



NAVAL AMMUNITION



MUNITIONS INDIA LIMITED
(A Government of India Enterprise)



CARTG 30MM AK-630 HEI/HET/PRACTICE

The Indigenous 30mm ammunition for AK 230 gun has the following three variants:

- a) Cartridge 30 mm HE Rounds with HE Shell and Nose fuze
 DASD (Direct Action and Self - destruction)
- b) Cartridge 30 mm PRACTICE Round with inert shell and PRF
 (Plug Representing Fuze)
- c) Cartridge 30 mm TRACER Round with tracer shell and ballistic cap

SPECIFICATIONS

Gun Mount	AK 230
Caliber	30mm
Muzzle Velocity	890 ^{±15}
Rate of Fire	4000 to 5000 rounds / minute
Weight of Cartridge	830 gms
Length	289.45 to 292.84mm
Range	4 Km Slant, 5 Km by reverse post
Target	Air borne target (It can also be used against surface targets)



CARTRIDGE OF 40MM L/60 NAVAL

- ◆ It is anti aircraft ammunition mounted on Bofors or similar automatic guns.

SPECIFICATIONS

Total length of ammunition	447 mm
Total mass of ammunition	2.1 kg
Mass of Projectile	0.9 kg
Propellant (ACM)	0.4 kg
Muzzle velocity	869 + 10 m/sec
Rate of fire	120 rounds per minute
Maximum range @45"	9830 meters
Armor class 'B' Penetration from 5500 meters	11 mm



CARTG 76.2MM NAVAL HE AND PRACTICE

This Ammunition is designed to fight against enemy Aircraft / ships from Warship. It is made in two versions. Cartg. 76.2 mm HE Fuzed with variable time fuze for combat purpose and Cartg. 76.2 mm Practice used for practice purpose.

SPECIFICATIONS

Total length of Ammunition	815.5 mm
Total Mass of Ammunition	15.30 kgs (Approx.)
Weight of Projectile (Filled) and with PRF	5.9 kgs (Approx.) \pm 0.045 kg
Propellant	Triple Base Propellant NA2P/M 109
Muzzle Velocity	994.5 m/s
Rate of firing	90 Rds/min
Maximum Range	6900 m (approx.)



CARTG 76.2MM NAVAL HEPF

SPECIFICATIONS

Total Length of Ammunition	815.5 mm
Total Mass of Ammunition	13.10 kgs to 13.40 kgs (approx)
Weight of Projectile with fuze	5.9 kgs \pm 0.045 kgs
Type of fuze	Radio proximity or Direct Action
Muzzle velocity	983 \pm 10 m/s
Pressure	4250 \pm 80 Kg/cm ²
Prop. Of charge mass	2.895 kgs
Volume of Cartg case	3800 C.C.
Wt of Cartg case	3.580 kgs
Rate of Firing	
- AK 176	90 rds / min
- AK 726	180 rds / min
Max Range	15.5 km



CARTG. 76/62 SRGM

SPECIFICATIONS

Mass of Round	12.5 Kg (nominal)
Length of Round	907mm
Muzzle velocity	905+/- 5 M/sec, Sd Not More Than 3 M/sec
Pressure	3792 Kg/sq Cm [305 Mpa (mean)]
Max. Pressure At 60°C	3975 Kg/sq Cm
Range	16000m
Dispersion Over 500m At +21°C	< 1m Vertically & 1m Horizontally
Rate of Fire	120 RPM

Components

Cartg Case	70/30 Brass
Propellant	Single Base Smokeless



KAVACH/ CHAFF ROCKETS

- ◆ Used as soft kill missile counter measure or defence system
- ◆ Designed for dispensing Chaff payload at designated ranges

SPECIFICATIONS

Parametere	KAVACH ROCKET		
	1	2	3
	SRCR	MRCR	LRCR
Caliber	98.00mm	105.00mm	105.00mm
Muzzle velocity	80m/s	450m/s	450m/s
Range	1500m	2000m	10000m



SRCR

MRCR

LRCR

RGB 60 ROCKET

- ◆ Rocket is used against under water target
- ◆ Fuze YDB-60 is used in Anti-Submarine Rocket RGB-60.
- ◆ Time Mode:- by timer mechanism at preset depth
- ◆ Direct Action mode : On striking the target
- ◆ Sympathetic mode: activated by shock waves due to explosion of adjacent anti-submarine Rocket.

SPECIFICATIONS

Diameter	0.212 m
Length	1830 mm
Explosive	Torpex 4 -A
Range	350 m to 5500 m
Fuze	YDB 60
Motor	2 stage
Rate of sinking	11.5 m/s
Launcher	RBU - 6000 (Russian System) & Indian indigenous Rocket Launcher
Length of Fuze	361mm
Max. Diameter of Fuze	135mm
Weight of Fuze	6.5 kg



MINE MAINDEKA

SPECIFICATIONS

Diameter	310 mm,
Height	135 mm
Weight	6.00 kgs
Explosive weight	810 gms
Type of explosive	RDX/TNT 60:40 TYPE B
Arming Delay	
- Mechanical	Max. 25 Minutes
- Electronic	Max. 9999 min. in steps of one minute.
Max. Operating Depth	50 meters.
Adhesiveability	Upto 8 knots
Shelf life	15 years
Buoyance in water	100 to 350 gms (Negative)



Munitions India Limited [MIL] is Defence Public Sector Enterprise [CPSE] under the Ministry of Defence, Government of India.

MIL, India's biggest manufacturer and market leader is engaged in Production, Testing, Research & Development and Marketing of comprehensive range of ammunition & explosives for Army, Navy, Air Force & Para-Military Forces.

With Corporate Office at Pune (India), MIL in its 12 state-of-the-art manufacturing units located across the country employs skilled workforce of around 23,000. These factories have proven integrated base for production of Small, Medium & High Calibre Ammunition, Mortars, Rockets, Hand Grenades etc. with in-house manufacturing of Initiatory Compositions, Propellants and High Explosives for over 150 years. Our primary objective is to provide competitive edge to the Armed Forces by equipping them with modern and quality battlefield ammunition.

Our foreign customers include countries located in North America, South America, Europe, Africa and Asia. The patronage we receive from our customers both in India and abroad reflects their faith in quality of our products and services. We are the Force behind the Armed Forces.

MIL with its 12 manufacturing units provide:

- A broad and versatile production base with multi-technology capabilities
- State-of-the-art manufacturing facilities
- Large pool of skilled and professionally qualified manpower and managerial personnel
- Strict adherence to quality standards (all units are ISO-9001 certified)
- Original as well as adaptive Research & Development
- A strong base for industrial training & testing



MUNITIONS INDIA LIMITED

(A Government of India Enterprise)

Corporate Office : 2nd Floor Nyati Unitree, Nagar Road, Yerwada, Pune - 411006.

✉ mil@munitionsindia.in exports@munitionsindia.in

🌐 Website : <https://munitionsindia.in>

🐦 @indiamunitions 📺 munitions india limited

📞 +91 - 20 - 67080400 / 67080414 / 67080440



Please Scan Code or
visit website