




# CATALOGUE

HDPE SQUARE CAGE SYSTEM

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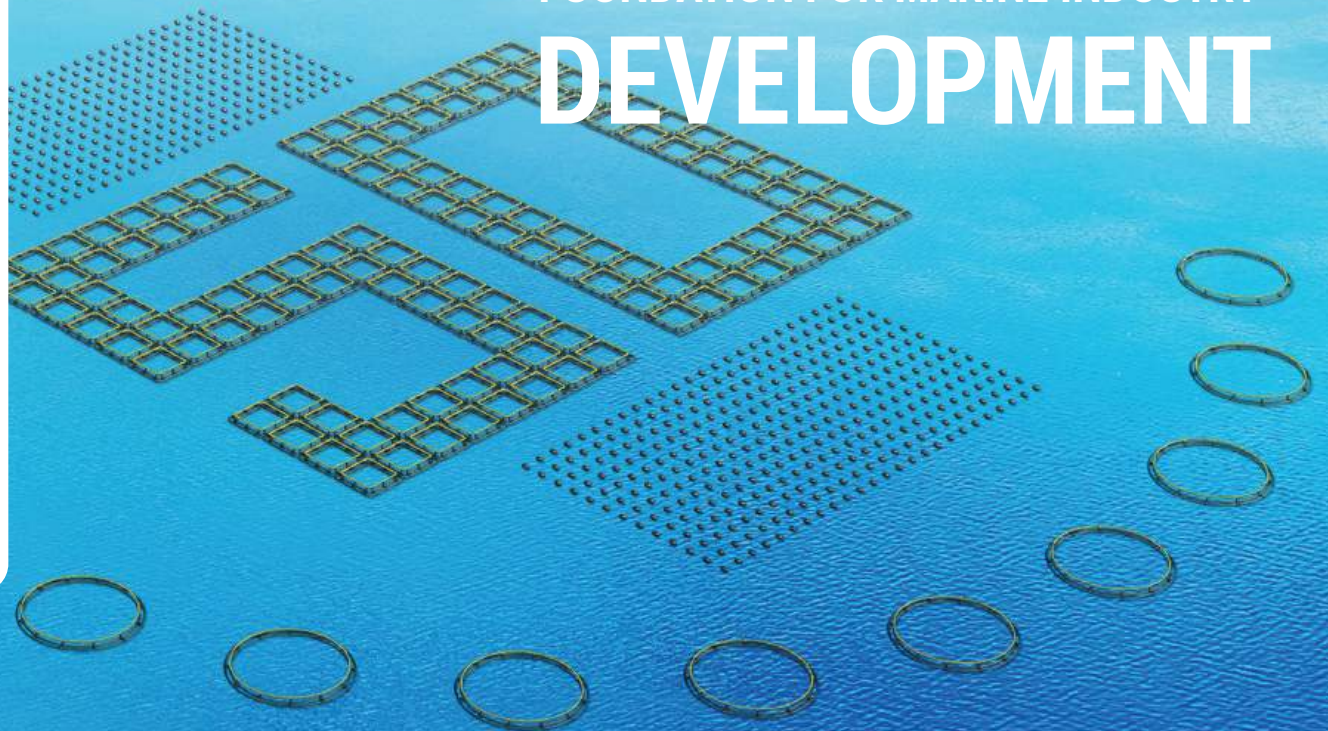
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# STRONG FOUNDATION FOR MARINE INDUSTRY DEVELOPMENT





"Vietnam's fisheries sector is now standing before a significant opportunity to make a breakthrough in both quality and scale – contributing to the national economic development. However, rapid growth does not mean sacrificing the future for short-term gains. The greatest challenge lies in how to ensure sustainable growth for the fisheries sector."

STP Group believes that any industry, any sector, and any economy must be built upon a solid foundation – one that allows for steady accumulation, innovation, and breakthrough progress.

That is why STP Group is committed to working alongside its partners to build a sustainable fisheries industry right from the very foundation – Infrastructure.

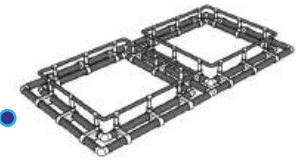
With this foundation in place, anyone participating in the fisheries sector will be empowered to develop their businesses in harmony with nature.



Pioneering in fisheries infrastructure, STP Group continuously updates and innovates its product lines with the best utility value for aquaculture. Meeting the highest standards for durability and environmental friendliness, STP Group proudly introduces its line of HDPE cages and HDPE floating buoys – designed for sustainability and eco-friendliness:

#### 1. SQUARE CAGE & SQUARE CAGE CLUSTER – HDPE

STP's HDPE square cages are suitable for both freshwater and marine aquaculture. With high durability, diverse size options, and flexible modular design, these cages are often structured as HDPE cage clusters.



#### 2. ROUND CAGE – HDPE

The HDPE round cages from STP are ideal for marine environments. With circular structures that optimize farming space and yield, these cages from STP ensure high durability and can withstand wind speeds of up to level 10–12.



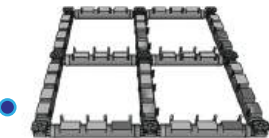
#### 3. RECTANGULAR CAGE & RECTANGULAR CAGE CLUSTER – HDPE

The rectangular HDPE cages by STP Group are designed for use in areas with calm waters or semi-enclosed bays, especially suitable for farming local fish species such as cobia, grouper, snapper, and others. With a rectangular cage structure, STP's HDPE cages facilitate easier feeding operations, cage management, and routine aquaculture practices.



#### 4. MODULAR HDPE CAGE CLUSTERS

A key advantage of this solution is the ease of assembly and disassembly, providing flexibility for farmers to adjust the cage system according to their farming scale and species. The modular system allows for independent or interconnected cage units, tailored to specific farming requirements.



#### 5. HDPE FLOATING CAGES

These floating cages are among STP's key products, addressing the needs of the green aquaculture movement, where traditional foam floating devices are being replaced with environmentally friendly HDPE materials. This product line helps ensure consistent contact with the water surface and stable buoyancy.



#### 6. HDPE FLOATING BUOYS

Certified under the OCOP 08:2020/ON program for local products. Made from HDPE material with UV stabilization, these floating buoys are widely used in aquaculture systems across Vietnam. STP Group's HDPE floating buoys are currently the No. 1 choice in Vietnam, commonly applied in marine aquaculture of fish, mussels, oysters, seaweed, and more.

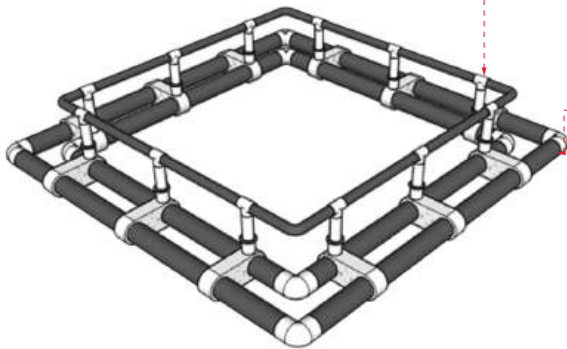


## MATERIAL LIST:

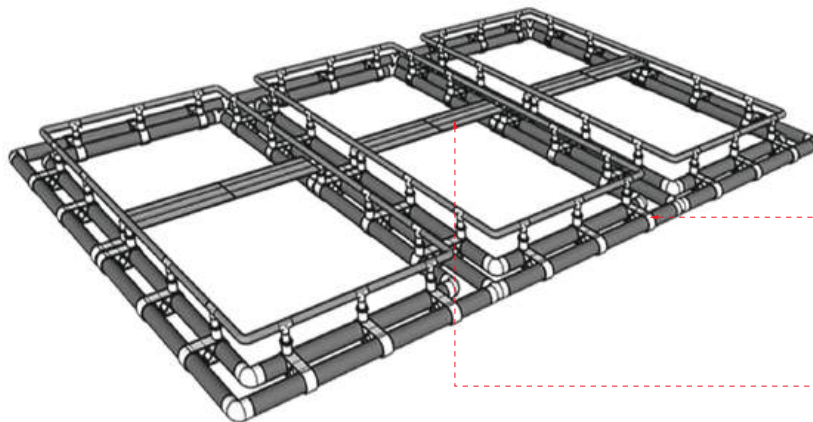
# HDPE CAGE SYSTEM NORWEGIAN TECHNOLOGY



**ROUND HDPE CAGE**



**SQUARE HDPE CAGE**



**RECTANGULAR HDPE CAGE**



HDPE PIPES



SINGLE COLUMN JOINT SET



EQUAL TEE WELDED JOINT



ELBOW WELDED JOINT



CROSS WELDED JOINT



END CAP WELDED PLUG



PIPE BENDING SUPPORT

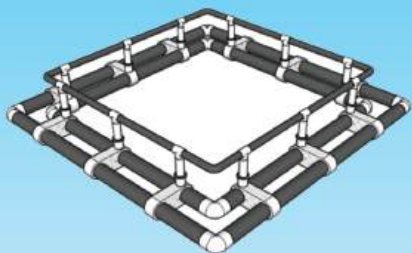


DOUBLE COLUMN JOINT SET



COMPOSITE WALKWAY  
PLATFORM

# 01 HDPE Square Cage



## CAGE FRAME SYSTEM:

### A. MAIN CAGE FRAME:

- **Quantity:** 01 frame/unit
- **Inner dimensions:** Square shape
- **Railings:** Equipped with handrails
- **Cage pipe material:** HDPE Ø200, Ø250, ...
- **Accessories:** HDPE pipes, cage joints, mooring connectors, handrails, etc.

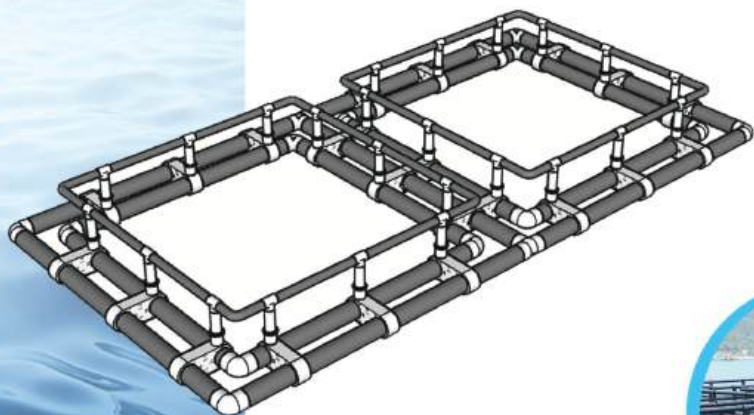
### B. CAGE SUPPORTING STRUCTURE:

- **Cage size options:** 4x4m, 5x5m, 6x6m (varies depending on farming area)
- **Cage railing height:** 1.2 meters
- **HDPE accessories set includes:** HDPE pipes, equal tee joints, elbow joints, cross joints, end caps, cage connectors, mooring supports, and handrails.

### TABLE OF SPECIFICATIONS FOR SINGLE SQUARE CAGES WITH HANDRAILS:

Product Code	Product Description	Dimensions	Unit
STP-LV44H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 4m	Set
STP-LV55H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	5m x 5m	Set
STP-LV66H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	6m x 6m	Set

# 02 HDPE Square Cage Cluster



## CLUSTER OF 2 SQUARE CAGES WITH HANDRAILS

### TABLE OF SPECIFICATIONS FOR CLUSTER OF 2 SQUARE CAGES WITH HANDRAILS:

Product Code	Product Description	Dimensions	Unit
STP-C2TV44H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 4m	Cluster
STP-C2TV55H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	5m x 5m	Cluster
STP-C2TV66H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	6m x 6m	Cluster



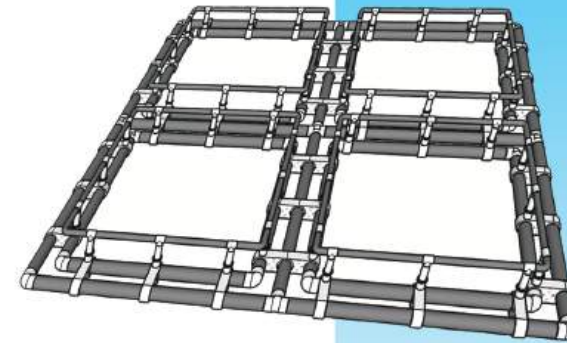
HDPE SQUARE CAGE SYSTEM



## CLUSTER OF 4 SQUARE CAGES WITH HANDRAILS

SPECIFICATION TABLE FOR CLUSTER OF 4 SQUARE CAGES WITH HANDRAILS

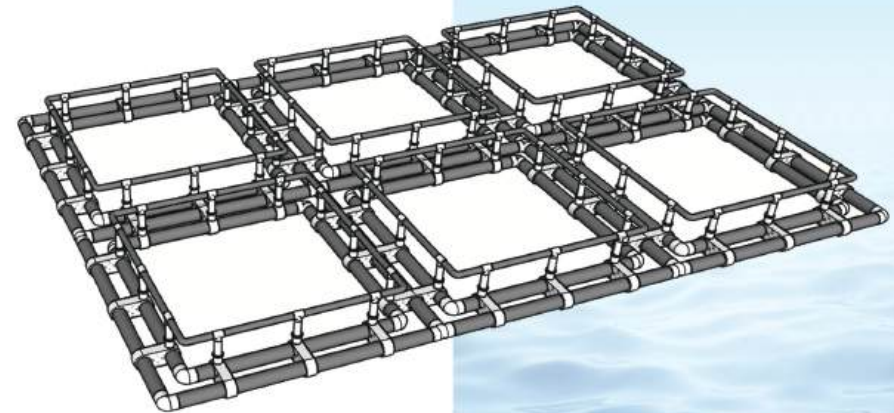
Product Code	Product Description	Dimensions	Unit
STP-C4TV44H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	4m x 4m	Cluster
STP-C4TV55H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	5m x 5m	Cluster
STP-C4TV66H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	6m x 6m	Cluster



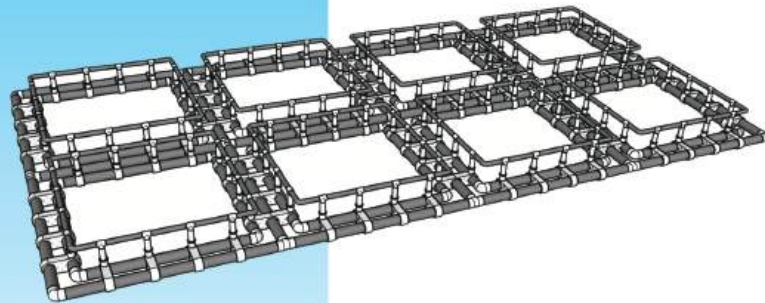
## CLUSTER OF 6 SQUARE CAGES WITH HANDRAILS

SPECIFICATION TABLE FOR CLUSTER OF 6 SQUARE CAGES WITH HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C6TV44H3T	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	4m x 4m	Cluster
STP-C6TV55H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	5m x 5m	Cluster
STP-C6TV66H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	6m x 6m	Cluster



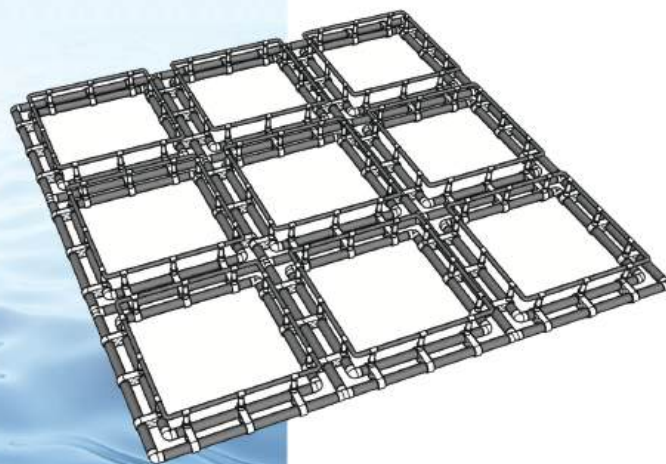
## CLUSTER OF 8 SQUARE CAGES WITH HANDRAILS



SPECIFICATION TABLE FOR CLUSTER OF 8 SQUARE CAGES WITH HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C8TV44H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	4m x 4m	Cluster
STP-C8TV55H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	5m x 5m	Cluster
STP-C8TV66H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	6m x 6m	Cluster

## CLUSTER OF 9 SQUARE CAGES WITH HANDRAILS



SPECIFICATION TABLE FOR CLUSTER OF 9 SQUARE CAGES WITH HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C9TV44H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	4m x 4m	Cluster



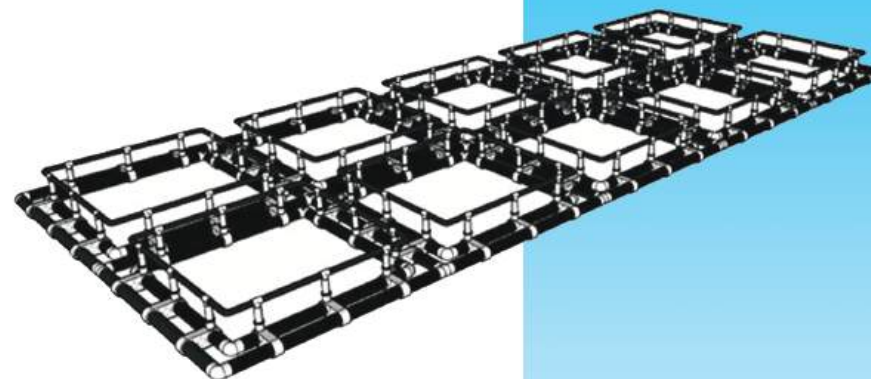
HDPE SQUARE CAGE SYSTEM



## CLUSTER OF 10 SQUARE CAGES WITH HANDRAILS

SPECIFICATION TABLE FOR CLUSTER OF 10 SQUARE CAGES WITH HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C10TV44H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 4m	Cluster
STP-C10TV55H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	5m x 5m	Cluster
STP-C10TV66H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	6m x 6m	Cluster



## CLUSTER OF SQUARE CAGES WITHOUT HANDRAILS

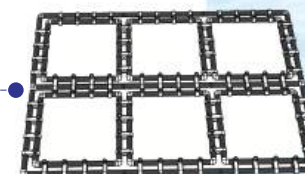
CLUSTER OF 4 SQUARE CAGES WITHOUT HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C4KV55H3	- Main HDPE cage frame Ø250, PN10 - Buoyancy ring: Ø250	5m x 5m	Cluster
STP-C4KV66H3	- Main HDPE cage frame Ø250, PN10 - Buoyancy ring: Ø250	6m x 6m	Cluster



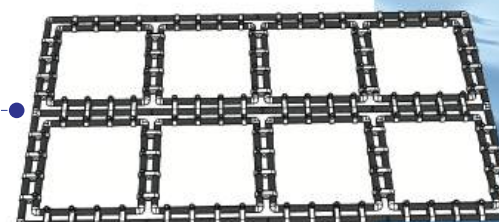
CLUSTER OF 6 SQUARE CAGES WITHOUT HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C6KV55H3	- Main HDPE cage frame Ø250, PN10 - Buoyancy ring: Ø250	5m x 5m	Cluster
STP-C6KV66H3	- Main HDPE cage frame Ø250, PN10 - Buoyancy ring: Ø250	6m x 6m	Cluster



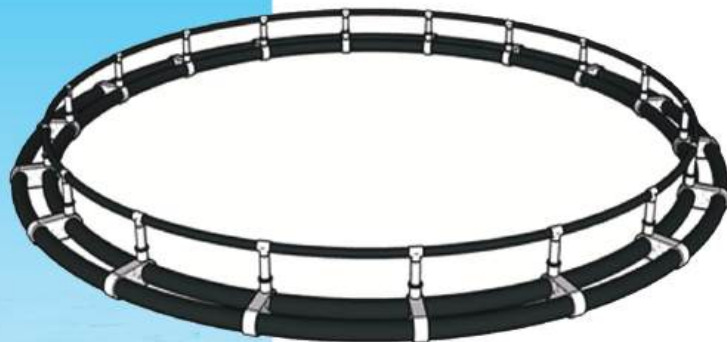
CLUSTER OF 8 SQUARE CAGES WITHOUT HANDRAILS

Product Code	Product Description	Dimensions	Unit
STP-C8KV66H3	- Main HDPE cage frame Ø250, PN10 - Buoyancy ring: Ø250	6m x 6m	Cluster



# 03 ROUND CAGES

## CAGE FRAME SYSTEM



### MAIN CAGE FRAME:

- Quantity: 01 frame
- Circumference: Customized (40m, 50m, 60m, 80m, 100m...)
- Materials: HDPE Ø250, HDPE Ø315

### SUPPORTING CAGE FRAME (HANDRAILS):

- Quantity: 01 frame (handrail)
- Circumference: Corresponding to the main frame
- Materials: HDPE Ø110

### CAGE FRAME ASSEMBLY:

- Quantity: Varies depending on the number of cages
- Components include: HDPE pipes, equal tee joints, elbow joints, cross joints, end caps, cage connectors, mooring supports, and handrails.

### WALL THICKNESS (PIPE SPECIFICATIONS):

- For under 3 nautical miles: PN10
- For 3–6 nautical miles: PN12.5
- For over 6 nautical miles: PN16

## (1) ROUND CAGE WITH HANDRAILS (For Areas Under 3 Nautical Miles)

Product Code	Product Description	Circumference	Unit
STP-LT40H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	40m	Set
STP-LT50H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	50m	Set
STP-LT60H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	60m	Set
STP-LT80H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN10</li> <li>- Cage pipe HDPE: Ø125, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø250</li> </ul>	80m	Set
STP-LT100H3	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø315, PN10</li> <li>- Cage pipe HDPE: Ø160, PN10</li> <li>- Handrail HDPE: Ø110, PN10</li> <li>- Buoyancy ring: Ø315</li> </ul>	100m	Set



## (2) ROUND CAGE WITH HANDRAILS (For Areas from 3 to 6 Nautical Miles)

Product Code	Product Description	Circumference	Unit
STP-LT40H2	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN12.5</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250, PN12.5</li> </ul>	40m	Set
STP-LT50H2	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN12.5</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250, PN12.5</li> </ul>	50m	Set
STP-LT60H2	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN12.5</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250, PN12.5</li> </ul>	60m	Set
STP-LT80H2	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN12.5</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250, PN12.5</li> </ul>	80m	Set
STP-LT100H2	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø315, PN12.5</li> <li>- Cage pipe HDPE: Ø160, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø315, PN12.5</li> </ul>	100m	Set



HDPE SQUARE CAGE SYSTEM



# 03 HDPE ROUND CAGES

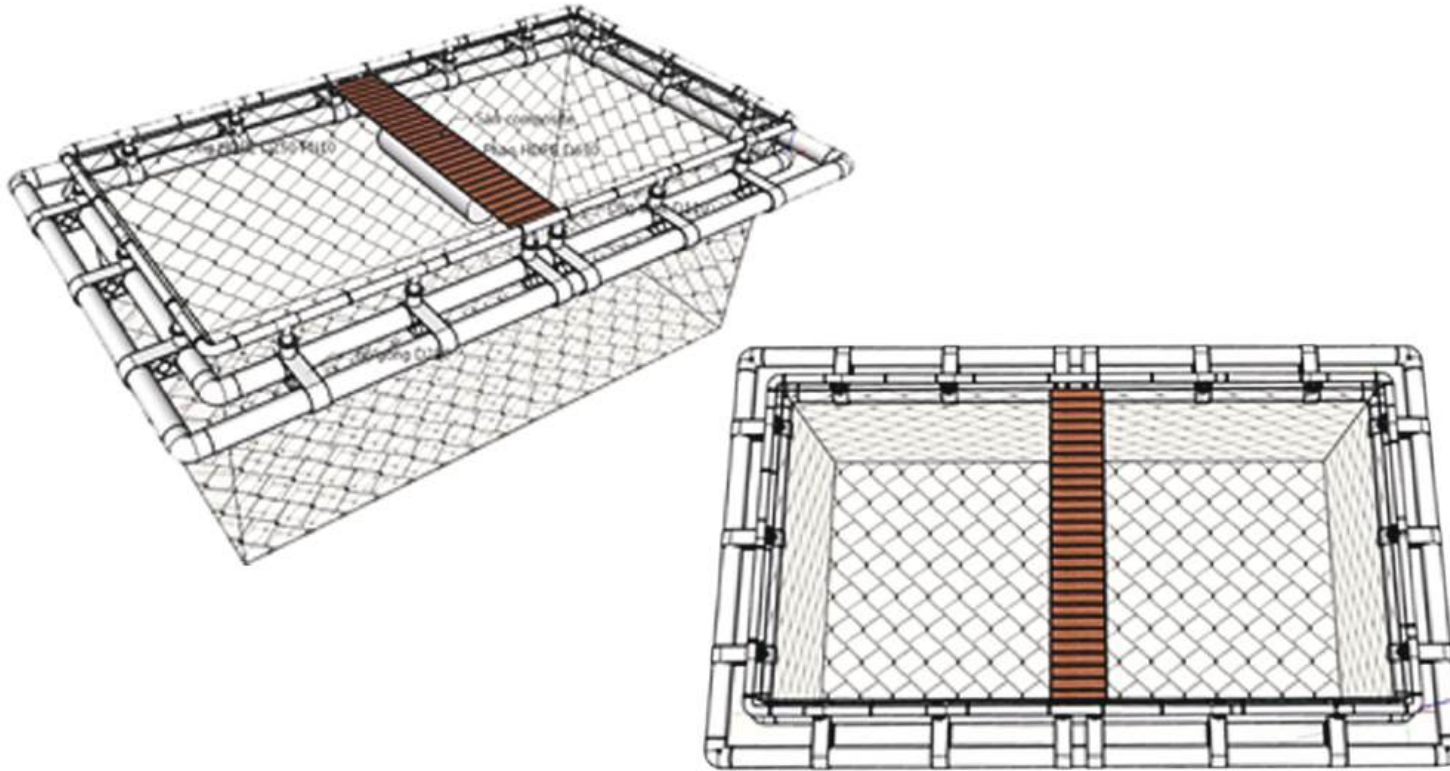
## (3) ROUND CAGE WITH HANDRAILS (For Areas Over 6 Nautical Miles)

Product Code	Product Description	Circumference	Unit
STP-LT40CVH1	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN16</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250</li> </ul>	40m	Set
STP-LT50CVH1	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN16</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250</li> </ul>	50m	Set
STP-LT60CVH1	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN16</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250</li> </ul>	60m	Set
STP-LT80CVH1	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø250, PN16</li> <li>- Cage pipe HDPE: Ø125, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø250</li> </ul>	80m	Set
STP-LT100CVH1	<ul style="list-style-type: none"> <li>- Main HDPE cage frame Ø315, PN16</li> <li>- Cage pipe HDPE: Ø160, PN12.5</li> <li>- Handrail HDPE: Ø110, PN12.5</li> <li>- Buoyancy ring: Ø315</li> </ul>	100m	Set



HDPE SQUARE CAGE SYSTEM



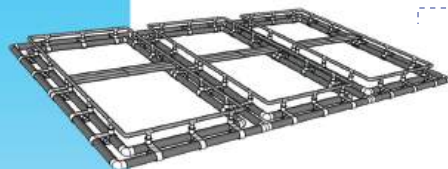


Technical drawing of STP's Rectangular HDPE Cage



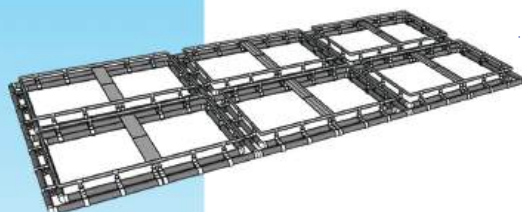
# 05 RECTANGULAR HDPE CAGE CLUSTERS

## TABLE OF SPECIFICATIONS AND PRODUCT CODES FOR STP RECTANGULAR HDPE CAGE CLUSTERS



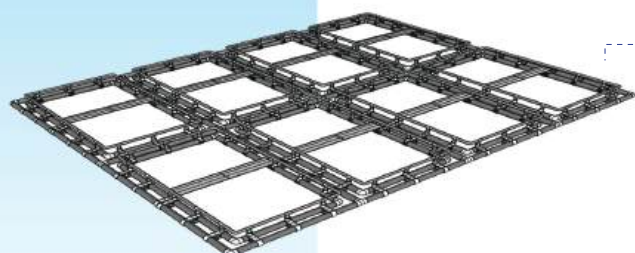
### ● CLUSTER OF 3 RECTANGULAR CAGES 4M X 8M

Product Code	Product Description	Dimensions	Unit
STP-C3TV48H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 8m	Set



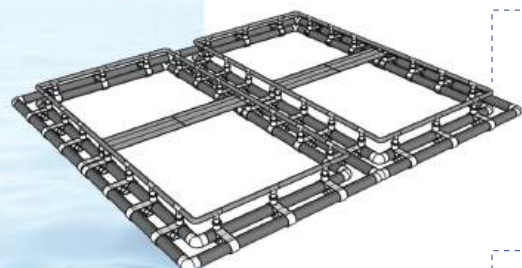
### ● CLUSTER OF 6 RECTANGULAR CAGES 4M X 8M

Product Code	Product Description	Dimensions	Unit
STP-C6TV48H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 8m	Set



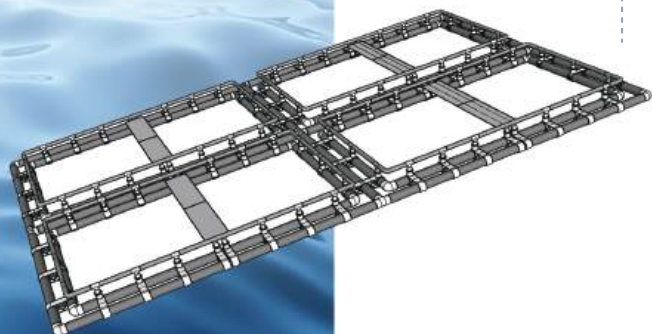
### ● CLUSTER OF 8 RECTANGULAR CAGES 4M X 8M

Product Code	Product Description	Dimensions	Unit
STP-C8TV48H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	4m x 8m	Set



### ● CLUSTER OF 2 RECTANGULAR CAGES 5M X 10M

Product Code	Product Description	Dimensions	Unit
STP-C2TV510H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	5m x 10m	Set

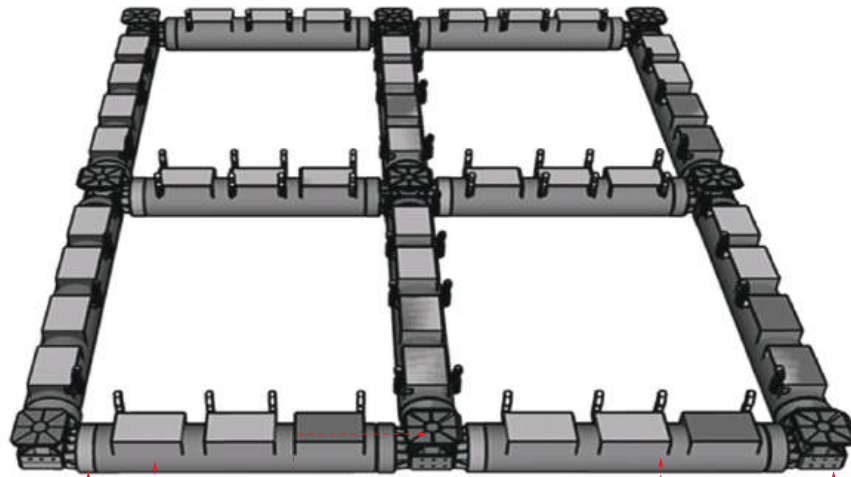


### ● CLUSTER OF 4 RECTANGULAR CAGES 5M X 10M

Product Code	Product Description	Dimensions	Unit
STP-C4TV510H3	- Main HDPE cage frame Ø250, PN10 - Cage pipe HDPE: Ø125, PN10 - Handrail HDPE: Ø110, PN10 - Buoyancy ring: Ø250	5m x 10m	Set



## MODULAR HDPE CAGE CLUSTER



Modular HDPE Cage System



END CAP



CONNECTOR JOINT



DECK SUPPORT BASE



CORNER COMPOSITE DECK PANEL



SIDE COMPOSITE DECK PANEL

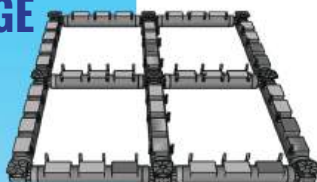


STAINLESS STEEL 304 BOLTS



NET HOOK ARM

# 06 MODULAR HDPE CAGE SYSTEM



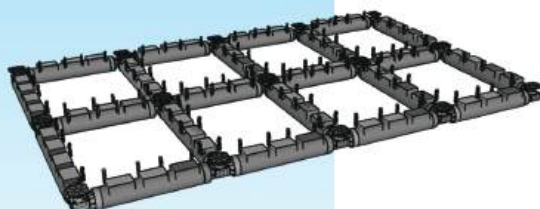
## ● CLUSTER OF 4 MODULAR HDPE CAGES 4M X 4M

Product Code	Product Description	Dimensions	Unit
STP-C4LG44H3	- Cluster of 4 Modular HDPE Cages - Spacing between cages: 6 units	4m x 4m	Cluster



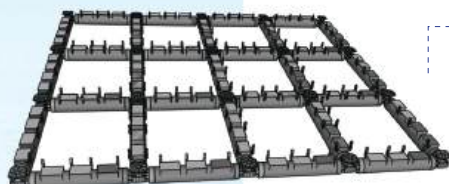
## ● CLUSTER OF 6 MODULAR HDPE CAGES 4M X 4M

Product Code	Product Description	Dimensions	Unit
STP-C6LG44H3	- Cluster of 6 Modular HDPE Cages - Spacing between cages: 6 units	4m x 4m	Cluster



## ● CLUSTER OF 8 MODULAR HDPE CAGES 4M X 4M

Product Code	Product Description	Dimensions	Unit
STP-C8LG44H3	- Cluster of 8 Modular HDPE Cages - Spacing between cages: 6 units	4m x 4m	Set



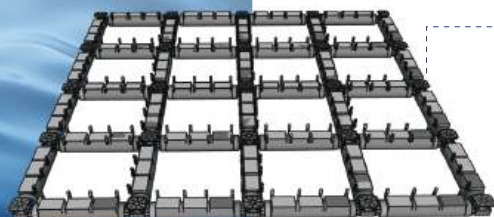
## ● CLUSTER OF 12 MODULAR HDPE CAGES 4M X 4M

Product Code	Product Description	Dimensions	Unit
STP-C12LG44H3	- Cluster of 12 Modular HDPE Cages - Spacing between cages: 6 units	4m x 4m	Cluster



## ● MODULAR SQUARE CAGE FRAME CLUSTER (16 COMPARTMENTS)

Product Code	Product Description	Dimensions	Unit
STP-C16LG44H3	- Modular Square Cage Frame using HDPE Ø355 - Cluster of 16 compartments	4m x 4m	Set

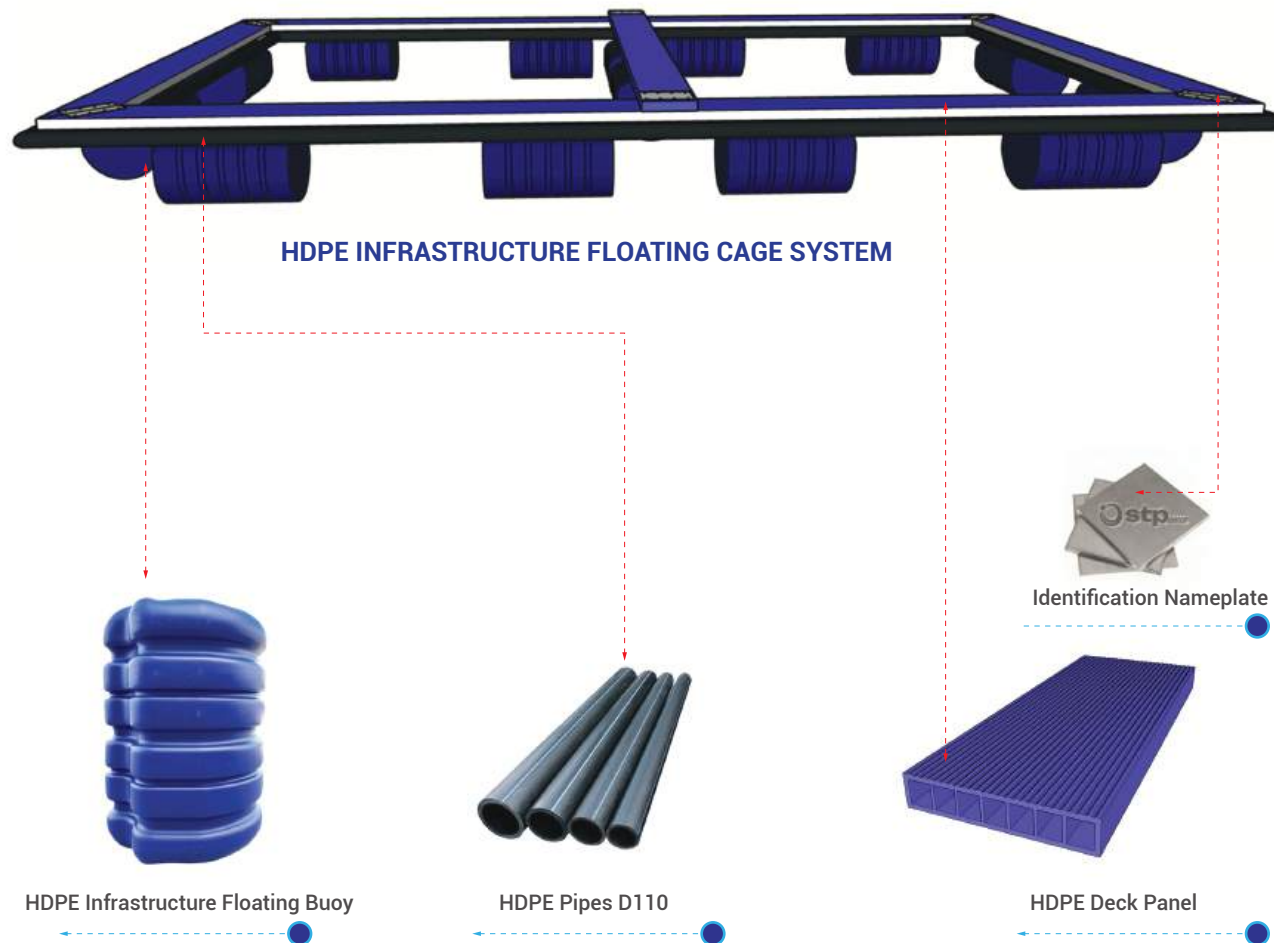


## ● MODULAR SQUARE CAGE FRAME CLUSTER (16 COMPARTMENTS)

Product Code	Product Description	Dimensions	Unit
STP-C16LG34H3	- Modular Square Cage Frame using HDPE Ø355 - Cluster of 16 compartments	3m x 4m	Set

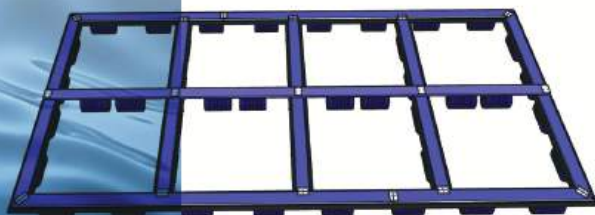
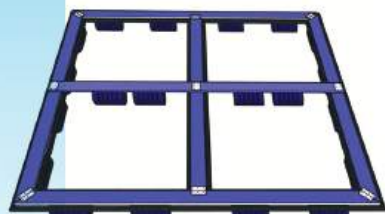


## HDPE INFRASTRUCTURE FLOATING CAGE SYSTEM



- ◆ The cage frame is assembled on HDPE floating buoys, with frame joints made from HDPE pipes combined with stainless steel bolts (SUS 304 grade).
- ◆ The cage modules are designed with dimensions of 4m x 8m, configurable as various clusters: single cage, cluster of 2 cages, cluster of 3 cages, cluster of 4 cages, or cluster of 6 cages.
- ◆ Suitable for both offshore farming and inland aquaculture.
- ◆ Adaptable to dynamic locations such as tidal areas and high-flow water environments.
- ◆ Designed with structural separation from traditional cages, supporting sustainable farming and minimizing environmental impact.
- ◆ Enhances durability and stability of the entire farming system.

## HDPE INFRASTRUCTURE FLOATING CAGES



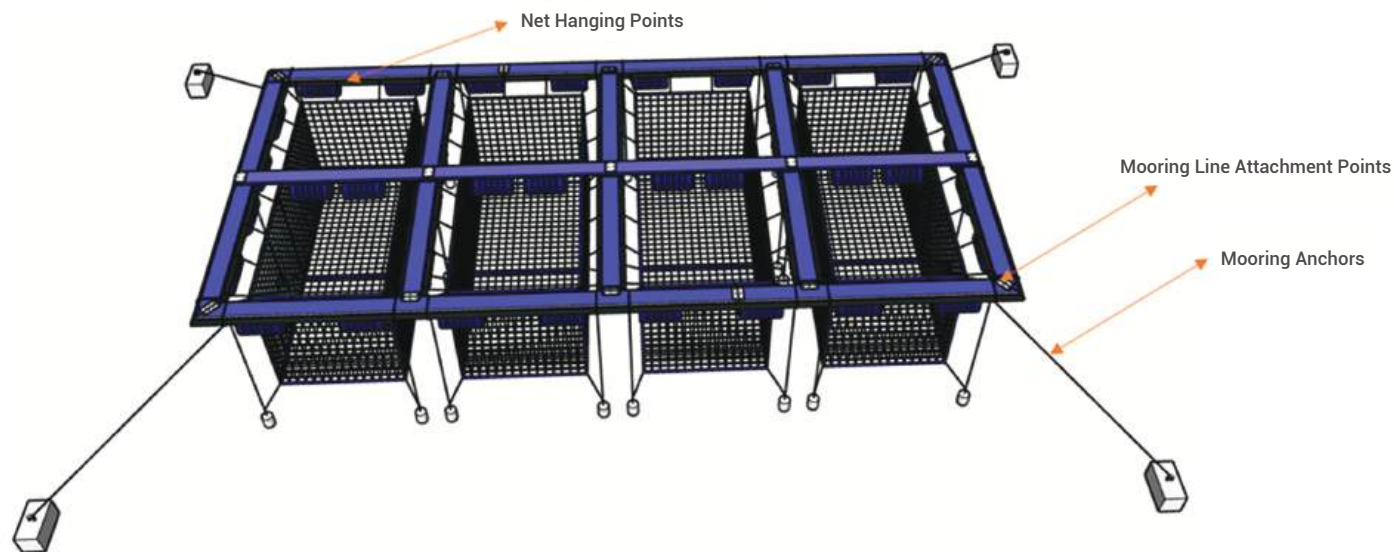
Product Code	Product Description	Dimensions
STP-PCN48H3	Single HDPE Infrastructure Floating Cage - HDPE floating buoys - HDPE deck panel - Stainless steel identification plate - Stainless steel bolts (SUS 304) - Mooring ring Ø94 - HDPE pipe D110mm	4m x 8m

Product Code	Product Description	Dimensions
STP-C2PCN48H3	Cluster of 2 HDPE Infrastructure Floating Cages - HDPE floating buoys - HDPE deck panel - Stainless steel identification plate - Stainless steel bolts (SUS 304) - Mooring ring Ø94 - HDPE pipe D110mm	4m x 8m

Product Code	Product Description	Dimensions
STP-C3PCN48H3	Cluster of 3 HDPE Infrastructure Floating Cages - HDPE floating buoys - HDPE deck panel - Stainless steel identification plate - Stainless steel bolts (SUS 304) - Mooring ring Ø94 - HDPE pipe D110mm	4m x 8m

Product Code	Product Description	Dimensions
STP-C4PCN48H3	Cluster of 4 HDPE Infrastructure Floating Cages - HDPE floating buoys - HDPE deck panel - Stainless steel identification plate - Stainless steel bolts (SUS 304) - Mooring ring Ø94 - HDPE pipe D110mm	4m x 8m



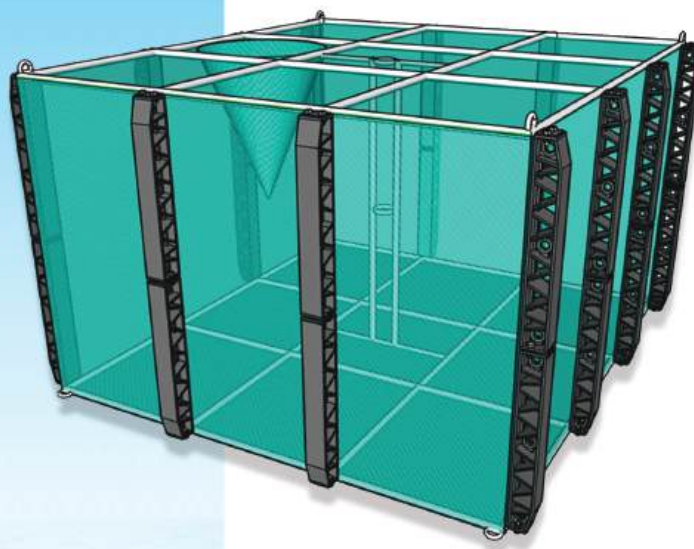


## TECHNICAL SPECIFICATIONS OF 1 HDPE INFRASTRUCTURE FLOATING CAGE CLUSTER (4M X 8M)

No.	Specification Item	Dimensions / Quantity
1	Cage dimensions per unit	4m x 8m
2	Cage height	0.690m
3	Floating buoy specifications	920x610x625mm
4	Deck panel specifications	400x75mm
5	Handrail pipe specifications	D110, PN10
6	Maximum net load capacity	1.4 tons
7	Number of floating buoys	14 units
8	Distance between floating buoys	1.6m



# 08 HDPE LOBSTER CAGE SYSTEM



## ADVANTAGES OF HDPE LOBSTER CAGE FRAMES:

1. Lobster cages made from durable HDPE material, resistant to corrosion in marine environments.
2. Easy installation without the need for heavy machinery, significantly reducing cage relocation costs.
3. Replaces traditional iron lobster cages, enhancing longevity and safety.
4. Suitable for both lobster grow-out and lobster nursery stages.
5. Environmentally friendly, contributing to sustainable aquaculture.
6. Utilizes floating systems combined with HDPE cages for effective storm resistance and farming stability.

## TECHNICAL SPECIFICATIONS:



Model	LOBSTER CAGE 3.5M³	LOBSTER CAGE 7M³	LOBSTER CAGE 14.5M³
Cage height (m)	0.85	1.27	1.75
Cage diameter (m)	1.90	2.40	2.70
Cage circumference (m)	6.00	7.60	8.60
Cage area (m²)	2.40	4.60	5.80
Total cage volume (m³)	3.2	7.3	14.5
Number of chambers	2 chambers	2 chambers	3 chambers
Chamber height (m)	0.85	1.27	1.75
Lobster holding capacity (kg)	88 kg	180 kg	370 kg

## LOBSTER FARMING METHODS USING HDPE SYSTEMS:

Lobster cage system with HDPE infrastructure floating buoys



Modular HDPE lobster cage system



Lobster cage system using HDPE frame structure



Lobster farming using traditional floating buoys

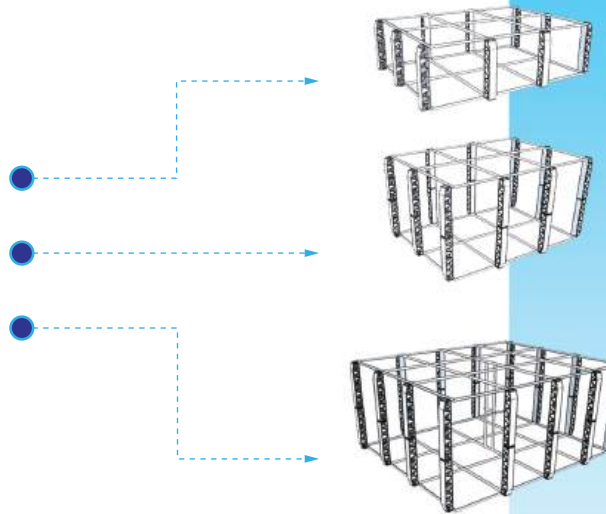


HDPE SQUARE CAGE SYSTEM



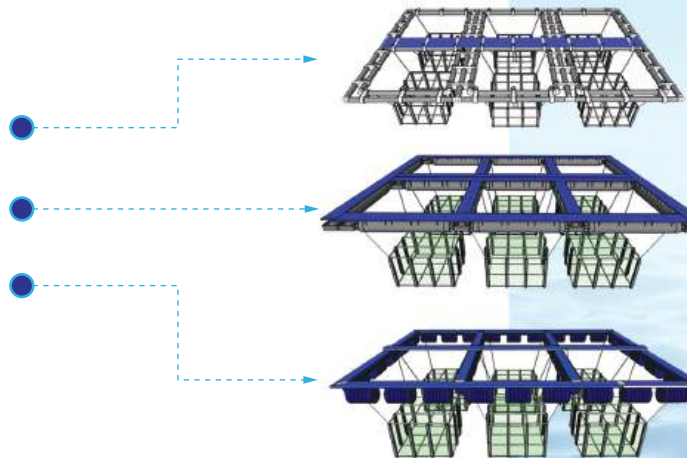
## HDPE LOBSTER CAGE MODELS:

Product Code	Product Name	Volume	Unit
STP-LTH3-5M3	HDPE Lobster Cage with Floating Frame System	3'5m3	Set
STP-LTH7M3	Modular HDPE Lobster Cage System	7m3	Set
STP-LTH145M3	HDPE Infrastructure Floating Cage System for Lobster Farming	14.5m3	Set



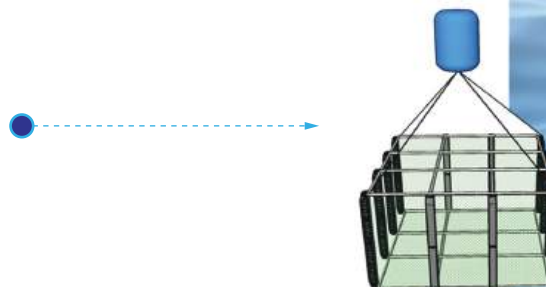
## HDPE LOBSTER CAGE USING HANGING BUOY SYSTEM:

Product Code	Product Name	Volume	Unit
STP-C6LTH14.5M3	HDPE Lobster Cage with Floating Frame System	14.5m3	Set
STP-C6LTHLG14.5M3	Modular HDPE Lobster Cage System	14.5m3	Set
STP-C6LTHLP14.5M3	HDPE Infrastructure Floating Cage System for Lobster Farming	14.5m3	Set



## HDPE LOBSTER CAGE USING HANGING BUOY SYSTEM:

Product Code	Product Name	Volume	Unit
STP-C1LTHPT14.5M3	HDPE Lobster Cage Using Hanging Buoy System	3,5m3	Set



## 09 STP HDPE FLOATING BUOYS

STP Group is the first company to have its HDPE floating buoys certified under the QCDP 08:2020/ON program for local products.

STP floating buoys are now the No. 1 choice in Vietnam for marine aquaculture systems, especially for seaweed farming, mussel, oyster, and fish culture.



### STP HDPE FLOATING BUOY MODELS:

Product Code	Product Name	Dimensions (mm)	Weight (kg)
STP-V1/2022	HDPE Floating Buoy V1.31	Ø310 x 600	1.8 – 1.9
STP-V2/2022	HDPE Floating Buoy V2.31	Ø310 x 600	3.1 – 3.2
STP-V3/2022	HDPE Floating Buoy V3.31	Ø310 x 600	2.2 – 2.3

## 10 STP GROUP SEAWEED VALUE CHAIN LINKAGE

STP Group is the pioneer in Vietnam to develop a complete seaweed value chain, integrating HDPE infrastructure solutions with marine aquaculture practices.

The company cooperates with farmers, processors, and buyers to ensure stable production, quality compliance, and market linkage for seaweed products.

The system ensures high-quality seaweed products and contributes to sustainable aquaculture development.





## FLOATING PLATFORM SYSTEM

Product Code	Product Description	Dimensions
STP-NN24	<b>Floating platform system materials:</b> <ul style="list-style-type: none"> <li>- HDPE pipe D500</li> <li>- Deck panel D500</li> <li>- HDPE D500 accessories</li> </ul>	<b>Standard area: 42m<sup>2</sup></b> <ul style="list-style-type: none"> <li>- Length: 11m</li> <li>- Width: 5.28m</li> <li>- Deck panel thickness: 400x75mm</li> </ul>



## FLOATING HOUSE SYSTEM

Product Code	Product Description	Dimensions
STP-NN24	<b>Materials and structure for floating house system:</b> <ul style="list-style-type: none"> <li>- Modular floating frame</li> <li>- Insulated PU sandwich panels</li> <li>- Composite windows</li> <li>- Aluminum sliding doors</li> <li>- PVC plastic flooring 330x600mm</li> <li>- Wooden floor panels (400x300mm)</li> <li>- Glass windows</li> </ul>	<b>Standard area: 42m<sup>2</sup></b> <ul style="list-style-type: none"> <li>- Length: 5.5m</li> <li>- Width: 3.7m</li> <li>- Height: 2.5m</li> </ul>



## WASTEWATER TREATMENT SYSTEM

Product Code	Product Description	Dimensions
STP-NN24	<b>Wastewater treatment system materials:</b> <ul style="list-style-type: none"> <li>- Treatment capacity: 5000L/day</li> <li>- Includes chemical dosing system, air blower system, water pump system, automatic control cabinet</li> <li>- Complies with QCVN standards</li> </ul>	According to STP Group's technical specifications





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