

# Variants

## Variants

The SAR21 is a family of weapons that caters to a wide range of operational requirements. All SAR21 variants enjoy a high commonality of parts.



SAR21/40GL



SAR21 M203

## SAR21/40GL / M203 / STK 40GL

- Attached with a 40GL, M203 or STK 40GL
- Calibre: 5.56 mm / 40mm
- Weight (empty): 5.5 kg
- Length: 80.5 cm
- Rate of Fire: 450 to 650 rpm for SAR21
- Firing Modes: Semi / Auto for SAR21, single-shot for GL / M203 / STK 40GL

## SAR21 Modular Mounting System

- Picatinny Rails conforming to Mil-Std-1913
- Calibre: 5.56 mm
- Weight (Empty): 3.5 kg
- Length: 75.5 cm (Standard version)  
68.0 cm (Carbine version)
- Rate of Fire: 450 to 650 rpm
- Firing Modes: Semi / Auto



SAR21 MMS Carbine



SAR21 P-RAIL

## SAR21 P-Rail

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

## SAR21 Light Weight Carbine

- Picatinny Rail conforming to Mil-Std-1913
- Calibre: 5.56 mm
- Weight (Empty): 3 kg
- Length: 64 cm
- Rate of Fire: 450 to 650 rpm
- Firing Modes: Semi / Auto



SAR21 LWC

Note: The SAR21 family of weapons can be configured to use the M16 magazine.

## Technical Specifications

<b>Calibre</b>	5.56 x 45 mm (0.223")		
<b>Length</b>	Weapon: 805 mm (32")    Barrel: 508 mm (20")		
<b>Sighting System</b>	Integrated 1.5x Optical Scope or 3x Optical Scope option Integrated Laser Aiming Device		
<b>Standard Accessories</b>	<ul style="list-style-type: none"> <li>■ Rifle Cleaning Kit</li> <li>■ Rifle Sling</li> <li>■ Magazine - 30-round plastic</li> </ul>		
<b>Weight</b>	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)
<b>Mechanical Features</b>	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	
<b>Maximum Effective Range</b>	460 m (500 yards) for 1 in 12" Barrel Rifling (M193) 800 m (875 yards) for 1 in 7" Barrel Rifling (M855 / SS109)		
<b>Optional Accessories</b>	<ul style="list-style-type: none"> <li>■ Blank Firing Attachment</li> <li>■ Bore Sighting Equipment</li> <li>■ Cartridge Collector</li> <li>■ Bayonet</li> </ul>		

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



M16 magazine



Plastic magazine



## The Assault Rifle For The 21st Century

- Integrated Sighting
- Ergonomic design
- Modular construction
- Cost effective
- Family of variants with maximum commonality

# SAR21

**SAR 21**  
THE ASSAULT RIFLE FOR THE 21st CENTURY



**ST Kinetics**  
A company of ST Engineering





Bullpup design



Easy to use



Highly accurate

### SAR21

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

The SAR21 is the assault rifle for such a mission. Integrated with state-of-the-art technologies, the SAR21 is the weapon of choice.

### Advanced Design

Built on a bullpup design with extensive use of high strength engineering plastics and composites, the 5.56 calibre gas-operated SAR21 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

The SAR21's integrated 1.5X Optical Scope with factory zeroing minimises the need for zeroing in the field 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 instant target acquisition. In addition, the open sight located above the optical scope provides a backup combat sight for the soldier.



### Safe

For added protection, the SAR21 has patented safety features like a high pressure vent hole at the barrel extension and a composite shield 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

The SAR21 is designed for easy stripping and cleaning. Modular in design, the weapon uses a minimal number of parts, offering logistic advantages.



Versatile



Rugged



Lightweight



Lethal



Composite shield