



PRODUCT CATALOGUE



www.adordefense.com



At ADOR we design, develop and manufacture high quality – high endurance **Propellant Bags** used in Artillery Shells and **Ammunition Parachute Systems**, as well as other military / technical textile products used in Defence & Aerospace applications, including military / industrial uniforms of specific requirements.

Our Product Designs maintain the following specifications / standards:

- △ High quality fabric (Cotton / Viscose)
- △ Specially formulated coating for Zero-Residue in Barrel after firing
- △ Water Repellent
- △ Robust design for high endurance under harsh storage conditions
- △ Customizable dimensions for manual or automated filling
- △ In line with relevant Military Specifications & Standards
- △ Fire-proof (for Parachute Systems)
- △ Tested & certified for endurance, residue and waterproofing

PROPELLANT BAGS FOR 122MM ARTILLERY AMMUNITION





ADRI22

FC-C

122mm Full Charge Propellant Bag

ADRI22-FC-C is ADOR's 122mm Full Charge Propellant Bag based on high quality cotton weaving.

122mm Full Charge Propellant is a separate loading charge used in 122mm towed and / or self-propelled howitzers for achieving maximum range. The 122mm Full Charge Propellant Bag consists of 3.6 kg of Propellant Powder, placed inside a Fe/Brass case and ignited with a KV-U primer.

Shelf life of ADRI22-FC-C 122mm Full Charge Propellant Bags are 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: D-30 (2A18), D-74, M-30, M1974 (2S1 Gvozdika), 2S2 (Fialka), PLZ-07 (Type 07), 2S22 Bohdana





ADRI122

RC-C

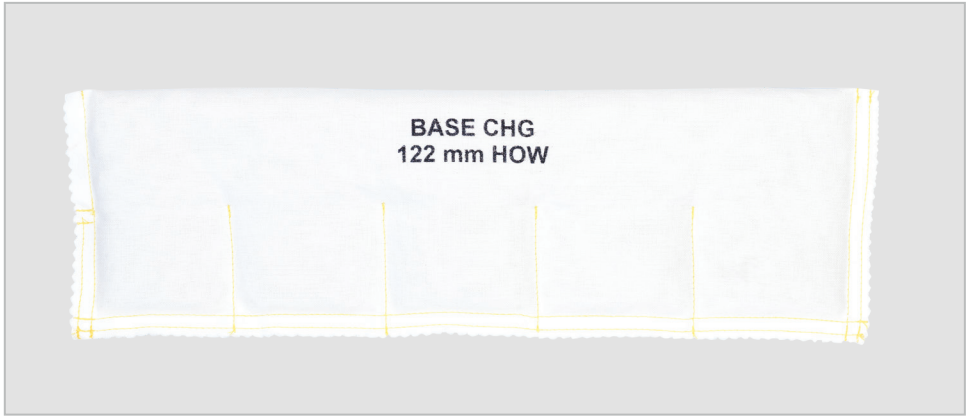
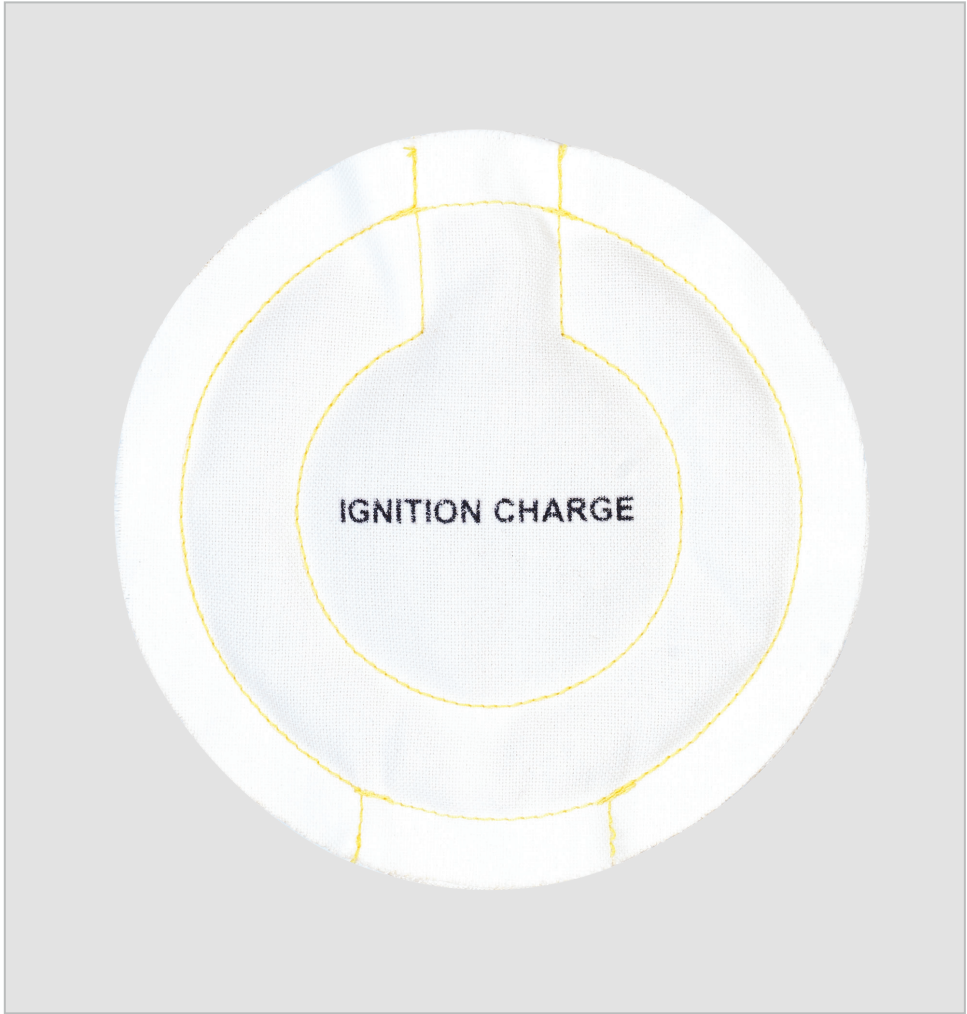
122mm Reduced Charge Propellant Bag

ADRI122-RC-C is ADOR's 122mm Reduced Charge Propellant Bag based on high quality cotton weaving.

122mm Reduced Charge Propellant is a separate loading charge used in 122mm towed and / or self-propelled howitzers. The 122mm Reduced Charge Propellant Bag consists of multiple increments containing 2.7 kg of Propellant Powder, placed inside a Fe/Brass case and ignited with a KV-U primer.

Shelf life of ADRI122-RC-C 122mm Reduced Charge Propellant Bags are 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: D-30 (2A18), D-74, M-30, M1974 (2S1 Gvozdika), 2S2 (Fialka), PLZ-07 (Type 07), 2S22 Bohdana



PROPELLANT BAGS FOR 155MM ARTILLERY AMMUNITION





ADR155 WBZ7-C

155mm M4A2 Zone-7 Propellant Bag (White Bag-Cotton)

ADR155-WBZ7-C is ADOR's 155mm M4A2 Zone-7 Propellant Bag based on 200gr / m2 high quality cotton weaving, coated with a specially formulated chemical compound to prevent residue in chamber / breech.

The M4A2 Zone-7 Propelling Charge is a separate loading charge used in 155mm howitzers for firing in Zones 3, 4, 5, 6, and 7. The full M4A2 Propelling Charge consists of 13.4 lbs. (6 kg), of M1 propellant and is divided between a base charge and four unequal increments loaded in white cloth bags. The increments are connected by four cloth tapes sewn to the base and tied on top of increment. The igniter contains clean burning igniter (CBI) in a red cloth pad sewn to the bottom of the base charge.

ADR155-WBZ7-C 155mm M4A2 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M1, M1A1, M45, M126, M126A1, M185, M199





ADR155

WBZ7-V

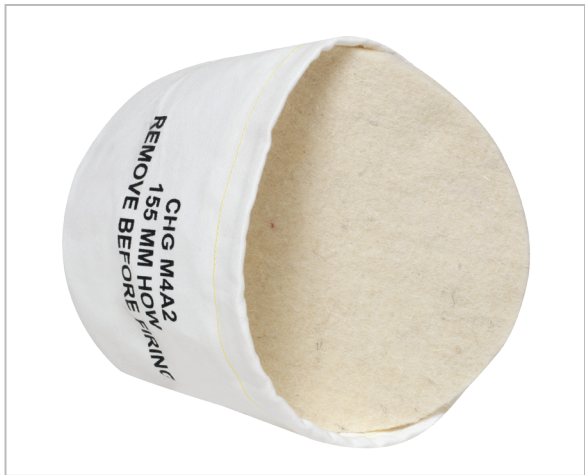
155mm M4A2 Zone-7 Propellant Bag (White Bag-Viscose)

ADR155-WBZ7-C is ADOR's 155mm M4A2 Zone-7 Propellant Bag based on 200gr / m2 high quality viscose weaving, coated with a specially formulated chemical compound to prevent residue in chamber / breech.

The M4A2 Zone-7 Propelling Charge is a separate loading charge used in 155mm howitzers for firing in Zones 3, 4, 5, 6, and 7. The full M4A2 Propelling Charge consists of 13.4 lbs. (6 kg), of M1 propellant and is divided between a base charge and four unequal increments loaded in white cloth bags. The increments are connected by four cloth tapes sewn to the base and tied on top of increment. The igniter contains clean burning igniter (CBI) in a red cloth pad sewn to the bottom of the base charge.

ADR155-WBZ7-C 155mm M4A2 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M1, M1A1, M45, M126, M126A1, M185, M199





ADR155

RBZ7-C

155mm M119A2 Zone-7 Propellant Bag (Red Bag-Cotton)

ADR155-RBZ7-C is ADOR's 155mm M119A2 Zone-7 Propellant Bag based on 240gr / m2 cotton weaving, with lead liner for de-coppering and a special chemical coating to prevent residue in chamber / breech.

The M119A2 Propelling Charge is a Zone-7, single increment red bag charge which contains a base igniter pad with 4 ounces CBI powder and a center spot of 0.5 ounces of black powder. The charge is approximately 29 inches long by 6 inches in diameter and contains 20,9 pounds of M6 propellant.

ADR155-RBZ7-C 155mm M119A2 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M185 (M109A1/A2/A3), M199 (M198)





ADR155

RBZ7-V

155mm M119A2 Zone-7 Propellant Bag (Red Bag-Viscose)

ADR155-RBZ7-C is ADOR's 155mm M119A2 Zone-7 Propellant Bag based on 240gr / m2 viscose weaving, with lead liner for de-coppering and a special chemical coating to prevent residue in chamber / breech.

The M119A2 Propelling Charge is a Zone-7, single increment red bag charge which contains a base igniter pad with 4 ounces CBI powder and a center spot of 0.5 ounces of black powder. The charge is approximately 29 inches long by 6 inches in diameter and contains 20,9 pounds of M6 propellant.

ADR155-RBZ7-C 155mm M119A2 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M185 (M109A1/A2/A3), M199 (M198)





ADR155

GBZ5-C

155mm M4A1 Zone-5 Propellant Bag (Green Bag-Cotton)

ADR155-GBZ5-C is ADOR's 155mm M3A1 Zone-5 Propellant Bag based on 200gr / m2 high quality cotton weaving, coated with a specially formulated chemical compound to prevent residue in chamber / breech.

The M3A1 Zone-5 Propelling Charge is a separate loading charge used in 155mm howitzers for firing in Zones 1 through 5. The M3A1 Propelling Charge consists of approximately 5.50 pounds of propellant including a base charge and four unequal increments loaded in cloth bags. The bags are fastened together with four cloth straps sewn to the base and tied on top of Increment 5. Charge M3A1 is assembled without flash reducer pads. Charge M3A1 includes 3 flash reducer pads containing potassium nitrate or potassium sulphate. The igniter charge of the M3A1 is 3.5 ounces of clean burning igniter (CBI) in a red cloth bag sewn to the rear of the base section. The igniter charge of the M3 is 3 ounces of black powder.

ADR155-GBZ5-C 155mm M3A1 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M1, M1A1, M45, M126, M126A1, M185, M199





ADR155

GBZ5-V

155mm M4A1 Zone-5 Propellant Bag (Green Bag-Viscose)

ADR155-GBZ5-C is ADOR's 155mm M3A1 Zone-5 Propellant Bag based on 200gr / m2 high quality viscose weaving, coated with a specially formulated chemical compound to prevent residue in chamber / breech.

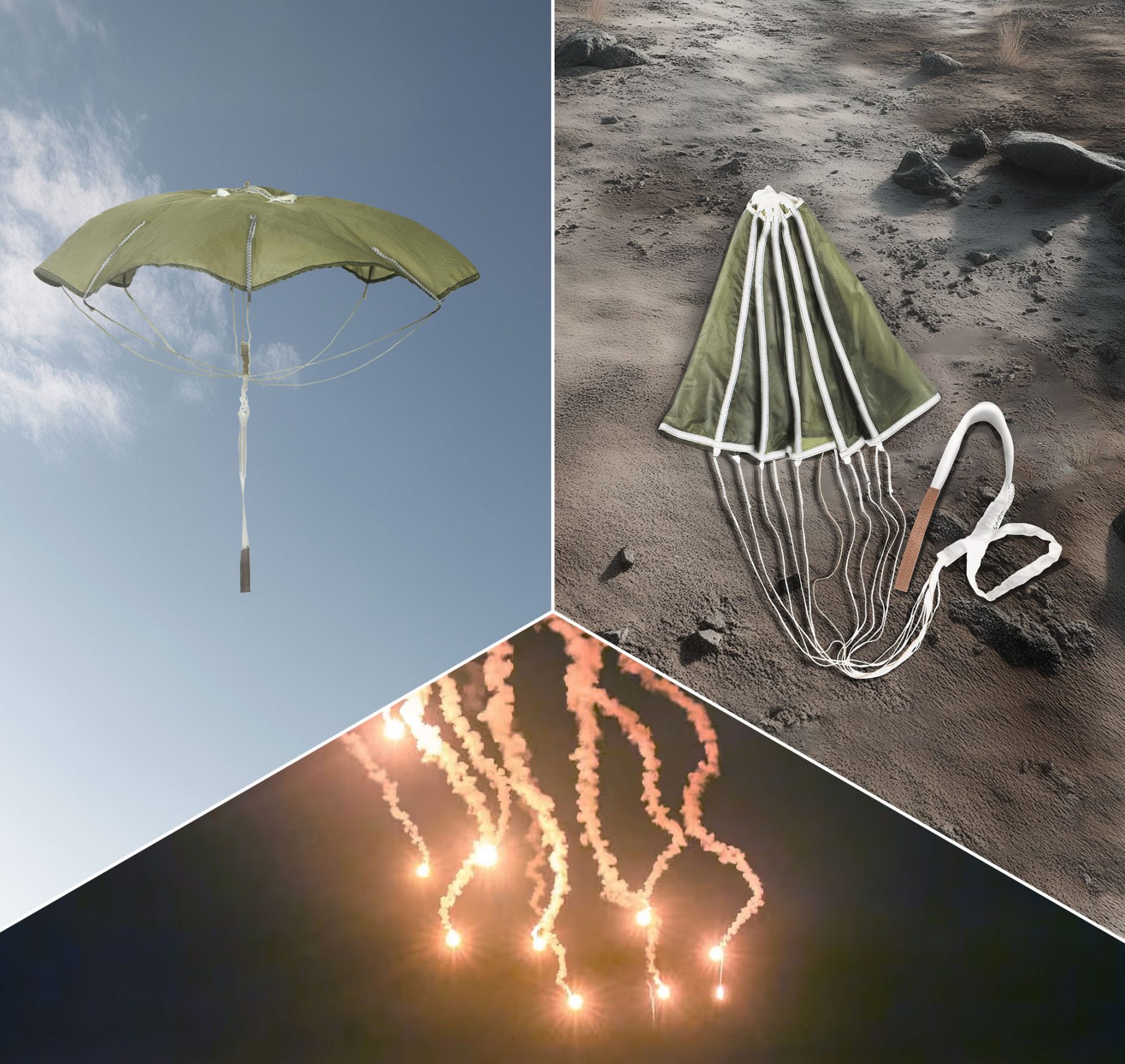
The M3A1 Zone-5 Propelling Charge is a separate loading charge used in 155mm howitzers for firing in Zones 1 through 5. The M3A1 Propelling Charge consists of approximately 5.50 pounds of propellant including a base charge and four unequal increments loaded in cloth bags. The bags are fastened together with four cloth straps sewn to the base and tied on top of Increment 5. Charge M3A1 is assembled without flash reducer pads. Charge M3A1 includes 3 flash reducer pads containing potassium nitrate or potassium sulphate. The igniter charge of the M3A1 is 3.5 ounces of clean burning igniter (CBI) in a red cloth bag sewn to the rear of the base section. The igniter charge of the M3 is 3 ounces of black powder.

ADR155-GBZ5-C 155mm M3A1 Propellant Bags have a shelf life of 5 and 10 years for uncontrolled and controlled storage conditions respectively.

Compatible Howitzer / Cannons: M1, M1A1, M45, M126, M126A1, M185, M199



AMMUNITION PARACHUTE SYSTEMS



ADR

ILP-60

Parachute System for 60mm Illuminating Mortar Shell

ADR-ILP-60 is ADOR's Parachute System for 60mm Illuminating Mortar Shells based on high quality fabric.

60mm Illuminating Round Parachute System is a parachute kit which is a critical component of both standard and extended range 60mm Illuminating Mortar Shells. System operates by deploying mid-flight to ensure maximum time for illumination.

Compatible Ammunition: 60mm Standard & Extended Range Illuminating Mortar Shells

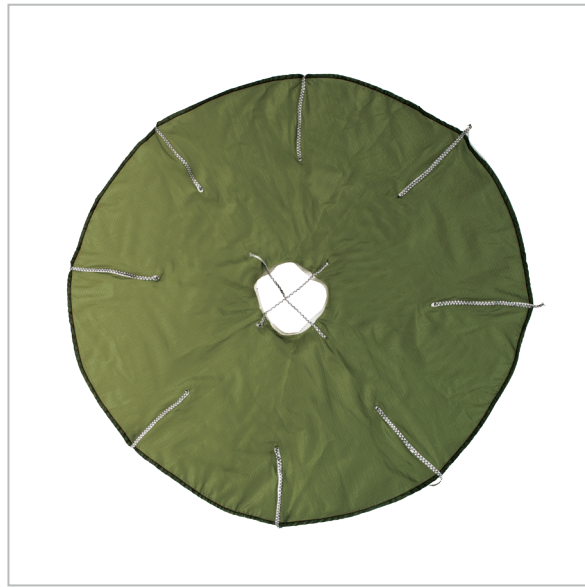
ADOR Defense is a renowned manufacturer of Propellant Bags and Parachute Systems used in Artillery & Tank Ammunition as well as other military / technical textile components used in Defence & Aerospace Industries including military / industrial uniforms of specific requirements.

Our Parachute System designs are based on:

- High quality fabric
- Water Repellent
- Fire-proof
- Robust design for high endurance under harsh conditions
- Customizable dimensions
- In line with relevant Military & Industrial Standards
 - o PIA/MIL-C-7020
 - o PIA/MIL-C-44378
 - o PIA/MIL-C-7350
 - o PIA/MIL-C-5646
 - o MIL-C-5040 PA66

Types & Calibers of ADOR Defense's Parachute Systems:

- 40mm Illuminating Grenades
- 81mm Illuminating Mortar Shells
- 82mm Illuminating Mortar Shells
- 120mm Illuminating Mortar Shells
- 122mm Illuminating Artillery Shells
- 152mm Illuminating Artillery Shells
- 55mm Illuminating Artillery Shells
- Various Types of Flare Targets
- Various Types of Air Dropped Cargo Platforms





ADR

ILP-81

Parachute System for 81mm Illuminating Mortar Shell

ADR-ILP-81 is ADOR's Parachute System for 81mm Illuminating Mortar Shells based on high quality fabric.

81mm Illuminating Round Parachute System is a parachute kit which is a critical component of both standard and extended range 81mm Illuminating Mortar Shells. System operates by deploying mid-flight to ensure maximum time for illumination.

Compatible Ammunition: 81mm Standard & Extended Range Illuminating Mortar Shells

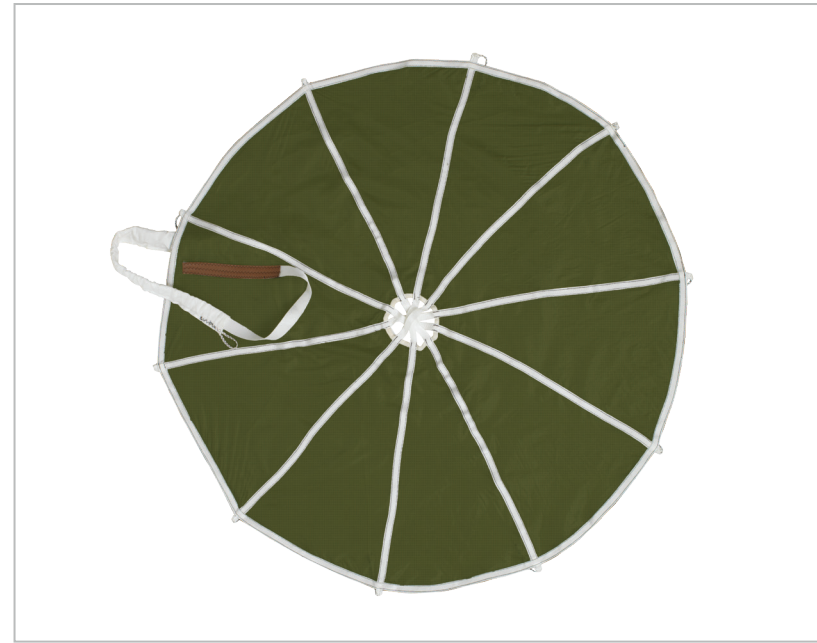
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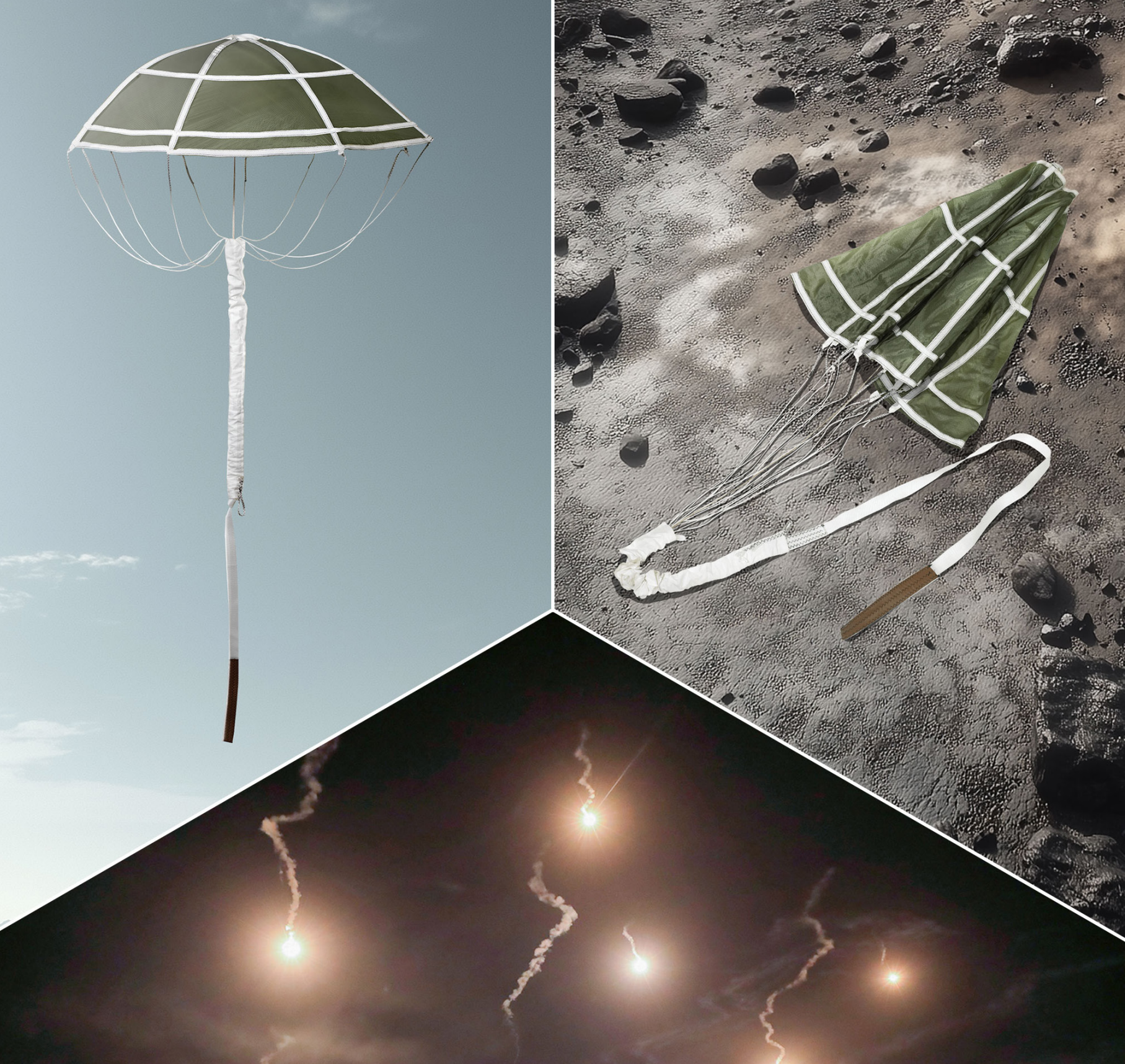
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 - o PIA/MIL-C-44378
 - o PIA/MIL-C-7350
 - o PIA/MIL-C-5646
 - o MIL-C-5040 PA66

Types & Calibers of ADOR Defense's Parachute Systems:

- 40mm Illuminating Grenades
- 81mm Illuminating Mortar Shells
- 82mm Illuminating Mortar Shells
- 120mm Illuminating Mortar Shells
- 122mm Illuminating Artillery Shells
- 152mm Illuminating Artillery Shells
- 55mm Illuminating Artillery Shells
- Various Types of Flare Targets
- Various Types of Air Dropped Cargo Platforms





ADR

ILP-120

Parachute System for 81mm Illuminating Mortar Shell

ADR-ILP-120 is ADOR's Parachute System for 120mm Illuminating Mortar Shells based on high quality fabric.

120mm Illuminating Round Parachute System is a parachute kit which is a critical component of both standard and extended range 120mm Illuminating Mortar Shells. System operates by deploying mid-flight to ensure maximum time for illumination.

Compatible Ammunition: 120mm Standard & Extended Range Illuminating Mortar Shells

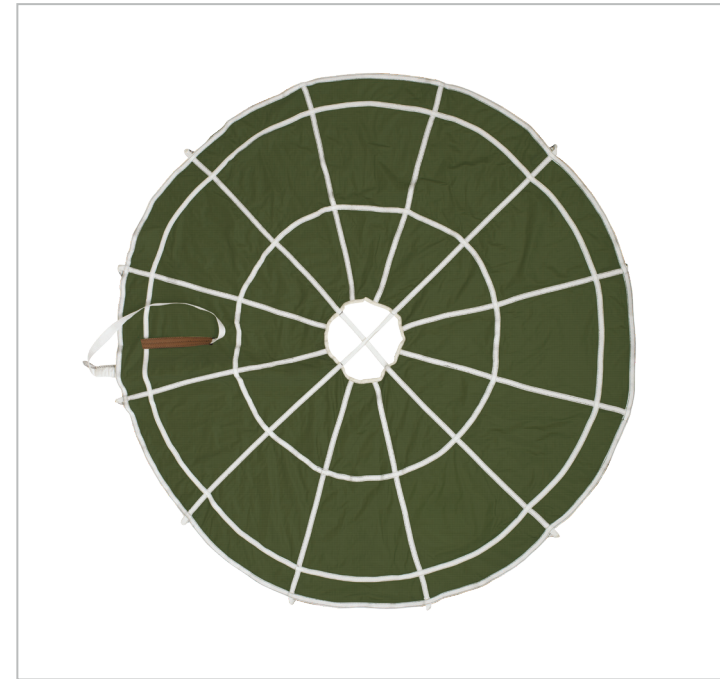
ADOR Defense is a renowned manufacturer of Propellant Bags and Parachute Systems used in Artillery & Tank Ammunition as well as other military / technical textile components used in Defence & Aerospace Industries including military / industrial uniforms of specific requirements.


Our Parachute System designs are based on:

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 - o PIA/MIL-C-44378
 - o PIA/MIL-C-7350
 - o PIA/MIL-C-5646
 - o MIL-C-5040 PA66

Types & Calibers of ADOR Defense's Parachute Systems:

- 40mm Illuminating Grenades
- 81mm Illuminating Mortar Shells
- 82mm Illuminating Mortar Shells
- 120mm Illuminating Mortar Shells
- 122mm Illuminating Artillery Shells
- 152mm Illuminating Artillery Shells
- 55mm Illuminating Artillery Shells
- Various Types of Flare Targets
- Various Types of Air Dropped Cargo Platforms





At ADOR Defense, we design, develop and manufacture various types of military grade, high quality, durable technical textile products, ranging from **Propellant Bags for Artillery Shells** to **Military Uniforms**, as well as **Parachute Systems for the use of Armed Forces in Illuminating Ammunition Systems** or other platforms.

Our primary objective at ADOR is to apply **cutting edge technology** to our designs so as to ensure overall endurance and ruggedness of our Products for harsh conditions.

Thanks to our distinctive expertise in Military / Technical Grade Textile design and **advanced machinery**, we are successfully supplying large quantities of **Propellant Bags** and other types of military grade products to various domestic and international large caliber ammunition manufacturers.

In addition to our expertise in military grade textile, ADOR is also cooperating with various clients and manufacturers from different countries in the Middle East, Europe, Africa, and Central Asia in the field of **Defense Trading, Ammunition & Raw Materials Procurement and Business Development services.**

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