

Galactic Horizon 7.8x74mm Magnum

In YE 42 [Galactic Horizon](#) began looking into re-designing and updating the 7.8x74mm Magnum rounds used by the [Nepleslian Space Marine Corps](#), both due to the company being used to working with [somewhat similarly sized calibers](#) and as a show of good faith given their new closeness to [Democratic Imperium of Nepleslia](#).

[Galactic Horizon](#) manufacture a steady supply of these revised 7.8x74mm Magnum rounds for the [Nepleslian Space Marine Corps](#), as part of their new military contract to provide [Marine Snipers](#) with high-quality rifles and ammo that will hit their mark every time.

Each 7.8x74mm Magnum round that [Galactic Horizon](#) produces makes use of an anodized steel base and brass that has been given a black-oxide coating for improved performance as well as a high degree of immunity to tarnishing in less than ideal environments.

Galactic Horizon 7.8x74mm Hydra Magnum

Galactic Horizon 7.8x74mm Hydra Magnum projectiles are available in 120-200 grain loads as needed and are designed to inflict massive trauma on fleshy targets. It is rather similar to a [monolithic-styled](#) hollow point in the sense that the majority of the projectile is a dense, heat-treated and purposefully scored copper-beryllium alloy slug though additionally it features a frangible steel tip. Its rather brutal expansion method has quite a reputation for reducing large chunks of flesh into red stains, with the frangible steel tip allowing it to penetrate armour to some degree as the copper alloy slug opens up into a devastating six-pronged piece of shrapnel.

- Damage Rating: Tier 3, Heavy Anti-Personnel
- Size: 7.80x74mm
- Caliber: 7.80x74mm Magnum
- Damage Description: Uses a frangible tip and rapidly expanding slug to devastate fleshy targets, capable of reducing a victim's head to red slurry.
- Effective Range: ~1,000 to ~1,500 meters/~1,093 to ~1,840 yards depending on grain¹⁾.
- Muzzle Velocity: 3,500 to 4,000 fps²⁾
- Muzzle Blast: A large, loud explosion of gasses out the barrel's end with each shot taken.
- Recoil: Rather Heavy.
- Energy Source: Chemical Projectile Propulsion.

Galactic Horizon 7.8x74mm Strix Magnum

Galactic Horizon 7.8x74mm Strix Magnum rounds are heavy subsonic projectiles designed to be used covertly with a suppressor at long-ranges when that is more favourable than taking out the target up-close. It is comprised of a hardened [Skusten](#) penetrator seated inside a particularly heavy-cast, brass jacketed, lead core. It is a very dense projectile designed to maintain the same killing potential at a subsonic speed. While the cartridge's external dimensions remain the same its projectile itself extends

further back into the casing as a form of partial  [telescoping](#), allowing a larger and heavier bullet to be used.

The design's origins can be traced back to [Remy Belmont](#), who made a nice sum of money selling it to [Galactic Horizon](#).

- Damage Rating: Tier 3, Heavy Anti-Personnel
- Size: 7.80x74mm
- Caliber: 7.80x74mm Magnum
- Damage Description: Similar performance to the standard 7.8x74mm ammunition, though with greater stopping-power.
- Effective Range: 1,500 meters, 1640 yards
- Muzzle Velocity: 1,050 fps
- Muzzle Blast: A large, loud explosion of gasses out the barrel's end with each shot taken.
- Recoil: Heavy
- Energy Source: Chemical Projectile Propulsion.

Galactic Horizon 7.8x74mm Wolfram Magnum

Galactic Horizon 7.8x74mm Wolfram Magnum projectiles make use of an intimidating 6mm tungsten-carbide penetrator beneath a thin jacket of lightweight [Durandium Alloy](#), the surface of which is covered in various notches and divots designed for improved aerodynamics and accuracy to ensure it delivers on the promise of hitting exactly where you need it to, even at extreme ranges. It is loaded with particularly high-pressure propellant that'd likely split the barrel of an unreinforced [Designated Sharpshooter Rifle, Model 1](#).

- Damage Rating: Tier 4, Light Anti-Armour
- Size: 7.80x74mm
- Caliber: 7.80x74mm Magnum
- Damage Description: Punches relatively neat and tidy holes through both cover and fleshy targets alike with minimal tumbling.
- Effective Range: 2,500 meters/2,734 yards
- Muzzle Velocity: 5,000 fps
- Muzzle Blast: A large, loud explosion of gasses out the barrel's end with each shot taken.
- Recoil: Heavy, bound to bruise the shooter's shoulder without a thick enough recoil pad.
- Energy Source: Chemical Projectile Propulsion.

Galactic Horizon 7.8x74mm Ratel Magnum

Galactic Horizon 7.8x74mm Ratel Magnum rounds are an anti-materiel round designed to take out infrastructure and armoured targets from a distance, the exact explosive compound used is based heavily off the [20mm Gjallahorn Rocket Shell](#) though has been modified to maintain the same level of potency in a smaller form-factor. It is composed of a copper-beryllium alloy jacket, the front-end of which is a hardened steel tip that contains an incendiary mix while the rest of the projectile is packed with the

previously mentioned explosive compound.

It has an arming distance of 5 meters.

- Damage Rating: Tier 4, Light Anti-Armour
- Size: 7.80x74mm
- Caliber: 7.80x74mm Magnum
- Damage Description: A highly-concussive explosion with the radius of a large beach-ball.
- Effective Range: 1,250 meters
- Muzzle Velocity: 1,100 fps
- Muzzle Blast: A large, loud explosion of gasses out the barrel's end with each shot taken.
- Recoil: Heavy
- Energy Source: Chemical Projectile Propulsion.

OOC Notes

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1)

higher grain projectiles carry more energy but begin to drop quicker

2)

lower grain bullets travel faster

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