

Technical Specifications

Calibre 5.56 x 45 mm (0.223") **Length** Weapon: 805 mm (32") Barrel: 508 mm (20")

Sighting System Integrated 1.5x Optical Scope or 3x Optical Scope option

Standard Accessories ■ Rifle Cleaning Kit ■ Rifle Sling ■ Magazine - 30-round plastic or 30-round M16 type

Weight

Weapon without accessories	4 kg	(8.8 lbs)
30-round box magazine, empty	0.12 kg	(0.25 lbs)
30-round box magazine, loaded	0.46 kg	(1 lb)

Mechanical Features

Firing Modes	Semi & Auto
Method of Operation	Gas
Type of Locking	Rotary Bolt
Method of Feed	Magazine (30 rounds)
Rate of Fire	450 to 650 rpm

Maximum Effective Range

460 m (500 yards) for 1 in 12" Barrel Rifling (M193)
800 m (875 yards) for 1 in 7" Barrel Rifling (SS109) / M855

Optional Accessories

- Laser Aiming Device
 - Visible red dot or Infra-red option
- Blank Firing Attachment
- Bore Sighting Equipment
- Cartridge Collector

Note: Specifications are subject to changes by the manufacturer without prior notice.



M16 magazine



Plastic magazine

SAR 21



SAR 21

The Assault Rifle For The 21st Century



- Optical scope requires minimal zeroing
- Ergonomic design
- Modular construction
- Cost effective



Bullpup design

SAR 21

In combat or threatening situations, soldiers and law enforcement officers are trained to move quickly to neutralise / engage their targets. They require weapons that are deadly accurate and easy to use.

The SAR 21 is the assault rifle for such a mission. Integrated with state-of-the-art technologies, the SAR 21 is the weapon of choice.



Easy to use

Advance Design

Built on a "bullpup" design with extensive use of high strength engineering plastics and composites, the 5.56 calibre gas-operated SAR 21 is 20% shorter, more compact and lighter in weight compared to an equivalent M-16. This allows the rifle to be operated easily in tight space situations. In addition, the recoil mechanism design allows for low recoil and better controllability during firing.



Highly accurate

Highly Accurate

The SAR 21's integrated 1.5X Optical Scope minimises the need for zeroing to suit different users while enabling quick and accurate aiming.

The optical scope optimises field of view and magnification so that targets can be engaged more quickly and easily than with an iron sight. The operational performance of the optical scope is ensured by mounting it inside a secure housing that is integral with the barrel assembly.

For low light conditions, a built-in Laser Aiming Device (LAD) using either infra-red or visible red dot, offers an almost instant reaction capability. In addition, the open sight located above the optical scope provides a backup combat sight for the soldier.

For visual security, the LAD has a baffle that prevents the beam source from being detected at off-axis angles.



Visible red dot: LAD



Composite plate shield

Safe

For added protection, the SAR 21 has patented safety features like a high pressure vent hole at the barrel extension and a composite plate at the cheek rest. Both features prevent the user from sustaining serious injuries in the unlikely event of a chamber explosion - the vent hole provides an outlet to release high pressure gases while the composite plate shields the user from the explosion.



Modular in design

Modular

The SAR 21 is designed for easy stripping and cleaning. Modular in design, the weapon uses a minimal number of parts. Furthermore, the gas piston is designed to reduce carbon fouling of the bolt, bolt carrier and trigger mechanism.



SAR 21 40 GL



SAR 21 M203



SAR 21 P-RAIL



SAR21 MMS Carbine



SAR21 Light Weight Carbine

Variants

The SAR 21 is a family of weapons that caters to a wide range of operational requirements. All SAR 21 variants enjoy a high commonality of parts.

SAR 21 GL / M203

- Attached with a 40 GL or M203
- Calibre: 5.56 mm / 40mm
- Weight (empty): 5.3 kg
- Length: 80.5 cm
- Rate of Fire: 450 to 650 rpm for SAR21, single shot for GL / M203
- Firing Modes: Semi / Auto for SAR21, semi for GL / M203

SAR 21 P-Rail

- Standard Picatinny Rail conforming to Mil-Std-1913
- Charging Handle on the left side
- Calibre: 5.56 mm
- Weight (Empty): 3.6 kg
- Length: 80.5 cm
- Rate of Fire: 450 to 650 rpm
- Firing Modes: Semi / Auto

SAR 21 Modular Mounting System Carbine

- Folding charging handle on the left side
- Vertical handgrip
- Calibre: 5.56 mm
- Weight (Empty): 3.5 kg
- Length: 68 cm
- Rate of Fire: 450 to 650 rpm
- Firing Modes: Semi / Auto

SAR 21 Light Weight Carbine

- Picatinny Rail conforming to mil-std-1813
- Centrally mounted charging handle
- Calibre: 5.56 mm
- Weight (Empty): 3 kg
- Length: 64 cm
- Rate of Fire: 450 to 650 rpm
- Firing Modes: Semi / Auto