L-24 Explosive

An explosive created for use both in demolitions and the military, it was designed in ER 222 and made available that same year.

Details

L-24, or Lex'shen'tra 24, are a type of explosives designed by the Neshaten for use in building demolitions. Because of how earthquake prone Nesha Prime is, averaging twenty or twenty five quakes a day ranging in various magnitudes, their structures were designed with a heavy emphasis on reinforcements. This is one of the reasons why, when the Neshaten wanted to clear out outdated buildings, it would usually take them many seasons to do so because they could never find the right formula for blasting through the reinforcements and the explosives they do have didn't have the explosive potential to work.

That all changed in ER 222 when a group of military scientists discovered a formula that not only resulted in a large bang, but also created enough of an explosive force to shatter the reinforced steel columns they use in their buildings.

Lex'shen'tra is the name of the chemical used in the blasting process; it is mined from various caves located on Nesha Prime but also from their asteroid belts. The material has a reddish color with a rough texture to it, it retains this color even after processing, which helps identify the explosive easily when placed.

It can be shaped into small areas for blasting, but the issue with L-24 is that it's fragile. When combined with water, forms a paste that can be smeared across a surface, however they reduces it's explosive potential, but does make it easier to 'sever' stuff in half as the explosive force will be directed toward the center of an object. Alternatively, it can be molded into a form of a shaped charge, or created into small bars for other uses.

L-24 has an estimated explosive velocity of nearly eight thousand one hundred and seventy eight meters a second.

Drawbacks

L-24 has its drawbacks that the Neshaten haven't been able to resolve, the first being that it's susceptible to heat and shockwaves and has to be stored in a safe and secure location. Any contact with heat or shockwaves may cause a premature detonation.

The other issue is that if it's dropped from more than two feet, it'll also explode upon impact. This is why all soldiers carry these explosives in shock-resistant cases or pouches, but even those aren't safe. In short, the explosives need to be handled with the utmost care.

> ⚠️
> ⚠️ Handle with care, always store in shock-resistant cases, DO NOT MISHANDLE OR DROP!

Transportation

L-24 is transported in shock-resistant cases, each case has twenty explosives bars packed with shock plates inbetween each explosive.

Explosive Types

L-24-A

L-24-A is the demolitions type explosive used by civilian demolition companies for clearing out old out of date buildings, most of the A series is created to be shaped charges. It is also used by military forces for clearing out military fabricated structures.

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L-24-B

The B-series of the L-24 explosive is a shaped bar used to blow holes in walls or create craters. Most bars are designed with an adhesive tape on the back that allows it to be stuck to the side of a surface, ideal for attaching to enemy vehicles or to set up a trap. One case holds five bars.

Type	Damage
1 Bar	Tier 3, Heavy Anti-Personnel
2 Bars	Tier 4, Light Anti-Armor
3 Bars	Tier 5 or Tier 6, Medium Anti-Armor or Heavy Anti-Armor (🔧 Fix Me!: Staff needs to determine which)
One Case	Tier 8 or Tier 9, Medium Anti-Mecha or Heavy Anti-Mecha (🔧 Fix Me!: Staff needs to determine which)

L-24-P

The P-series refers to the L-24 being in the paste form, which is done by combining it with water. This type of an explosive works in similar fashion to thermite. The largest that the paste can be spread is four feet by four feet, although it could potentially be spread thinner. However, the actual size, width and length are up to the person actually placing the explosive.

Size	Damage
1×1	Tier 1, Light Anti-Personnel
2×2	Tier 1, Light Anti-Personnel
3×3	Tier 2, Medium Anti-Personnel
4×4	Tier 2, Medium Anti-Personnel

Detonators

L-24 can be detonated using several times of methods, one being remote detonation, another being shock detonation, and the last being by using a detonation-cord.

L-24 Remote Detonators

The L-24 Remote Detonators are thin tubes that are inserted into the explosive once it's set, there is a receiver located on one end with the igniter located on the opposite side. It is designed to remotely detonate and can be paired with det cord.

The detonar has only two different LED's that help determine it's status:

Color	Meaning
Green	Armed
Yellow	Malfunction

L-24 Detonation Cord

A thin line of wire that can be run across the ground to a series of L-24 explosives for synchronized detonation.

L-24 Shock detonator

A shock detonator is a type of detonator that can be placed in the center of a group of L-24 explosives; it's got a shockwave range of ten feet and can detonate any explosives located in that range. It's the most used detonate by military forces.