

HEC Projectiles

Built by the [Frontier Manufacturing Service](#) for the Recoilless Graviton [Cannon](#) and [Howitzer](#) at the beginning of [YE 41](#) the HEC series is straight to the point. High Explosive, Conventional projectiles for the express purpose of ranged bombardment. These literal bombs are designed with a plastic explosive that is remarkably similar to [T31PE](#) but with a chemical makeup that undergoes a radical change when subjected to the intense graviton fields of FMS graviton weapons. After firing, the explosive material is becomes incredibly unstable and will violently explode upon collision.

Price:

- 50mm: 40 KS per round
- 150mm: 100 KS per round

History of the HEC Projectile

Developed for the [Recoilless Graviton Howitzer](#) at the beginning of [YE 41](#) FMS made sure to build a smaller version for its [50mm predecessor](#). Expecting the potential of invasion from the ever looming threat of the local [NMX](#) the [Frontier Service Corporation](#) wanted a weapon that operated on the principle of delivering raw firepower to large areas at long range. A mighty and portable weapon, this munition would be largely stockpiled for the day of their inevitable confrontation.

General Information

The following data is for the 50mm HEC Projectile:

Nomenclature	Fs-W1-W4200c					
Alt. Nomenclature	DR1	DR 2	DR 3	DR 4	DR 5	DR 6
By Damage Rating	8 HEC	10 HEC	13 HEC	8 Long HEC	10 Long HEC	13 Long HEC
Manufacturer	Frontier Manufacturing Service					
Fielded by	Frontier Service Corporation					
Availability	Mass Production					
Price Per Round	DR1	DR 2	DR 3	DR 4	DR 5	DR 6
By Damage Rating	0.50 KS	1.00 KS	1.50 KS	2.00 KS	2.50 KS	3.00 KS

The following data is for the 50mm HEC Projectile:

Nomenclature	Fs-YV1-Z3901c
Alt. Nomenclature	50 HEC
Manufacturer	Frontier Manufacturing Service
Fielded by	Frontier Service Corporation

Availability	Mass Production
Price	40 KS

The following data is for the 150mm HEC Projectile:

Nomenclature	Fs-YM2-Z4100c
Alt. Nomenclature	150 HEC
Manufacturer	Frontier Manufacturing Service
Fielded by	Frontier Service Corporation
Availability	Mass Production
Price	100 KS

Ammunition Stats

A metallic cylinder with a conical tip contains the mass of plastic explosive within. Munitions range from pistols to cannons.

Damage Rating	Tier 1
Blast Radius	15 centimeters
Caliber	8 mm
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 2
Blast Radius	40 centimeters
Caliber	10 mm
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 3
Blast Radius	80 centimeters
Caliber	13 mm
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 4
Blast Radius	110 centimeters

Caliber	8 mm Long ¹⁾
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 5
Blast Radius	140 centimeters
Caliber	10 mm Long
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 6
Blast Radius	200 centimeters
Caliber	13 mm
Damage Description	Explosive
Effective Range(Atmosphere)	Dependent on weapon
Muzzle Velocity	.4C
Recoil	Light
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 9
Blast Radius	30 meter
Caliber	50 mm
Damage Description	Explosive
Effective Range(Atmosphere)	+/-10 Kilometers
Effective Range(Space)	+/-500,000 Kilometers
Muzzle Velocity	.4C
Muzzle Blast	30 meters
Recoil	Moderate
Energy Source	Gravitic pulse, electricity
Damage Rating	Tier 10
Blast Radius	100 meter
Caliber	150 mm
Damage Description	Explosive
Effective Range(Atmosphere)	+/-50 Kilometers
Effective Range(Space)	+/-1,000,000 Kilometers
Muzzle Velocity	.4C
Muzzle Blast	100 meters
Recoil	Heavy
Energy Source	Gravitic pulse, electricity

OOC Notes

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Products & Items Database	
Product Categories	weapons: ammunition
Product Name	High Explosive, Conventional Projectile
Nomenclature	Fs-YV1-Z3901c, Fs-YM2-Z4100c
Manufacturer	Frontier Manufacturing Service
Year Released	YE 41
Price (KS)	100.00 KS
DR v3 max	Tier 10

¹⁾

Projectile is double the standard length

²⁾

<https://stararmy.com/roleplay-forum/threads/cordoba-combat-mecha.70960/#post-441289>

³⁾

<https://stararmy.com/roleplay-forum/threads/pgp-weapons-system.71024/#post-441906>

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