



# United Nation Mine Action Service (UNMAS)

## GRENADES



Typical hand grenade, fragmentation-type, left new, right as found



Ball shaped



stick grenade



cylindrical shape



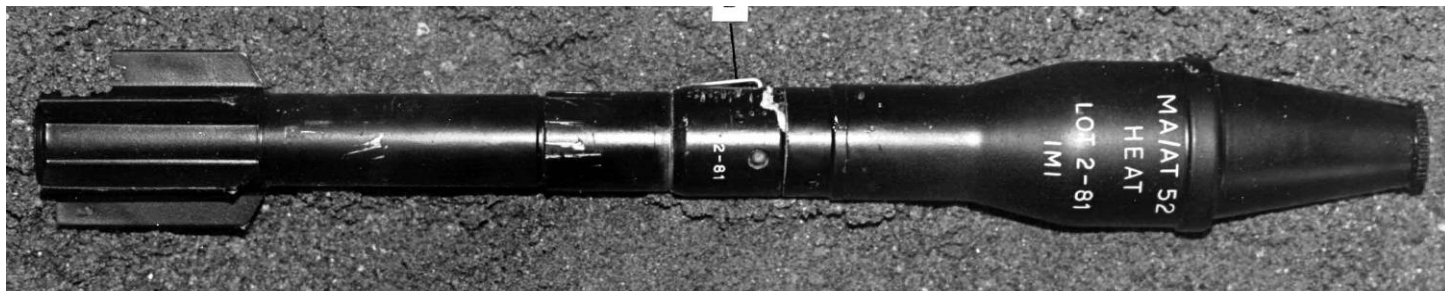
plastic coated



Typical 40 mm rifle grenade, complete round and grenade



typical HEAT rifle grenade, old type



Typical HEAT rifle grenade, old type, different shape

### Common sizes:

Hand sized or slightly larger

### Common fillers:

High explosives (HE)  
High Explosives Anti Tank (HEAT)  
Smoke (SMK)

### Common Fuzes:

Actuation on impact

Actuation after time delay

Note: Grenades may be manufactured from metal, plastic, wood etc.

**DO NOT TOUCH!  
REPORT!!!**

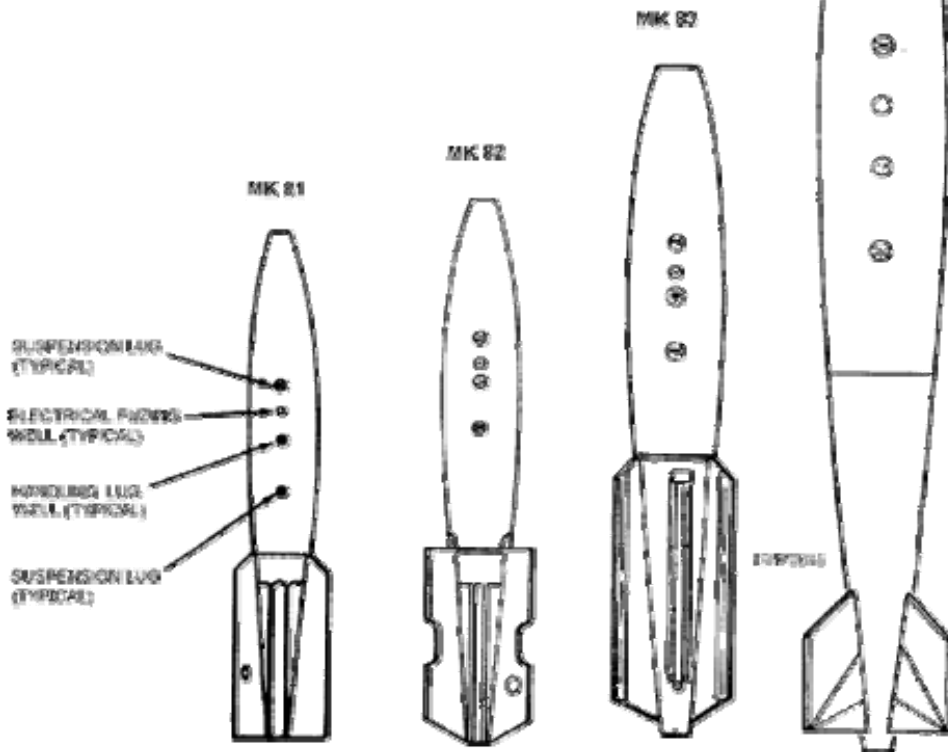


# United Nations Mine Action Service (UNMAS)

## BOMBS

### PHYSICAL CHARACTERISTICS

	MK 81	MK 82	MK 83	MK 84	MK 84
Weight:					
Conical:	360 lb.	521 lb.	900 lb.	1090 lb.	
Retard:	300 lb.	500 lb.	1100 lb.	700 lb.	
Dimensions:					
Length:	75 in.	90 in.	185 in.	154 in.	
Diameter:	9 in.	11 in.	14 in.	18 in.	
Suspension Points:	14 in.	14 in.	14 in.	38 in.	



### Common calibres:

- 250 lbs
- 500 lbs
- 1000 lbs
- 2000 lbs
- 360 kg
- 500 kg

### Common fillers:

- High explosives (HE)
- Illumination (ILL)
- Leaflets

### Common Fuzes:

- Actuation on impact
- Actuation after time delay
- Electronic impulse

**DO NOT TOUCH!  
DO NOT APPROACH!  
REPORT!!!**



Typical unexploded HE bomb, after drop



Flare – Contains Pyrotechnic filling which burns with extreme heat.

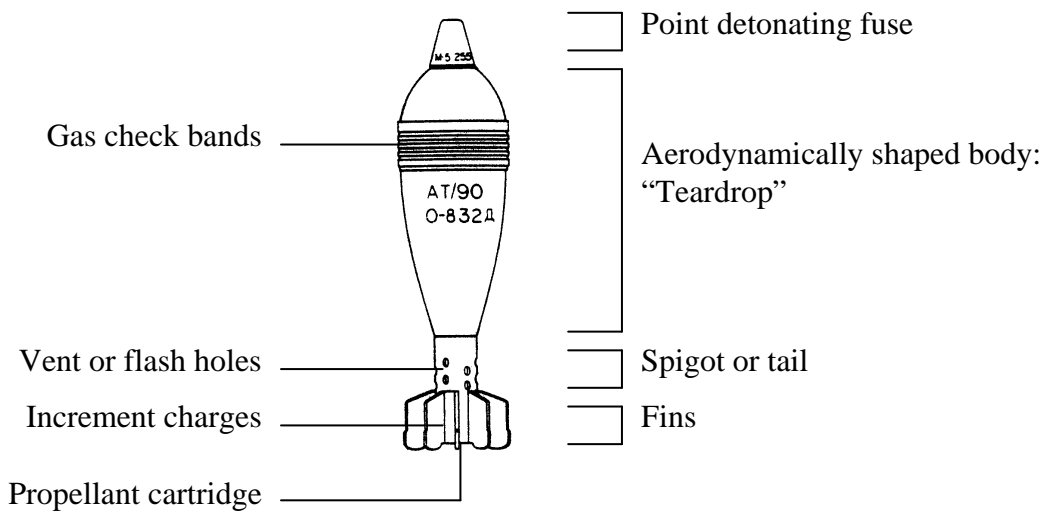


Typical bomb fuze, Contains explosives!



# United Nations Mine Action Service (UNMAS)

## MORTARS



### Typical appearance of Mortar rounds



60 mm High Explosives



81 mm Illumination



120 mm Smoke HC

#### Common calibres:

50 mm  
 52 mm  
 60 mm  
 81 mm  
 82 mm  
 120 mm

#### Common fillers:

High explosives (HE)  
 Illumination (ILL)  
 Smoke (SMK), either  
 HC or WP

#### Common Fuzes:

Actuation on impact  
 Actuation after time  
 delay

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# United Nation Mine Action Service (UNMAS)

## PROJECTILES



155 mm HE



155 mm SMK HC, note smoke canisters

### Common calibres:

- 20 mm
- 30 mm
- 105 mm
- 120 mm
- 155 mm

### Common fillers:

- High Explosives (HE)
- High Explosives Anti Tank (HEAT)
- Anti Personnel (APERS)
- Improved Conventional Munition (ICM) (submunitions)
- Illumination (ILL)
- Smoke (SMK), either HC or WP

### Common Fuzes:

- Actuation on impact
- Actuation after time delay

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155 mm ILL, note illumination charge cont.



120 mm HEAT, fin stabilised



20 mm armour-piercing high explosive



## United Nations Mine Action Service (UNMAS)

### ROCKETS/MISSILES



Typical missile, unfired



warhead of missile, not exploded, still contains explosives



Typical shoulder-fired rocket in launcher, moving might actuate the trigger mechanism



Typical shoulder-fired rocket, moving might actuate extremely sensitive fuze



Typical ground-to-ground rocket system, contains HE-warhead and explosive propellant

#### **Common calibres:**

Various sizes from shoulder-fired models up to models of several meters length

#### **Common fillers:**

High explosives (HE)

High Explosives Anti Tank (HEAT)

#### **Common Fuzes:**

Actuation on impact

Actuation after time delay

Electronic triggering

**NOTE: Rockets/Missiles may contain both propellant and high explosives, both being a health-risk!**

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REPORT!!!**



**United Nation Mine Action Service**

**CONTACT LIST**

**INFORMATION SOURCES :**

- **UNMAS Representative Gaza:**
- **Mark Frankish - 0549075781**
  
- **Local Sources Gaza (Reporting)**
  
- **Police - 106**
  
- **UNDSS Radio Room - 08-2822622**
- Gaza - 08-2887260**
- Open 24/7 - 08-2863202**