

Casebreaker 80mm Cannon

The Casebreaker is an 80 mm beyond-line-of-sight cannon designed in [ye 32](#) by NAM for ground engagements, it features primarily on the K4 series of tanks and its derivatives.



Statistical Information

- **Organization:** [SMDIoN](#)
- **Designer:** [NAM](#)
- **Manufacturer:** [NAM](#)
- **Nomenclature:** Na-K4-W3200
- **Type:** Tank Cannon
- **Class:** Railgun
- **Effective Range** 4000m
- **Max Range:** 6000m
- **Damage:** Ammunition based
- **RoF:** 6~18 rounds per minute at normal settings
- **Muzzle Flash:** None
- **Retort:** Loud whump
- **Recoil:** Moderate for the K4
- **Length:** 2.25m (88in) barrel
- **Weight:** 800kg (1763lbs)

Description

Usually mounted with an auto-loader, this weapon uses electricity from the vehicle it's mounted on to fire, building its charge inside two capacitors, one for each rail. When a shell is loaded and the full charge replenished the gun is ready to fire again. For any reasonable contemporary power supply the charge time should be negligible when matched with the shell reloading time. The barrel of the gun accelerates the rounds inside of it using intense electromagnetic forces. Though the gun itself makes very little noise the sound of the round breaking the sound barrier creates a sharp crack every time the weapon is fired.

To reach longer ranges the gun requires a long charge time to power the short magnetic rails to dangerous levels. Rate of fire is limited more by excessive heat at higher settings than charge time, as the rails glow red hot trying to cool down. An automatic cut-off prevents the gun exploding.



A common computer aided tank shell

Ammunition

The cannon fires specialized shells often equipped with their own internal stabilization systems, optical sensors, computers, and fins. Shells equipped with such systems are able to partially adjust their terminal ballistics towards the target without the gunners direction. All ammo types are set at [80mm rounds](#), but SABOT rounds exist that discard the outside of the shell to reveal a much smaller projectile.

For a full list, see: [80mm_munitions](#)

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