

110mm Tank Cannon

The 110mm Tank Cannon is a gauss weapon designed in [YE 40](#) by [Osman Heavy Industries](#) for use by the [K-1 Bulldog/Type 41 Main Battle Tank](#).

About the 110mm Tank Cannon

The 110mm Tank Cannon was designed for use with the [K-1 Bulldog/Type 41 Main Battle Tank](#), which went through initial phases of its testing with the 133mm main gun from the [Cyclops Heavy Combat Mecha](#). However, to complicate matters, problems were initially encountered when using the lower velocity 133mm artillery weapon on a smaller vehicle.

The lower velocity shells had a hard time connecting with moving targets, and with penetrating modern armor. To combat this, the muzzle velocity was raised by using more efficient coils, and this allowed the lowering of the barrel length. Additionally, changes were made to the shell design that the gun uses to allow for a more concentrated “density” of damaging plasma.

This turned the adapted artillery weapon into an extremely effective anti-tank weapon, though it was still able to retain a part of its “splash” damage potential

Nomenclature Information

- Designer: [Osman Heavy Industries](#)
- Manufacturer: [Osman Heavy Industries](#)
- Name: 110mm Tank Cannon
- Nomenclature: OH-K1-W4100
- Type: Gauss/coil cannon
- Role: Anti-Mecha/Tank
- Length: 4 Meters
- Mass: 1800 Kilograms

Appearance

The 110mm Tank Cannon has a relatively short, barrel, which is usually covered with a geometric looking shroud. Along this shroud there are vents for the cooling the gauss coils, and at the end there is what looks like a muzzle break, but these are just more vents.

Discharge Information

- Muzzle Flash: (Describe the visible light that comes from the end of the weapon as it discharges. Include the shape of the muzzle flash as well as size and color)

- Retort: A *humming* sound as the weapon fires followed by a *FWOOSH* as the rocket motor in the HEAAP round ignites
- **Projectile/Beam Appearance:** A bright orange streak from the round's rocket motor
- Maximum Range: 11.5km ¹⁾
- Effective Range 6.5km ²⁾
- Rate of Fire: 15 rounds per minute
- Recoil: Medium, 20cm

Ammunition (Or 'Energy Source' if applicable)

- Ammunition [110mm HEAAP](#)
- **Purpose:** Tier 9 directly on point of impact, Tier 6 in a radius of 1.5 meters
- Round Capacity: Dependant upon the vehicle it is mounted on

Weapon Mechanisms

- **Firing Mechanism:** A round is loaded into the breech by the Autoloader, then the breech closes and pushes forward into the Gauss coils, at which point depending on whether or not the round is set to fire its rocket motors, it may do so. The coils must be allowed to cool as charge builds before the next shot can be fired.
- **Loading:** The cannon is normally fed by an autoloader pulling from the magazine of whatever vehicle it is mounted to, and has an automatic unjamming system. However, in the case of damage to the autoloader or a jam that cannot be fixed automatically, the cannon can be unjammed or loaded manually from within the turret.
- **Mode Selector:** Firing modes can be switched by using controls at either of the gunner's stations³⁾ or at the tank commander's station.
- **Firing Modes:** Safe and Active⁴⁾
- **Safety Mechanism:** When in safe mode, the coils power down into a standby state and if a round is inside the breech it is removed by the autoloader
- **Weapon Sight:** The tank can be aimed using sensors readouts and controls at either of the gunner's stations⁵⁾ or at the tank commander's station. In the case of a sensors failure, the cannon can be aimed using an optical sight within the turret that can be deployed manually.

Pricing

- **110mm Tank Cannon:** 10,000KS

Replaceable Parts and Components

- **Autoloader:** 2,000KS
- **Gauss coils:** 3,000KS
- **Barrel assembly:** 3,000KS

Ammunition

110mm HEAAP Round Price Quickchart ⁶⁾	
Quantity	Price
100	3,900 KS
500	15,000 KS
2000	55,000 KS

OOC Notes

[Alex Hart](#) created this article on 2019/02/03 11:22.

Approved by [Ametheliana](#) on 2019/02/12

Products & Items Database	
Product Categories	weapons: vehicle mounted
Product Name	110mm Tank Cannon
Nomenclature	OH-K1-W4100
Manufacturer	Osman Heavy Industries
Year Released	YE 41
Price (KS)	10,000.00 KS
DR v3 max	Tier 9
Mass (kg)	1,800 kg
Star Army Logistics	
Supply Classification	Class F - SYSTEMS WEAPONS ASSEMBLY MAJOR

¹⁾ ²⁾

In atmosphere

³⁾ ⁵⁾

either in the turret or in the armored crew capsule

⁴⁾

ready to fire

⁶⁾

Remember to buy in bulk

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