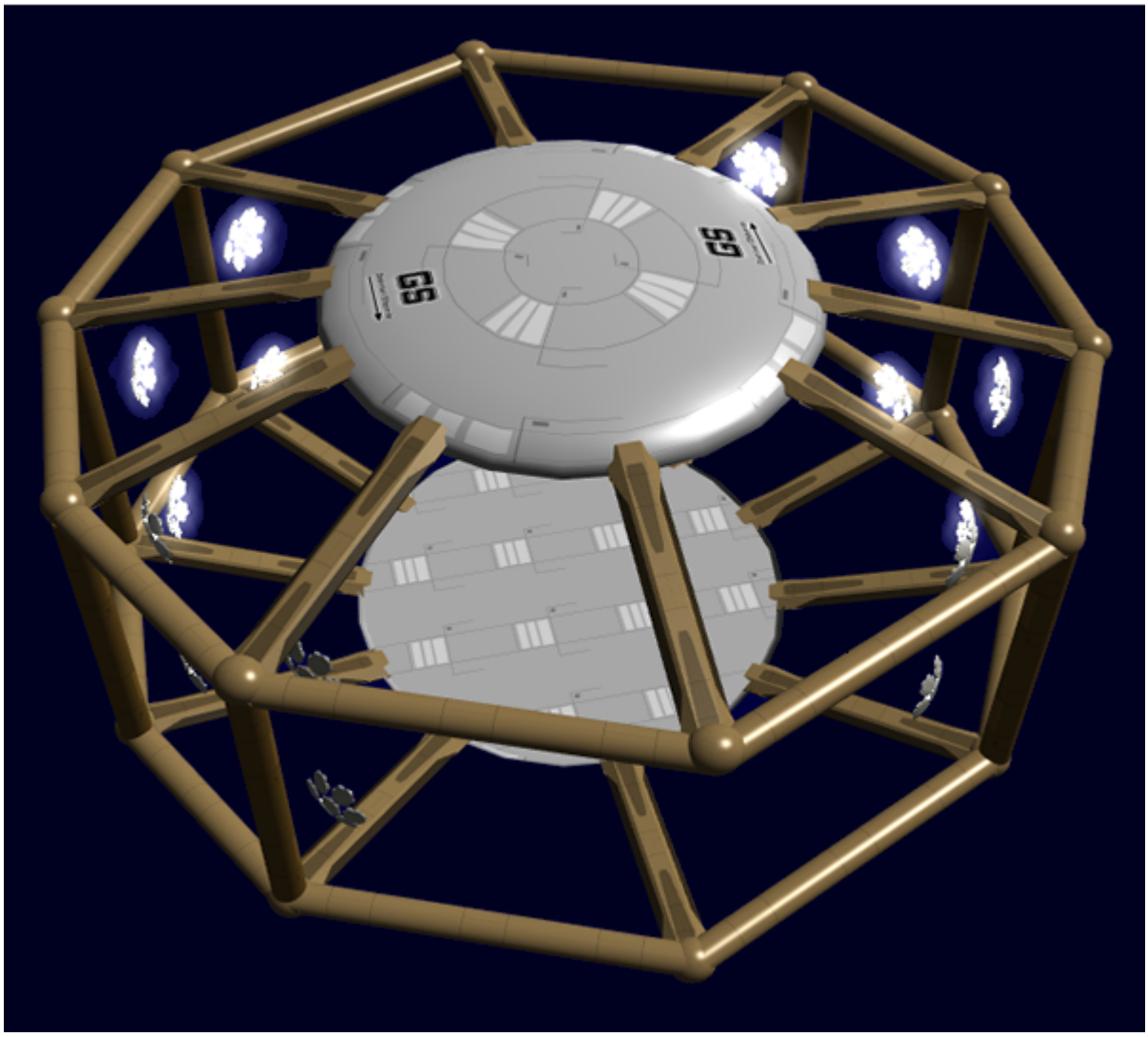
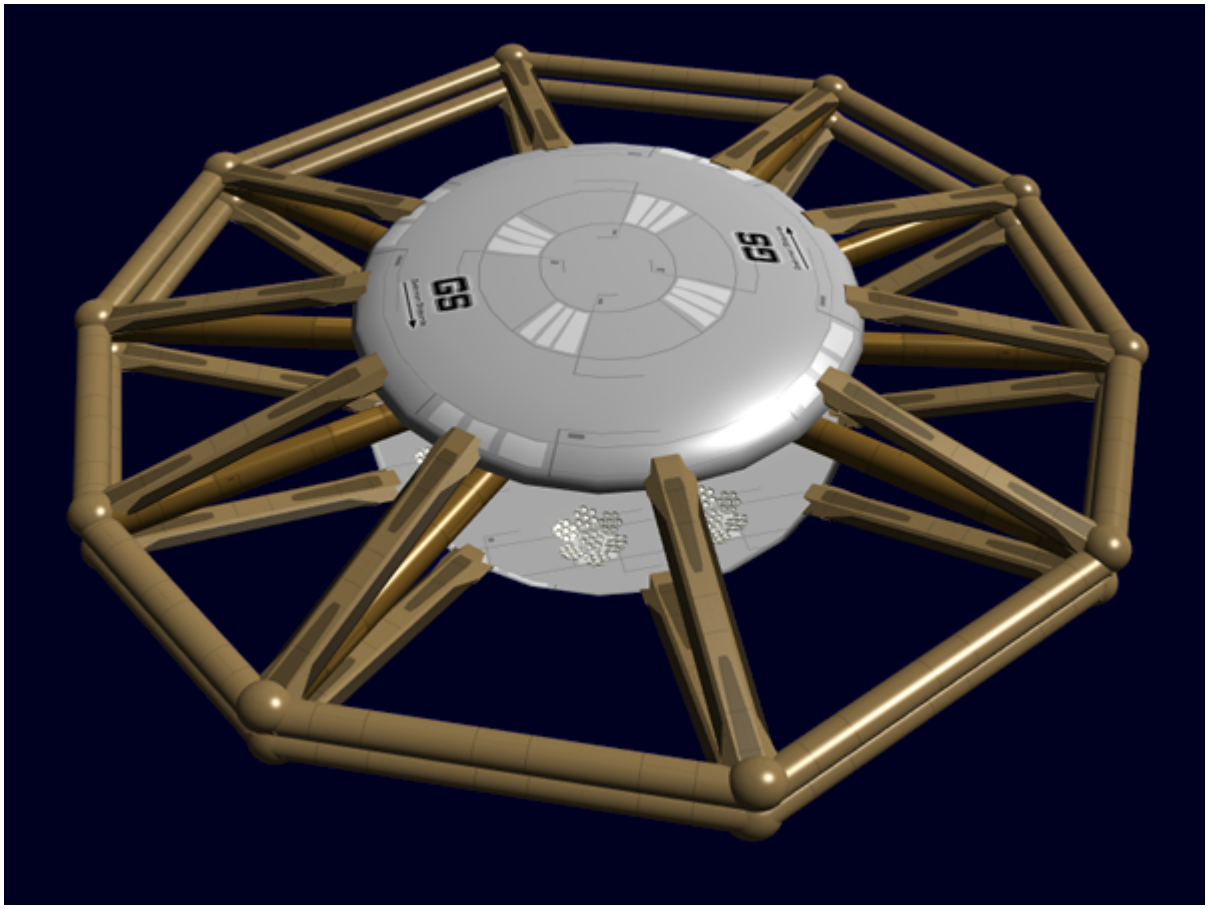
Ge-H3-1a - Sanza-Class Shipyard

The Sanza-Class Shipyard is Geshrinari Shipyards replacement for their orbital shipyards. It became available in YE 33.

About the Sanza-Class

The Sanza-Class is Geshrinari Shipyards newest space construction facility. It is designed to offer a flexible and safe environment. For construction of vessels that are too large to fit within the Sanza, multiple yards can link up or serve as construction areas for modules which are then moved into position. The shipyard gets its name from the look of the upper and lower arrays. Sanza means silkworm basket in Yamataian, which the arrays bear a resemblance to. The Sanza are mobile, typical in system movement is slow usually to move to a new orbit or closer to one of the space dock or other controlling facility. The Sanza have a limited FTL capability. For this to be used the Sanza must be collapsed and all other operations terminated prior to departure. If the Sanza is going to work on a vessel that is too wide to fit inside the Sanza, then the arrays can be separated and the work continues between them.





The Sanza is equipped with facilities for the crew and workforce. They are intended for use when off station facilities are not readily available.

The Sanza has large fabrication areas in the upper array. They are used to produce components to be installed in the ships in the berth.

History

Many of Geshrinari Shipyards space based shipyards were constructed back in the early days of the company. Most were near or past their expected service life. At the start of YE 33 with Geshrinari Shipyards planning to revitalize their product line; they began a design effort to overhaul and replace their aging space shipyards. They wanted something that was mobile, and modular that could accommodate large and small designs. After several months they developed the Sanza-Class and started working on production.

Appearance

The Sanza Shipyard resembles are pair of large baskets attached to each other. The two 'arrays' are physically identical. But with internal differences. At the heart of each array is the core, which is painted grey and features the shipyards logo. There are four large shuttle bays visible on the top. The structural armatures are a copper brown.

Operating Mode

When the shipyard is active, there are sixteen Ge-H3-M3300 - Lighting Array which can be seen clearly in the berth, usually near whatever project(s) are currently in work.

Secured Mode

When the shipyard is inactive it goes into Secured mode. The Ge-H3-M3300 - Lighting Array are stowed on the lower array. The eight booms that belong to the upper array are stored inward and the lower array attached at the junctions.

Statistical Data

General

Organization: Geshrinari Shipyards Type: Sanza-Class Class: Shipyard Nomenclature: Ge-H3-1a Designer: Tamahagane Corporation R&D Manufacturer: Geshrinari Shipyards **Price:** 5,000,000 KS

Crew and Accommodations

Crew: 75 **Workforce:** 250 max Maximum Capacity: There are accommodations for 325 personnel **Emergency Capacity:** 750 people can fit aboard in an emergency, but the shipyard would be extremely cramped.

Dimensions

Length: 510 meters (feet) Width: 490 meters (feet) Height: 252 meters (feet) (Operating) Height: 108 meters (feet) (Secured) Decks: 8 (4 meters each) Note: 4 per array

Propulsion and Range

Speeds

- **Sublight Engines:** .1c (~29,979 kilometers per second) .1c (~18,628 miles per second)
- **Hyperspace Drive:** 195,192c (0.2 ly/m)

Durability and Maintenance

Service Lifespan: Estimated 20 years of constant use, possibly longer with refits.

Refit Cycle: Frequent minor updates through the Geshrinari Shipyards system and a refit once every four to five years.

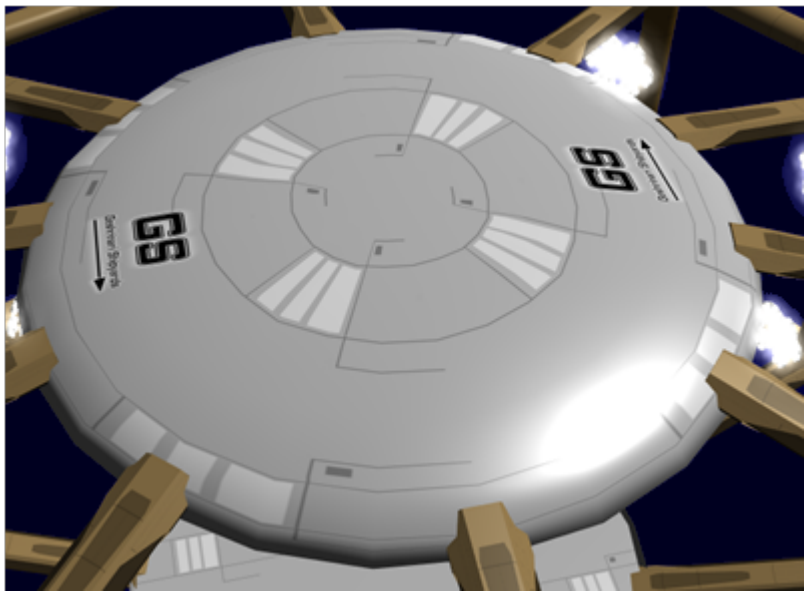
Damage Capacity

See Damage Rating (Version 3) for an explanation of the damage system.

Hull: 50 Shields: 50 (Threshold 4)

Inside the Sanza

Most of the Sanza-Class is open space for the construction berth. There are two cores, at their widest they are 239.8 meters, and they are both 18 meters high.



Core (Crew)

The upper two decks are divided into four large Shuttle Bays, used by shuttles to transport personnel, and materials to the shipyard.

- Large Bridge
- Computer Room
- Yard Control Room

Living Spaces

- 10 Senior Staff Quarters
- 32 Crew Quarters
- 8 Common bath
- 8 Common toilet
- 4 Laundry room
- 2 Lounges
- 1 Fitness
- Medical Bay
- Dining Room
    - Galley
    - Scullery

Engineering

- Engineering
- Life Support
- Fabrication Area
- Geshrinari Damage Control Station
- Maintenance Conduit

Movement

- Geshrinari Corridors are used for horizontal movement.
- Large staircases are used for vertical movement of personnel.
- There are a number of lifts for moving material and equipment.

Yard Control Room

While the bridge controls the shipyard the Yard Control Room is responsible for the activity within the berth. There are clusters of consoles to allow individuals to coordinate their duties.

In the center of the room is a volumetric display which recreates all activities in the berth.

Traffic Control

Responsible for monitoring shuttle and work pod movement. Zones are external, bays and berth. They ensure that all traffic in the area is safe.

Logistics

Logistics is charged with making sure that materials and components are on hand to keep production moving smoothly. They are responsible for tracking pieces produced in the shipyard, and requisitioning items from other facilities.

Production

Oversees the actual construction. They coordinate teams, schedule work items, and inspections. They also coordinate shift turnover so production is minimally impacted.

Oversight

This is where the Yard Chief sits. From here they can monitor any aspect of construction.

Core (Workforce)

This array is predominately dedicated to the needs of the Shipyard Workforce. The facilities are only used when the shipyard is operating with out local facilities.

The bottom two decks are divided into four large Shuttle Bays, shuttles transport personnel, and materials to the shipyard.

- Compact Bridge
- Computer Room

Living Spaces

- 10 Senior Staff Quarters
- 120 Crew Quarters
- 30 Common bath (8 Person)
- 30 Common toilet (8 Person)
- 8 Laundry room
- 4 Lounges
- 3 Fitness
- Expanded Medical Bay
- 2 Large Dining Rooms
    - Galley
    - Scullery

Engineering

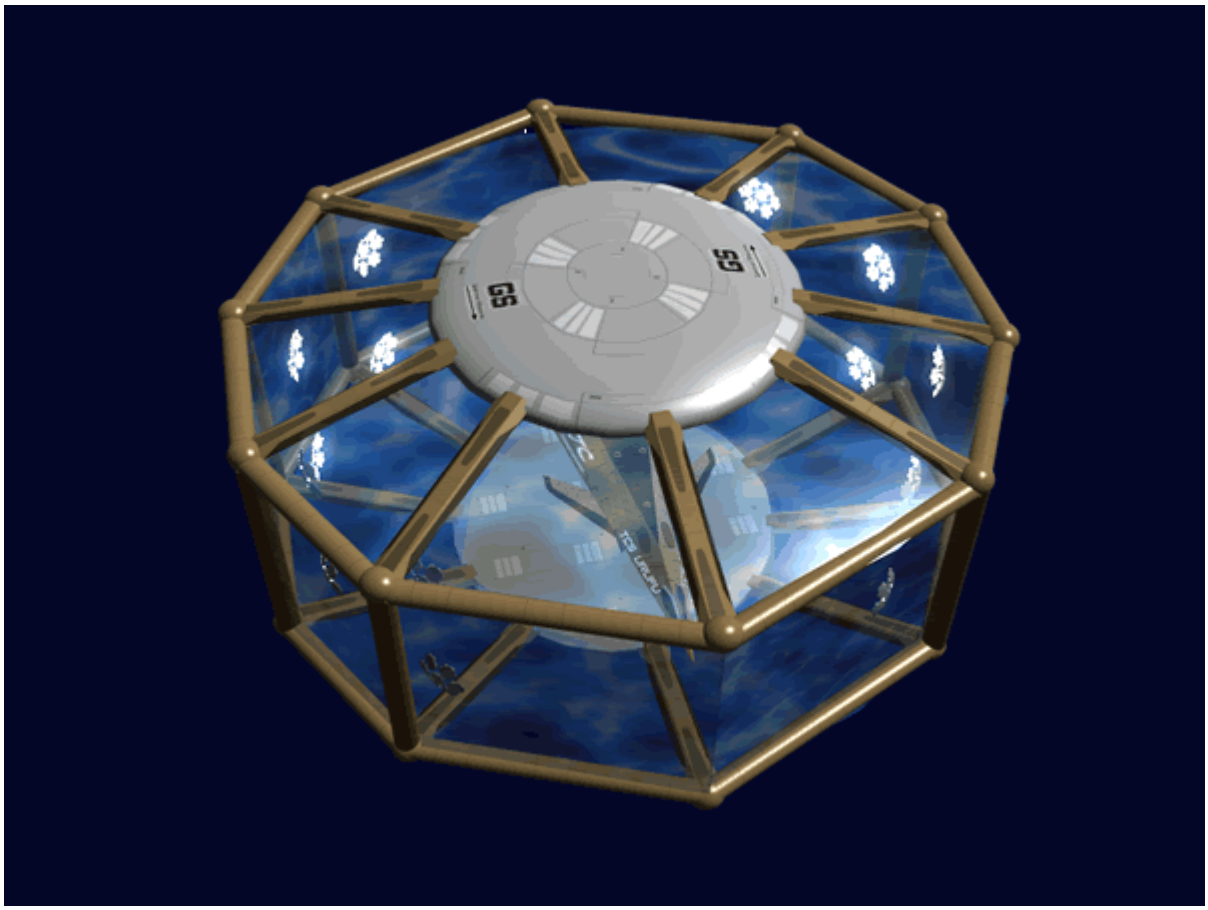
- Engineering
- Life Support
- Geshrinari Damage Control Station
- Maintenance Conduit

Movement

- Geshrinari Corridors are used for horizontal movement.
- Large staircases are used for vertical movement of personnel.
- There are a number of lifts for moving material and equipment.

Berth

The berth has two openings that are 350 meters wide and 144 meters high. This is limits the size ship that can be worked on with the arrays connected.



Booms

The vertical booms are 144 meters long, they are attached to the upper array and can rotate ninety-degrees inward to stow them. The booms are mostly structure. There are passages for performing maintenance. The booms are a zero-gravity environment since they are not intended for personnel to be in them except for servicing. The booms are equipped with emitters for the shield system. There is one airlock docking point for Ge-T3-1a - Raba-Class Work-Pod to dock located in the middle on the inside.

Armatures

The armatures come in two styles the lateral ones that radiate from the core, and the ones that ring the ship yard. Like the booms they are mostly structural, although they do have life support. They feature airlocks where the Ge-T3-1a - Raba-Class Work-Pod can dock. There are view ports at regular intervals which as allow personnel to observe the operation of the berth without having to be in a space suit. They are six meters tall approximately 8 meters wide and only have one deck. In the ring there is an impact absorbing non-skid track that runs along the outer side of the corridor that personnel can use for jogging.

Systems

Ge-Y2-E3300 Hogosha Quantum Computer System

The Sanza is equipped with a pair of Ge-Y2-E3300 - Hogosha Quantum Computer System to handle all computer needs for the shipyard. It has a Geshrinari Psionic Signal Controller installed.

Ge-H3-E3300 STATCOM System

The Sanza is equipped with Geshrinari Shipyards's Ge-H3-E3300 - STATCOM Network (Civilian)

Emergency Systems

The Sanza is equipped with the following emergency systems

- Emergency shutters.
- Automatic Fire Suppression System
- Damage Control Stations
- 55 Ge-X3300 - Type 33 Escape Pods
- Chemical extinguishers - These are present for manual use on electrical and metal fires.

Ge-Y2-E3302 Communications

The Sanza is equipped with two Ge-Y2-E3302 - Communications Suite one on each array.

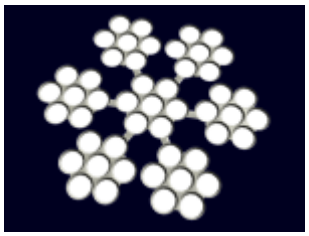
Ge-H3-V3300 Life Support

The Sanza uses a extensive life support system. It is essentially a large scale version of the Ge-Y1-V3100 - Life Support System.

Ge-H3-M3300 Lighting Arrays

The Sanza is equipped with sixteen large mobile lighting arrays. These are intended to provide continuous illumination during construction. Especially useful for orbiting facilities which pass behind a planet, or a deep space installation without sufficient solar illumination. The lighting arrays are controlled by the construction control center. When the light arrays are not in service in the berth, they are either stowed on the lower array or dock on the vertical booms.

Details on the Ge-H3-M3300 - Lighting Array.



Ge-Y2-E3301 - Standard Starship Sensors

The Sanza is equipped with a Ge-Y2-E3301 - Standard Starship Sensors.

Power

Ge-H3-G3301 Aether Generator

The Sanza is equipped with two Geshrinari Aether Generator for primary power.

Ge-He-G3302 Fusion Generator

The Sanza is equipped with four Geshrinari Fusion Generator for secondary power. The reactors have enough fuel to operate for seventy-two hours.

Ge-H3-P3300 Hyperspace Fold Engine

The Sanza is equipped with a Geshrinari Hyperspace Fold Drive. It is used for moving the shipyard long distances within a star system or to a different star system. The engine can only be operated when the shipyard is in secured mode.

Ge-H3-P3301 Maneuvering Thrusters

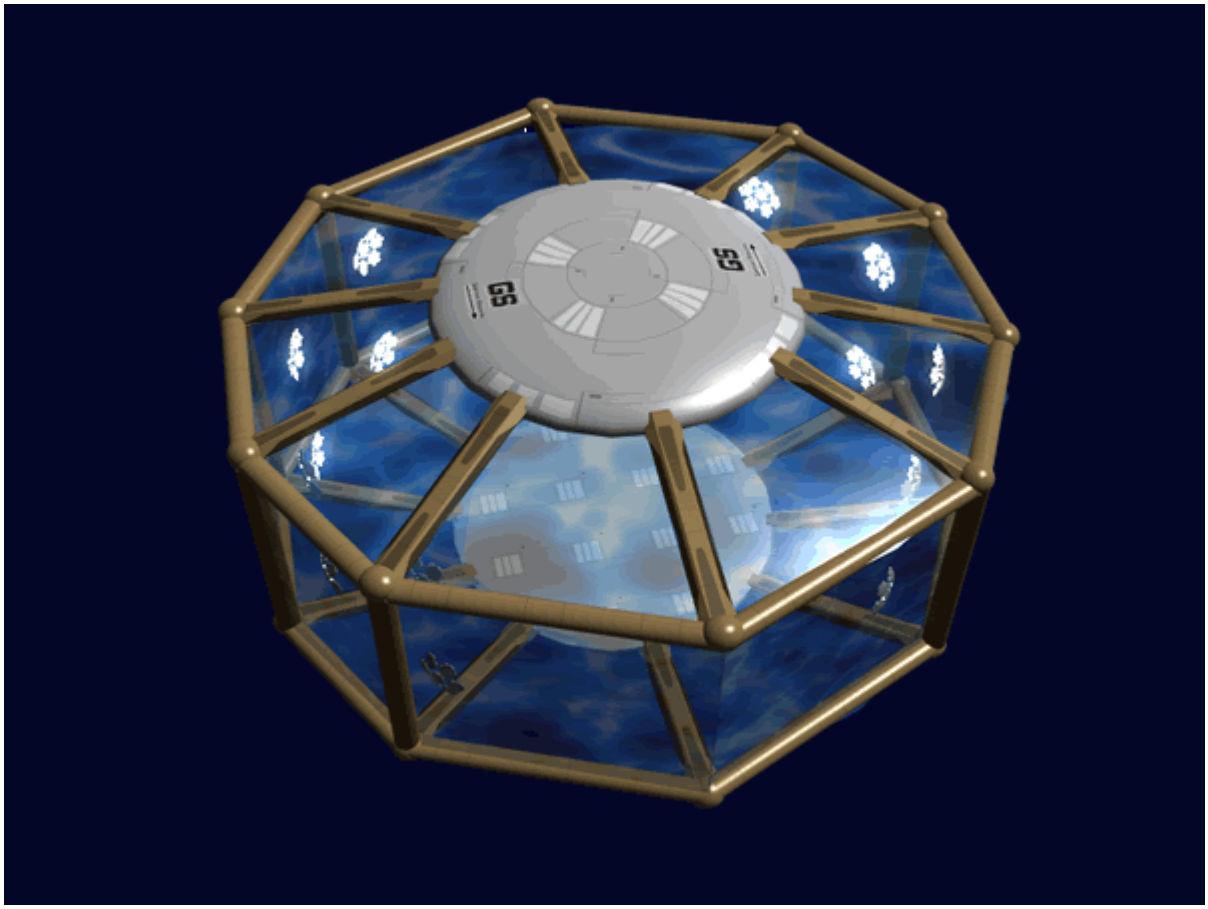
The Sanza is equipped with forty pairs of Geshrinari Maneuvering Thrusters they are used for making orbital changes or station keeping.

Ge-H3-P3302 Plasma Drives

The Sanza is equipepd with a sixteen Geshrinari Turbo Plasma Drive for in system travel.

Ge-H3-S3300 Shields

The Sanza is equipped with a Geshrinari Combined Field System for shielding. The shields are operated at various intensities and are one of the safety features for this shipyard. The shields have three standard operating levels. However if the berth is working with the arrays separated, then only the ten section connected to the core can deploy shields.

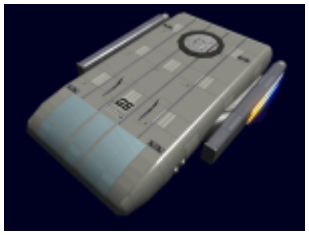


Shield Level	
Level	**Description**
1	This level is used when personnel are working in the yard in space suits. The shields are tuned to stop slow moving debris and micro-meteors. Also at this level if a worker should drift away from the craft under construction the barrier will keep them within the shipyard. Utility craft and supply ships can push through the barrier.
2	This level allows the workspace to be pressurized. Useful for when the workers need to perform fine work that spacesuits could possibly interfere with. They are also used during the painting phase of construction.
3	This level is used when shipyard itself is in danger, the shield is projected outside of the shipyard and works as a typical protective barrier.

Vehicle Compliment

The Sanza operates with the following support craft:

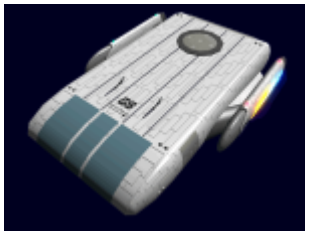
- 10 Ge-T1-1A - Transatmospheric Shuttle



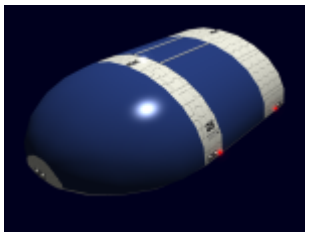
- 40 Ge-T3-1a - Raba-Class Work-Pod



- 10 Ge-T1-2a - Hikiuma-Class Shuttle



- 20 Ge-T5-1a Cho-Class Shuttle



OOC Notes

- Artwork by Nashoba.

Products & Items Database	
Product Categories	space stations
Product Name	Sanza-Class Shipyard
Nomenclature	Ge-H3-1A
Manufacturer	Geshrinari Shipyards
Year Released	YE 33
Price (KS)	5 ,000 ,000.00 KS

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