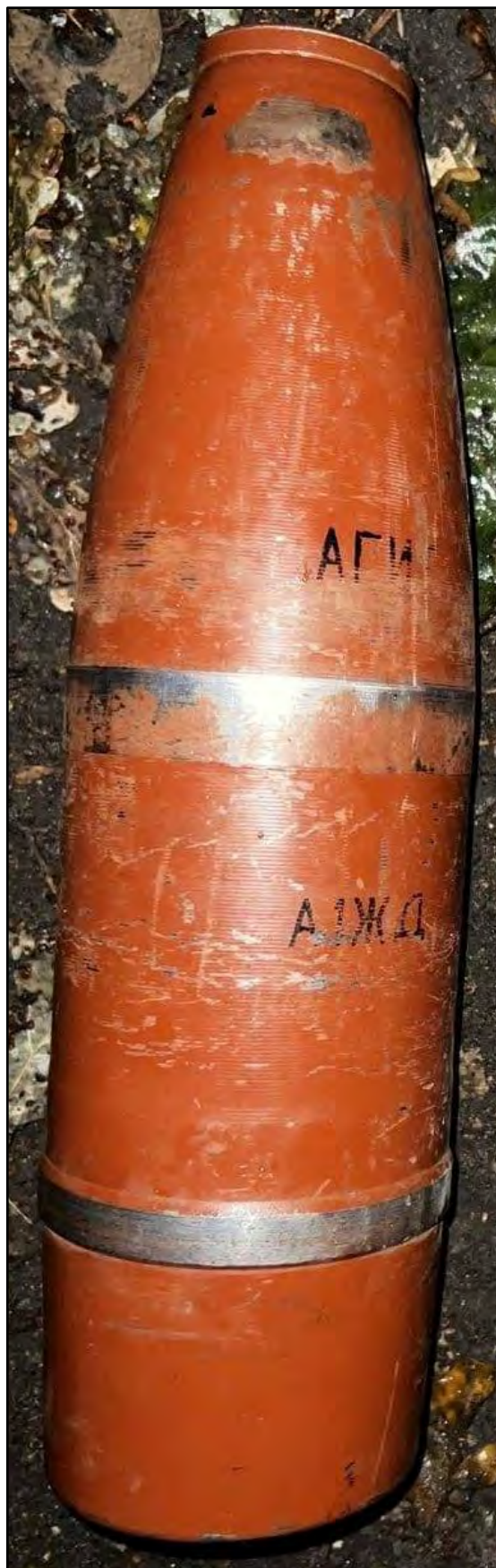
RETURN

122mm BK13



[RETURN](#)

122mm A1 (A1Zh and A1ZhD)



[RETURN](#)

122mm P1A1



[RETURN](#)

122mm Kitolov-2M



[RETURN](#)

125mm BM15 (BM18 Cartridge)



[RETURN](#)

125mm BM22 (BM23 Cartridge)



[RETURN](#)

125mm BM26-1 (BM27-1 Cartridge)



[RETURN](#)

125mm BM42 (BM44 Cartridge)



[RETURN](#)

125mm OF26



[RETURN](#)



125mm BK12M

[RETURN](#)

125mm BK14M



[RETURN](#)

125mm BK18M



[RETURN](#)

125mm M86



[RETURN](#)

130mm BR-482B



[RETURN](#)

130mm M-46



[RETURN](#)

152mm OF22



[RETURN](#)

152mm OF25



[RETURN](#)

152mm OF29



[RETURN](#)

152mm OF45



[RETURN](#)

152mm OF64



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152mm OF540



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152mm BP540



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152mm S6 and S6-1



[RETURN](#)

152mm O-13



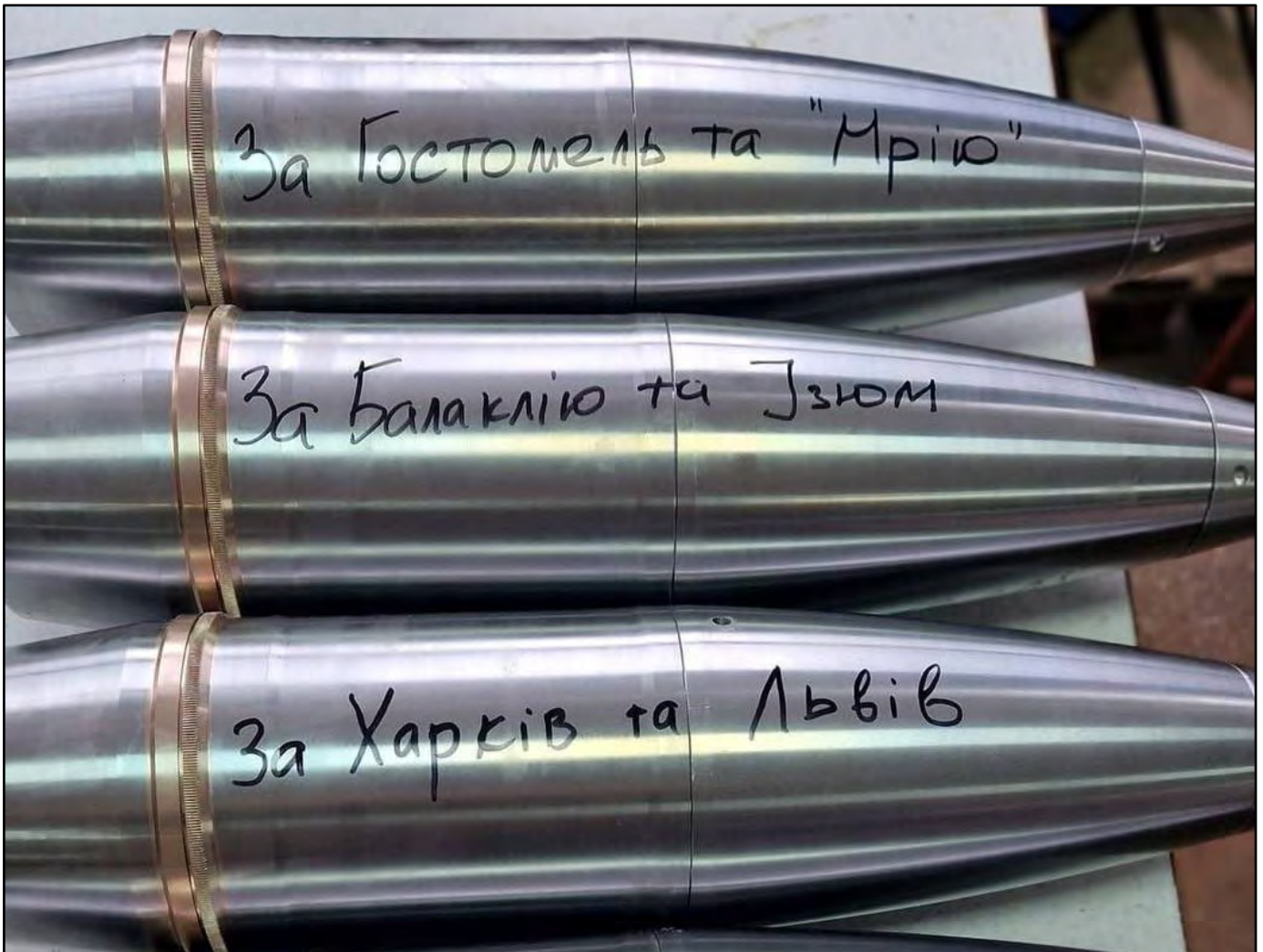
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152mm Sh-2



[RETURN](#)

152mm Ukrainian-produced Projectiles



[RETURN](#)



152 and 155mm
“Krasnopol”



[RETURN](#)

155mm M825 and M825A1



[RETURN](#)

155mm M795



[RETURN](#)

155mm M549 and M549A1



[RETURN](#)

155mm M982/M982A1 Excalibur



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155mm M718



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155mm M741



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155mm M107



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155mm OFd MKM



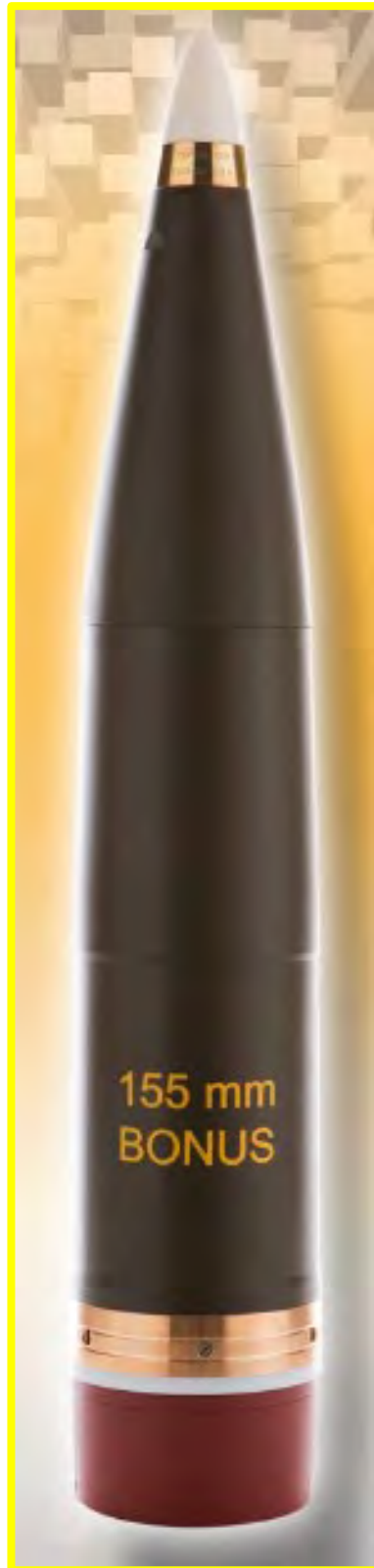
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155mm M107 R-155-M-107



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155mm BONUS



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155mm DM702



[RETURN](#)

155mm M483A1



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155mm M864



[RETURN](#)

155mm Vulcano GLR



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203mm OF43



[RETURN](#)

203mm M106



[RETURN](#)

203mm G-620Sh



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57mm S-5K



[RETURN](#)

57mm S-5KPB



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57mm S-5KO



[RETURN](#)



70mm Hydra-70

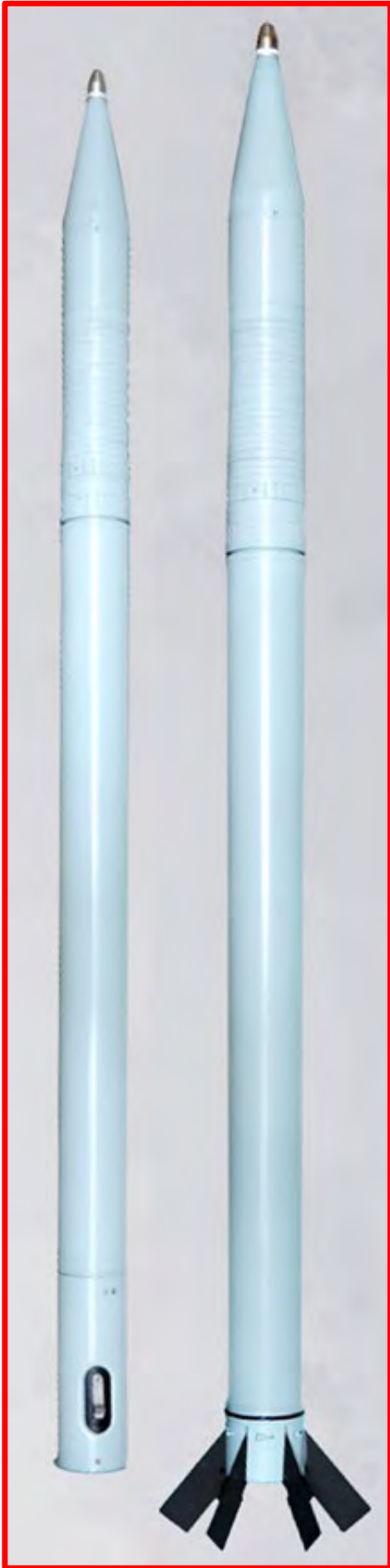
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80mm S-8KOM



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80mm RS-80KO



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80mm UAR-80VMZ



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80mm ARS-8KOM

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82mm OG-82



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82mm PG-82



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9M22S



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9M22U



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9M28D/9N511



[RETURN](#)

9M53F



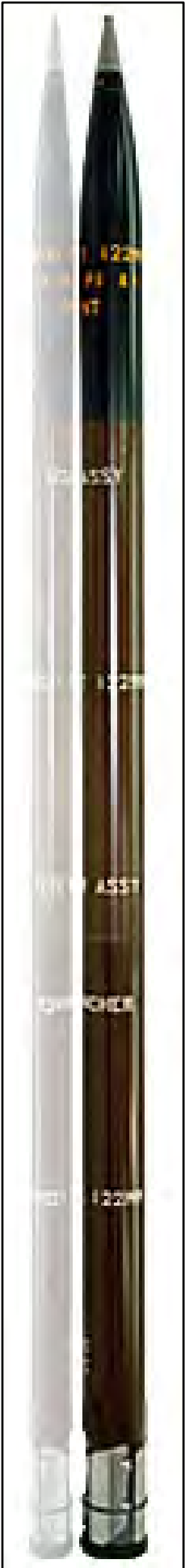
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9N517F



RETURN

122mm Yarmuk



[RETURN](#)

122mm Grad 2000 / G2000



[RETURN](#)

127mm Zuni



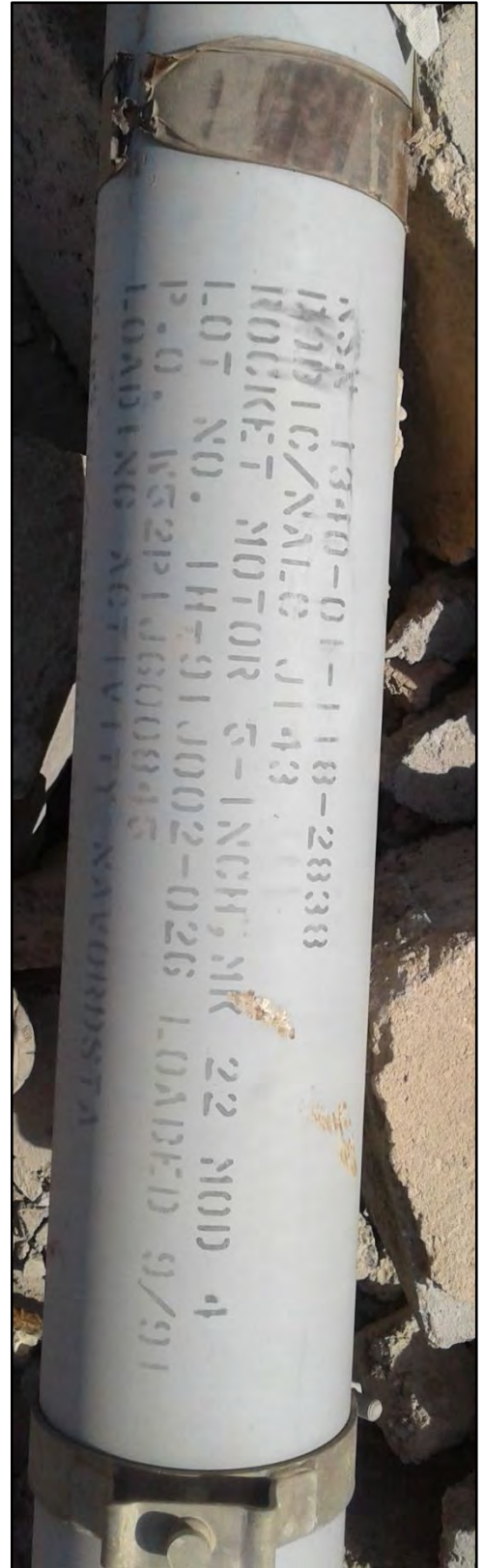
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127mm MK 22 Mod 4



[RETURN](#)

127mm MK 22 Mod 4



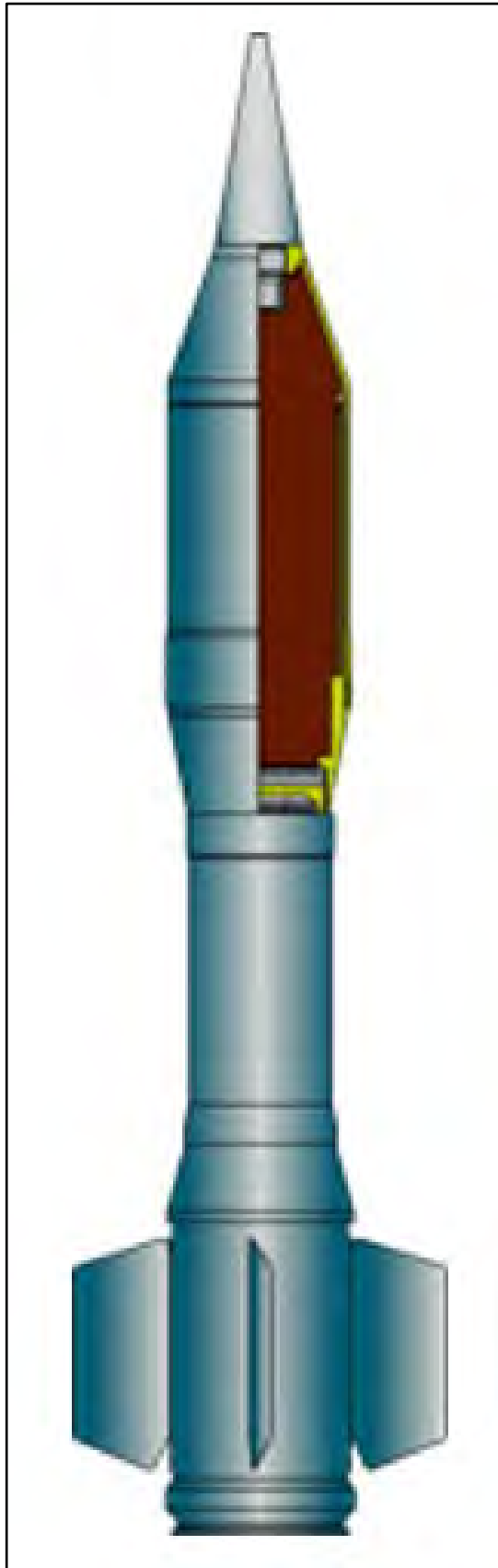
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128mm M63



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140mm OF-45



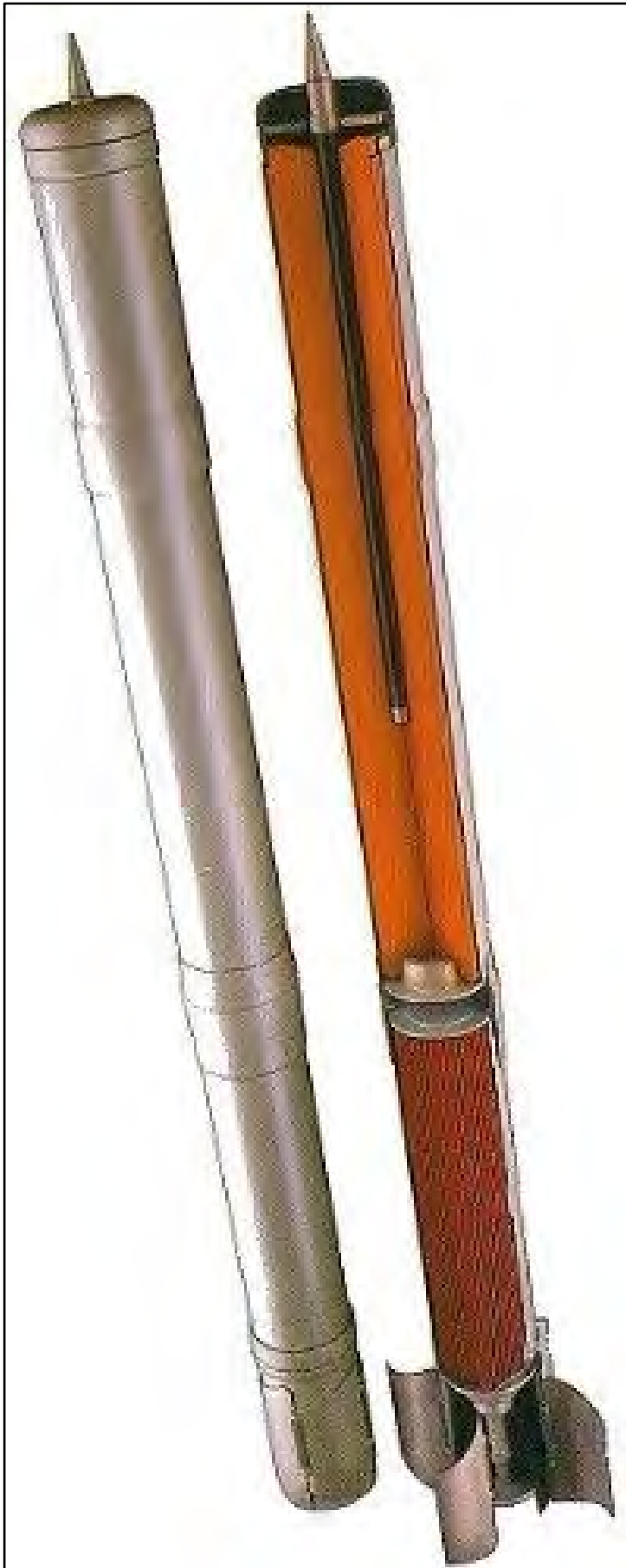
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150mm DM-70



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220mm MO.1.01.04M



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220mm 9M27F / 9N128F



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220mm 9M27F /
9N128F



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220mm 9M27K



9N128K



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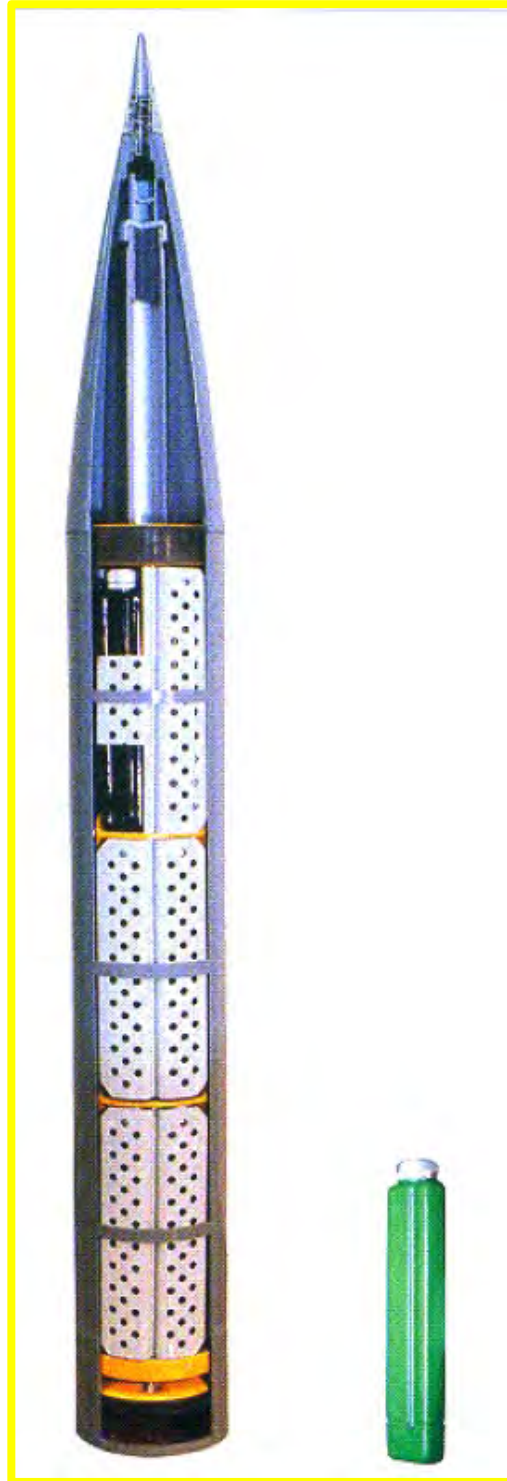
9N128K



9
A

RETURN

220mm 9M27K2



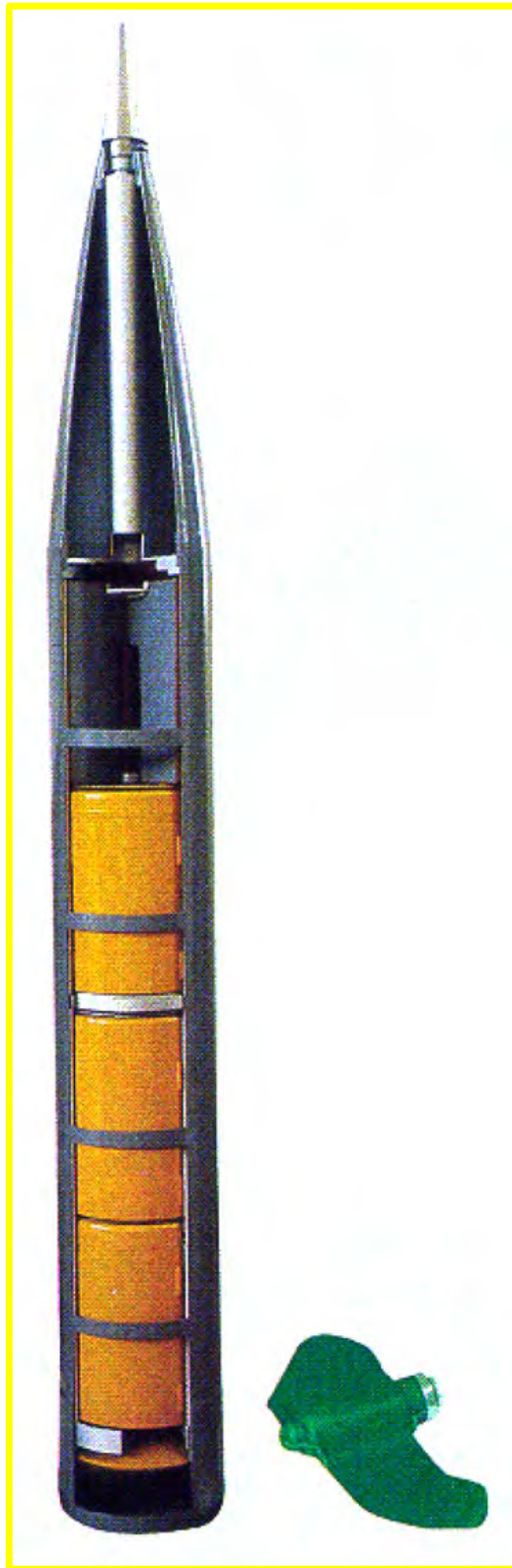
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9N128K2



RETURN

220mm 9M27K3



RETURN

220mm 9M27K3



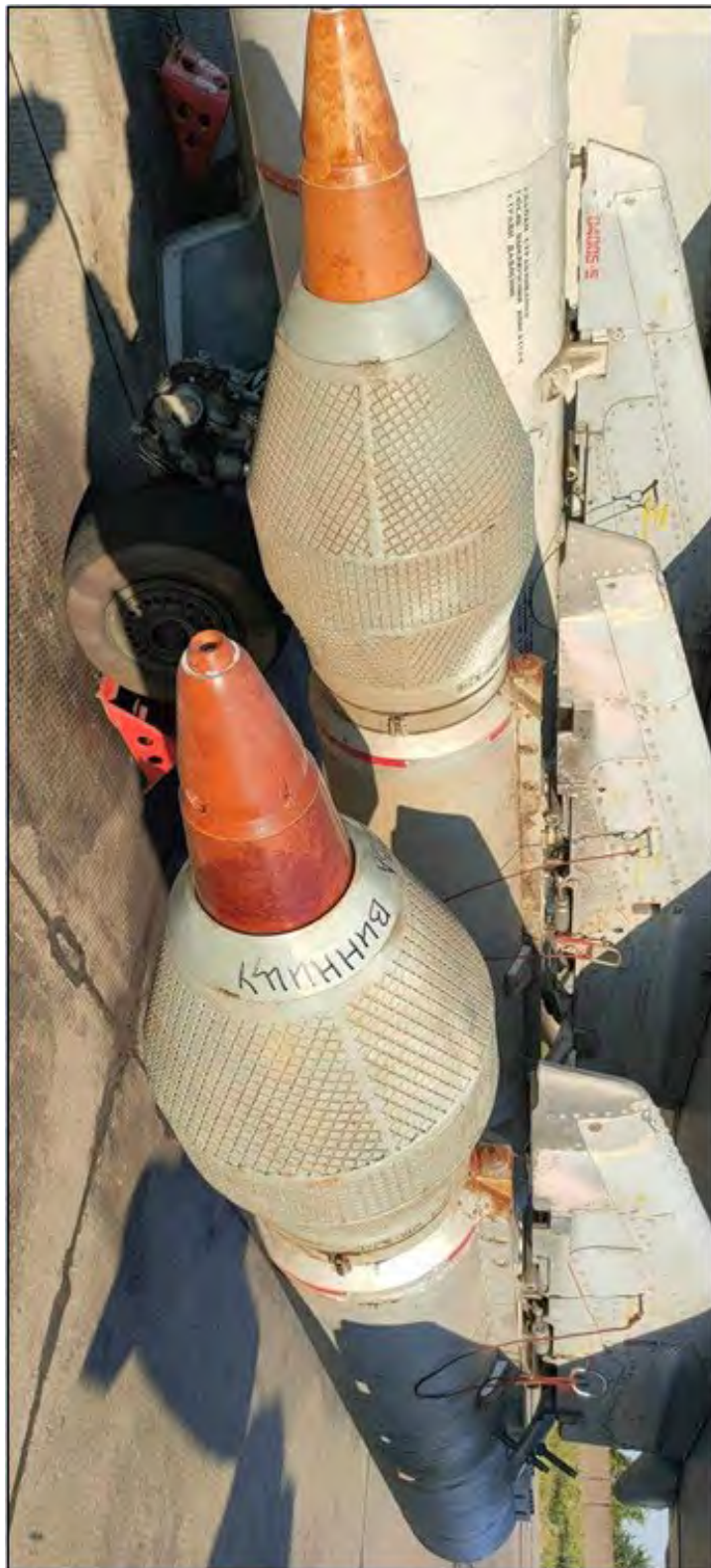
RETURN

KPFM-1S / 9N223 Cassette



[RETURN](#)

266mm S-25-O



[RETURN](#)

266mm S-25-OF



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9M528



[RETURN](#)

9M528



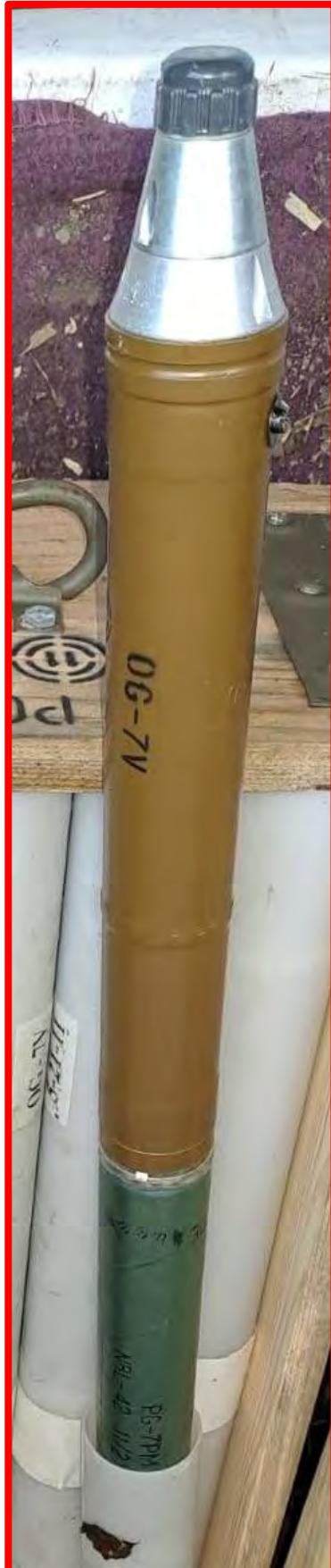
RETURN

40mm OG-7



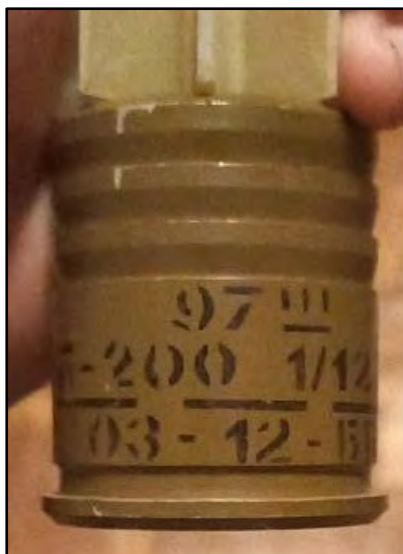
RETURN

40mm OG-7V



[RETURN](#)

45mm FG-45



[RETURN](#)

DP-64



[RETURN](#)

PG-18



RETURN

M80



[RETURN](#)

M72 EC MK1



[RETURN](#)

M72A5 / 66 KES 88 / JVA 2042



[RETURN](#)

M72A5 / 66 KES 88 / JVA 2042



[RETURN](#)

M72A6/A7



[RETURN](#)

PG-75



[RETURN](#)

PG-75 M



[RETURN](#)

PG-76



[RETURN](#)

PG-7VM



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PG-7S

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PG-7VS and PG-7VS1



[RETURN](#)

RShG-2 “Aglen-2”



[RETURN](#)

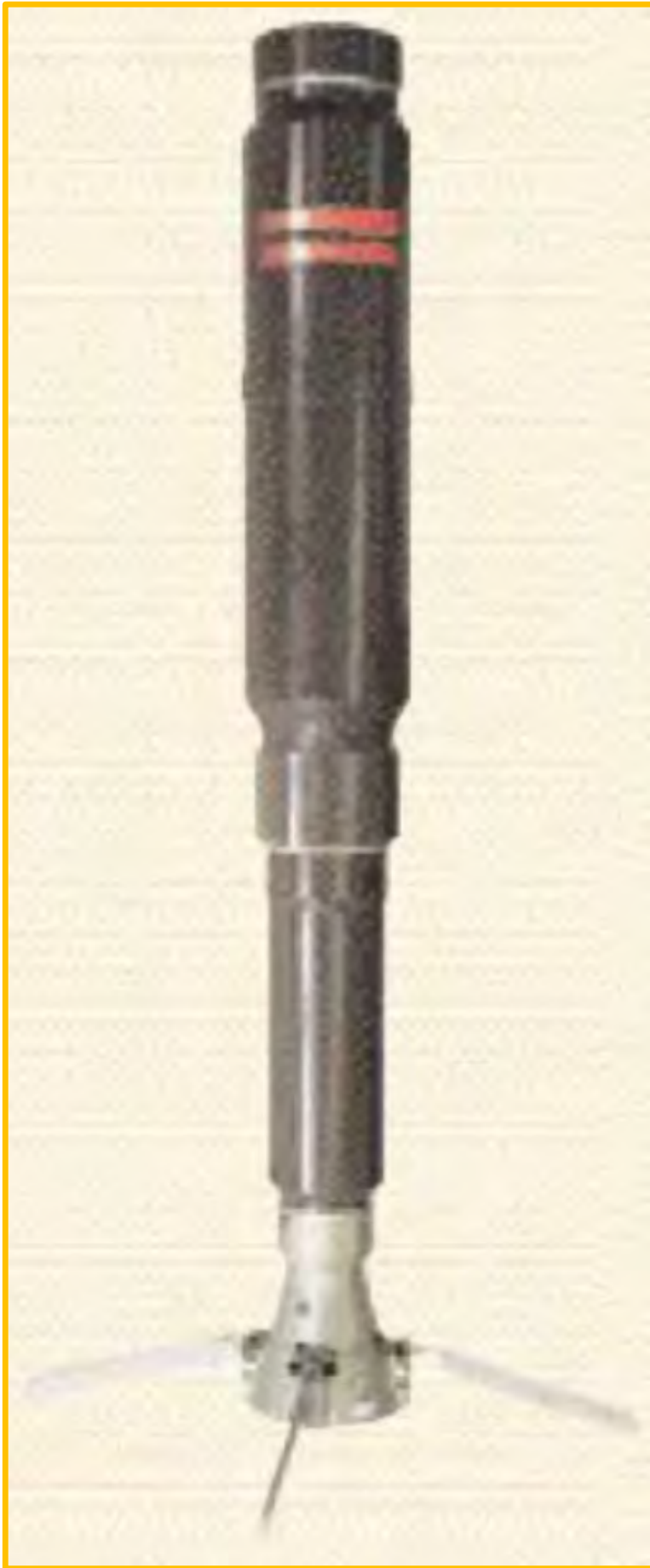
RPG-22



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MRO-A

[RETURN](#)





MRO-A

[RETURN](#)

PG-26



RETURN

Bulspike-AT/PG-22



[RETURN](#)

Bulspike TB/TB-22M



[RETURN](#)

DRTG-73/TG-73



[RETURN](#)

PG-2



[RETURN](#)

84mm FFV401



[RETURN](#)

84mm FFV441D



[RETURN](#)

84mm FFV502



[RETURN](#)

84mm FFV545C



[RETURN](#)

84mm FFV551C



[RETURN](#)

84mm FFV571



[RETURN](#)

84mm AT4 and Pansarskott 86



[RETURN](#)



84mm AT4 and Pansarskott 86

[RETURN](#)

84mm AT4CS AST



[RETURN](#)

PG-7G



[RETURN](#)

M79A1



[RETURN](#)

M79 "Osa"



[RETURN](#)

RGW90 HH



[RETURN](#)



RGW90 HH



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RGW90 ASM L1A1



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RGW90 ASM L1A1



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C90-CR-AM



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GTB-7S

[RETURN](#)

PG-7VL and PG-7L



[RETURN](#)

RPV-16



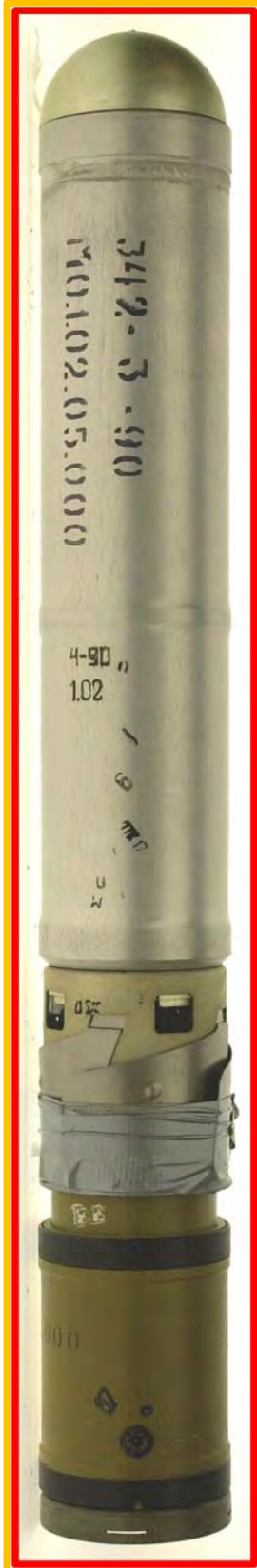
[RETURN](#)

RPV-16



[RETURN](#)

RPO-A



[RETURN](#)

PG-7T



[RETURN](#)



TBG-7V



[RETURN](#)

RShG-1 "Tavolga-1"



[RETURN](#)

PG-7VR



[RETURN](#)

RMG "Skid"



[RETURN](#)

RPG-30 and PG-30



[RETURN](#)

IG-30



[RETURN](#)

RTB-7MA



RETURN

Panzerfaust 3-IT / DM72A1



[RETURN](#)

Bunkerfaust / DM32



[RETURN](#)

APILAS



[RETURN](#)

PG-28 “Cranberry-1”



[RETURN](#)

Warhead of the K-13/R-13 Missile (NATO AA-2)



[RETURN](#)

R-27R Missile

[RETURN](#)



R-37M



[RETURN](#)

R-40 / K-40



[RETURN](#)

R-60



[RETURN](#)

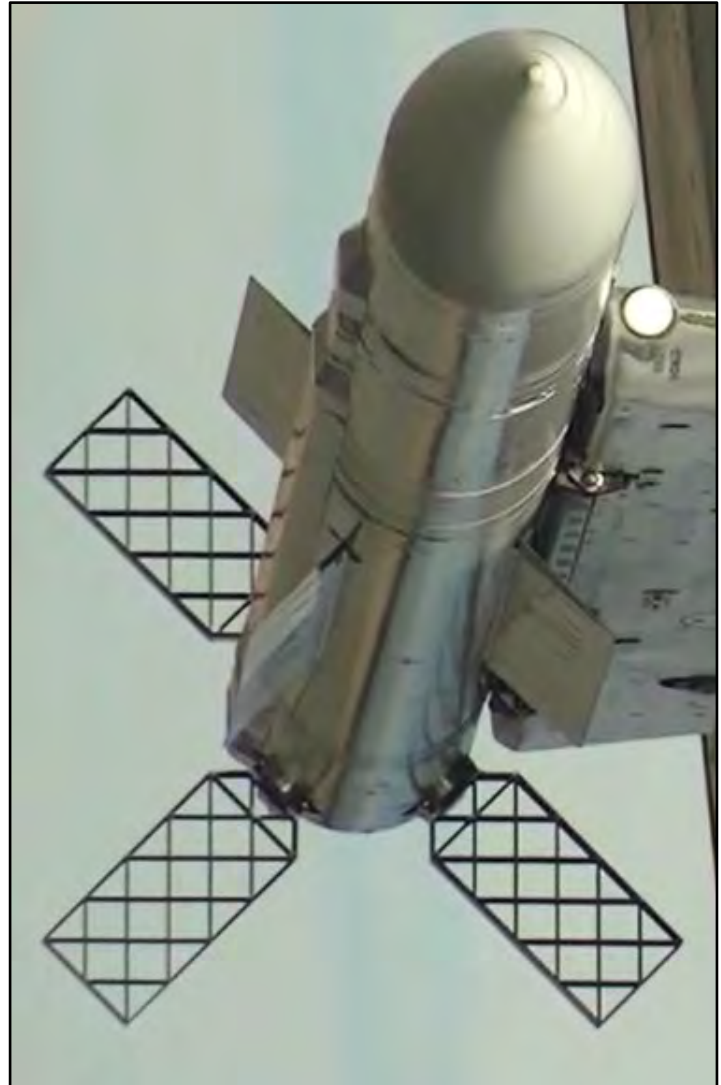
R-73



RETURN



R-77



[RETURN](#)

AGM-88B HARM



[RETURN](#)

MAM-L



[RETURN](#)

MAM-C



[RETURN](#)



Whirlwind-1

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Kh-25



[RETURN](#)

Kh-25ML



[RETURN](#)



Kh-31P

[RETURN](#)



Grom-E1

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Grom-E1



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Kh-58U



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Kh-58UShKE



[RETURN](#)

Kh-59MK2



[RETURN](#)

Kh-59MK2



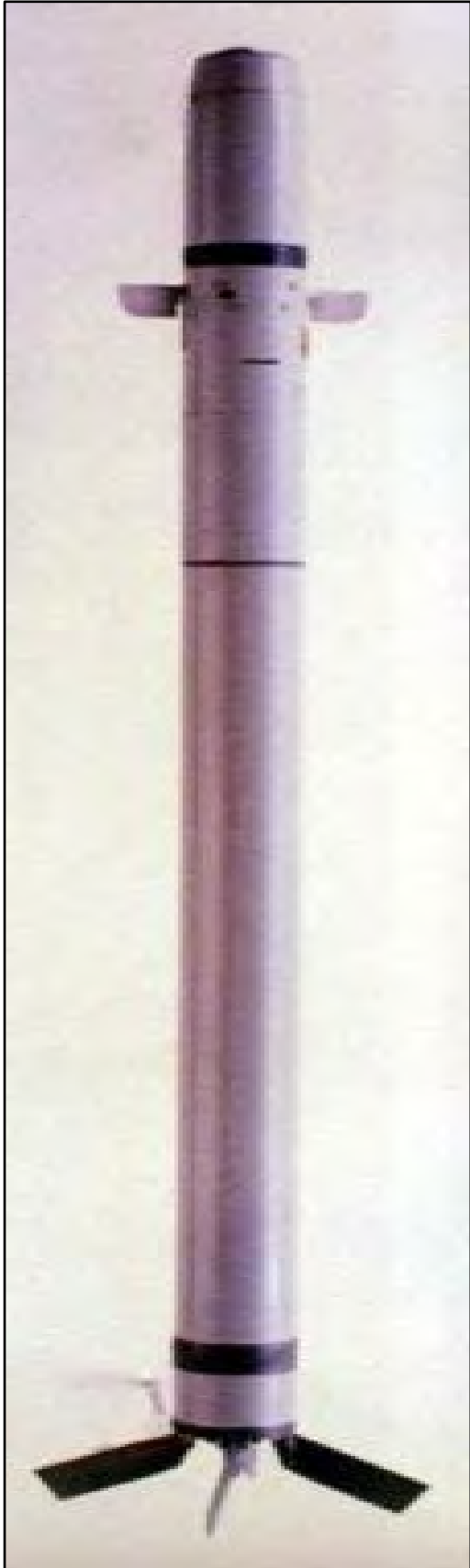
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Kh-59MK2



[RETURN](#)

Strela-2 (9K32) and Strela-2M (9K32M)



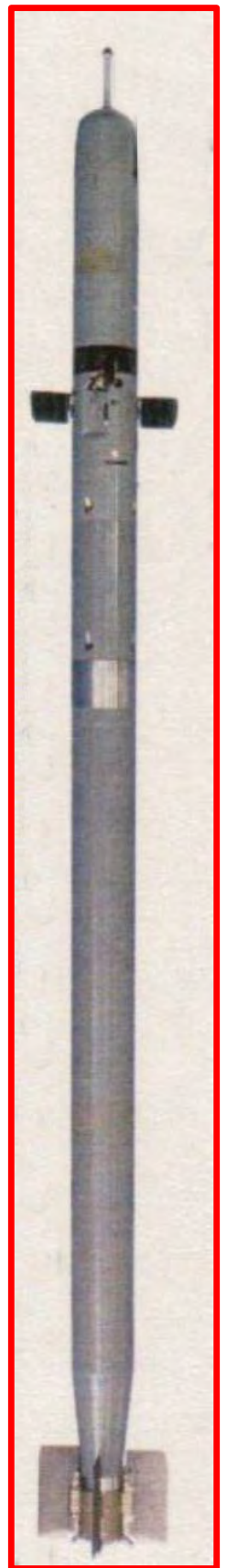
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Strela-1 (9K31) and Strela-1M (9K31M)

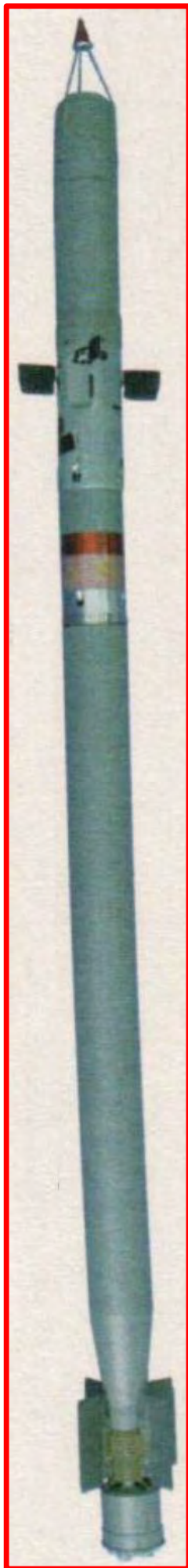
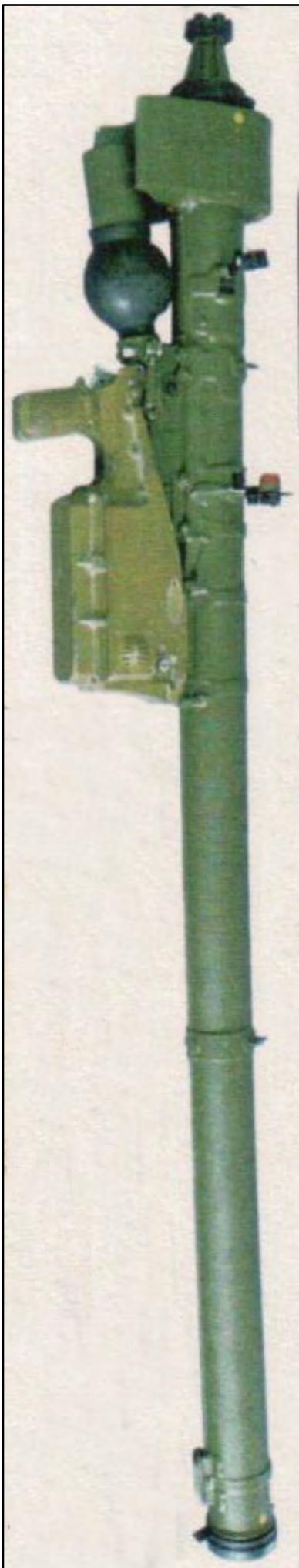


[RETURN](#)

9K38/9M39 Igla (NATO: SA-18 Grouse)



[RETURN](#)



9K310/9M313
Igla-1
(NATO: SA-16
Gimlet)

[RETURN](#)

9K333/9M336 Verba



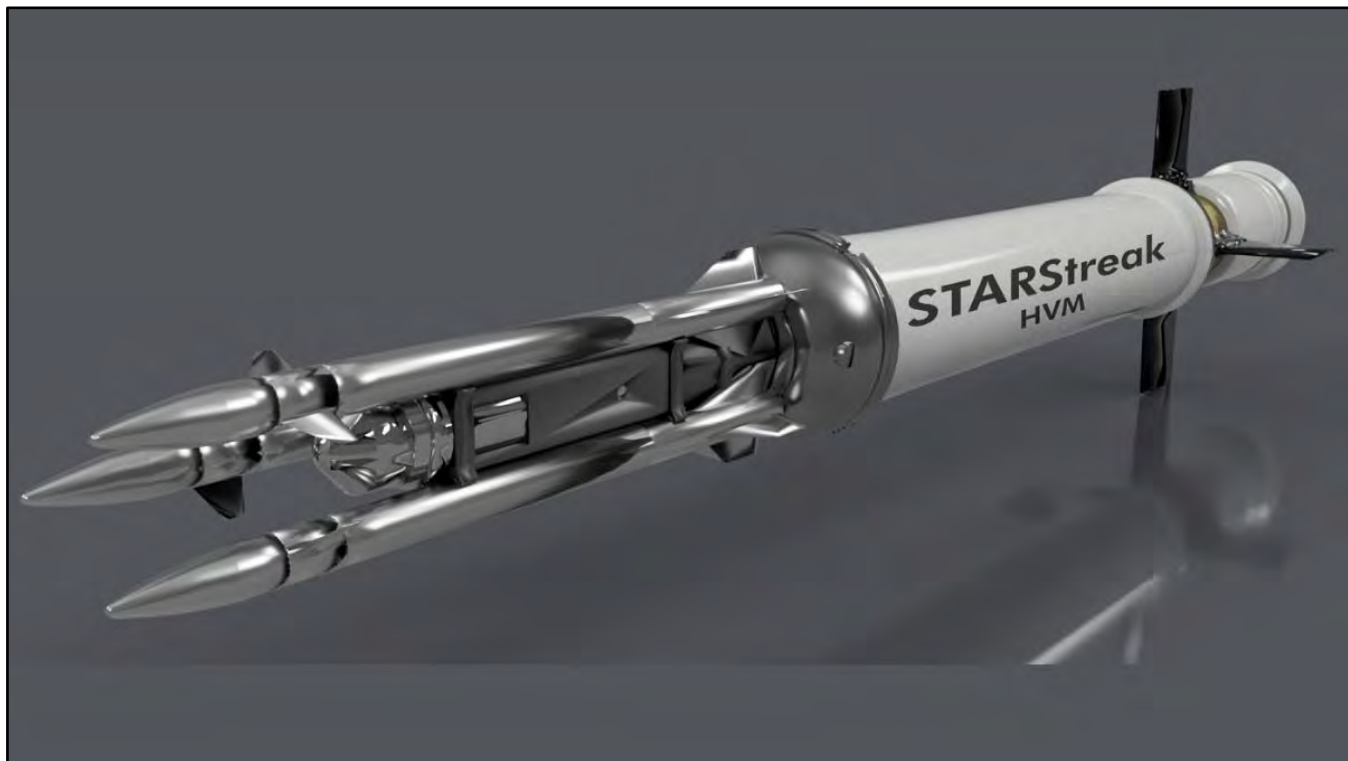
[RETURN](#)

FIM-92 "Stinger"



[RETURN](#)

Starstreak



[RETURN](#)

9M38/9M38M1 "Buk"



[RETURN](#)

9M33 “OSA”



[RETURN](#)

48N6E2 (S-300)



[RETURN](#)

IRIS-T



[RETURN](#)

I-HAWK



[RETURN](#)

Sungur



[RETURN](#)

Martlet/LMM



[RETURN](#)



PPZR Piorun

[RETURN](#)

PPZR Piorun



[RETURN](#)

RBS 70



[RETURN](#)

Mistral



[RETURN](#)

AIM-120 NASAMS Series



[RETURN](#)

9M117M1-3 "Arkan"



[RETURN](#)

9M117M-02



[RETURN](#)

9M111M “Fagot-M”



[RETURN](#)

9M111M “Fagot-M”



[RETURN](#)

9M111M “Fagot-M”



[RETURN](#)

9M113 Konkurs



[RETURN](#)



9M113 Konkurs

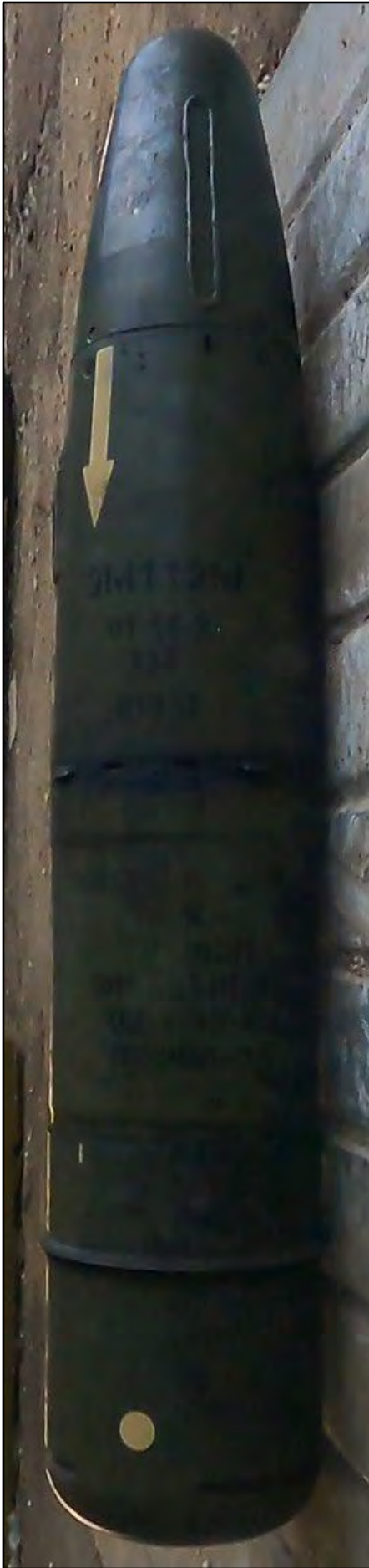
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9M113M Konkurs-M



[RETURN](#)

9M119M "Reflex-M"



[RETURN](#)



9K115-2 Metris-M



[RETURN](#)

9M133-1 Kornet



[RETURN](#)



9M133F Kernet

[RETURN](#)

FGM-148 Javelin



[RETURN](#)

NLAW



[RETURN](#)

ATGM Corsar



[RETURN](#)

ATGM Brimstone and Brimstone-2



[RETURN](#)

RBS-17



[RETURN](#)

Milan-2



[RETURN](#)

AKERON MP



[RETURN](#)

9M120F Ataka



[RETURN](#)

BGM-71F / TOW-2B



[RETURN](#)

BGM-71H-RF / TOW BB RF



[RETURN](#)

TRLG-230



[RETURN](#)



70mm APKWS

[RETURN](#)

Caliber



[RETURN](#)

Kh-55



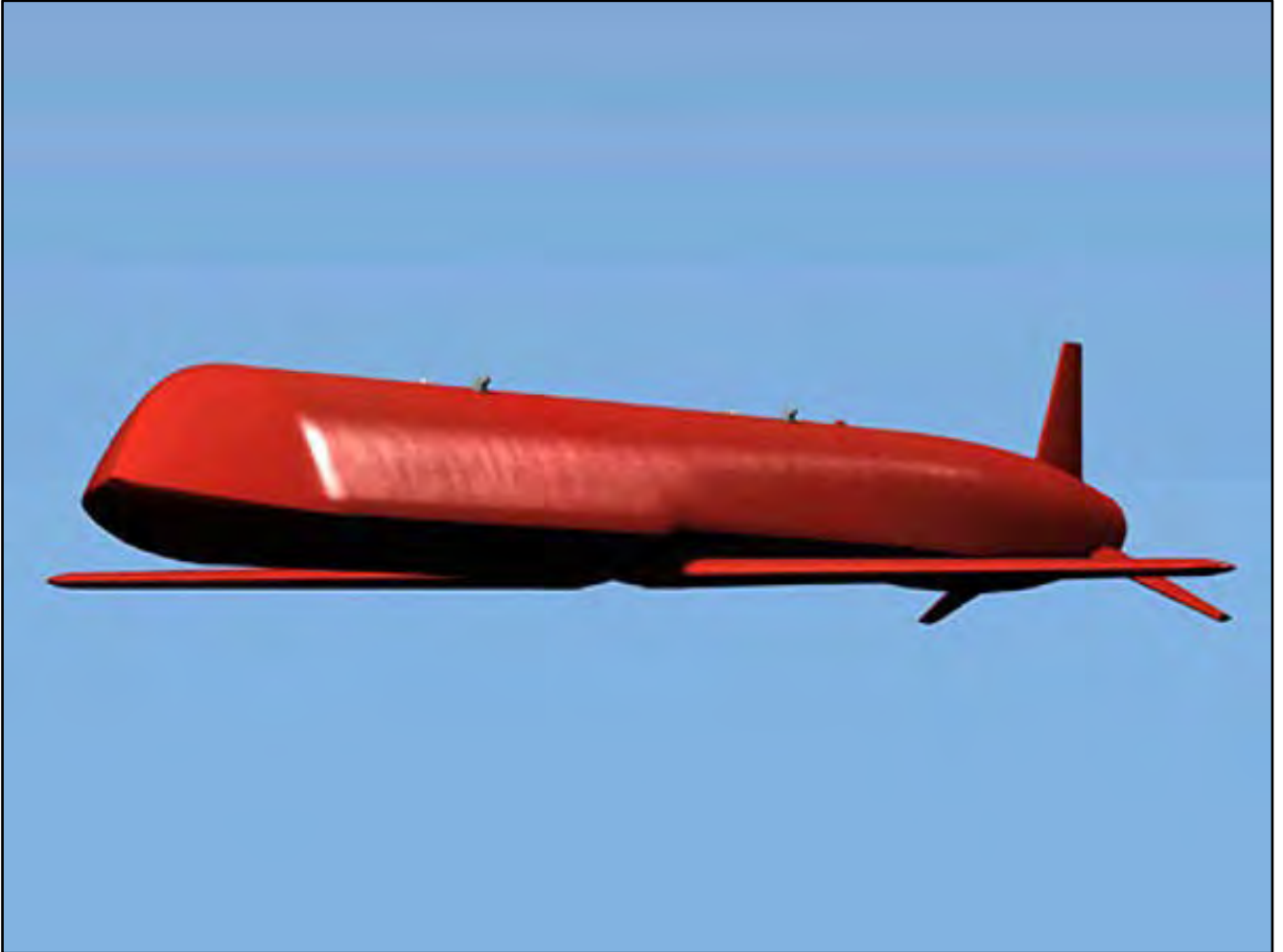
[RETURN](#)

Kh-22



[RETURN](#)

Kh-101



[RETURN](#)

Tochka-U



[RETURN](#)

Tochka-U



RETURN

Iskander and Iskander-M



[RETURN](#)

Kh-47M2 “Dagger”



[RETURN](#)

Kh-47M2 “Dagger”



[RETURN](#)



MGM-140A ATCMS

[RETURN](#)

“KUB” UAV



[RETURN](#)

“KUB” UAV



[RETURN](#)

“KUB” UAV



[RETURN](#)

Switchblade 300 UAV



[RETURN](#)

Switchblade 600 UAV



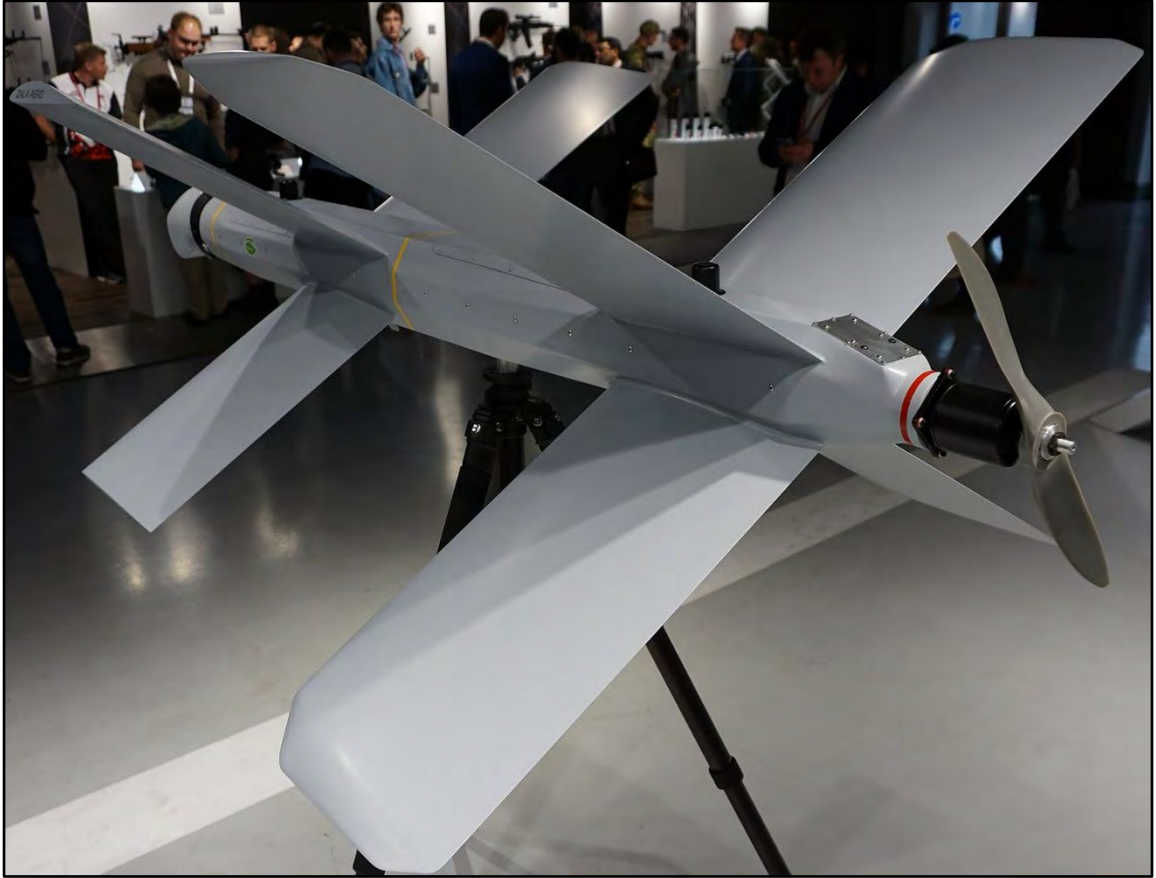
[RETURN](#)

Warmate UAV



[RETURN](#)

Lancet-3 UAV



[RETURN](#)

Lancet-3 UAV

Луганская Республика



RETURN

Lancet-3 UAV



[RETURN](#)

Shahed-136 / Geran-2 UAV



[RETURN](#)

Shahed-136 / Geran-2 UAV



[RETURN](#)

Shahed-131 / Geran-1 UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Type of UAV



[RETURN](#)

FPV Drones with OFSP-2.5-A133 as Warhead



[RETURN](#)



Mugin-5 Pro UAV

[RETURN](#)



Mugin-5 Pro UAV

[RETURN](#)

Mugin-5 Pro UAV



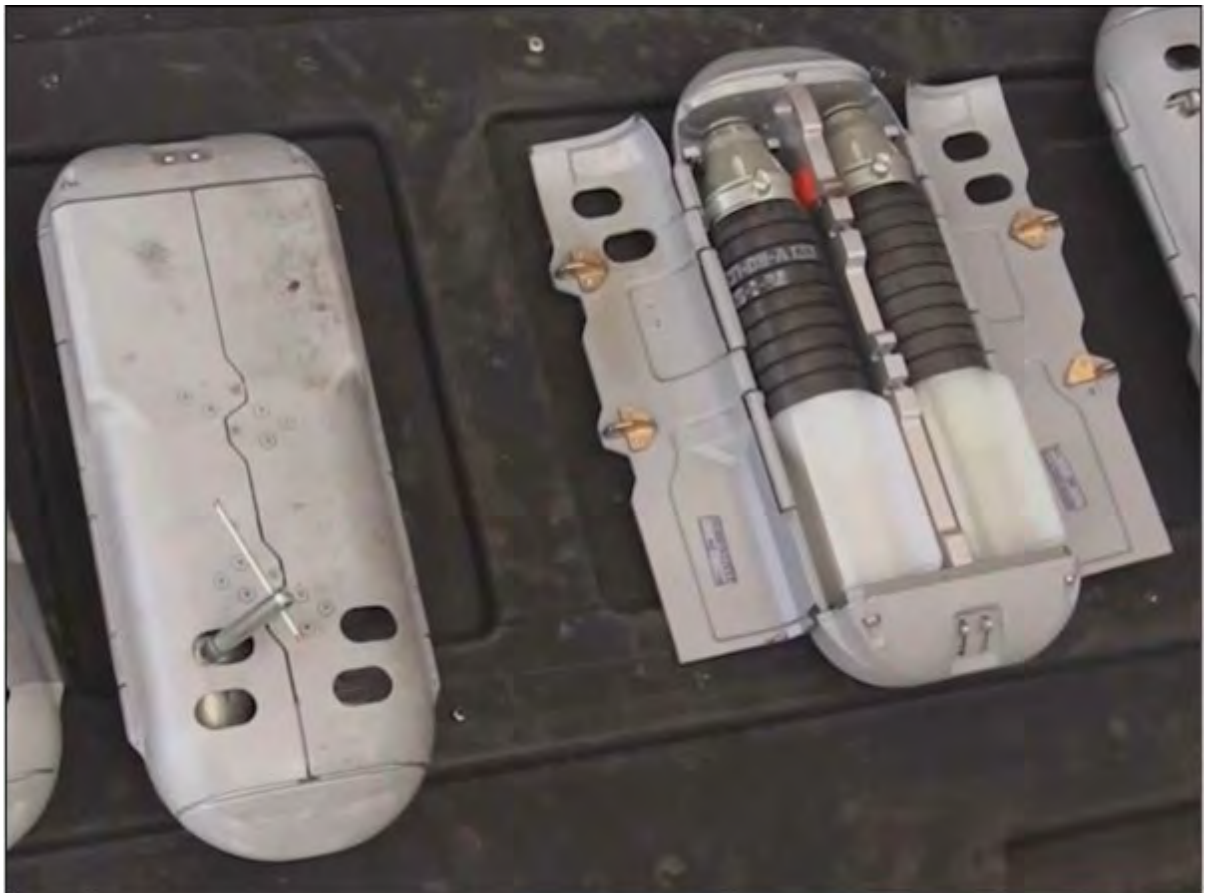
[RETURN](#)

Orlan-10 UAV



[RETURN](#)

Orlan-10 UAV



[RETURN](#)

PD-2 UAV



[RETURN](#)

Lastochka-M UAV



[RETURN](#)

DJI Series



[RETURN](#)

DJI Series



[RETURN](#)

Revolver 860 UAV



[RETURN](#)

UAV Mohajer-6 / ER-860



[RETURN](#)

Punisher UAV



[RETURN](#)

Bayraktar TB2 UAV



RETURN

Orion-E UAV



[RETURN](#)

Forpost UAV



[RETURN](#)

Drone-dropped PG



[RETURN](#)

KZ-6 Shaped Charge Adopted as Drone-dropped Munition



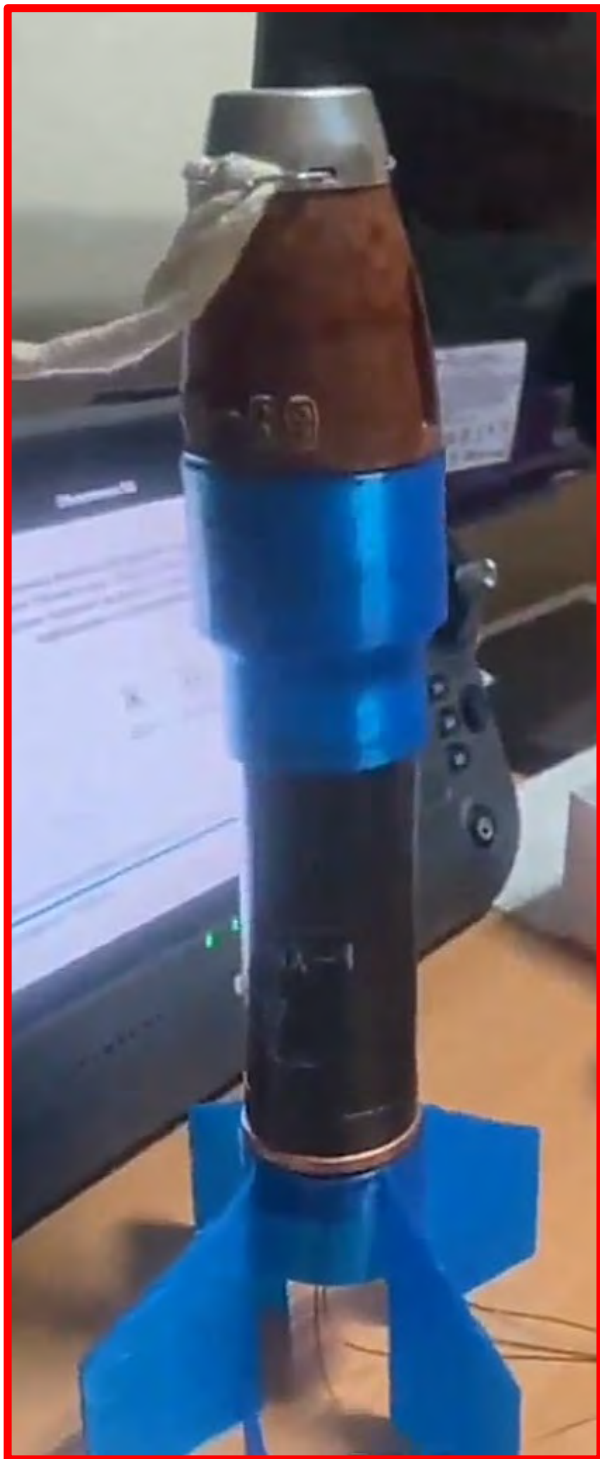
[RETURN](#)

KZ-6 Shaped Charge Adopted as Drone-dropped Munition



[RETURN](#)

30mm VOG-17M and RHV-HEF Adopted for Dropping from a Drone



[RETURN](#)

40mm VOG-25 Adopted for Dropping from a Drone



[RETURN](#)

40mm VOG-25 Adopted for Dropping from a Drone



[RETURN](#)

Minröjningsorm-1 Mine-clearing Device



[RETURN](#)

Minröjningsorm-1 Mine-clearing Device



[RETURN](#)

M58 Series MICLIC



[RETURN](#)

M58 Series MICLIC



[RETURN](#)

M58 Series MICLIC



[RETURN](#)

M58 Series MICLIC



[RETURN](#)

M58 Series MICLIC



[RETURN](#)

DKRP-4 (UR-67)



[RETURN](#)

VUR-67 Fuze



[RETURN](#)



[RETURN](#)



[RETURN](#)

UR-83P



[RETURN](#)

UR-83P



[RETURN](#)

DK-2

RETURN



DK-4



RETURN

MD-5

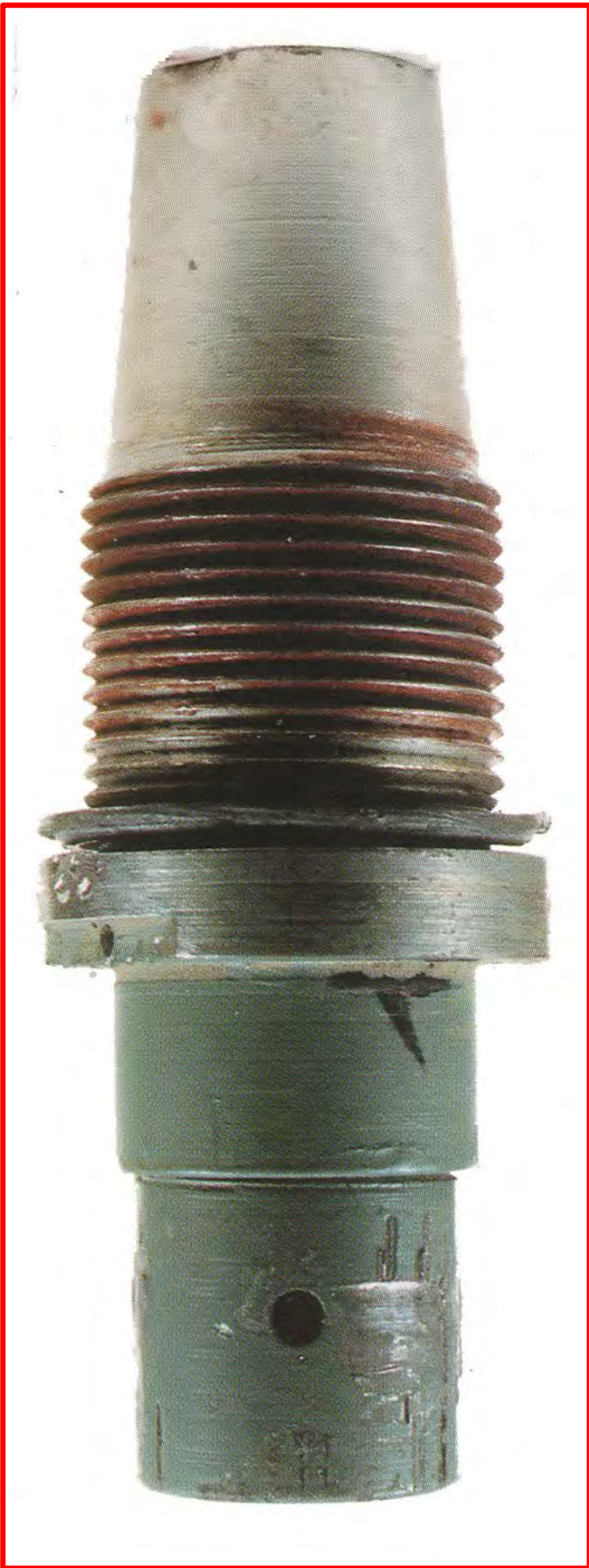
RETURN



MD-8



RETURN



DBR

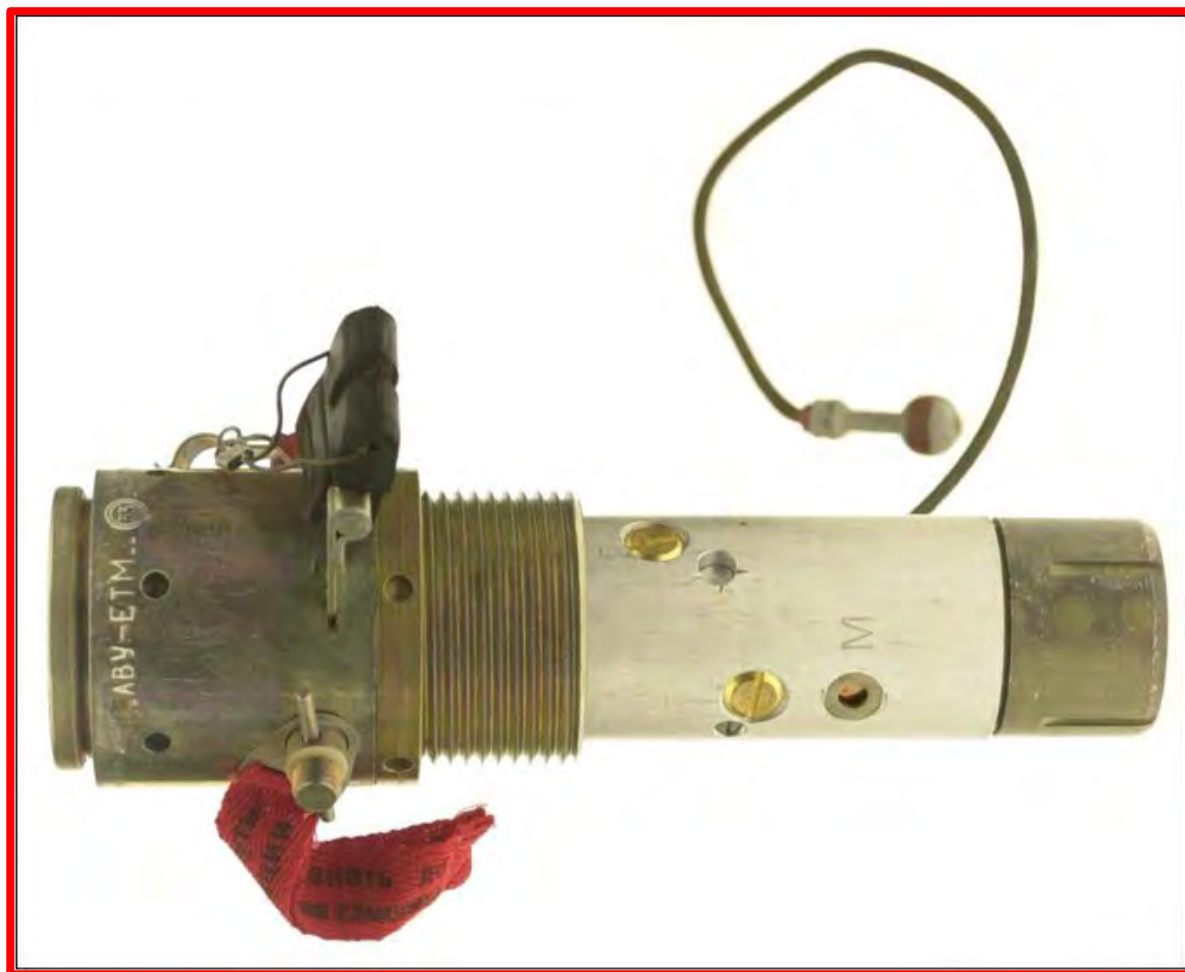
RETURN

DBR-2

RETURN



Aviation Fuze AVU-ETM



[RETURN](#)

Aviation Fuze AVU-ETM



[RETURN](#)

Aviation Fuze AVU-ET



[RETURN](#)

Aviation Fuze AVK-U



[RETURN](#)

Aviation Fuze AVK-U



[RETURN](#)

Guided Missile Fuze MAM-L



[RETURN](#)

Fuze for 5V55



RETURN

Fuze for Kh-47M2 “Kinzhal”



[RETURN](#)

Fuze for Shahed-136 / Geran-2 UAV



[RETURN](#)

9E246M



[RETURN](#)

9E246M



RETURN

9E237



RETURN

9E237



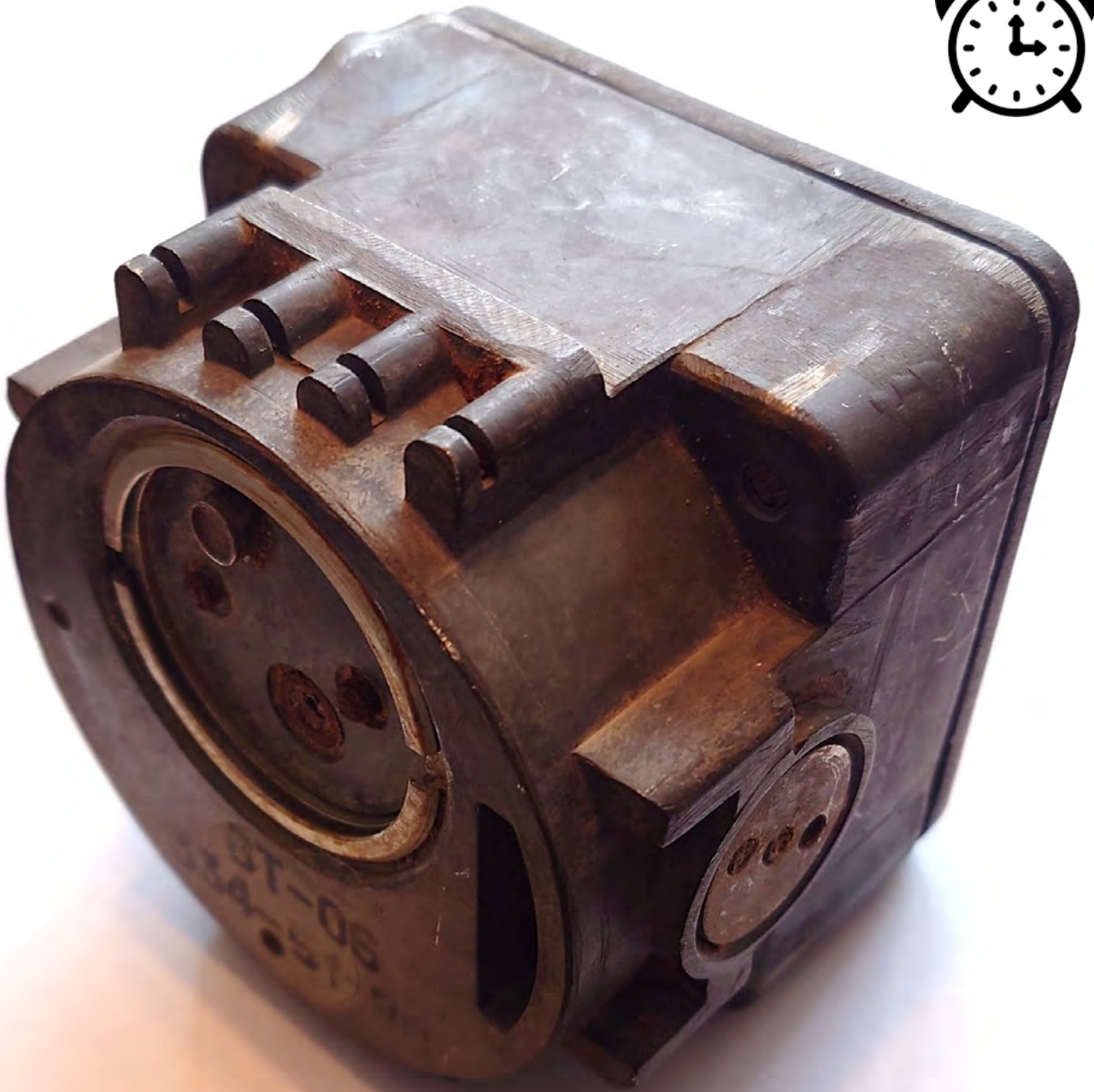
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VT-06



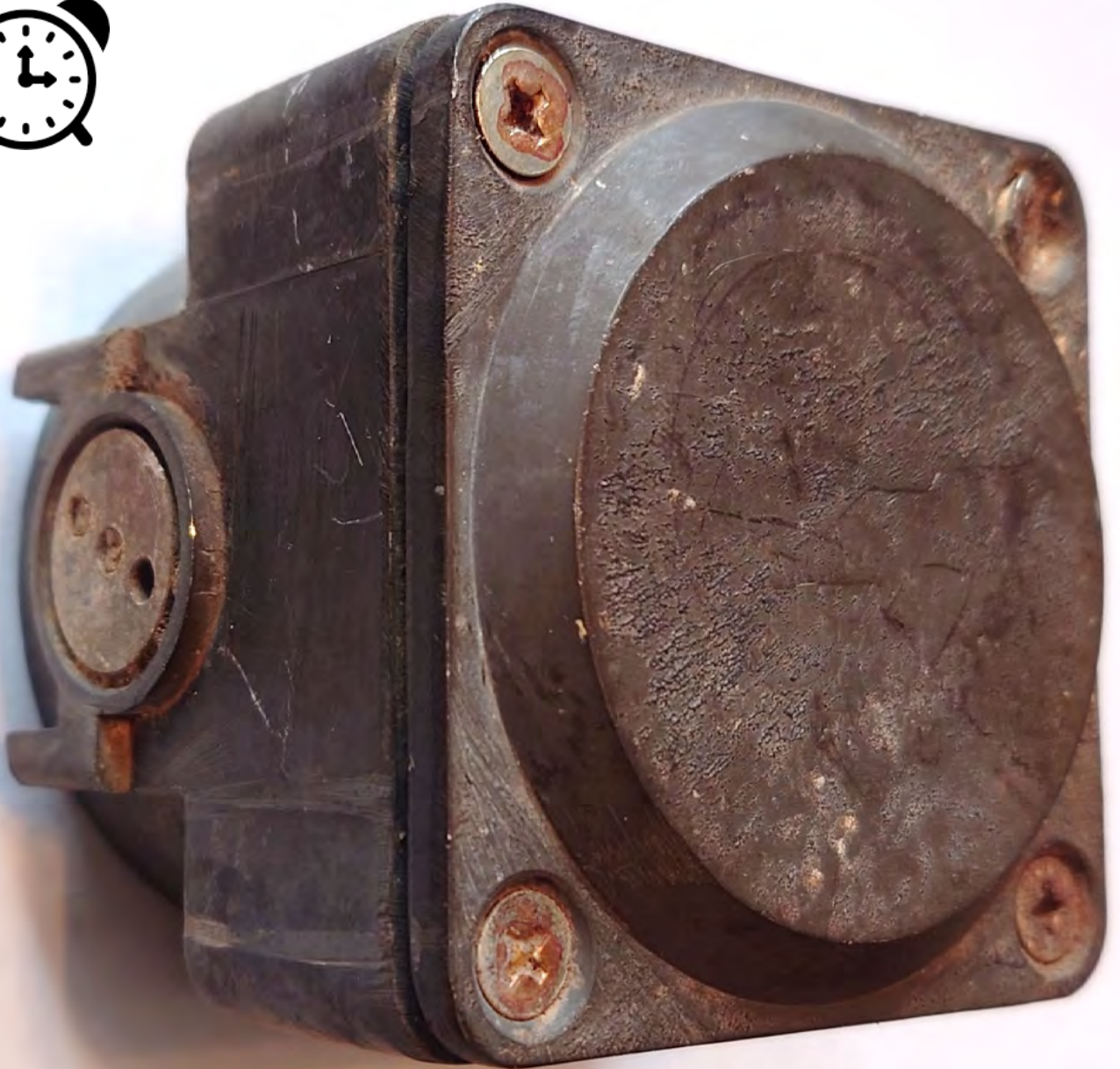
RETURN

VT-06



[RETURN](#)

VT-06



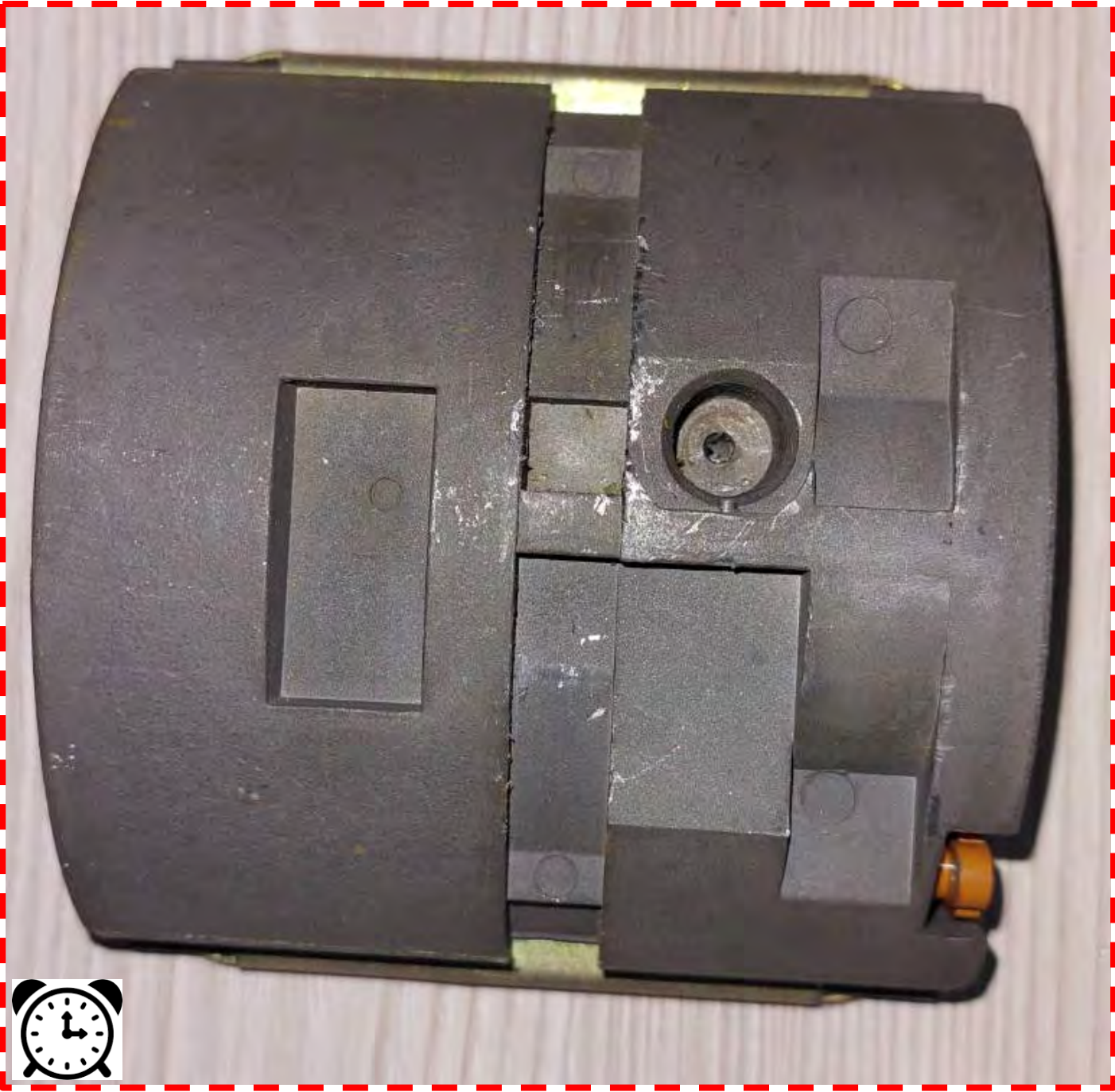
RETURN

VT-14



RETURN

VT-14



[RETURN](#)

VT-14



[RETURN](#)

VT-14M



[RETURN](#)

VT-14M



[RETURN](#)

9E371M



RETURN

9E371M



RETURN

UZRGM and UZRGM-2



[RETURN](#)

K-510



RETURN

UDZ



RETURN

UDZ



RETURN

M213



[RETURN](#)

DM82A3



[RETURN](#)

JVA 1634



[RETURN](#)

JVA 1634



[RETURN](#)

AF-11 (FD-1)



[RETURN](#)

M72A1



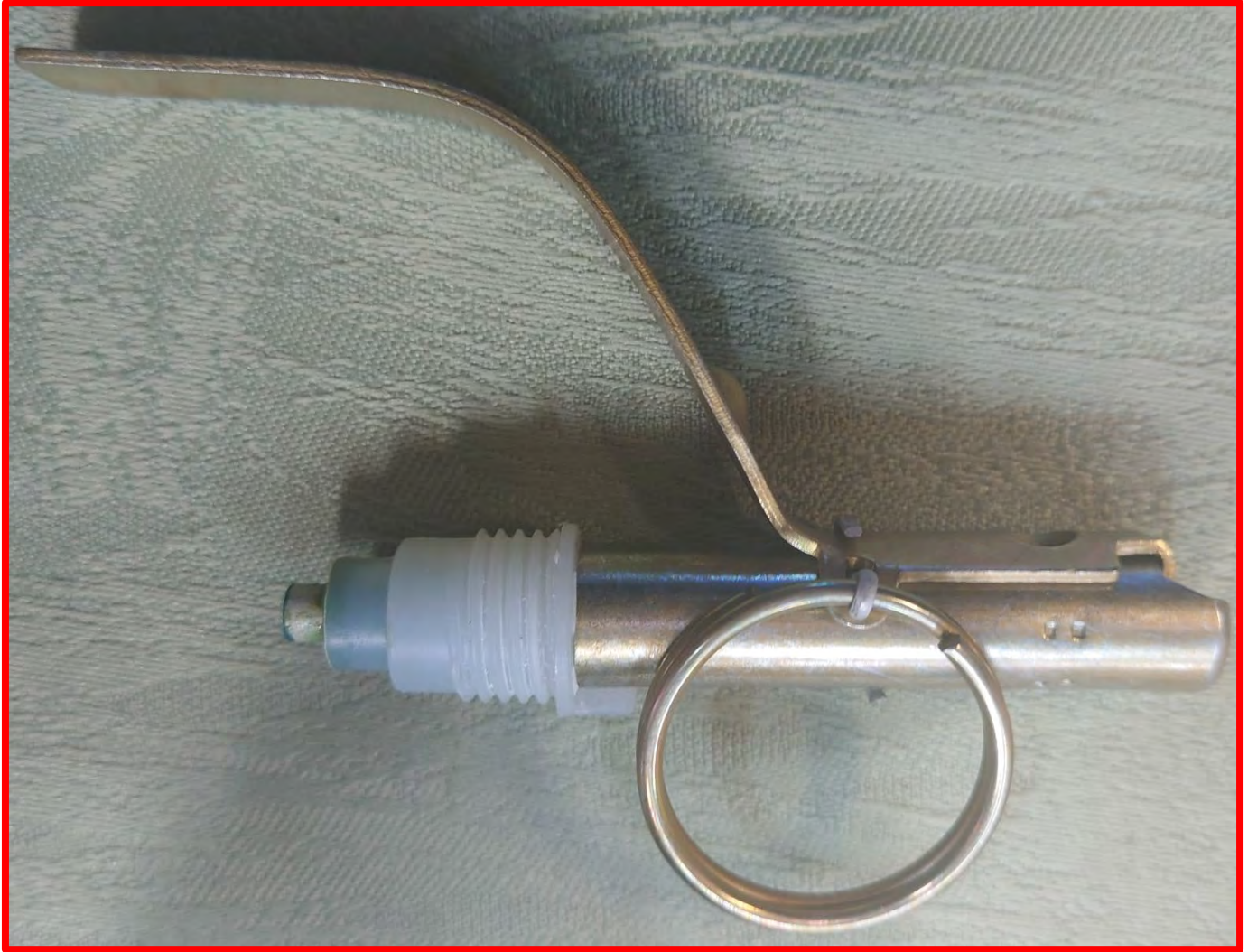
RETURN

M72A1



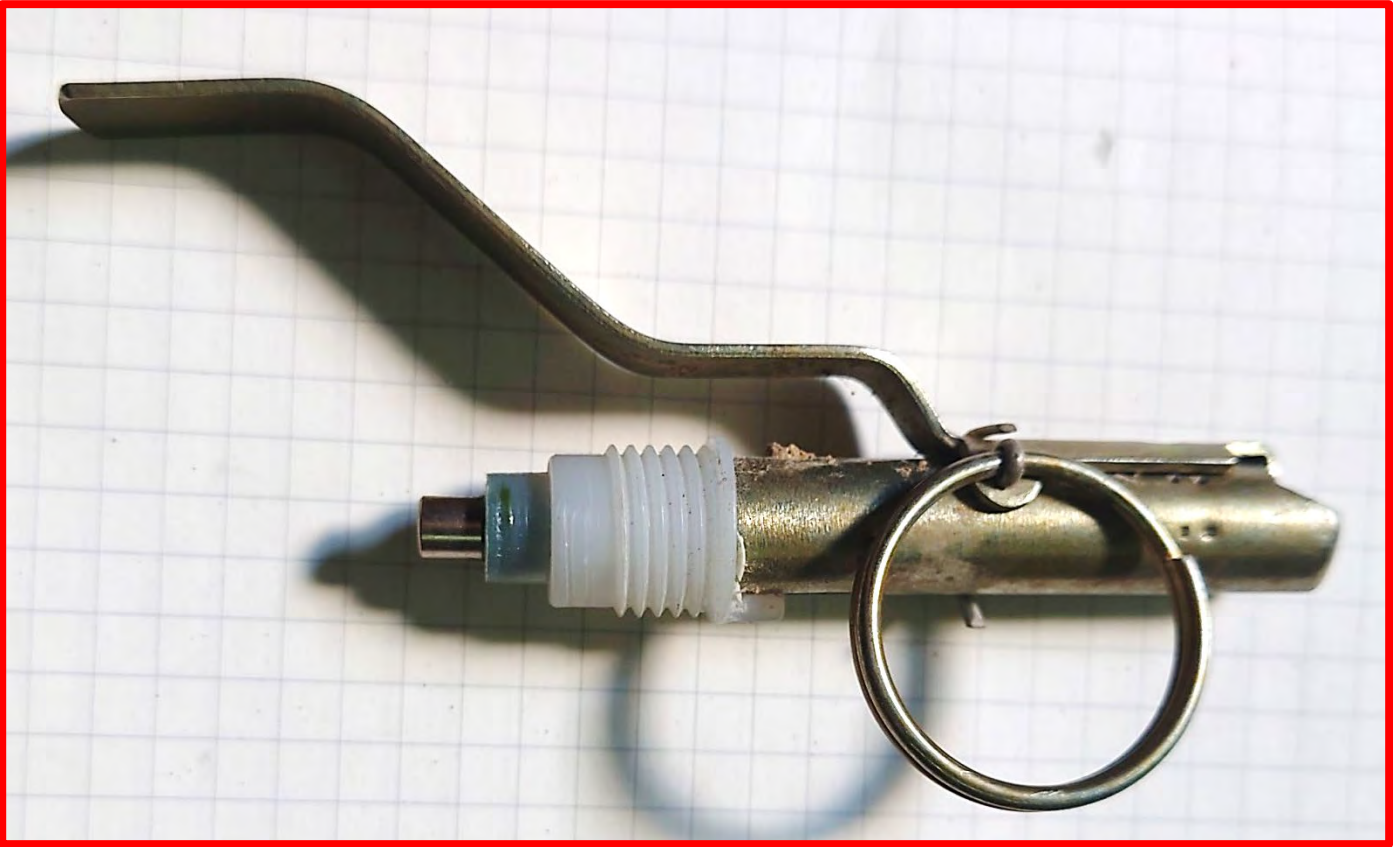
[RETURN](#)

U-517M



RETURN

U-515M



RETURN

M201A1



RETURN

Mle F3



[RETURN](#)

Mle F3



[RETURN](#)

MVM



RETURN

MVZ-57



RETURN

MVZ-57



RETURN

MD-2



RETURN

MD-5M



RETURN

MVP-62



RETURN

MVP-62



RETURN

MVP-62M



[RETURN](#)

MVP-62M



RETURN

MVCh-62



[RETURN](#)

MVCh-62



[RETURN](#)

MVN-72



[RETURN](#)

MVN-72



RETURN

MUV



RETURN

MUV-2



RETURN

MUV-3



RETURN

MUV-4



RETURN

MUV-4



[RETURN](#)

MVE-72



RETURN

MVE-72



RETURN

MVE-92



[RETURN](#)

MVE-92



RETURN

MVE-92



[RETURN](#)

VPF



RETURN

VZD-1M



RETURN

VZD-3M



[RETURN](#)

VZD-6Ch



[RETURN](#)

VZD-6Ch



[RETURN](#)

VZD-144



[RETURN](#)

VZD-144Ch



[RETURN](#)

VZD-144Ch



[RETURN](#)

ZN-97.1



[RETURN](#)

ZN-97.1



RETURN

Mintändare m/47



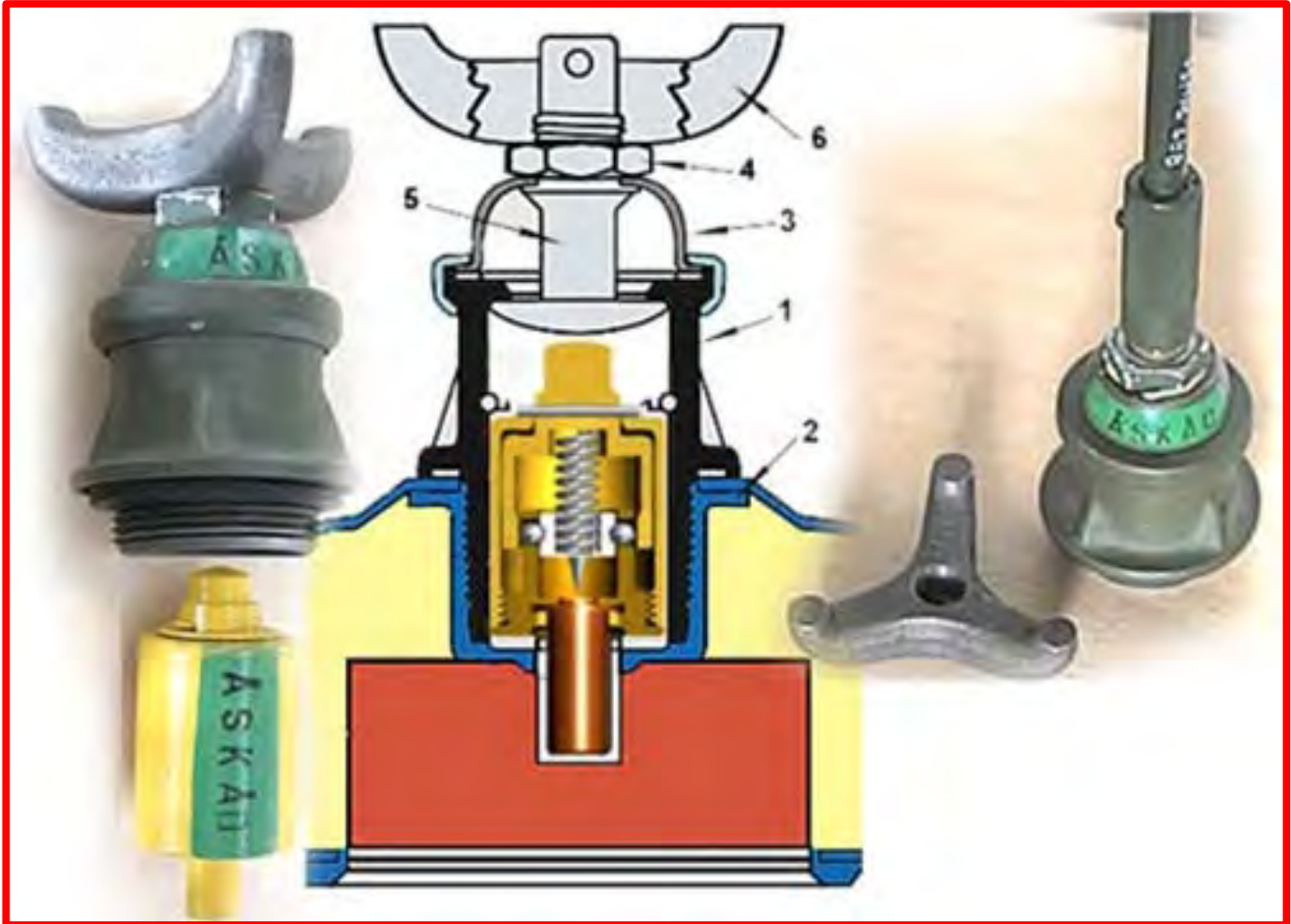
[RETURN](#)

Mintändare m/47



RETURN

Mintändare m/47



RETURN

NVU-P “Oxota”



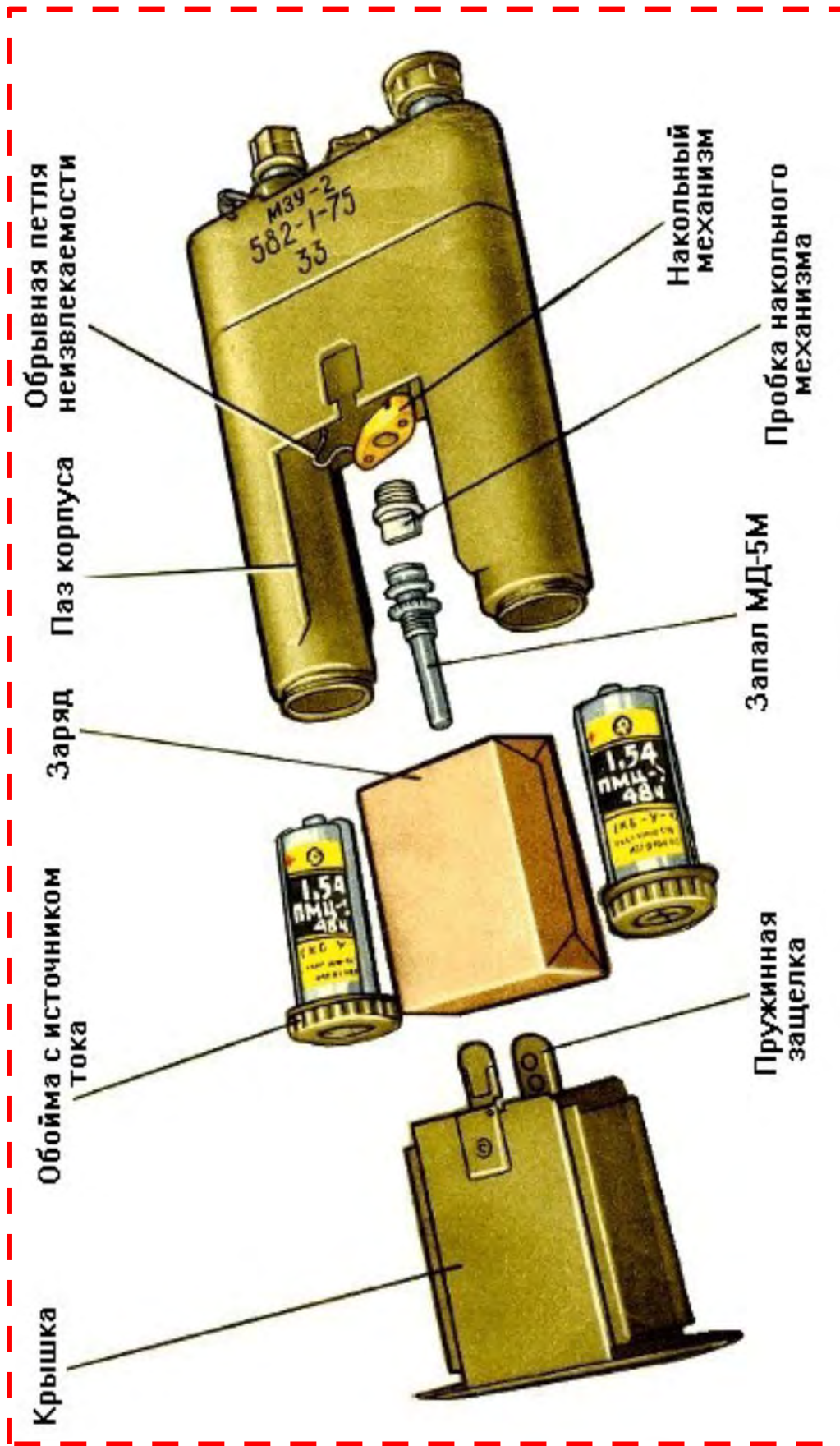
[RETURN](#)

M147



RETURN

MZU-2 "Willow"



[RETURN](#)

MZU-2 "Willow"



[RETURN](#)

VPDM-1M



[RETURN](#)

VPDM-1M



RETURN

AG-23



[RETURN](#)

A-670M



[RETURN](#)

KZ984



RETURN

AF621 (M-6N)



[RETURN](#)

MG-25



[RETURN](#)

V19U



RETURN

V19UK



[RETURN](#)

V19UK



[RETURN](#)

B-23A and B-23M



[RETURN](#)

O-4M



[RETURN](#)

VMG-K and VMG-M



RETURN

VMG-K and VMG-M



[RETURN](#)

VMG-P



RETURN

VMG-P



RETURN

AF35



RETURN

AF41



RETURN

AF611



[RETURN](#)

VP-22



RETURN



B-37 and MG-37

[RETURN](#)

B-37 and MG-37



[RETURN](#)

VP-7, -9, -16, and -18



[RETURN](#)

VP-7, -9, -16, and -18



[RETURN](#)

VP-9



[RETURN](#)

VP-9



[RETURN](#)

I-238



RETURN

O-4N



RETURN

M-6



RETURN

M-6



RETURN



KTM-1

RETURN

RGM, RGM-2, and RMG-2M



[RETURN](#)



V-5M1

RETURN

3V35



RETURN

M-5 and M-5M



[RETURN](#)

MG-N



RETURN

MG-57 and MGZ-57



[RETURN](#)

GPV-2



[RETURN](#)

V-25



RETURN

M-12 and V-22



[RETURN](#)

M-12 and V-22



[RETURN](#)

GPV-3



RETURN

M525



[RETURN](#)

GK-2



[RETURN](#)

GO-2



RETURN

GO-2



RETURN

V-5K



[RETURN](#)

V-5K



RETURN

AZ-Z DM451



[RETURN](#)

AZ-Z DM451



[RETURN](#)

V-429 and V-429E



[RETURN](#)

V-429 and V-429E



[RETURN](#)

DZM



RETURN

M739A1



[RETURN](#)

MRV-U



RETURN

AZ111 and AZ111-A2



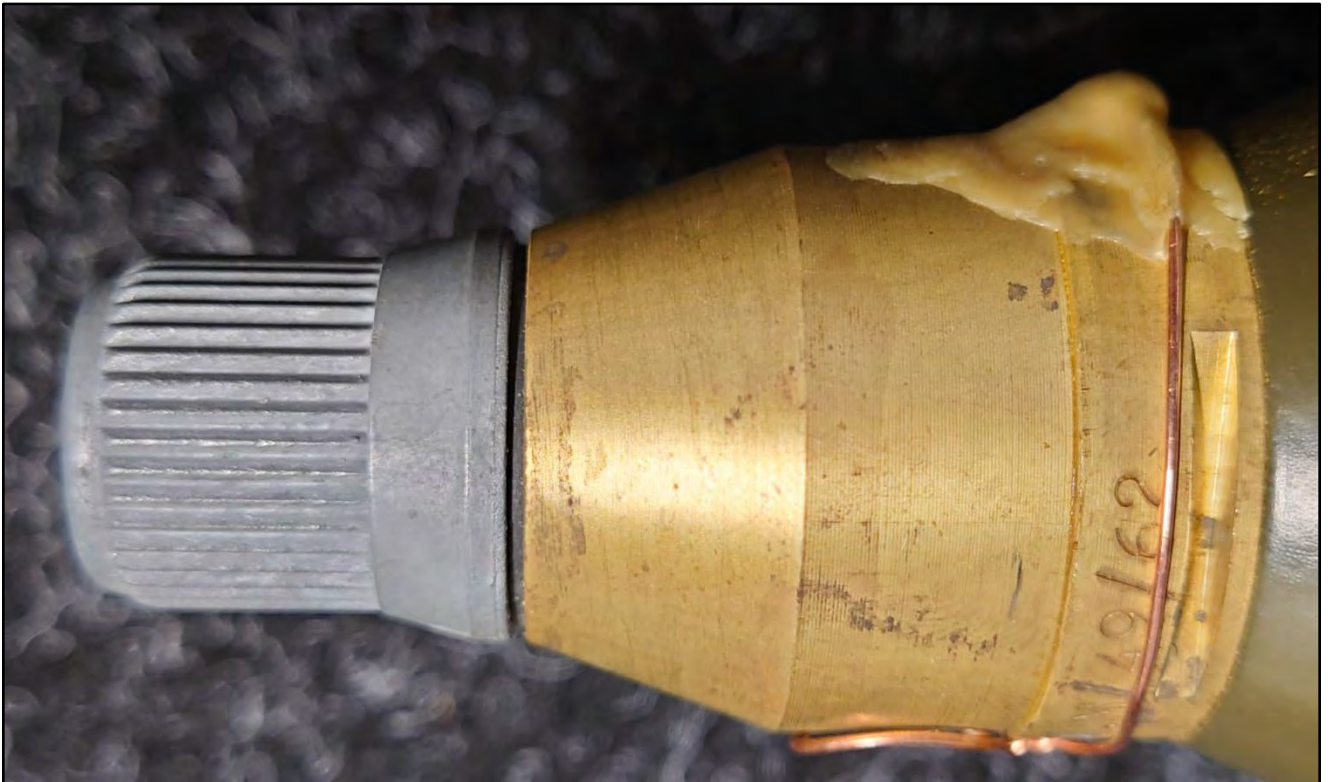
[RETURN](#)

M/49/62



RETURN

M/49/62



RETURN

M783



[RETURN](#)

M557



[RETURN](#)

AF72



RETURN

AF76



RETURN

UT M68P1



RETURN

UT M68P1



[RETURN](#)

UTIU M85



RETURN

AF69



RETURN

AR-MDH



RETURN

PDB 332



RETURN

1033

UTI M63



RETURN

UTI M63



RETURN



AR-5

RETURN



AR-6

RETURN

9E260-1



RETURN

D-1 and D-1U



[RETURN](#)

T-1



RETURN

T-1



RETURN

T-7



[RETURN](#)

DTM-75



[RETURN](#)

T-90



[RETURN](#)

TM-120



RETURN

M767A1



[RETURN](#)

M577



RETURN

M776



RETURN

Propellant Charge for PG-7 Series



[RETURN](#)

Propellant Charge for PG-7 Series



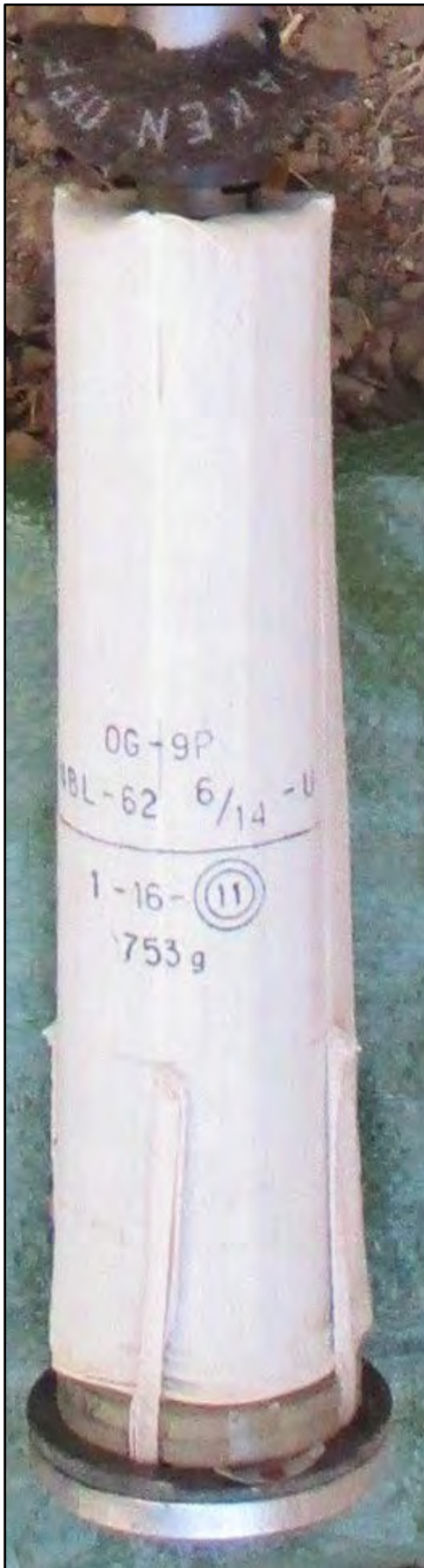
[RETURN](#)

PG-7 Flight Motor



[RETURN](#)

Propellant Charge for OG-9 and PG-9



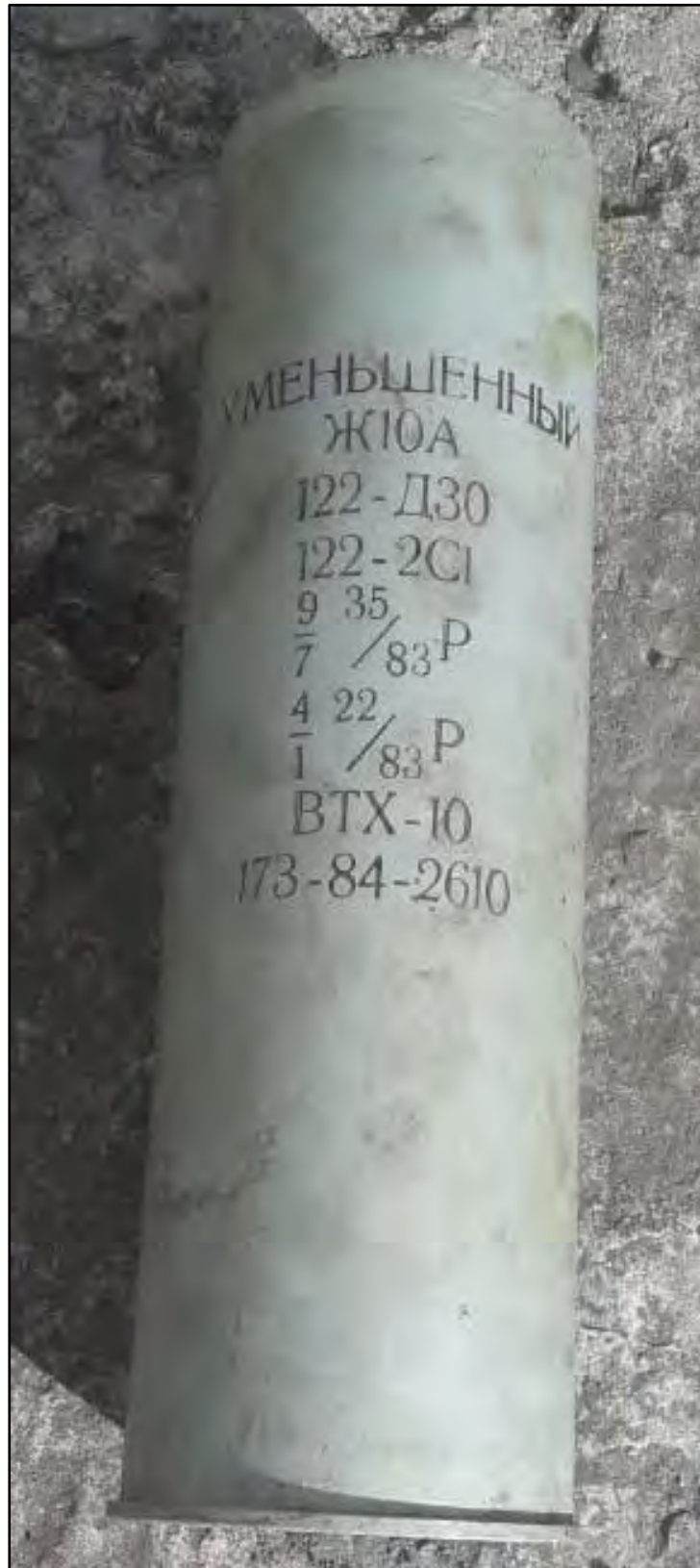
[RETURN](#)

Propellant Charge for OG-15 and PG-15



[RETURN](#)

Propellant Cartridge for 122mm Artillery Projectile



[RETURN](#)

M232 Propellant Charge



[RETURN](#)

M232 Propellant Charge



[RETURN](#)

Handheld Lighting and Signaling Cartridges



[RETURN](#)

DM-11 Smoke Pot



[RETURN](#)

UDSh



RETURN

UDSh



RETURN

UDSh-U



RETURN

UDSh-U



[RETURN](#)

Ground Signaling Cartridge



RETURN

PPR-50



RETURN

L221



RETURN

3D6/3D6M Smoke Grenade



[RETURN](#)

L376-2 "Yagel"



[RETURN](#)

L376-2 “Yagel”



[RETURN](#)

Thermal Battery for 9K32
“Strela-2”



[RETURN](#)

Thermal Battery for 9K38 and 9K310 “Igla” and “Igla-1”



[RETURN](#)

Battery Coolant Unit for FIM-92 Stinger



[RETURN](#)

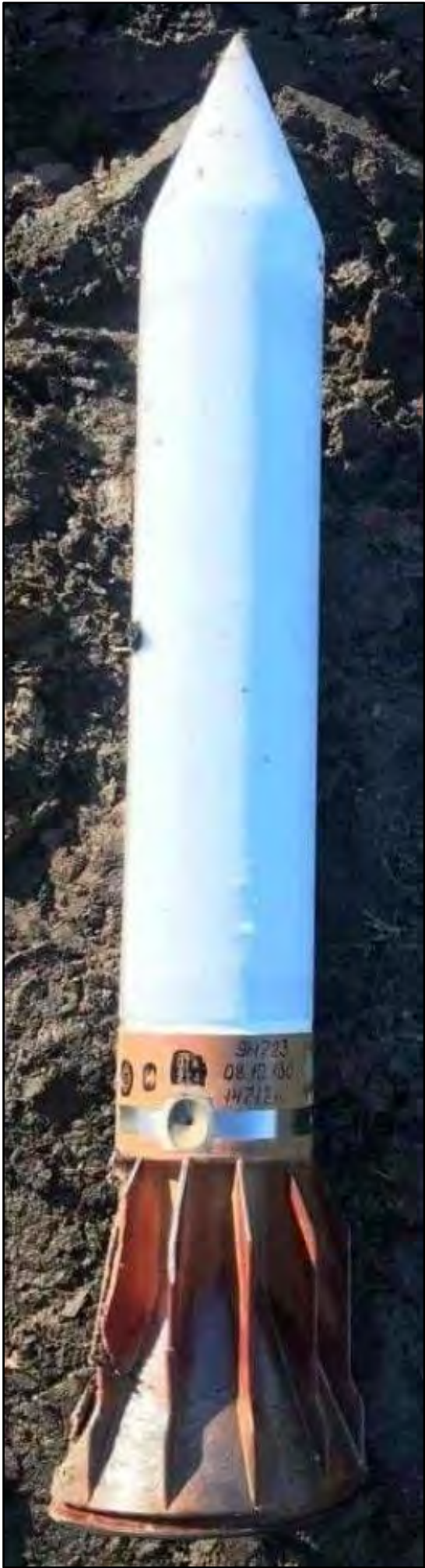
Battery Coolant Unit for FIM-92 Stinger



UNCLASSIFIED

[RETURN](#)

9B899 Decoy



[RETURN](#)

9B899 Decoy



[RETURN](#)

Launch Motor for FIM-92 Stinger



[RETURN](#)

Launch Motor for 9K111 “Fagot”



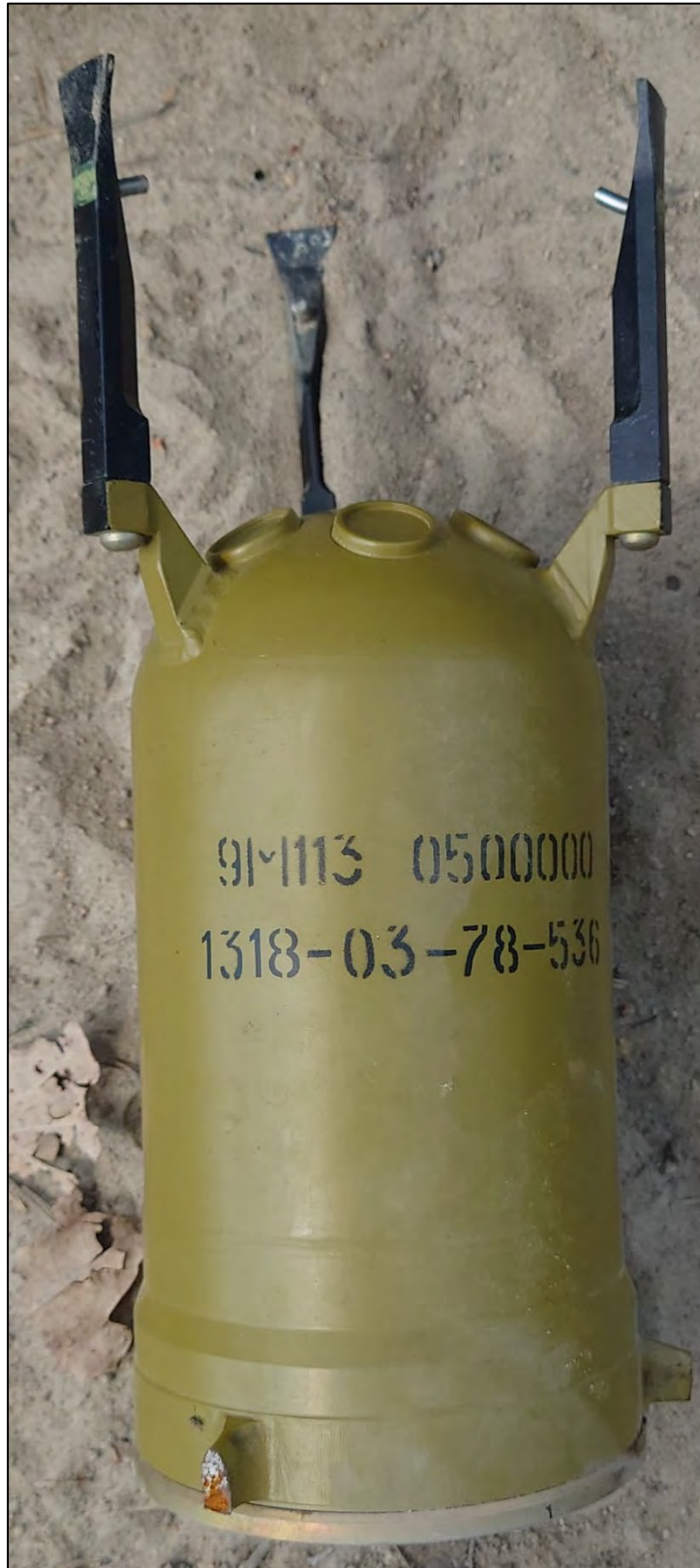
[RETURN](#)

Launch Motor for 9K111 “Fagot”



[RETURN](#)

Launch Motor for 9M113 Konkurs



[RETURN](#)

Launch Motor for 9M113 Konkurs



[RETURN](#)

Launch Motor for 9M113 Konkurs



[RETURN](#)

Launch Motor for 9M120F Ataka



[RETURN](#)

Launch Motor for 9M120F
Ataka



[RETURN](#)

Launch Motor for 9M120F Ataka



[RETURN](#)

Launch Motor for RPO-A



[RETURN](#)

Launch Motor for RPO-A



[RETURN](#)

Contact Cover for 122mm Rockets



[RETURN](#)

Contact Cover for 122mm Rockets



[RETURN](#)

Contact Cover for 122mm Rockets



[RETURN](#)

Contact Cover for 122mm Rockets



[RETURN](#)

NATO Lifting Plug for Artillery Projectiles



[RETURN](#)

NATO Lifting Plug for Artillery Projectiles



[RETURN](#)

NATO Lifting Plug for Artillery Projectiles



[RETURN](#)

NATO Lifting Plug for Artillery Projectiles



[RETURN](#)

Modular Reactive Armor KhSChKV-19



[RETURN](#)

Modular Reactive Armor KhSChKV-34



[RETURN](#)

4S20 Reactive Armor Panel



[RETURN](#)

4S20 Reactive Armor Panel



[RETURN](#)

Reactive Armor Box (model unk)



[RETURN](#)

OZ-1 Cratering Charge



[RETURN](#)

OZ-1 Cratering Charge



[RETURN](#)

OZ-1 Cratering Charge



[RETURN](#)

KZ-4



[RETURN](#)

KZ-4



[RETURN](#)

ML-5



[RETURN](#)

ML-5



[RETURN](#)

ML-5



[RETURN](#)

EDP



[RETURN](#)

EDP-r



[RETURN](#)

Grenade Discharge Cup for AK



[RETURN](#)

Grenade Discharge Cup for AK



[RETURN](#)

Grenade Discharge Cup for AK



[RETURN](#)