

# MDS-01 Squad Automatic Rifle

An automatic railgun<sup>1)</sup> created during the Second Quarter of AF 260 (YE 32) to enhance the firepower of its Light Infantry.

KWB-MDS-01a "MDS-01 SAR" Designer: [Kaiserlich F&E](#) Manufacturer: [Kaiserlich Waffenerbauer](#)  
(Suggested) Price: 6000 Credits.

## Nomenclature Information

Name: Mass Driver Squad Automatic Weapon (railgun)

Type: Electromagnetically-propelled Projectile

Model: Squad Automatic Weapon Role: Fire Suppression Length: 1,000 mm (~39 inches) Barrel Length: 600 mm (~24 inches) Mass: 6 kg (~13 lbs)

## Discharge Information

Projection/ammo type: 13mm x 39mm rifle rounds

Firing Mechanism: The trigger is a simple "complete the circuit" button that creates a connection between the rifle's [Nuclear Battery](#) and the superconductor rails in the barrel. A microchip and sensor are built into the weapon to detect signs of jamming, which will then cut the circuit automatically.

Effective Range 1500 meters

Maximum Range: 2400 meters

Muzzle Velocity: 700 meters per second (~2296 feet per second)

Rate of Fire: 1000 rounds per minute

## Ammo Description

Name: 13x39mmR.

- Magazine capacity: 300 rounds.

## Damage Rating Values

Ammunition	Damage Rating	Description
13mm Tungsten-Carbide Ball	3 PDR	Anti-Personnel Ammunition
13 x 39mm Explosive Slugs	4 PDR	High Explosive Ammunition
13 x 39mm Rubber Shot	0	Relatively non-lethal Ammunition
13 x 39mm Tungsten-Carbide Spike	4 PDR	Standard Ammunition

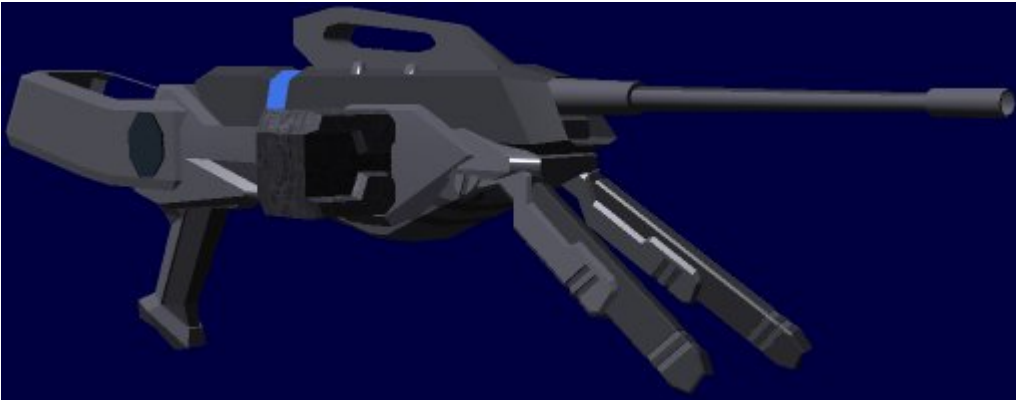
## Weapon Mechanisms

**Safety:** Located on both sides of the weapon just above the trigger, the Safety mechanism is a thumb dial that is easy to use for both right and left-handed individuals.

**Weapon Sight:** The SAR is the only weapon in the Light Infantryman's arsenal that relies totally upon the [AAF Light Infantry Armor's](#) wiring and a camera for accurate targeting. For individuals with no Light Infantry Armor, it is pretty much point and unleash everything.

**Exchangeable Barrel:** Unlike many other infantry weapons of the [Abwehran Armed Forces \(AAF\)](#), the MDS-01's barrel is prone to wearing down faster due to its incredible rate of fire. Because of this, the MDS-01's barrel can easily be exchanged for another after 2000 - 3000 rounds fired.

## Visual Description



## History

As the build up and reformation of the [Abwehran Armed Forces \(AAF\)](#) continued, an issue with Light Infantry firepower came up. While [Kaiserlich Waffenerbauer](#) had provided the Empire's soldiers with heavier firepower with their [20mm Under-slung Flechette Launcher](#) and [30mm Under-slung Grenade Launcher](#). However, there was still nothing to provide adequate fire suppression.

That changed with the development of the MDS-01 Squad Automatic Rifle during the Second Quarter of

AF 260, or [YE 32](#) for non-Abwehrans. Utilizing the widely used 13mm x 39mm rifle round in a three hundred-round box magazine, the SAR was the perfect fire suppression weapon for the Abwehran's military needs.

1)

mass driver to Abwehran

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Last update: **2023/12/21 05:25**

