



GRENADA



GRENADE 40mm HEAP



Technical Specification:

- Mass of Round :240gm
- Length, Max: 104mm
- Mean Muzzle Velocity: 76 ± 3 m/s
- Effective Mean Range: 375m
- Functioning Temperature: -20°C to $+45^{\circ}\text{C}$
- Fuze: PIBD (Point Initiating Base Detonation)
- Fuze arming distance: 8m to 28m
- Accuracy at 75m: Within $0.95\text{m} \times 0.95\text{m}$
- Lethality radius: 5m
- Shelf-life: Min 10 Years

Application:

- Used against personnel and soft targets.
- Fired from 40mm MGL/UBGL Weapon

GRENADE 40mm HEDP

Technical Specification:

- Mass of Round: 240gm
- Length, Max: 104mm
- Mean Muzzle Velocity: 76 ± 3 m/s
- Effective Mean Range: 375m
- Functioning Temperature: -20°C to $+45^{\circ}\text{C}$
- Fuze arming distance: 8m to 28m
- Accuracy at 75m: Within $0.95\text{m} \times 0.95\text{m}$
- Penetration : 50mm Armour /65 mm MS Plate
- Lethality radius: 5m
- Shelf-life: Min 10 Years



Application:

- Used for Anti personal, Anti Armour (Penetration) & anti-fortification capabilities.
- Fired from 40mm MGL/UBGL Weapon



GRENADE 40mm RED PHOSPHOROUS



Technical Specification:

- Mass of Round :240gm
- Length, Max: 104mm
- Mean Muzzle Velocity: 76 ± 3 m/s
- Effective Mean Range: 375m
- Functioning Temperature: -20°C to $+45^{\circ}\text{C}$
- Fuze: PIBD (Point Initiating Base Detonation)
- Fuze arming distance: 8m to 28m
- Accuracy at 75m: Within $0.95\text{m} \times 0.95\text{m}$
- Lethality radius: 1.5m
- Shelf-life: Min 10 Years

Application:

Used for spreading smoke screen particles over a wide area and igniting the readily combustible material. It is extremely effective for the cleaning of trenches, bunkers & building. Fired from 40mm MGL/UBGL Weapon

GRENADE 40mm PRACTICE PRF

Technical Specification:

- Mass of Round: 240gm
- Length, Max: 104mm
- Main Charge: Inert
- Mean Muzzle Velocity: 76 ± 3 m/s
- Effective Mean Range: 375m
- Functioning Temperature: -20°C to $+45^{\circ}\text{C}$
- Fuze: Plug representing fuze
- Accuracy at 75m: Within $0.95\text{m} \times 0.95\text{m}$
- Shelf-life: Min 10 Years



Application:

- Projectile hits the target without any explosion.
- The version is used for practice purpose.
- Fired from 40mm MGL/UBGL Weapon



MULTI MODE HANDE GRENADE



Technical Specification:

TBRL has designed and developed a Multimode Hand Grenade against GSQR Requirements to replace the existing M36 Grenade presently use by our services. There was late ejection issue which was resolved by OFK. The present design & assembly process have been improvised by OFK to overcome the Safety issues recorded in different development phases.

Key Features

Grenade Body :

- | | |
|------------------------------------|--------------------------------|
| ● length | 83 mm (Max) |
| ● Maximum diameter | 63mm |
| ● Diameter of the blast cup | 46mm |
| ● Mass of RDX/TNT (60:40) | 92±2 gm |
| ● Mass of the fragmenting sleeve | 230 gm (approx.) |
| ● Length of the fragmenting sleeve | 77 ± 0.5mm |
| ● Total number of fragments | 4000 (approx.) |
| ● Material (Fragmenting sleeve) | MS fragments in plastic matrix |
| ● Mass of each fragment | 45±5 mg |
| ● Total mass of fragments | 170 gm (approx.) |



GRENAD ACTIVE TRAINING SYSTEM (36ATS)



FOR HAND GRENADE 36M

The 36 ATS has been specially designed for Training / Practice purpose. It is ideal for handling & lobbing by fresh recruits as well as veterans without exposure to dangers of high explosive practicing grenades. The 36 ATS Grenades is made out of real grenade body and striker mechanisms thus for all practical purpose.

Technical Specification:

- Made of Original Components of Grenade 36M.
- Sound and delay matched with 36M.
- Hand / Rifle application.
- Field Serviceable
- Repeated use.
- Safe for Training / Practice
- Only Detonator is consumable
- Non-Lethal / No fragments even if drops nearby.

GRENAD 36 HE

- Hand thrown & Non-lethal ammunition
- Reusable (up to 6 throw)

Technical Parameters

- Grenade body : Cast iron
- Delay time of ATS Grenade: 4.00 to 5.5 sec
- Mass of Round : 680 g
- Main Charge : HES
- Detonator : 4 Sec delay (Polycoated)
- Dentity: with colour yellow

Prospective Users :

- Military Training Academy / Institute of Armed Forces
- MHA / Police Units.
- Para Military Forces.

HAND GRENADE 36 M (ATS) - TRAINING PURPOSE

- An anti-personnel ammunition of fragmentation type, Hand thrown.
- Ranges from 23 to 27 m.
- Effective radius of 27.5m.

Technical Parameters

Grenade body	Cast iron, segmented externally for better Fragmentation
Explosive	TNT
Detonator	4 second delay (hand grenade)
Mass of grenade	Hand - 680 g



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