Storm Rifle Flechette

More about Storm Rifle Flachette

The flechettes used by the S6-HAR1 and BW-HAR1-A series assault rifles is simple in construction, 33 mm long and six millimeters wide unfired, it is a discarding sabot of aluminum that releases a microfin stabilized, heat shield tipped flechette designed to generate reentry plasma as it passes through standard atmosphere. This will allow safe, controlled disintigration of the rounds after the hard cap of 1200 meters.

The round impacts the target and penetrates before beginning to tumble and shattering, the kinetic energy being reduced to zero by the flesh of a human sized soft target with the armor penetration capability to punch through medium grade plate style body armor. This is a devastating round for antiperssonel use on its own, as the needle is designed to reduce itself to a fine powder inside the target and dump all of its kinetic energy in the impact.

The rounds are produced by Selective_laser_melting a large batch of 4.5x30mm tungsten/aluminum darts that are then cleaned and sharpened using a rolling apparatus and a sanding belt, before being packed into a .5mm aluminum sleeve with a 3mm end cap before being machine loaded into magazines of 800 rounds.

Each laser sinter mill can produce about 6500 rounds with 100 rounds failing quality control.

Stats

- Damage Rating: Tier 2: [1]

- Shell Size: 5×33 mm discarding sabot

- Caliber: 5mm

- Damage Description: penetrative damage followed by plasma burns and hydrostatic shock

- Effective Range: 1200 yards before disintegrating

- Muzzle Velocity: Mach 8

- Muzzle Blast: Flash of white plasma approximately four feet long

- Recoil: 65lb dampened by the weapon to 3-4 lb

- Energy Source: Rail type weapons grant the high velocity. Aerodynamic forces generate the plasma shell.

OOC Notes

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[1)](#)

Best use against body armor and light personal barriers

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