

Gun & Cannon Systems

S&T Dynamics Military Products



K6 12.7 mm(Caliber .50) Heavy Machine Gun



Feature >

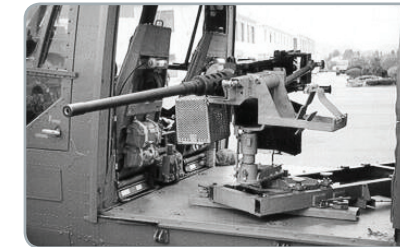
- The 12.7mm(0.5 inch) heavy machine gun, K6 is an automatic, recoil-operated, link-belt feed, air cooled quick change barrel(QCB) machine gun which can be fired for right or left hand feed by changing the feed direction of receive group, bolt group and cover group.
- The K6 was sharply enhanced by the improvement of quick barrel change type from thread-turned changing of M2HB machine gun. The K6 enables user to be safety, eliminate timing adjustment and reduce vulnerable exposure time.
- The K6 is a crew-served weapon that is mounted and operated in various ways from all kinds of fighting vehicles(MBT, APC, Self-propelled Howitzer, AAV, etc.), command/ transportation vehicles, warships, helicopter and ground.

Specification >

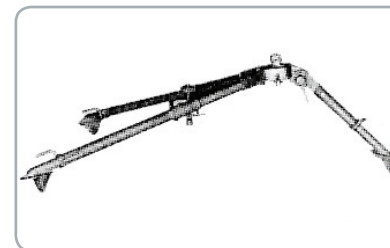
Item	K6
Caliber	12,7 mm
Gun weight	38 kg
Barrel weight	12,6 kg
Gun length	1,654 mm
Barrel length	1,143 mm
Number of groove	8
Rate of fire	450~600 rpm
Muzzle velocity	930 m/s

Item	K6
Maximum firing range	6,765 m
Effective firing range	1,830 m
Feeding	Link-belt
Operation	Short recoil operating
Cooling	Air
Ammunition	Ball, AP, API, API-T, TR, AP-T
Application	Fighting Vehicles, Warship, Helicopter, Ground

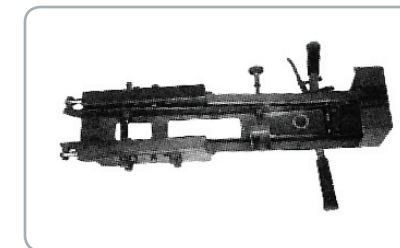
Application >



Accessory >

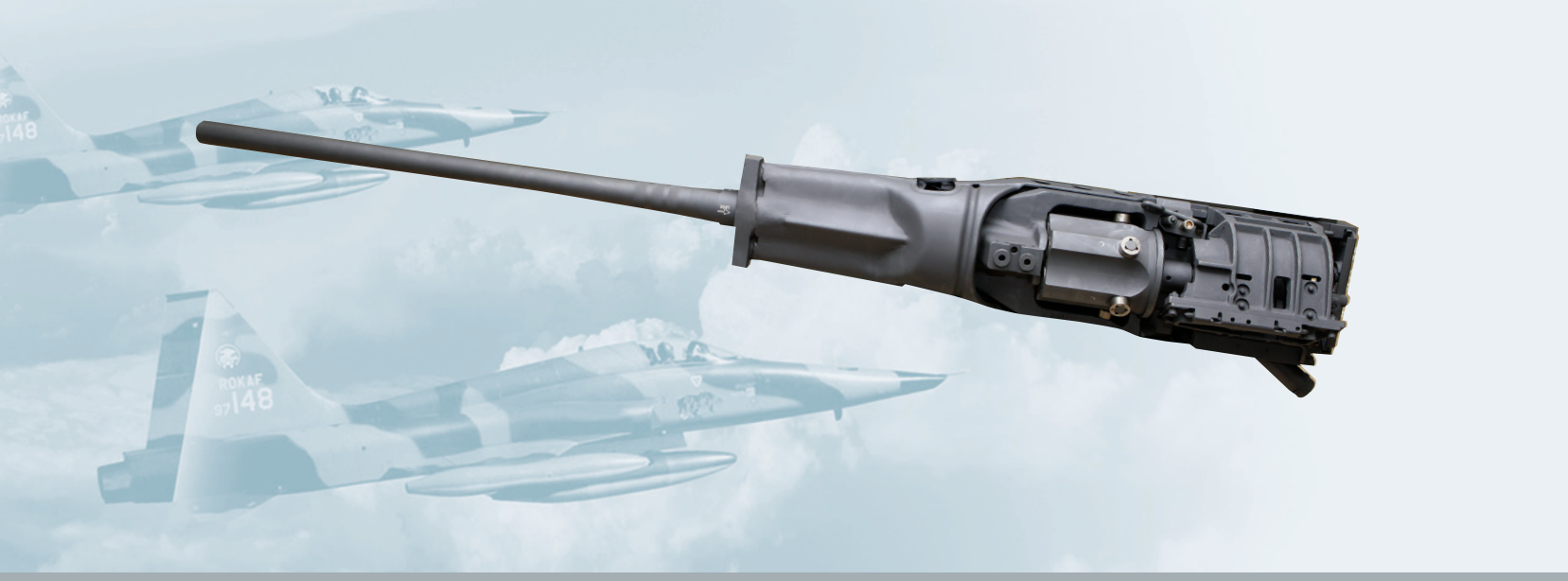


Tripod Mount



Soft Mount

KM39A3 20 mm Automatic Gun



Feature >

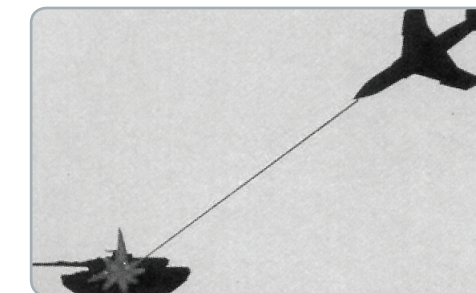
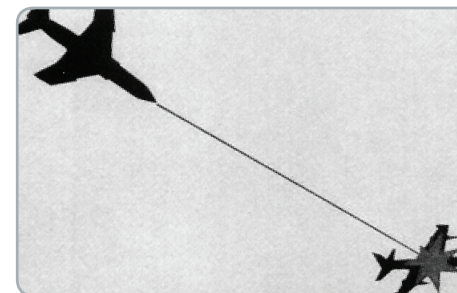
- The 20mm automatic gun, KM39A3 is intended specifically for aircraft use and more particularly for installation in supersonic aircraft. The KM39A3 gun is an automatic weapon of great effectiveness with rotating revolver, gas operated, electrically fired, the ammunition having electric primers and incorporating belt feed. It also, provides an automatic cartridge-operated re-cocking mechanism, which can be used in flight such that it can fire a range of ammunition, which meets the latest requirements for air-warfare : Air-to-Air engagements and Air-to-Ground attack.

Specification >

Item	KM39A3
Caliber	20 mm
Type	Revolver
Operating	Gas operating
Feeding	Link-belt
Current applied through firing pin	D.C or A.C
Gun length	1,839 mm
Gun weight	82 kg
Rate of fire	1,500 rpm

Item	KM39A3
Muzzle velocity	990 m/s
Number of groove	9
Barrel length	1,361 mm
Barrel weight	13 kg
Ammunition	HEIT-SD, HEI, TP&STP, MPT-SD
Application	F5 Fighter Air to Air & Ground Attack

Application >



KM168 20 mm Gatling Gun



Feature >

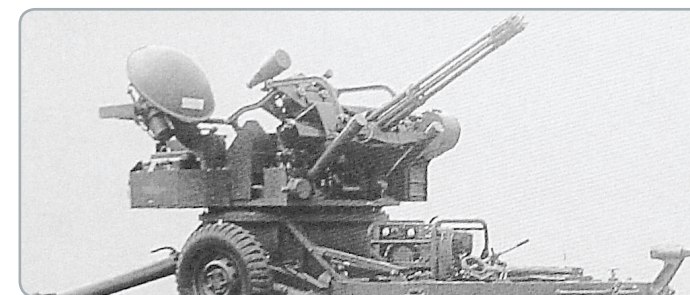
- The 20mm Gatling Gun(Vulcan), KM168 is an automatic weapon of great effectiveness with rotary(gatling) six barrels electrically powered, a high rate of fire, selectable burst limits, variable dispersion patterns and a linked ammunition feed system. The KM168 is to mainly used for anti-air defense to be installed on the ground, vehicle, aircraft and ship.
- The muzzle clamps are available device that provide different dispersion pattern for air defense or ground modes. At the higher rate, a wide angle or rectangular dispersion pattern is used to engage low-flying aircraft with a high hit probability. The concentrated dispersion pattern at the lower rate provides effective fire against ground targets such as troops and light armored vehicles.

Specification >

Item	KM168
Caliber	20 mm
Type	Gatling
Gun weight	118 kg
Maximum firing range	4,500 m
Effective firing range	2,200 m
Rate of fire	2,700~3,000 rpm
No.of Barrel	6 Barrels, removable
Barrel weight	8 kg

Item	KM168
Barrel length	1,523 mm
Number of groove	9
Muzzle velocity	1,030 m/s
Feeding	Link-belt
Operating	External Driven Operating
Ammunition	HEIT-SD, HEI, TP-T, TP&STP, MPT-SD
Application	Carrier, AA Gun, Warship, Fighter

Application >



KKCB 30 mm Automatic Gun



Feature >

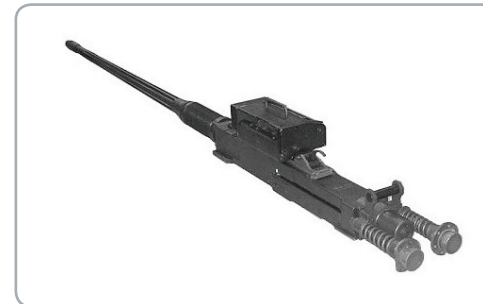
- The 30mm automatic gun, KKCB is to be mainly used for anti-air defense to be installed as twin version on self-propelled anti-aircraft gun system(K30, Biho) and ship. The KKCB gun is an automatic weapon with a high rate of fire, gas operated and link-belt feed. The KKCB gun has an effective anti-aircraft range of up to approximately 3,000m distance with high fire capacity & ammunition effectiveness, low weight, reliable control using metadyne control units and being linked up to radar director control as well.

Specification >

Item	KKCB
Caliber	30 mm
Effective firing range	3,000 m
Rate of fire(Single)	600 rpm
Muzzle velocity	1,080 m/s
Recoil force	1,400 kgf
Recoil length	36~50 mm

Item	KKCB
Feeding	Link-belt
Operating	Gas-operating
Ammunition	TP-T, HEI, HEI-T
Application	AA Gun, Self Propelled Anti-Aircraft Gun, Combat Vehicle, Warship

Application >



40L/70K 40 mm Automatic Gun(Twin/Single)



Feature >

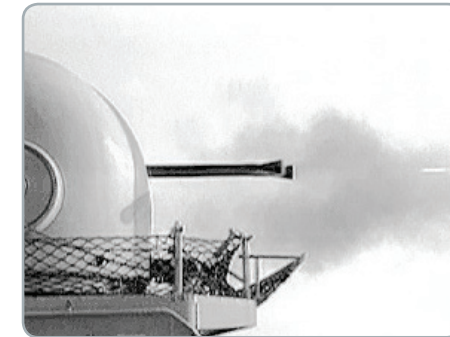
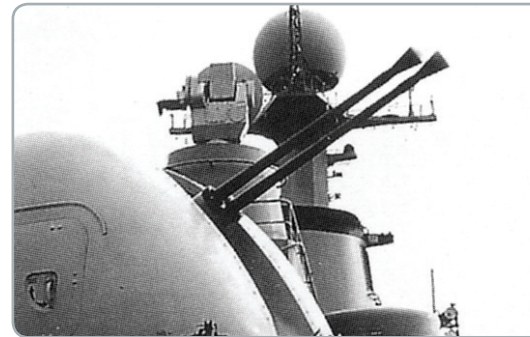
- The 40mm automatic gun, 40L/70K is to be used for anti-missile and ship-to-ship engagement to be installed on ships as twin naval gun system(Nobong). The 40mm automatic gun can be also installed by single version. Its outstanding operational characteristics are : high rate of fire, highest for effective proximity fuze ammunition, large availability of ready-use ammunition for automatic firing, maximum reliability, advanced design resulting in complete automation, complete remote control and high servo-system performance, maximum accuracy during firing and low reaction time, compactness capability of operation in NBC conditions.

Specification >

Item	40L/70K
Caliber	40 mm
Effective firing range	4,000 m
Rate of fire(single)	300 rpm
Muzzle velocity	1,005 m/s

Item	40L/70K
Feeding	Linkless
Operating	Recoil-operating
Ammunition	HCHE, HET, APT, TP, TP-T, PEHE
Application	Any type of warship, Field mounting etc.

Application >



K40

40 mm Automatic Gun



Feature >

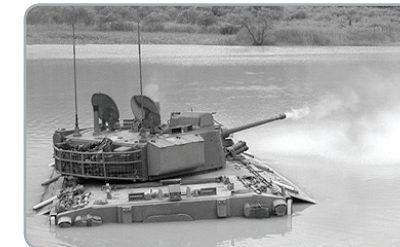
- The 40mm Automatic Gun, K40 was designed to meet the specific operational requirements of Korea army for IFV(Infantry Fighting Vehicle) with improved firepower and operation capabilities.
- The K40 is to be used for main armament of KIFV(Korea Infantry Fighting Vehicle, K21) with controlled by Fire Control System and has a capabilities of anti-air and anti-tank engagement.
- The Gun is installed on two-man turret with the commander seated on the left and the gunner on the right.
- The Gun has enhanced operational capabilities as remote control operation by electric-hydraulic(manual on emergency), reloading by down-docking of magazine with pumping hoist and reduced remaining ammunition at the firing stop.
- The magazine holds a total of 24 round and different round types as PFHE, APFSDS and MMFA(Multi-Mode Function Ammunition) in each compartments. It can be selected a proper ammunition types by quick magazine shift depend on mission targets.
- The MMFA(Multi-Mode Function Ammunition) is setting to a proper function mode at the firing by contactor in feeder and fuze programmer.
- Also, the Gun can be accepted 7.62mm machine gun with coaxial as secondary weapon.

Specification >

Item	K40
Caliber	40 mm
Weight	720 kg
Size(W×H×L)	700×1,343×3,893 mm
Effective firing range	6,000 m(ground), 4,000 m (air)
Maximum firing range	12,000 (Approx.)
Rate of fire	300 rds/min
Muzzle velocity	1,005 m/s(HE), 1,400 m/s(AP)

Item	K40
Feeding	Bottom-up, Multiple, Linkless
Operating	Recoil-Operating
Firing Mode	Safety, Single, Burst
Capacity of ammo.	24 rounds(3 comp. by 8 rounds)
Reloading	Magazine down-docking
Ammunition	PFHE, APFSDS, MMFA, TP
Application	Fighting Vehicles

Application >



RCWS Remote Controlled Weapon Station



Feature >

● Weapon configuration options :



<RCWS for 12.7mm HMG, K6>



<RCWS for 40mm AGL, K4>



<RCWS for 25mm AHMG>



<RCWS for K4/K6>

- The RCWS is available in either single or dual weapon configuration.
- **Fire on the move and for moving target** : Stabilization & Auto target tracking
- Laser range finder and ballistic computer for enhanced hit probability.
- Weapon and optics separately drive in elevation and traverse.
- Operation in day/night and all weather.
- **Manual and emergency backup operation** : Cocking/Aiming/Firing
- BIT(Built In Test) Function
- Designed for firing recoil force reduction (80% down).

Specification >

Item	RCWS
Traverse Range	N×360°
Elevation Range	- 20° ~ + 60°
Driving max Speed	60° /sec
Aim Accuracy	< 0.3 mrad
Day Camera	5 km (Detection)

Item	RCWS
Night Camera	5km (Detection)
LRF	5km
Height	< 600mm
Weight	< 180kg(without Weapon/Ammo)
Ammo. Capacity	300rds

※ This specification is dependent on the weapon options.

Application >

● Combat Vehicles



● Tactical Vehicles



● Warships



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