

## LINE DIAGRAM UNAVAILABLE

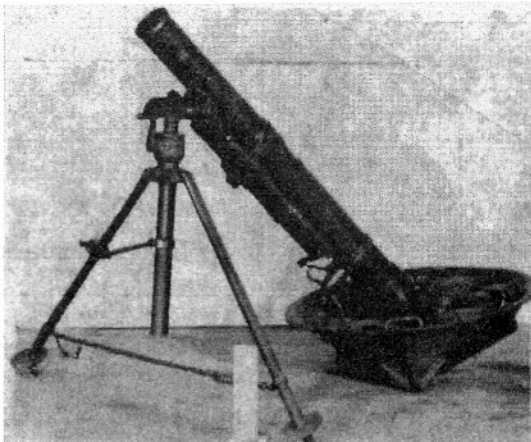
### 60MM TYPE-31 MORTAR

**Description:** The Chinese Type-31 is almost identical to the US 60mm mortar. It is believed that the rounds for the US model are interchangeable with the Chinese variant.

**Crew:** 2 **Caliber:** 60mm **Weight:** 20 kg **Ammunition:** Unk **Range:** 200-1630 m **Rate of Fire:** 15-20 rpm.

**82MM M-37 MORTAR**

**Description:** The Soviet M-37 is a mortar with a fixed firing pin for drop firing. **Crew:** 5 **Caliber:** 82mm  
**Weight:** 56 kg **Ammunition:** Frag-HE, smoke, illuminating, incendiary **Range:** 100-3000 m **Rate of Fire:** 15-25 rpm.



### 120MM M-1943 MORTAR

**Description:** The Soviet M-1943 is a mortar that can be drop fired or trigger fired by use of a lanyard. The Chinese variant of this mortar is the Type-53. **Crew:** 6 **Caliber:** 120mm **Weight:** 500 kg **Ammunition:** Frag-HE, HE, smoke, illuminating, incendiary, possible chemical **Range:** 460-5700 m **Rate of Fire:** 12-15 rpm.

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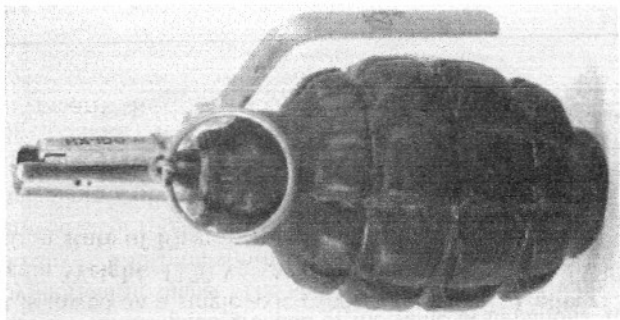
### 160MM M-43 MORTAR

**Description:** The Soviet M-43 is a breech loaded mortar that is towed on a single axle carriage. **Crew:** 7 **Caliber:** 160mm **Weight:** 1170 kg **Ammunition:** Unk **Range:** 630-5150 m **Rate of Fire:** 3 rpm.

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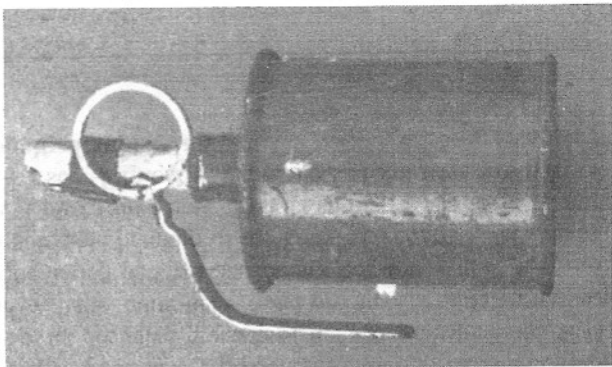
Equipment Recognition

6-104



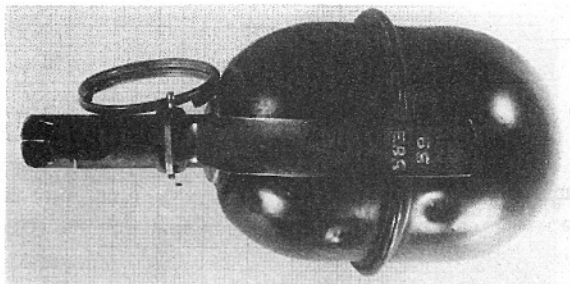
## F-1 FRAGMENTATION HAND GRENADE

**Description:** The F-1 produced by the DPRK is a copy of the Soviet designed grenade of the same designation. It is oval in shape, quite heavy, and produces a wide variety of fragmentation patterns and ranges because of the unpredictable breakup of the body. **Grenade Case:** cast iron **Color:** olive drab **Fuze Type:** striker release **Delay:** 3.2-4.2 sec **Explosive Type:** TNT **Explosive Weight:** 60 g **Casualty Radius:** 15-20 m.



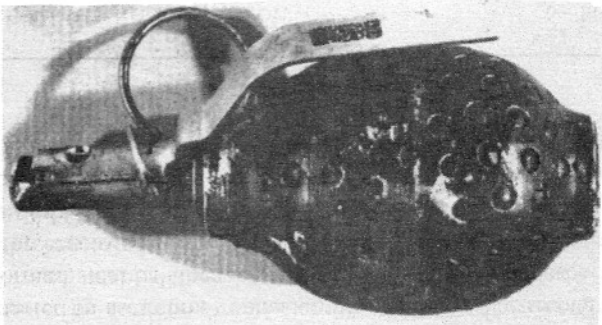
## RG-42 FRAGMENTATION HAND GRENADE

**Description:** The RG-42 produced by the DPRK is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape. The sheet steel body, closed with end caps in a fashion similar to a tin can, encloses a pre-engraved steel fragmentation liner. **Grenade Case:** sheet metal **Color:** olive drab **Fuze Type:** striker release **Delay:** 3.2-4.2 sec **Explosive Type:** TNT **Explosive Weight:** 118g **Casualty Radius:** 20m.



## **RGD-5 FRAGMENTATION HAND GRENADE**

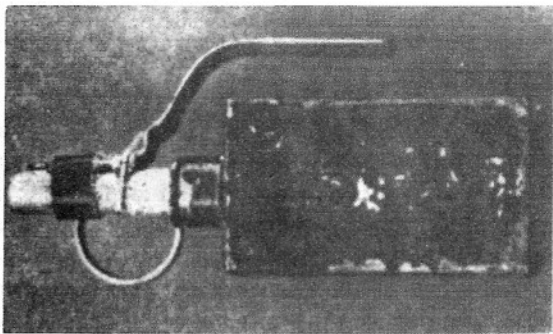
**Description:** The RGD-5 produced by the DPRK is a copy of the Soviet designed grenade of the same designation. It is oval in shape. The two piece sheet steel body is joined in the center by a circumferential crimp. A two piece serrated steel fragmentation liner is placed between the grenade body and the explosive filler. **Grenade Case:** sheet metal **Color:** olive drab **Fuze Type:** striker release **Delay:** 3.2-4.2 sec **Explosive Type:** TNT **Explosive Weight:** 110g **Casualty Radius:** 20m.



### UNKNOWN FRAGMENTATION HAND GRENADE

**Description:** This hand grenade is produced by the DPRK for use in special operations. It is oval in shape. The cast aluminum body forms a matrix in which preformed cast iron ball fragments are embedded. There is a possibility that this grenade has been adapted to fire from a rifle. **Grenade Case:** aluminum **Color:** olive drab **Fuze Type:** striker release **Delay:** 3.2-4.2 sec **Explosive Type:** TNT **Explosive Weight:** 60g **Casualty Radius:** 20m.

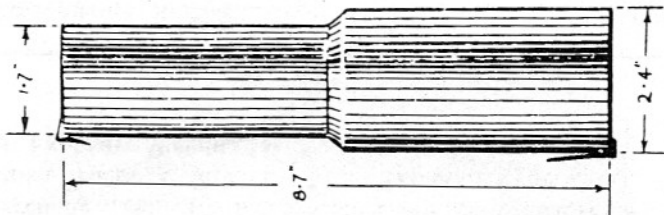




## UNKNOWN FRAGMENTATION HAND GRENADE

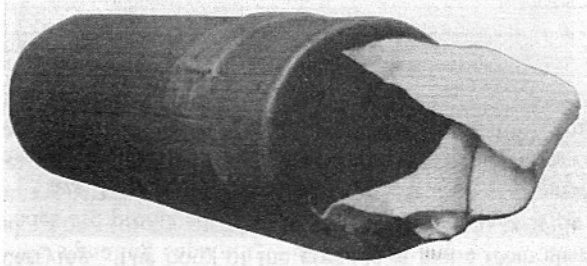
**Description:** This hand grenade is rectangular in shape and is referred to as a "box" grenade. The body is sheet metal. Preformed steel balls, each with a diameter of approx. 6.3 mm, are enclosed in the body for additional fragmentation.

**Grenade Case:** sheet metal **Color:** olive drab **Fuze Type:** striker release **Delay:** 3.2-4.2 sec **Explosive Type:** Comp B **Explosive Weight:** 55g **Casualty Radius:** 20m.



### RDG-1 SMOKE HAND GRENADE

**Description:** The RDG-1 smoke grenade is produced by the DPRK and is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape. The body of the grenade, made from molded cardboard, is affixed to a wooden handle. The grenade will float and therefore can be used in the water. The primary purpose of the grenade is to provide signaling capability. Both black and white smoke grenades are produced. **Grenade Case:** cardboard **Color:** gray **Fuze Type:** pull friction **Delay:** 5-10 sec **Filler:** Potassium chloride **Duration:** 60-90 sec **Dispersion:** 460 sq m.



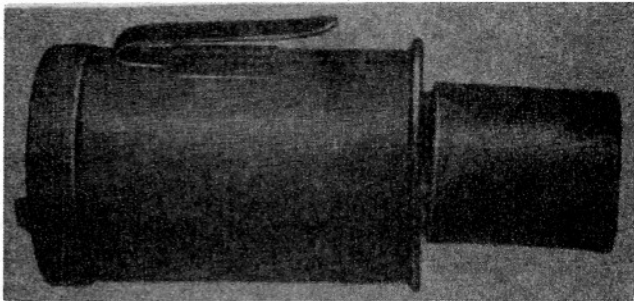
## RDG-2 SMOKE HAND GRENADE

**Description:** The RDG-2 smoke grenade is produced by the DPRK and is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape. The body of the grenade is made from molded cardboard. The primary purpose of the grenade is to provide limited concealment for maneuvering troops. The RDG-2 is white smoke, RDG-2ch is black smoke, and the RDG-2kh is grey smoke. **Grenade**

**Case:** cardboard **Color:** gray **Fuze Type:** pull friction

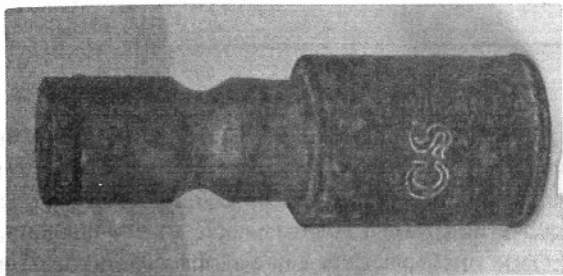
**Delay:** 10-15 sec **Filler:** HC smoke **Duration:** 90 sec

**Dispersion:** 160 sq m.



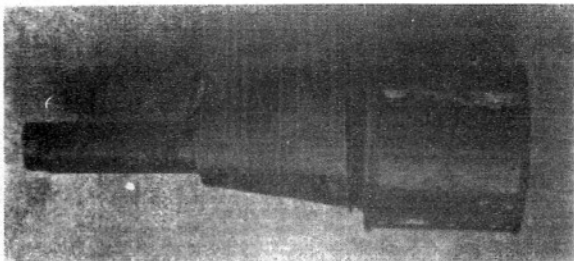
### TYPE S SMOKE HAND GRENADE

**Description:** The Type S smoke grenade is produced by the DPRK and is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape and has a metal clasp affixed to the side for fastening the grenade onto a belt for carrying. The body of the grenade is made from sheet metal. The primary purpose of the grenade is to provide screening smoke. Only white smoke is available. **Grenade Case:** sheet metal **Color:** unk **Fuze Type:** pyrotechnic **Delay:** 12-15 sec **Filler:** Potassium chloride or Ammonium nitrate **Duration:** 60-90 sec **Dispersion:** 15-20m.



## LACRIMATORY HAND GRENADE

**Description:** This grenade is a copy of a North Vietnamese model. The design follows the typical Vietnamese construction with a wooden handle and a thin sheet metal body. A small explosive charge is present in the grenade to disperse the tear agent filler. The illustration is that of a Vietnamese model, but is reportedly similar to those used by the DPRK. **Grenade Case:** sheet metal **Color:** light blue/green with a red band **Fuze Type:** pull friction **Delay:** 3-4 sec **Filler:** TNT/CS mixture **Duration:** Unk **Dispersion:** 10m.



## RPG-43 ANTITANK HAND GRENADE

**Description:** The RPG-43 hand grenade produced by North Korea is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape with a large wooden handle. The RPG-43 is large, bulky, and lacks sufficient stabilization to allow it to accurately impact and function on the target. This grenade is being replaced by the RKG-3 and is seldom encountered. **Grenade Case:** sheet metal **Color:** olive drab **Fuze Type:** impact **Delay:** none **Explosive Type:** TNT **Explosive Weight:** 600 g **Armor Penetration:** 75mm.



### RKG-3 ANTITANK HAND GRENADE

**Description:** The RKG-3 hand grenade produced by the DPRK is a copy of the Soviet designed grenade of the same designation. It is cylindrical in shape. The grenade employs a shaped charge warhead for armor penetration. The size, weight, and characteristics of the grenade make it hard to throw and difficult to accurately place on the target.

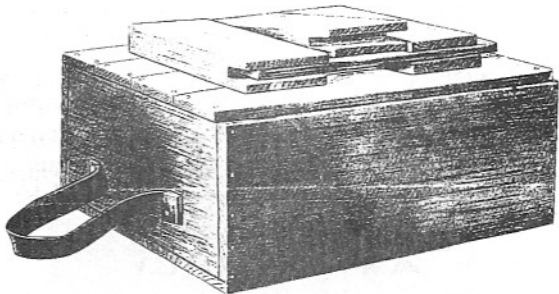
**Grenade Case:** sheet steel **Color:** olive drab **Fuze Type:** impact **Delay:** none **Explosive Type:** TNT **Explosive Weight:** 575 g **Armor Penetration:** 125mm.



## ATM-72 ANTITANK MINE

**Description:** The ATM-72 is a antitank blast mine. **Mine Case:** metal **Color:** olive drab **Fuze Type:** MF-2 pressure **Actuation Force:** 300-600 kg **Explosive Type:** TH-50 **Explosive Weight:** 9 kg.





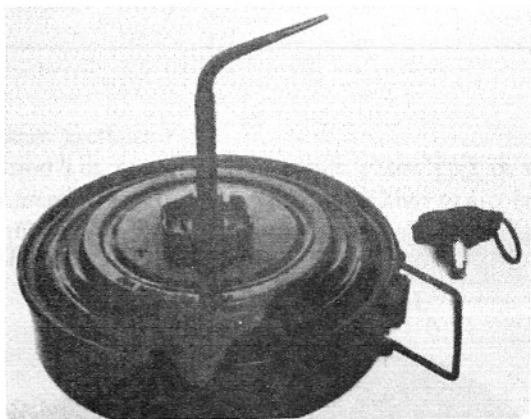
## TMD-B ANTITANK MINE

**Description:** The TMD-B is a antitank blast mine. **Mine Case:** wood **Color:** olive drab or natural wood **Fuze Type:** MV-5 pressure **Actuation Force:** 200-500 kg **Explosive Type:** Amatol **Explosive Weight:** 9-9.7 kg.



### TMD-44 ANTITANK MINE

**Description:** The TMD-44 is an antitank blast mine. **Mine Case:** wood **Color:** olive drab or natural wood **Fuze Type:** MV-5 pressure **Actuation Force:** 200-500 kg **Explosive Type:** TNT or Ammonite 80 **Explosive Weight:** 4-6.7 kg.



### TM-46 & TMN-46 ANTITANK MINE

**Description:** The TM-41 and TMN-46 are antitank blast mines. The only difference between the two is that the TMN-46 has a second fuze well for boobytrap purposes where the TM-46 does not. **Mine Case:** metal **Color:** olive drab **Fuze Type:** MV-5 & MV-46 pressure **Actuation Force:** 180 kg for MV-46 & 200-500 for MV-5 **Explosive Type:** TNT or Amatol **Explosive Weight:** 5.7 kg.



### TM-41 ANTITANK MINE

**Description:** The TM-41 is a antitank blast mine. **Mine Case:** metal **Color:** olive drab **Fuze Type:** MV-5 pressure **Actuation Force:** 160 kg **Explosive Type:** TNT or Amatol **Explosive Weight:** 4 kg.