



TACTICAL DEFENCE SOLUTIONS

CATALOGUE



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Brief Introduction

Based in Gauteng, Tactical Defence Solutions is currently under the management of Mr Mark Spigolon, a former professional in the use of all East Block and NATO weaponry and veteran of security operations regarding tactical combat instruction as well as Special Weapons and Tactics (SWAT) training assisted by Mr Menno Uys, an ex-South African Special Forces officer, a veteran of the Angolan Bush war and who has worked in various conflict areas providing military training and security operations in countries including Eritrea, Angola, Liberia, Iraq, Afghanistan and Nigeria since 1993. Utilizing the team's international experience as well as local knowledge,

Tactical Defence Solutions operations are supported by state-of-the-art technology and are geared towards providing world-class services and expertise in the areas of military training, police training, electronic CCTV coverage, access control systems, vehicles tracking, fleet management, maritime security, risk analysis, security consultancy and surveys, procurement and supply of military logistics and equipment. At Tactical Defence Solutions it is our goal to deliver superb security solutions and services, while at the same time promoting the positive development of local communities and entrepreneurs, particularly in those areas in which we operate and /or draw our personnel from.





Distributors of all types of Firearms and Accessories

Tactical Defence Solutions (Formally Known As Panzer Arms And Ammunition) was established in 2009 as an accredited provider of military training as well as military arms and ammunition ranging from small arms and aircraft to armour and artillery. Since its inception, Tactical Defence Solutions has acquired a team of highly experienced, skilled international security professionals, with more individuals to be appointed in the coming year, as the company's operations continue to grow.

Currently, our operations are focused on emerging markets found primarily in Africa, to branch out to other parts of the world in the future. Drawing from our unique blend of expertise, with more than 100 years of collective experience among our team members in their respective fields, our unique concept and approach towards integrated security solutions was developed.



PISTOL SERIES



NZ85B 9mm Pistol



OVERVIEW

The NZ85B is a semi-automatic pistol chambered for the common 9x19mm Parabellum cartridge. It's considered a reliable and user-friendly option.

PERFORMANCE AND FEATURES

- **Reliable & Accurate:** Delivers consistent shots for self-defense.
- **Moderate Recoil:** Easier to control than larger calibers.
- **Double-Action:** Allows single or double-action shooting (depending on model).
- **Comfortable Grip:** Fits well in many hands (depending on model).
- **15 round Magazine:** Holds enough ammo for multiple firing opportunities.

MAIN SPECIFICATIONS

- **Caliber:** 9mmP
- **Cartridge:** 9mm Parabellum pistol cartridge
- **Weight (with an empty magazine):** 1.1kg
- **Overall length:** 208mm
- **Firing mode:** single/double action
- **Magazine capacity:** 15 rounds
- **Muzzle velocity:** 350m/s



Pistol Series



CF98 9mm Pistol

OVERVIEW

The CF98 is a reliable, double-action, 9mm pistol known for its manageable recoil. This makes it suitable for self-defense or recreational shooting.

PERFORMANCE AND FEATURES

- Easy to Maintain: Simple design allows for straightforward cleaning and upkeep.
- Comfortable Grip: Molded plastic construction provides a secure and ergonomic hold.
- Ambidextrous Magazine Release: Accessible from either side for quick magazine changes by right or left-handed users.
- High Magazine Capacity: Holds a significant number of rounds, potentially reducing the need for frequent reloading.

MAIN SPECIFICATIONS

- Caliber: 9mm
- Cartridge: 9mm Parabellum pistol cartridge
- Overall length: ≤ 7.48 in. (190mm)
- Weight (with an empty magazine): ≤ 1.68 lbs (0.76kg)
- Magazine capacity: 15 rounds
- Muzzle velocity: ≥ 340 m/s
- Effective range: 50m
- Feeding: double-column, double-feed magazine
- Service life: 8,000 rounds



CF98-A 9mm Pistol

OVERVIEW

The CF98-A is a Chinese-made, semi-automatic pistol chambered for the common 9x19mm Parabellum cartridge. It features a double/single-action trigger system, allowing for a heavy initial trigger pull for the first shot and a lighter pull for subsequent shots.

PERFORMANCE AND FEATURES

- **Reliable & Accurate:** Delivers consistent shots.
- **Lightweight & Easy to Handle:** Comfortable to carry and maneuver.
- **Modular Design:** Allows for easier disassembly for cleaning or customization.
- **Ambi-Controls:** Works for both right & left-handed users.

MAIN SPECIFICATIONS

- **Caliber:** 9mm
- **Overall length:** 190mm
- **Weight (with an empty magazine):** 0.78kg
- **Effective range:** 50m
- **Firing method:** single shot
- **Feeding:** double-column, single-feed magazine
- **Magazine capacity:** 15 rounds
- **Service life:** 8,000 rounds



Pistol Series



NP42 9mm Pistol

OVERVIEW

The NP42 is a semi-automatic pistol chambered for the common 9x19mm Parabellum cartridge. Its design emphasizes functionality for military and law enforcement applications.

PERFORMANCE AND FEATURES

- Easy to Maintain: Simple design for effortless cleaning.
- Comfortable Grip: Secure hold for better control.
- Ambidextrous Magazine Release.
- Laser Sight (Optional): Mountable for enhanced targeting (if needed).

MAIN SPECIFICATIONS

- Caliber: 9mm
- Cartridge: 9mm Parabellum pistol cartridge
- Overall length: Standard: Approx. 7.48in. (190 mm)
Long: Approx. 7.87in. (200 mm)
- Weight (with an empty magazine): \leq 1.85lbs (0.84kg)
- Magazine capacity: 15/10 rounds
- Muzzle velocity: Over 340m/s
- Effective range: 50m
- Feeding: Double-column, double-feed magazine
- Service life: 8,000 rounds



CS/LP5 9mm Self-defence pistol



OVERVIEW

The CS/LP5 is a compact, semi-automatic pistol chambered for the 9x19mm Parabellum cartridge. Its design prioritizes reliability and ease of use, making it suitable for self-defense situations.

PERFORMANCE AND FEATURES

- **Reliable & Accurate:** Delivers consistent shots for self-defense.
- **Compact & Concealable:** Easy to carry hidden due to its size.
- **Ambidextrous Controls:** Works for both right & left-handed users.

MAIN SPECIFICATIONS

- **Caliber:** 9mm
- **Muzzle Velocity:** ≥ 320 m/s
- **Effective range:** 50m
- **Overall length:** ≤ 6.5 in. (165mm)
- **Weight (with an empty magazine):** ≤ 1.54 lbs (0.7kg)
- **Magazine capacity:** 7 rounds
- **Service life:** 8,000 rounds



Pistol Series



CS/LP8 9mm Revolver

OVERVIEW

The CS/LP8 is a reliable firearm chambered for the common .38 Special +P cartridge. Its design emphasizes control and stopping power for personal defense situations at close to medium range.

PERFORMANCE & FEATURES

- Simple and Compact Design: Easy to handle and maneuver, promoting comfortable carry.
- Low Failure Rate: Known for reliable operation, important in self-defense scenarios.
- Unaffected by Ineffective Rounds: A malfunctioning round won't hinder the firing of subsequent rounds in the cylinder.

MAIN SPECIFICATIONS

- Caliber: .38 Special +P
- Overall length: $\leq 230\text{mm}$
- Weight: $\leq 0.8\text{kg}$
- Magazine capacity: 6 rounds
- Muzzle velocity: $\geq 200\text{m/s}$
- Effective range: 50m
- Firing accuracy: at 25m, $R_{50} \leq 5.5\text{cm}$



M1911A1 .45 Pistol



OVERVIEW

The M1911A1 is a classic pistol known for its reliability and power. Used by military and police worldwide and is effective up to 50 meters.

PERFORMANCE AND FEATURES

- **Reliable & Accurate:** Delivers consistent shots. Immense firepower and reliable.
- **Powerful Stopping Power:** Effective for personal defense
- **Lightweight (for its caliber):** Easier to carry compared to some larger pistols.
- **Ergonomically efficient.**

MAIN SPECIFICATIONS

- **Caliber:** 0.45in. (11.43mm)
- **Cartridge:** .45 ACP pistol cartridge
- **Overall length:** 218mm
- **Weight (with an empty magazine):** 1.13kg
- **Magazine capacity:** 7/8 rounds
- **Muzzle velocity:** 270m/s



SNIPER RIFLE SERIES



CS/LR13 .50 BMG Bolt-Action Anti-Materiel Sniper Rifle

OVERVIEW

The CS/LR13 is a .50 BMG (12.7x99mm) bolt-action sniper rifle designed for long-range military applications. This large-caliber rifle prioritizes extreme stopping power and precision for engaging critical targets and material at extended distances.

PERFORMANCE AND FEATURES

- Exceptional Accuracy: Delivers outstanding precision at extreme distances (up to 1,500 meters).
- Match-Grade Compatible: Operates with specialized military-grade .50 BMG ammunition for optimal performance.
- Lightweight Design (for its caliber): Engineering plastics help reduce weight while maintaining a comfortable feel.
- Quick Disassembly: Separable barrel and breech system facilitates easier transport and field maintenance.

MAIN SPECIFICATIONS

- Caliber: 0.50in.
- Total length: $\leq 1.550\text{m}$
- Length of barrel: 900mm
- Feed mode: 5 round magazine
- Muzzle velocity: $840\pm 15\text{m/s}$
- Total weight: $\leq 13\text{kg}$ (excluding sight)
- Accuracy:
 - At 1,000 meters: $\leq 1.0\text{ MOA}$ (exceptional accuracy)
 - At 1,500 meters: $\leq 1.2\text{ MOA}$ (very good accuracy at extreme range)
- Cartridge: .50 BMG sniper cartridge



Sniper Rifle Series



Type 85 7.62mm Semi-automatic Sniper Rifle

OVERVIEW

The Type 85 is a 7.62mm semi-automatic sniper rifle designed for engaging targets at long distances based on the Soviet Dragunov SVD rifle.

PERFORMANCE AND FEATURES

- Accurate & reliable, easy to operate and maintain.
- Effective stopping power for long-range targets.

MAIN SPECIFICATIONS

- Caliber: 7.62 x 54R
- Cartridge: 7.62mm steel case cartridge type53
- Overall length: 48.03in. (1.220m)
- Weight: 9.7lbs/4.4kg (with an empty magazine and day-light sight)
- Magazine capacity: 10 rounds
- Effective range: 800m
- Rear sight range: 1.200m
- Sight range: 1.300m
- Accuracy (at 100m, with optical sight): $R_{50} \leq 1.38\text{in.}(3.5\text{ cm})$



EM352 7.62mm Sniper Rifle

OVERVIEW

The EM352 is a long-range sniper rifle similar to the Dragunov SVD. It uses common 7.62x51mm NATO ammo for effective long-distance engagements.

PERFORMANCE AND FEATURES

- Accurate, reliable, easy to operate and maintain.
- Uses common NATO ammo.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62x51mm NATO cartridge
- Overall length: 48.03in. (1,220mm)
- Weight: 9.7lbs/4.4kg (with an empty magazine)
- Ammunition feeding: 10 round steel magazine
- Muzzle velocity: 830m/s
- Magazine capacity: 10 rounds
- Effective range: 800m
- Rear sight range: 1.200m
- Firing accuracy (at 100m, with optical sight): $R_{50} \leq 1.38\text{in.}(3.5\text{ cm})$



CS/LR19 7.62mm Semi-automatic Sniper Rifle

OVERVIEW

The CS/LR19 is a 7.62mm semi-automatic sniper rifle designed for engaging targets at various distances. It prioritizes accuracy and night-time operation, making it suitable for a squad marksman role.

PERFORMANCE AND FEATURES

- Accurate: Delivers consistent shot placement at extended ranges (up to 800 meters).
- Ergonomic Design: Comfortable grip design that fits a variety of hand sizes.
- Night Mission Capable: Can be equipped with night vision sights for low-light operation.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Effective range: 800m
- Overall length: 50.39in. (1.280m)
- Weight: 12.35lbs (5.6kg) (with an empty magazine)
- Magazine capacity: 10 rounds
- Cartridge: 7.62×54mm sniping cartridge type CS/BFL7
- Service life: 6.000 rounds
- Close grouping of shots with day-light sight:
 - 100m $D_{100} \leq 1.38\text{in.}(3.5\text{cm})$
 - 600m $D_{100} \leq 10.28\text{in.}(26.1\text{cm})$
 - 800m $D_{100} \leq 16.54\text{in.}(42\text{cm})$
- with night vision sight:
 - 100m $D_{100} \leq 2.05\text{in.}(5.2\text{cm})$
 - 300m $D_{100} \leq 6.85\text{in.}(17.4\text{cm})$



Sniper Rifle Series



CS/LR4A 7.62mm High Precision Sniper Rifle

OVERVIEW

The CS/LR4A is a 7.62mm bolt-action sniper rifle designed for military and law enforcement applications. It prioritizes long-range accuracy, reliability, and versatility for various tactical situations.

PERFORMANCE AND FEATURES

- Delivers exceptional precision for long-range engagements.
- Reliable and easy to use.
- Ergonomic and comfortable.
- Functions effectively in diverse conditions.
- Quickly transitions between daytime and nighttime use with compatible sights.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62×51mm NATO sniping cartridge
- Overall length: ≤45.28in. (1.150m)
- Weight: ≤14.11lbs(6.4kg)
- Ammunition feeding: 5 round magazine
- Service life: ≥6.000 rounds
- Accuracy of firing (3 rounds, 5 group average, by measuring the diameter of the smallest circle that includes all bullet hole centres)

Precision	Distance			
	100m	300m	600m	800m
1MAO	≤2.9cm	≤8.7cm	≤17.4cm	≤23.2cm



CS/LR35 7.62mm High Precision Sniper Rifle

OVERVIEW

The CS/LR35 is a 7.62mm bolt-action sniper rifle designed for military and law enforcement applications. It prioritizes long-range accuracy, reliability, and user-friendliness for various tactical situations.

PERFORMANCE AND FEATURES

- Exceptional precision for long-range targets (up to 1000 meters).
- Built for dependability and easy handling.
- Ergonomic for various users.
- Comfortable grip design caters to diverse users.
- Functions effectively in diverse conditions.
- Quickly adapts between daytime and nighttime use with compatible sights.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62mm sniper cartridge type CS/BFL3A
- Overall length: $\leq 1.200\text{m}$
- Weight: $\leq 6\text{kg}$
- Ammunition feeding: 5 round magazine
- Effective range: 800m
- Service life: $\geq 6,000$ rounds
- The close grouping of shots (3 rounds, by measuring the diameter of the smallest circle that includes all bullet hole centres):
 - with day-light sight, at 100m $\leq 0.5\text{MOA}$
 - 300m $\leq 0.75\text{MOA}$
 - 800m $\leq 1\text{MOA}$
 - with night vision image enhancement assembly, at
 - 100m $D_{100} \leq 3\text{cm}$
 - 300m $D_{100} \leq 10\text{cm}$



Sniper Rifle Series



.338 Lapua Magnum Sniper Rifle

OVERVIEW

This .338 Lapua Magnum sniper rifle is designed for long-range engagements (up to 1,500 meters) by police or military units for anti-terrorism and anti-hijacking operations.

PERFORMANCE AND FEATURES

- Long-Range Accuracy: Delivers exceptional precision at extended distances.
- Folding Stock: Enhances portability during transport.
- Reliable Bolt-Action: Proven design for dependable operation.
- Reduced Recoil: Hydraulic buffer system minimizes felt recoil for better control.
- Modular Design: Picatinny rails allow for customization with sights, lights, and grips.
- Heavy Barrel: Improves accuracy and reduces barrel heating.

MAIN SPECIFICATIONS

- Caliber: 0.338in. (8.6mm)
- Cartridge: 0.338in. Lapua Magnum cartridge
- Overall length: $\leq 1.300\text{m}$
- Weight (with an empty magazine): $\leq 7\text{kg}$
- Effective range: 1.500m
- Ammunition feeding: ≥ 5 round magazine
- The close grouping of shots: with an optical sight, at 800m $D_{100} \leq 23.5\text{cm}$ (1MOA)
1500m $D_{100} \leq 43.5\text{cm}$ (1MOA)



CS/LR12 12.7mm Semi-automatic Sniper Rifle

OVERVIEW

The CS/LR12 is a large-caliber (12.7mm) semi-automatic sniper rifle designed for engaging targets at extended ranges. It offers a balance between precision and firepower for military and law enforcement applications.

PERFORMANCE AND FEATURES

- Long-Range Capability: Delivers accurate fire at significant distances.
- Semi-Automatic Fire: Enables faster follow-up shots compared to bolt-action rifles.
- Ergonomic Design: Improves comfort and handling for extended use.
- Reliable Operation: Gas-operated system with bolt-lock mechanism.

MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Cartridge: 12.7mm non-automatic sniper rifle cartridge type CS/BFLS or 12.7 mm API type 54.
- Overall length: $\leq 1.450\text{m}$
- Weight: $\leq 14.9\text{kg}$ (excluding sight)
- Magazine: 5 round magazine
- Muzzle velocity: $\geq 810\text{m/s}$
- Effective range: 1.500m
- Accuracy: At 200 meters: Dispersion circle diameter under 4in. (10 cm) (excellent accuracy).
At 1,000 meters: Dispersion circle diameter under 23in. (58 cm) (acceptable accuracy for long range).



RIFLE SERIES



CQ-A 5.56mm Assault Rifle

OVERVIEW

The CQ-A 5.56mm assault rifle is a lightweight and user-friendly weapon designed for infantry combat. It boasts several improvements over the American M4 carbine.

PERFORMANCE AND FEATURES

- Short-Stroke Piston System
- High Accuracy (460 meters): Delivers precise fire at mid-range distances.
- Multiple Firing Modes: Selectable between semi-automatic and full-automatic fire for controlled or suppressive shooting.
- Large Magazine Capacity (30 rounds): Provides sustained firepower for engagements.
- Simple Operation: User-friendly design simplifies operation and maintenance.
- Tool-less Disassembly

MAIN SPECIFICATIONS

- Caliber: 5.56mm
 - Cartridge: 5.56x45mm NATO ammo
 - Fire rate: 700~900 rounds/min
 - Feeding mode: 30 round STANAG magazine
 - Weight: 3.5kg
 - Overall length: 787~883mm (adjustable gunstock)
 - Effective range: 460m
 - Muzzle velocity: 884m/s
 - Service life: 6,000 rounds
- Dispersion accuracy: ≤ 13.9 cm diameter at 100 meters (single fire)



Rifle Series



Type 06: 5.56mm Assault Rifle

OVERVIEW

The Type 06 is a lightweight, 5.56mm assault rifle designed for individual soldiers in combat situations. It prioritizes reliability and effectiveness within its effective range of 400 meters.

PERFORMANCE AND FEATURES

- Reliable in harsh conditions.
- Reliable: Functions flawlessly even in harsh environments.
- Compact: Folds for easier transport (unfolded: 34.57in /878mm, folded: 25.6in/650mm).
- Lightweight: Maneuverable due to its weight (under 8.6 lbs / 3.9 kg unloaded).
- Selectable Fire: Semi-automatic fully-automatic.
- Standard Caliber: Uses common 5.56x45mm NATO ammunition

MAIN SPECIFICATIONS

- Caliber: 5.56mm
- Cartridge: 5.56 x 45mm rifle cartridge type M193
- Muzzle Velocity: $\geq 860\text{m/s}$
- Effective range: 400m
- Overall length: 34.57in. (878mm, stock extended), 25.6in. (650mm, stock folded)
- Weight: (with empty magazine) $\leq 8.6\text{lbs}$ (3.9 kg)
- Magazine capacity: 30 rounds
- Firing Modes: Semi-automatic and fully-automatic



Type 56: 7.62mm Assault Rifle

OVERVIEW

The Type 56 is a classic 7.62x39mm assault rifle designed for reliable performance in various environments. It prioritizes affordability and ease of use for infantry combat.

PERFORMANCE AND FEATURES

- **Reliable:** Proven design for dependable operation under harsh conditions.
- **Cost-Effective:** Uses common 7.62x39mm ammunition, readily available worldwide.
- **Automatic Fire:** Delivers suppressive fire or increases hit probability in close quarters.
- **Folding Bayonet:** Attachable bayonet for close-combat defense (optional).

MAIN SPECIFICATIONS

- **Caliber:** 7.62mm
- **Cartridge:** 7.62x39mm
- **Muzzle Velocity:** 710m/s
- **Effective range:** 400m (semi-automatic)
300m (fully-automatic)
- **Overall length:** With Bayonet: 43.31in. (1,100 mm)
Without Bayonet: 34.41in. (874 mm)
- **Weight:** (with empty magazine) 8.38lbs (3.8 kg)
- **Firing Modes:** Semi-automatic and fully-automatic
- **Magazine capacity:** 30 rounds



Rifle Series



Type 56-1: 7.62mm Assault Rifle

MAIN SPECIFICATIONS

- Caliber: 7.62mm
Cartridge: 7.62x39mm (common ammo type)
- Muzzle Velocity: 710m/s
- Effective range: 400m (semi-automatic)
300m (fully-automatic)
- Overall length: 34.57in. (878mm, with extended stock)
25.4in. (645mm, with retracted stock)
- Weight (with empty magazine): 8.38lbs (3.8 kg)
- Compact Design: Folding stock reduces overall size for easier transport.
- Magazine capacity: 30 rounds

Type 56-2: 7.62mm Assault Rifle

MAIN SPECIFICATIONS

- Caliber: 7.62mm
Cartridge: 7.62x39mm (common ammo type)
- Muzzle Velocity: 710m/s
- Effective range: 400m (single shot),
300m (automatic fire)
- Overall Length: 34.41in. (874mm, with extended stock)
25.4in. (654mm, with retracted stock)
43.31in. (1.100mm, with extended bayonet and stock)
- Weight (with empty magazine): 8.38lbs (3.8 kg)
- Magazine capacity: 30 rounds



Type 81: 7.62mm Assault Rifle

OVERVIEW

The Type 81 is a Chinese-designed assault rifle chambered for the 7.62x39mm cartridge. It serves as a reliable and versatile option for individual soldiers in combat situations.

PERFORMANCE AND FEATURES

- Accuracy: Delivers precise fire at short to moderate ranges (up to 400 meters).
- Versatility: Accepts under-barrel grenade launchers for engaging fortified positions or light vehicles.
- Reliable in Harsh Conditions: Performs reliably in adverse environments.
- Firing Modes: Selectable semi-automatic and full-automatic.
- Cost-Effective: Uses widely available universal cartridges.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62x39mm (common ammo type).
- Firing Modes: Semi-automatic / Fully-automatic
- Muzzle Velocity: 720 m/s
- Effective range: 400m
- Overall length: 37.6in. (955mm, without bayonet)
43.5in. (1105mm, with bayonet)
- Weight (with empty magazine): 8.38lbs (3.8 kg)
- Magazine capacity: 30 rounds



Rifle Series



Type 81-1: 7.62mm Assault Rifle



MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62mm (common ammo type).
- Firing Modes: Semi-automatic / Fully-automatic
- Muzzle Velocity: 720 m/s
- Effective range: 400m
- Overall length: 37.6in. (955mm, without bayonet)
43.5in. (1105mm, with bayonet)
- Weight (with empty magazine): 8.38lbs (3.8 kg)
- Magazine capacity: 30 rounds



Type 97: 5.56mm Compact Assault Rifle

OVERVIEW

The Type 97 is a lightweight, 5.56mm assault rifle designed for close-quarters combat and self-defense applications.

PERFORMANCE AND FEATURES

- **Compact & Maneuverable:** Bullpup design keeps the weapon short (under 24.41 in / 620 mm) for better handling in tight spaces.
- **Multiple Firing Modes:** Offers semi-auto, full-auto, and a unique 3-round burst option for controlled fire.
- **Durable Construction:** Aluminum alloy receiver and high-performance plastics resist corrosion.
- **Reduced Flash & Smoke:** Upgraded suppressor improves visibility in low-light conditions.

MAIN SPECIFICATIONS

- **Caliber:** 5.56mm
- **Cartridge:** 5.56x45mm NATO ammo, SS109 or M193
- **Firing Modes:** Semi-automatic / Fully-automatic / Three-shot burst
- **Muzzle Velocity:** $\geq 820\text{m/s}$
- **Effective range:** 300m
- **Overall length:** $\leq 24.41\text{in.}$ (620mm, bullpup)
- **Weight (with empty magazine):** $\leq 7.17\text{lbs}$ (3.25 kg)
- **Magazine capacity:** 30 rounds
- **Service life:** ≥ 6000 rounds



Rifle Series



Type 97A: 5.56mm Assault Rifle

OVERVIEW

The Type 97A is an improvement over the Type 97, offering enhanced capabilities for infantry combat and self-defense.

PERFORMANCE AND FEATURES

- Increased Effective Range: Extended reach of up to 400 meters
- Higher Muzzle Velocity: More powerful cartridge
- Maintains Compactness: Retains a bullpup design for a length under 29.92 in (760 mm) for maneuverability.
- Controlled Firing: Three-round burst mode for managing full-auto fire.
- Increased Reliability: Extended service life of over 10,000 rounds.

MAIN SPECIFICATIONS

- Caliber: 5.56mm
- Cartridge: 5.56x45mm NATO ammo, SS109 or M193
- Firing Modes: Semi-automatic, fully-automatic, and 3-round burst
- Muzzle Velocity: ≥ 920 m/s
- Effective range: 400m
- Overall length: ≤ 29.92 in. (760mm, bullpup)
- Weight (with empty magazine): 7.94lbs (3.6 kg)
- Magazine capacity: 30 rounds
- Service life: ≥ 10000 rounds



CS/LR11: 7.62mm Assault Rifle

OVERVIEW

The CS/LR11 is a Chinese-made assault rifle designed for reliability and performance in various environments. It shares similarities with the AK-103 but offers some improvements.

PERFORMANCE AND FEATURES

- **Reliable:** Built for dependable operation under harsh conditions.
- **Improved Accuracy:** Delivers better firing accuracy compared to some AK variants
- **Easy to Use & Maintain:** Simple design for straightforward operation and cleaning.
- **Effective Range:** Optimized for engaging targets up to 400 meters.

MAIN SPECIFICATIONS

- **Caliber:** 7.62mm
- **Cartridge:** 7.62x39mm (common ammo type)
- **Muzzle Velocity:** > 690m/s
- **Firing accuracy (at 100m, single shot):** R₅₀ 2.17in. (5.5cm)
- **Overall length:** ≤37.13in. (943mm, stock extended),
≤27.56in. (700mm, stock retracted)
- **Weight (with empty magazine):** ≤8.6lbs (3.9 kg)
- **Magazine capacity:** 30 rounds
- **Service life:** ≥10000 rounds



Rifle Series



CS/LR17: Modular Multi-Caliber Rifle System

OVERVIEW

The CS/LR17 is a sophisticated, modular rifle system designed for modern military and law enforcement applications. The CS/LR17 system offers exceptional adaptability, firepower, and user comfort, making it a strong contender in the modern firearms market.

PERFORMANCE AND FEATURES

- **Modular Design:** This innovative system allows for quick caliber changes (5.56x45mm, 7.62x39mm, or 7.62x51mm) by swapping barrels and other components. This versatility enables configuration as an automatic rifle, short-barreled carbine, or squad machine gun, adapting to various combat roles.

- **Grenade Capability:** Can launch under-barrel grenades or mount grenade launchers.
- **Multi-Caliber Options:** Provides the flexibility to choose the best cartridge for the specific mission, from 5.56mm for close-quarters to 7.62x51mm for long-range engagements.
- **Ergonomic Design:** The stylish and user-friendly construction prioritizes comfort and ease of use during operation.
- **Picatinny Rails:** Features integrated Picatinny rails for the attachment of sights, lasers, grips, and other tactical accessories to enhance functionality. Standard Picatinny rails for accessory mounting.
- **Lethal Performance:** Effective against personnel out to 1,000 meters.



CQ 5.56mm Assault Rifle

OVERVIEW

The CQ 5.56mm assault rifle is a lightweight and user-friendly weapon designed for infantry combat. It prioritizes portability, accuracy, and reliable operation in various environments.

PERFORMANCE AND FEATURES

- Lightweight (3.2kg): Easy to carry and maneuver in combat.
- High Accuracy (460m): Delivers precise fire at mid-range distances.
- Selectable Firing Modes: Adapts between controlled single shots and suppressive full-auto fire.
- Simple & User-Friendly: Easy operation and tool-free partial disassembly for maintenance.
- 20-Round Magazine: Provides a balance of ammo and portability.

MAIN SPECIFICATIONS

- Caliber: 5.56mm
- Cartridge: M193 cartridge
- Ammunition feeding: 20 round magazine
- Muzzle Velocity: 940m/s
- Effective range: 460m
- Overall length: 987mm
- Weight: 3.2 kg
- Service life: 6000 rounds
- Dispersion accuracy: Dispersion under 13.3 cm diameter at 100 meters with single fire



Rifle Series



CQ-A 5.56mm Assault Rifle

OVERVIEW

The CQ-A 5.56mm is a lightweight and user-friendly assault rifle designed for infantry combat, offering performance comparable to the American M4 carbine.

PERFORMANCE AND FEATURES

- Lightweight (3.3 kg): Easy to carry and maneuver during combat.
- High Accuracy (460m): Precise fire at mid-range.
- Multiple Firing Modes: Adapts to controlled or suppressive fire (semi-auto/full-auto).
- Large Magazine (30 rounds): Sustained firepower.
- Simple & User-Friendly: Easy operation and tool-free partial disassembly for maintenance.
- Fires Multiple Ammo Types: Accepts SS109 and M193 cartridges.

MAIN SPECIFICATIONS

- Caliber: 5.56mm
- Cartridge: SS109 and M193 cartridge
- Ammunition feeding: 30 round magazine
- Weight: 3.3kg
- Overall length: 787-883mm (adjustable stock)
- Effective range: 460m
- Muzzle Velocity: 884m/s
- Service life: 6,000 rounds
- Accuracy: Dispersion under 13.9 cm diameter at 100 meters with single fire



CQ-B 5.56mm Assault Rifle

OVERVIEW

The CQ-B 5.56mm is a lightweight and maneuverable assault rifle designed for individual soldiers. It offers performance comparable to the American M16A2 rifle.

PERFORMANCE AND FEATURES

- Lightweight (3.2 kg): Easy to carry and handle during combat.
- High Accuracy (460 meters): Delivers precise fire at mid-range distances.
- Multiple Firing Modes: Selectable between semi-automatic and full-automatic fire for controlled or suppressive shooting.
- Easy disassembly for maintenance.
- Simple Maintenance: Gas-operated system and tool-less disassembly simplify cleaning and maintenance.

MAIN SPECIFICATIONS

- Caliber: 5.56mm
- Cartridge: M193 cartridge
- Ammunition feeding: 30 round magazine
- Muzzle Velocity: 940m/s
- Effective range: 460m
- Overall length: 987mm
- Weight: 3.2 kg
- Service life: 6,000 rounds
- Dispersion accuracy: ≤ 13.3 cm diameter at 100 meters (single fire).



9mm SUBMACHINE GUN SERIES

9mm Submachine Gun Series



CS/LS2 9mm Submachine Gun

OVERVIEW

The CS/LS2 is a 9mm submachine gun designed for diverse security applications. Its compact size and reliable performance make it ideal for both military and law enforcement personnel.

PERFORMANCE AND FEATURES

- **Reliable and Accurate:** Delivers consistent performance in critical situations.
- **Compact and Portable:** Easy to carry and maneuver in confined spaces (under 50 cm without silencer).
- **Suppressed Firing:** Minimizes noise, flash, and smoke for increased discretion.
- **Safety Features:** Manual safety lever and grip safety for secure handling.

MAIN SPECIFICATIONS

- **Caliber:** 9mm
- **Cartridge:** 9x19 Parabellum pistol cartridge
- **Overall length:** ≤ 19.69 in. (500mm, without silencer)
- **Weight (with an empty magazine):** ≤ 5.07 lbs (2.3kg, without silencer)
- **Magazine Capacity:** 30 rounds
- **Effective range:** 150m
- **Close grouping of shots (at 100m):** $R_{50} \leq 3.54$ in. (9cm, single shot, without silencer)
- **Service life:** $\geq 8,000$ rounds



9mm Submachine Gun Series



CS/LS7 9mm Submachine Gun

OVERVIEW

The CS/LS7 is a versatile 9mm submachine gun designed for close-quarter defense in high-pressure situations. Its compact design and reliable performance make it ideal for security forces and personal protection in various environments.

PERFORMANCE AND FEATURES

- Reliable and accurate performance.
- Anti-wear and anti-corrosion construction for extended service life.
- Picatinny rail for mounting sights or tactical equipment.

MAIN SPECIFICATIONS

- Caliber: 9mm
- Cartridge: 9x19 Parabellum pistol cartridge
- Overall length: ≤12.29in. (490mm, with buttstock retracted)
≤27.17in. (690mm, with buttstock stretched)
- Weight (with an empty magazine): ≤6.17lbs (2.8kg)
- Magazine Capacity: 20/30 rounds
- Firing method: Semi-automatic / Full-automatic
- Effective range: 200m
- Close grouping of shots (at 100m): $R_{50} \leq 3.15$ in. (8cm, single shot)
- Service life: ≥10,000 rounds

9mm Submachine Gun Series



CS/LS3 9mm Submachine Gun

OVERVIEW

The CS/LS3 is a 9mm submachine gun specifically designed for close-quarters combat (CQB) operations. This compact and reliable weapon equips special forces and law enforcement personnel with the firepower and maneuverability needed for high-pressure situations.

PERFORMANCE AND FEATURES

- **Reliable Performance:** Delivers consistent accuracy and functionality.
- **Compact Design:** Offers maneuverability in tight spaces (under 50 cm with stock retracted).
- **Effective Range:** Optimized for close-quarters engagements (up to 150 meters).

MAIN SPECIFICATIONS

- **Caliber:** 9mm
- **Cartridge:** 9x19 Parabellum pistol cartridge
- **Overall length:** ≤19.88/26.57in. (505/675mm)
- **Weight with an empty magazine:** ≤7.05lbs (3.2kg)
- **Magazine Capacity:** 30 rounds
- **Firing method:** Semi-automatic / Full-automatic
- **Effective range:** 150m
- **Close grouping of shots (at 50m):** $R_{50} \leq 2.36$ in. (6cm)
- **Service life:** ≥ 8,000 rounds



MACHINE GUN SERIES



Type 86 7.62mm Vehicular Machine Gun

OVERVIEW

The Type 86 is a 7.62mm machine gun designed to provide heavy firepower for combat vehicles like tanks and armored cars.

PERFORMANCE AND FEATURES

- Effective against infantry formations within 1,000 meters.
- Suppressive Fire: Can lay down continuous fire to pin down enemy forces.
- Offers long/short bursts and automatic fire for tactical flexibility.
- Lightweight & Compact: Saves space and minimizes weight impact on vehicles.
- Dual Trigger Options: Selectable manual or electric trigger mechanisms.
- High Ammo Capacity: Uses a 200-round link belt
- Reliable Performance: Delivers consistent operation with a 25,000-round service life.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62x54mm (ball, tracer, incendiary, armor-piercing)
- Overall length: ≤ 43.19 in. (1,097mm)
- Weight: ≤ 25.57 lbs (11.6kg)
- Muzzle velocity: 830 ± 20 m/s
- Feeding method: cartridge link
- Belt Box Capacity: 200 rounds (standard), other capacities optional
- Firing Modes: Automatic fire (with optional burst modes on some variants)
- Effective range: 1,000m
- Input voltage: 26 ± 4 V
- Service life: 25,000 rounds



Machine Gun Series



CS/LM8 5.56mm Light Machine Gun

OVERVIEW

The CS/LM8 is a 5.56mm light machine gun (LMG) designed to provide sustained firepower for infantry units. Its lightweight design and versatility make it ideal for various combat scenarios.

PERFORMANCE AND FEATURES

- **Suppressive Fire:** Delivers a hail of bullets to pin down enemy forces or cover troop movements at ranges up to 600 meters.
- **Equipped with a cartridge link and a magazine for use under varied occasions.**
- **Lightweight Maneuverability:** Weighing under 7.1 kg
- **Dual Feeding System:** Adapts to different situations with either magazine or belt-fed ammunition.
- **Safety Features:** Equipped with a manual safety mechanism for secure handling.

MAIN SPECIFICATIONS

- **Caliber:** 5.56mm
- **Cartridge:** 5.56×45mm cartridge (type SS109)
- **Overall length:** ≤40.94in. (1,040mm)
- **Weight:** ≤15.65lbs (7.1kg, with the bipods, without the cartridge box, the magazine or the sight)
- **Muzzle velocity:** 915±28m/s
- **Feeding method:** Magazine or belt-fed
- **Firing mode:** Fully-automatic
- **Ammunition box capacity:** 100 rounds (cartridge link)
30 rounds (magazine)
- **Service life:** ≥15,000 rounds



Type 80 7.62mm Multi-purpose Machine Gun

OVERVIEW

The Type 80 is a 7.62mm machine gun designed to offer infantry units both heavy and light machine gun capabilities in a single weapon. This versatility makes it a valuable asset on the battlefield.

PERFORMANCE AND FEATURES

- Effective against personnel, vehicles, and airborne threats.
- Compact Design: Enhances portability compared to traditional heavy machine guns (under 120 cm).
- Reliable Performance: Functions well in harsh environments due to its dust-proof design.
- Easy Operation: Simplifies training and use for infantry units.
- Ammunition Versatility: Fires various 7.62mm cartridges like ball, tracer, incendiary, and armor-piercing incendiary (API).

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62mm ball cartridge type53, tracer cartridge, incendiary cartridge, API
- Overall length: 46.93in. (1,192mm)
- Weight: 27.78lbs (12.6kg)
- Muzzle velocity: 825m/s
- Ammunition box capacity: 100/200 rounds
- Effective range: 1,000m (as heavy machine gun)
800m (as light machine gun)
- Service life: > 25,000 rounds



Machine Gun Series



CS/LM4: 7.62mm Versatile Machine Gun

OVERVIEW

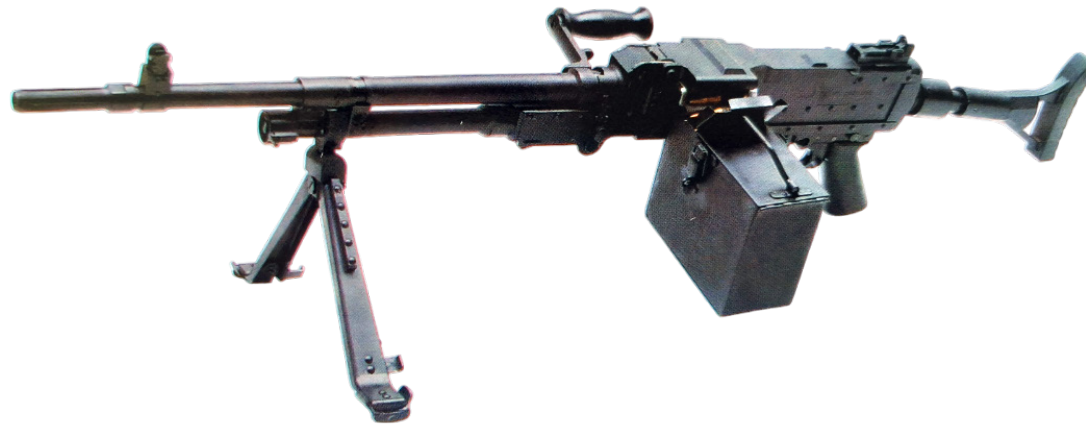
The CS/LM4 is a 7.62x51mm general-purpose machine gun designed to offer infantry units both heavy and light machine gun capabilities. Its adaptability makes it a valuable asset on the battlefield.

PERFORMANCE AND FEATURES

- Destructive Power: Effective against personnel, vehicles, and airborne threats.
- Adaptable Platform: Functions as both a heavy and light machine gun depending on configuration.
- Easy Operation: Simplifies training and use for infantry units.
- Adjustable Firing Height: Allows for optimal positioning in various combat scenarios.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: NATO 7.62x51mm ball cartridge
- Overall length: ≤46.93in. (1,192mm)
- Weight: ≤28.66lbs (13kg)
- Muzzle velocity: 830 ± 20m/s
- Effective range: 1,000m (as heavy machine gun)
800m (as light machine gun)
- Ammunition box capacity: 100 rounds (small box)
200 rounds (big box)
- Feeding method: Belt-fed
- Firing mode: Automatic
- Service life: 25,000 rounds



CS/LM1 7.62mm Machine Gun

OVERVIEW

The CS/LM1 a 7.62x51mm general-purpose machine gun designed to provide infantry units and vehicles with a wide range of firepower options.

PERFORMANCE AND FEATURES

- Reliable Performance: Delivers consistent functionality in various environments
- Adjustable Fire Rate: Allows for controlled bursts or suppressive fire depending on the tactical situation.
- Multi-purpose variants:
 - Vehicle-mounted (CS/LM1)
 - Light machine gun (CS/LM1A)
 - Heavy machine gun (CS/LM1B & CS/LM1C)

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62x51mm NATO cartridge
- Weight: 11kg (vehicular)
 - 12.5kg (light machine gun)
 - 22.5kg (heavy machine gun)
- Overall length: 1,100mm (vehicular)
 - 1,325mm (light machine gun)
 - 1,360mm (heavy machine gun)
- Muzzle velocity: 840m/s
- Effective range: 1,200m
- Feed mode: open dispersible link belt
- Dispersion accuracy: ≤ 22 cm x 22cm (100m, bipod, 70% concentration)
 - ≤ 18 cm x 18cm (100m, tripod, 70% concentration)



Machine Gun Series



CS/LM6 0.50 in. Heavy Machine Gun

OVERVIEW

The CS/LM6 is a powerful 12.7mm (.50 caliber) heavy machine gun designed for both vehicle and ground deployment.

PERFORMANCE AND FEATURES

- Vehicle Mounted: Provides heavy firepower for armored vehicles.
- Ground Deployable (Optional): Can be set up on a tripod or carried with optional equipment for ground operations.
- Adaptable Sighting: Accepts optional Picatinny rail mounted optics for enhanced targeting.
- Effective Range: Destroys lightly armored targets and firepower points up to 800 meters, and engages mass infantry formations up to 1,600 meters.
- Utilizes a short recoil system for automatic fire.

MAIN SPECIFICATIONS

- Caliber: 12.7mm (.50 cal.)
- Cartridge: 12.7×99mm NATO cartridge
- Muzzle velocity: $\geq 840\text{m/s}$
- Weight: weight of gun body: $\leq 38\text{kg}$
weight of gun mount: $\leq 20\text{kg}$
- Firing Mode: Automatic
- Overall length: 1,660mm
- Effective range: 1,600m
- Dispersion accuracy: $R_{50} \leq 13\text{cm}$ (at 100m, tripod)



12.7mm Anti-aircraft Machine Gun Type W85

OVERVIEW

The W85 is a 12.7mm heavy machine gun designed for both anti-aircraft defense and ground support roles. Effective against low-flying aircraft and light armored vehicles. Suppresses enemy fire from ground positions or mounted vehicles.

PERFORMANCE AND FEATURES

- Gas-operated Automatic Mechanism: Delivers reliable performance.
- Forced Lock with Anti-Bounce Device: Enhances accuracy and reduces firing instability.
- Double-feed System: Ensures smooth ammunition feeding.
- Rapid Tool-less Disassembly: Simplifies maintenance and field repairs.
- Adjustable Sights: Offers targeting options for ground and aerial engagements.
- Wide Traverse: Enables effective tracking of aerial targets.

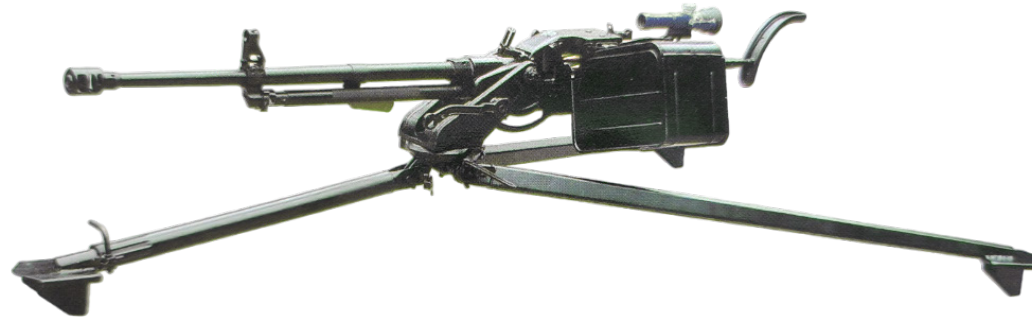


MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Muzzle velocity: 800m/s (12.7mm API type 54)
1,150m/s (12.7mm Tungaloy APDS type 84)
- Range of rear sight: 1,600m
- Weight: 39kg
- Overall length: 1,995mm (in ground firing position)
- Effective range: 1,600m (anti-aircraft)
1,500 (ground)
- Elevation range: -15~25° (flat fire)
-15~80° (anti-aircraft fire)
- Traverse range: 120° (flat fire)
360° (anti-aircraft fire)



Machine Gun Series



CS/LM3 0.50 in. Anti-aircraft Machine Gun

OVERVIEW

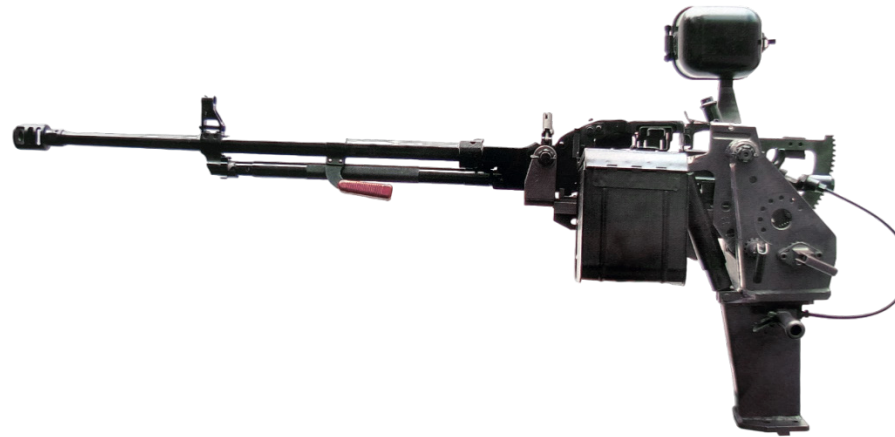
The CS/LM3 is a 12.7mm (.50 caliber) heavy machine gun designed for anti-aircraft defense but also capable of ground support. Effective against low-flying aircraft and light armored vehicles. Suppresses enemy fire positions.

PERFORMANCE AND FEATURES

- Gas-operated Automatic Mechanism: Delivers reliable performance.
- Forced Lock Mechanism.
- Open Link Belt Feed: Facilitates smooth ammunition feeding.
- Compact and Lightweight Design.
- Adjustable Sights: Offers targeting options for ground and aerial engagements.
- Wide Traverse: Enables effective tracking of aerial targets.

MAIN SPECIFICATIONS

- Caliber: 12.7mm (.50 cal.)
- Cartridge: 12.7×99mm cartridge type 208
12.7×99mm NATO standard cartridge
- Muzzle velocity: 840±15m/s
(12.7×99 mm cartridge type 208)
- Weight: 40kg
- Overall length: 2,170mm (flat fire range)
- Length of gun body: 1930mm (shoulder stock unfolded)
1680mm (shoulder stock folded)
- Effective range: 1,600m (anti-aircraft)
1,500 (ground)
- Elevation range: -15~25° (flat fire)
-15~80° (anti-aircraft fire)
- Traversing range: 120° (flat fire)
360° (anti-aircraft fire)



12.7mm Vehicular Machine Gun Type 90- II AF2

OVERVIEW

The Type 90-II AF2 is a 12.7mm heavy machine gun designed for mounting on modified Toyota pickup trucks. It provides mobile firepower for various situations.

PERFORMANCE AND FEATURES

- Mobile Firepower: Mounted on pickup trucks for rapid deployment.
- Anti-Air & Ground Engagement: Capable of engaging low-flying aircraft and ground targets up to 1,600 meters.
- Long-Range Suppression: Suppresses enemy positions and light armored vehicles.
- Rapid Response: Delivers quick firepower when needed.
- Durable Design: Functions reliably in various operating temperatures (-4.5°C to +50°C).

MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Cartridge: 12.7mm cartridge type 54
- Weight: ≤75kg
- Gun Body Length: 1,685mm
- Effective range: 1,500m
- Elevation range: -4.5°~ + 70°
- Feed mode: link belt
- Traverse Range: 360° (with mount)
- Operating temperature: -4.5°~ +50°
- Dispersion accuracy: at 100m, $R_{50} \leq 18$ cm



Machine Gun Series



W88: Versatile Vehicle-Mounted Machine Gun (12.7mm)

OVERVIEW

The W88 is a 12.7mm heavy machine gun designed for use on tanks, armored vehicles, and artillery to provide air defense and ground support.

PERFORMANCE AND FEATURES

- Mounts on various armored platforms for mobile firepower.
- Effective against low-flying aircraft and ground targets up to 1,500 meters.
- Suppresses enemy positions and light armored vehicles.
- Quick-Change Barrel: Facilitates sustained fire.
- Compact Design: Saves space on crowded vehicle platforms.
- Reliable Performance: Gas-operated mechanism ensures smooth operation.
- High Accuracy: Delivers precise fire at a distance.
- Ammunition Versatility: Fires various 12.7mm cartridges like armor-piercing incendiary (API) and standard ball rounds.

MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Cartridge: 12.7mm API type 54 and other standard cartridges
- Muzzle velocity: 800 m/s (12.7mm API type 54)
1,150m/s (discarding sabot cartridge type 54-1)
- Effective range: 1,500m
- Overall length: 1,502mm
- Weight: 54 kg (including 60-round ammo box)
- Elevation range: -6°~ +85°
- Traverse Range: 360° (depends on gun turret)



Type 2000: Shipborne Guardian (12.7mm)

OVERVIEW

The Type 2000 is a 12.7mm heavy machine gun designed for use on patrol boats and other naval vessels for defense against various threats.

PERFORMANCE AND FEATURES

- Shipborne Defense: Protects against moving water targets, low-flying aircraft, and enemy fire positions.
- Enables sustained fire during engagements.
- Saves space and minimizes weight impact on ships.
- Gas-operated mechanism ensures smooth operation in sea conditions.
- Adaptable Firing Position: Height adjustment for optimal usability.
- Tracks and engages targets across a broad field of view.

MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Weight (total): Less than or equal to 100kg
- Length of gun body: 756/1502mm (shoulder stock open/folded)
- Firing accuracy: at 100m, $R_{50} \leq 18\text{cm}$
- Effective range: 1,500m (on the ground)
1,600m (anti-aircraft)
- Muzzle velocity: 800m/s
- Height of fire line: 1,450mm ~ 1,600mm (adjustable)
- Traversing range: 360°
- Elevation range: -10° ~ +80°
- Magazine capacity: 60 rounds





REMOTE INTEGRATED WEAPON SERIES

Remote Integrated Weapon Series



All-Terrain War Machine: The ATV Weapon System

OVERVIEW

This 4-wheeled (4x4) vehicle is a versatile weapon system built for maneuverability and deployment.

PERFORMANCE & FEATURES

- Handles diverse terrain: Conquers deserts, beaches, grasslands, and snowfields.
- Air transportable: Loads onto trucks, trains, ships, helicopters, and airdrops for rapid deployment.
- Lightweight and agile: Delivers a good balance of power and handling for tactical movement.
- Winch Capability: Tackles challenging terrain with a powerful electric winch.

MAIN SPECIFICATIONS

- Four-wheel drive (4x4)
- Crew: 2 (driver and passenger)
- Profile size (L×W×H): $\leq 90.55 \times 49.21 \times 59.06$ in.
(2,300 × 1,250 × 1,500mm)
- Weight: ≤ 760.6 lbs (345kg, total weight)
 ≥ 551.16 lbs (250kg, loading weight)
- Max. speed: 70km/h
- Rated power: ≥ 15.5 kw (5,500-6,500r/min)
- Max. wading depth: 19.69in. (500mm)
- Climability: $\geq 60\%$
- Traction: 4.5KN (with electric winch)
- Driving range: 200km
- Driving service life: 25,000km
- Storage time: 10 years
- Operating temperature: $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$
- Working altitude: $\leq 3,500$ m



Remote Integrated Weapon Series



CS/LK3: Remotely Operated Heavy Machine Gun Turret (12.7mm)

OVERVIEW & CHARACTERISTIC

The CS/LK3 is a remotely controlled weapon station (RCWS) equipped with a 12.7mm heavy machine gun. Designed for various vehicles and fixed installations, it provides mobile or stationary firepower.

PERFORMANCE & FEATURES

- Vehicle or Fixed Mount: Adaptable for various platforms.
- Remote Operation: Enhances crew protection by keeping operators out of harm's way.
- Multiple Safety Features: Ensures safe operation and prevents accidental firing.
- Target Locking: Allows restricted firing zones for safety.
- Combining a wide field of view with long identification range allows for early detection and quick response to emerging threats.

MAIN SPECIFICATIONS

- Size (L×W×H): ≤63×37.4×23.62in.
(1.600 × 950 × 600mm)
- Weight (with ammunition): ≤507.06lbs (230kg)
≤440.921bs (200kg, the top of vehicle)
- Weapon: 12.7mm vehicular machine gun
- Maximum capacity: 120 rounds
- Elevation range: ≤-10°
≥ 60°
- Traverse range: 360°
- Sight Field of View: 3.2° to 30°
- Identification range: ≥1.500m
- System response time: ≤7s
- Operating voltage: 26±6 VDC
- Operating temperature: -20°C~+55°C
- MTBF(01): ≥100hours



CS/LM12 7.62mm Rotating Barrel Machine Gun

OVERVIEW & CHARACTERISTIC

The CS/LM12 is a 7.62mm, six-barreled rotary machine gun designed for delivering devastating firepower against infantry and light vehicles within 1,000 meters.

PERFORMANCE & FEATURES

- High Rate of Fire: Delivers a maximum firing rate of 6,000 rounds per minute for intense suppression.
- Wide dispersion pattern maximizes target saturation.
- Durable Design: Six-barrel configuration and piston-less design extend service life.
- Electrically Operated: Ensures smooth and reliable operation.
- Sustained Fire: Large ammo box and linked feed system support continuous firing. Equipped with a cartridge link and a large cartridge box to support sustained fire.
- Reduced Recoil: Manages recoil for better platform stability.
- Versatile Mounting: Adaptable for vehicles, helicopters, ships, and fixed positions.

MAIN SPECIFICATIONS

- Caliber: 7.62mm
- Cartridge: 7.62×51mm NATO cartridge
- Gun body assembly length: 51.18in. (1.300m)
- Weight: ≤198.42lbs (90kg)
- Muzzle velocity: ≥845m/s
- Ammunition belt box capacity: 1,000 rounds (capacity can be selected)
- Feeding method: cartridge link
- Firing mode: continuous fire
- Effective range: 1.000m
- Firing rate: 2.500 r/m (low speed)
6.000 r/m (high speed)
- Input voltage: 26±24 DC/V
- Input power: ≤2.3KW
- Elevating range: -45°~ + 60°
- Traverse range: +180°
- Service life: ≥60.000 rounds



Remote Integrated Weapon Series



CS/LM5 12.7mm Rotating Barrel Machine Gun

OVERVIEW

The CS/LM5 is a 12.7mm, three-barreled rotary machine gun designed for mounted use on armored vehicles and ships. It provides a high rate of fire to engage low-flying aircraft, fast-moving light vehicles, and surface targets.

PERFORMANCE & FEATURES

- Fast Firing: Delivers selectable firing rates of 1,000 or 2,000 rounds per minute for intense firepower.
- Rotary Barrel Design: Reduces barrel heat buildup during sustained fire.
- Electric Operation: Ensures smooth and reliable operation.
- Effective Against Air & Ground: Capable of engaging low-altitude aircraft, light vehicles, and waterborne targets.
- Wide Firing Arc: Adjustable elevation allows for targeting flexibility.

MAIN SPECIFICATIONS

- Caliber: 12.7mm
- Number of barrels: 3
- Ammunition fired: 12.7×108mm cartridge
- Firing rate: 1.000 r/m (low speed)
2.000 r/m (high speed)
- Elevating limit: -8°~ +60°
- Effective range: 1.500m
- Fire precision: ≤8mil (80% concentration)
- Service life: ≥10.000 rounds



CS/VA1 Light Fire Assault Vehicle: Mobile Firepower (12.7mm)

OVERVIEW

The CS/VA1 is a light fire assault vehicle built on the EQ2050A Warrior SUV chassis. It integrates a CS/LM5 12.7mm rotary barrel machine gun with various communication and targeting equipment for a mobile fire platform.

PERFORMANCE & FEATURES

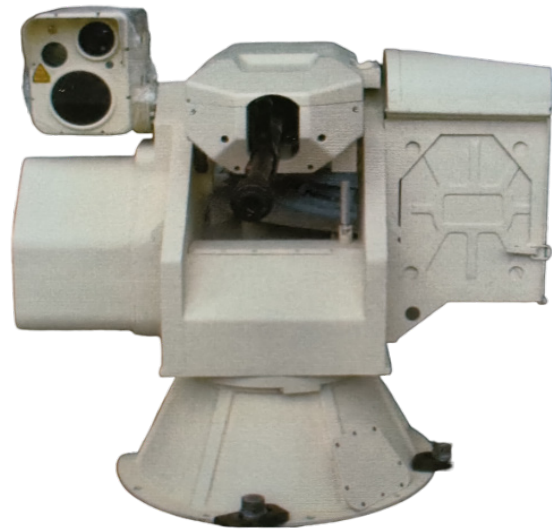
- Mobile Firepower: Delivers suppressive fire and tackles diverse threats with a modular weapon system.
- Rapid Deployment: SUV chassis offers excellent off-road handling and highway performance.
- All-Weather Operations: Functions reliably in extreme environments.
- Ideal for suppressing enemy forces and patrolling rough terrain.

MAIN SPECIFICATIONS

- Weapon: CS/LM5 12.7mm rotating barrel machine gun
- Weight: ≤4.600kg (the whole system)
≥1.000kg (loading)
- Max. highway speed: ≥105km/h
- Min. turning diameter: ≤15m
- Max. climbing gradient: 60%
- Max. fording depth: 750mm
- Vertical obstacle height: 450mm
- Max. driving range: ≥500km
- Operating temperature: -40°C~+55°C
- Sight: Daytime sight
- Max. capacity: ≥1.800 rounds



Remote Integrated Weapon Series



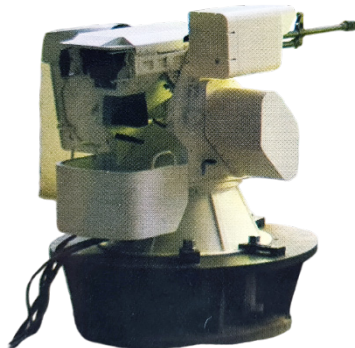
PERFORMANCE & FEATURES

- Remote Control: Protects crew from harm during operation.
- Automatic Targeting: Tracks and engages targets autonomously.
- Gyro-Stabilization: Delivers a stable firing platform in rough seas.
- Prevents accidental firing and identifies danger zones.
- Multiple Firing Modes: Offers flexibility for various situations.
- Image Recording & Playback: Enables mission review and analysis.
- Effective against: Personnel (1,500m), light armored fire & vehicles (1,000m).

ORW-1: Smart Shipborne Defense (12.7mm)

OVERVIEW

The ORW-1 is a remote weapon station designed for patrol vessels to provide comprehensive defense against maritime threats. It integrates a 12.7mm machine gun with advanced targeting and stabilization technologies.



MAIN SPECIFICATIONS

- Weapon: 12.7mm vehicle-mounted machine gun type W88
- Cartridge: 12.7mm armour piercing cartridge type 54
- Effective range: 1,500m
- Azimuth: $-170^{\circ} \sim +170^{\circ}$
- Elevation limits: $-40^{\circ} \sim +60^{\circ}$
- System response time: $\leq 7s$
- Maximum cartridge capacity: 120 rounds
- Identification range: 100~3,000m
- Operating temperature: $-30^{\circ}C \sim +60^{\circ}C$ (ADE),
 $-10^{\circ}C \sim +50^{\circ}C$ (BDE)
- Storage temperature: $-40^{\circ}C \sim +70^{\circ}C$



ORW-1A: Enhanced Shipborne Defense (14.5mm)

OVERVIEW

The ORW-1A is an upgrade to the ORW-1 remote weapon station, designed for patrol vessels to counter more significant maritime threats. Equipped with a 14.5mm machine gun, it offers an extended effective range (2,000 meters) compared to the ORW-1's 12.7mm weapon.

PERFORMANCE & FEATURES

- Remote control for crew safety and image recording and playback.
- Automatic targeting and gyro-stabilization and multiple firing modes with safety systems to prevent accidental fire.

MAIN SPECIFICATIONS

- Weapon: QTB 14.5mm machine gun
- Cartridge: 14.5mm Armor-Piercing Cartridge Type 56
- Effective range: 2,000m
- Azimuth: $-170^{\circ}\sim+170^{\circ}$
- Elevation range: $-40^{\circ}\sim+60^{\circ}$
- System response time: $\leq 7s$
- Max. cartridge capacity: 120 rounds
- Identification range: 100~3,000m
- Operating temperature: $-30^{\circ}C\sim+60^{\circ}C$ (ADE) • $-10^{\circ}C\sim+50^{\circ}C$ (BDE)
- Storage temperature: $-40^{\circ}C\sim+70^{\circ}C$



GRENADE LAUNCHER SERIES



CS/LG1 40mm Grenade Launcher

OVERVIEW & CHARACTERISTIC

The CS/LG1 is a 40mm grenade launcher designed to attach to various rifles (CQ5.56mm, Type 56-1 submachine gun, Type 81 automatic rifle) for enhanced firepower.

PERFORMANCE & FEATURES

- Attaches to rifles: Provides additional explosive capability without needing a separate weapon.
- Multiple Uses: Destroys targets, provides illumination, signaling, smoke screening, and armor piercing options (depending on ammunition).
- Simple & Reliable: Easy to operate, lightweight for portability, and minimal malfunctions.

MAIN SPECIFICATIONS

- Caliber: 40mm
- Muzzle velocity: 74±4m/s
- Effective range: 350m (quadrantal rear sight equipped)
- Loading Mode: Rear-loaded
- Length of launcher: ≤400mm
- Length of launching tube: 305mm
- Weight: ≤1.5kg
- Accuracy on 75m-distance-target:
EZ (traverse) x EY (elevation) ≤1m x 1.5m
- Service life: 1,000 rounds



Grenade Launcher Series

CS/LG2 40mm Grenade Launcher

OVERVIEW

The CS/LG2 is a vehicle-mounted or tripod-fired automatic grenade launcher designed to significantly enhance the firepower of infantry units. Drawing inspiration from the Mk 19, it offers a compelling combination of portability and explosive power on the battlefield.

PERFORMANCE & FEATURES

- Automatic Fire: Delivers a large volume of grenades for area suppression and fortification destruction.
- Dual Purpose: Effective against exposed personnel, light armor, and cover within fortifications.
- Mountable Platform: Adapts to tripods, helicopters, patrol boats, and armored vehicles for flexible deployment.

MAIN SPECIFICATIONS

- Caliber: 40mm
- Cartridge: domestic and NATO standard 40 × 53mm SR series grenade
- Automatic action: simple blowback bolt
- Effective range: 1,500m
- Weight: ≤35.5kg (gun body)
≤65kg (with tripod)
- Overall length: 1,200mm
- Accuracy on 100m-distance-target: EZ (traversing) x EY (elevation) ≤0.25m x 0.5m
- Service life: 3,000 rounds





CIVILIAN FIREARMS SERIES



Civilian Firearms Series



EM123

MAIN SPECIFICATIONS

- Full length: 960mm
- Barrel length: 475mm
- Full weight: 4.15kg
- Caliber: 18.4mm
- Cartridge: 12GA 2-3/4in. & 3in. shotgun shell
- Magazine capacity: 5 rounds
- Firing mode: semi-auto



EM124

MAIN SPECIFICATIONS

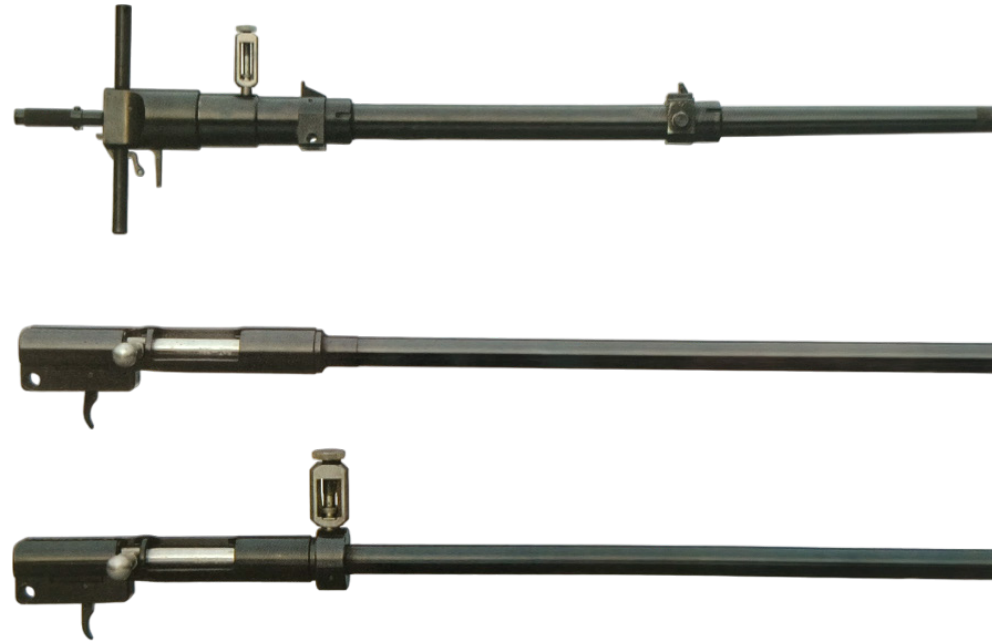
- Full length: 985mm
- Barrel length: 460mm
- Full weight: 3.6kg
- Caliber: 18.4mm
- Cartridge: 12GA 2-3/4in. & 3in. shotgun shell
- Magazine capacity: 5 rounds
- Firing mode: bolt action



EM332A

MAIN SPECIFICATIONS

- Full length: 964mm
- Barrel length: 508mm
- Full weight: 3kg
- Caliber: 5.8mm
- Cartridge: .22LR
- Magazine capacity: 5 rounds
- Firing mode: bolt action



Ballistic Equipment: Protection for Every Caliber

This range of ballistic equipment offers comprehensive protection for users facing threats from various firearm calibers, from 4.6mm to 30mm.

FEATURES

- Multi-Caliber Protection: Effective against a wide range of ballistic threats.
- Durable Construction: Built to withstand the rigors of combat or tactical operations.
- Enhanced User Safety: Provides crucial protection for personnel in hazardous environments.





TACTICAL DEFENCE SOLUTIONS

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