



Tabarestan Plastic Complex



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Amirabad Port Dock, Behshahr



Charak Port



Mirmahna, Kish

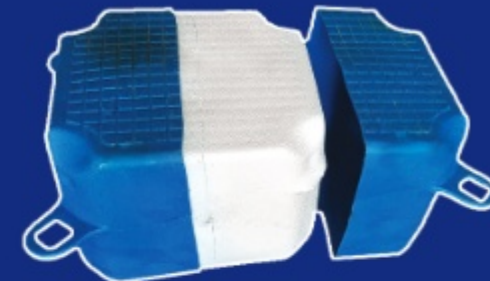
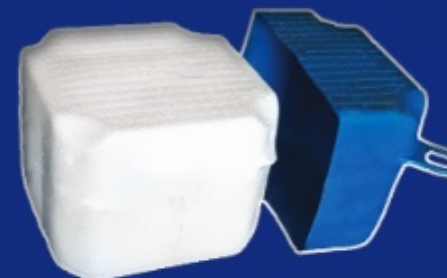


Damghan Dam



Advantages of Using Foam

- Providing polystyrene foam and polyurethane foam injection
- No water penetration into the floating tank
- No change in appearance of dock in case of temperature change
- Distribution of pressure-related force on the dock surface



Zarabad Dock, Chabahar



Beirut Recreational Dock



Dock's Technical Specifications

The ease of installation and assembly of the dock parts has made it easy to use in different seasons of the year. The additive used in the polymer structure of the pier dock protects it against atmospheric changes and especially the sun's destructive ultraviolet rays. Each square meter of the dock can carry a static load of 360 kg. Due to the use of small parts, the docks or floating islands can be designed in various shapes and dimensions based on the customer's taste (customized).



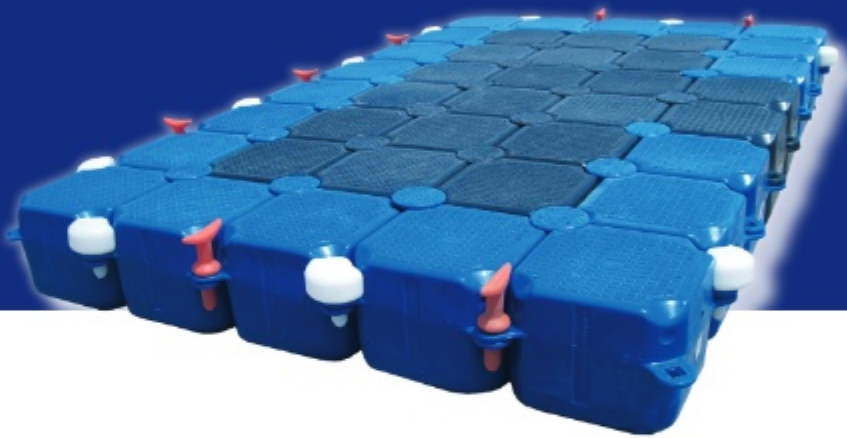
Applications

- Commercial and military floating docks
- Fish cage ponds
- Tourist floating islands and in-sea pools
- Sports stations
- Fishing docks
- Motorized mobile transport floats



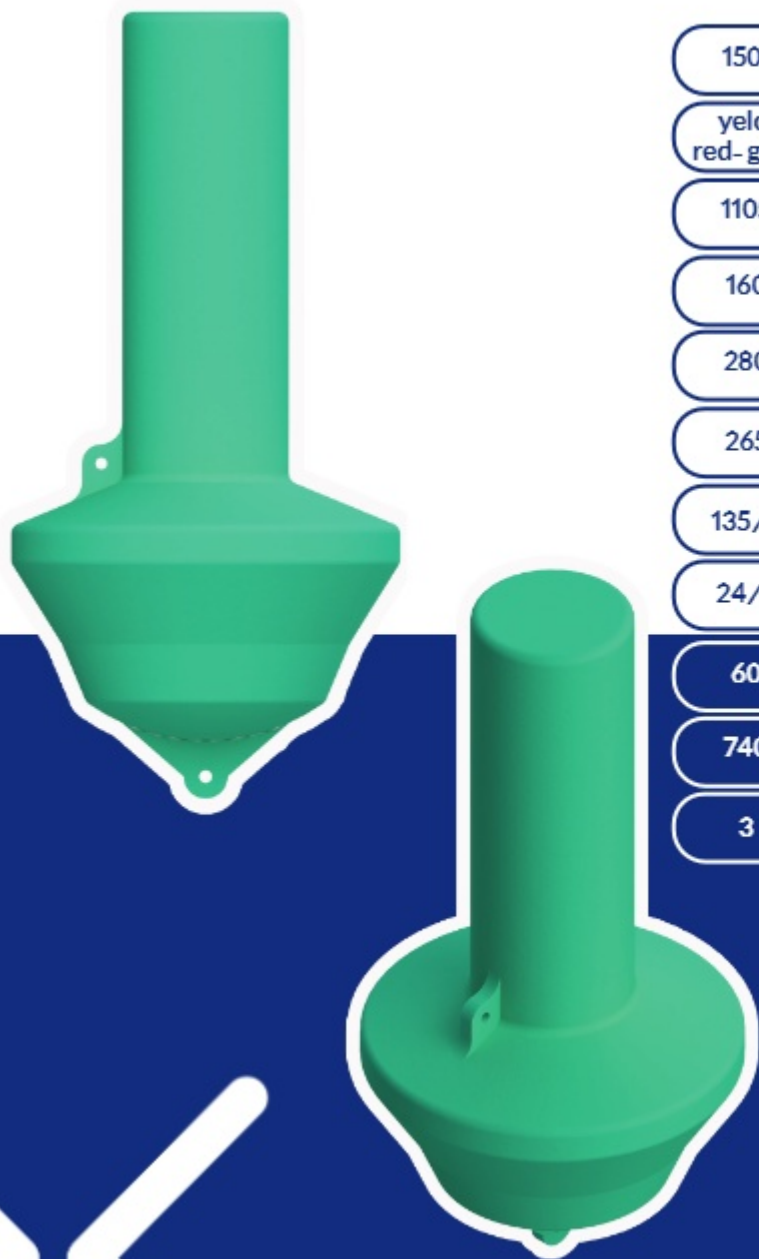
Introduction to Floating Dock

The floating dock produced by Tabarestan Plastic Complex is produced using heavy polyethylene (HDPE) raw materials by rotational molding. Every 4 floating pontoons together form a rectangular cube measuring 40x100x100 cubic centimeters. Each floating pontoon has 4 earrings to be connected to other pontoons. This is conducted with the help of another piece called pin. Other pieces called bumpers (buffers) and hooks are used to increase impact resistance and to connect the boats to the dock sides.



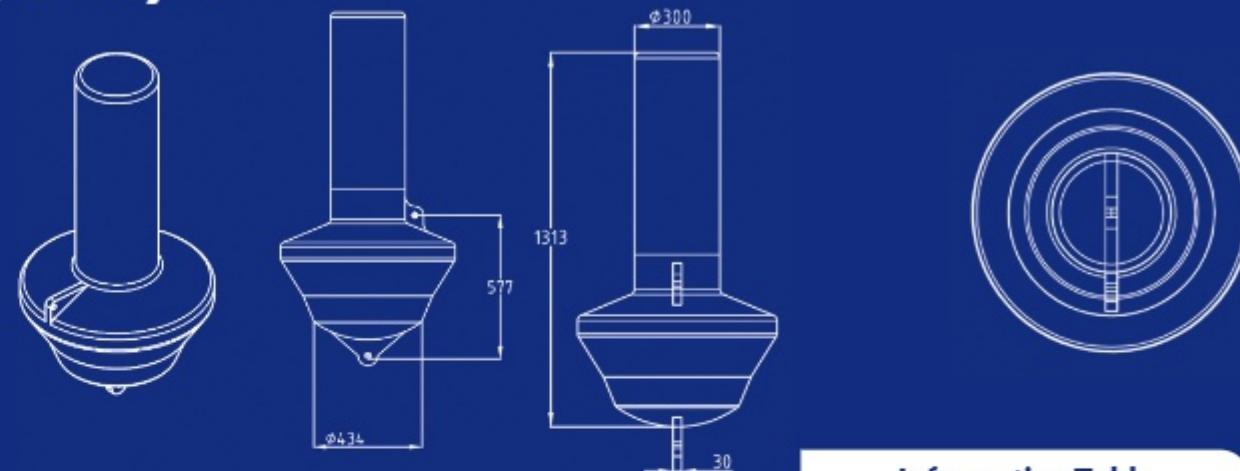
Information Chart

Color	Average Thickness	Buoyancy Force	Total Weight	Dimensions	Raw Materials
blue & black	5-6mm	90kg	8±0.3kg	40*50*50 cm	High Density Polyethylene (HDPE)



General Specifications	
1500	Buoy Type
yellow red- green	Available Colors (Marine Standard)
1105	Height Above Waterline (mm)
160	Total Volume with Mast (liter)
280	Nominal Buoyancy Height (mm)
265	Waterline (mm)
135/5	Reverse Buoyancy Volume (liter)
24/5	Buoyancy Volume (liter)
60	Maximum Loading (kg)
740	Maximum Submersion in Water after Loading (mm)
3	Submergence (cm/kg)

> Buoy 700



Information Table

135

Safe tension force working on a high earring
(kg)

Displacement and tension

Physical properties

Polyethylene materials suitable for Anti-UV rotary production
of internal bracing stainless steel 613

Materials

8 (mm)

Body thickness

22 (kg)

Balance weight

polyurethane foam

Filled with

1370 (mm)

Height

700 (mm)

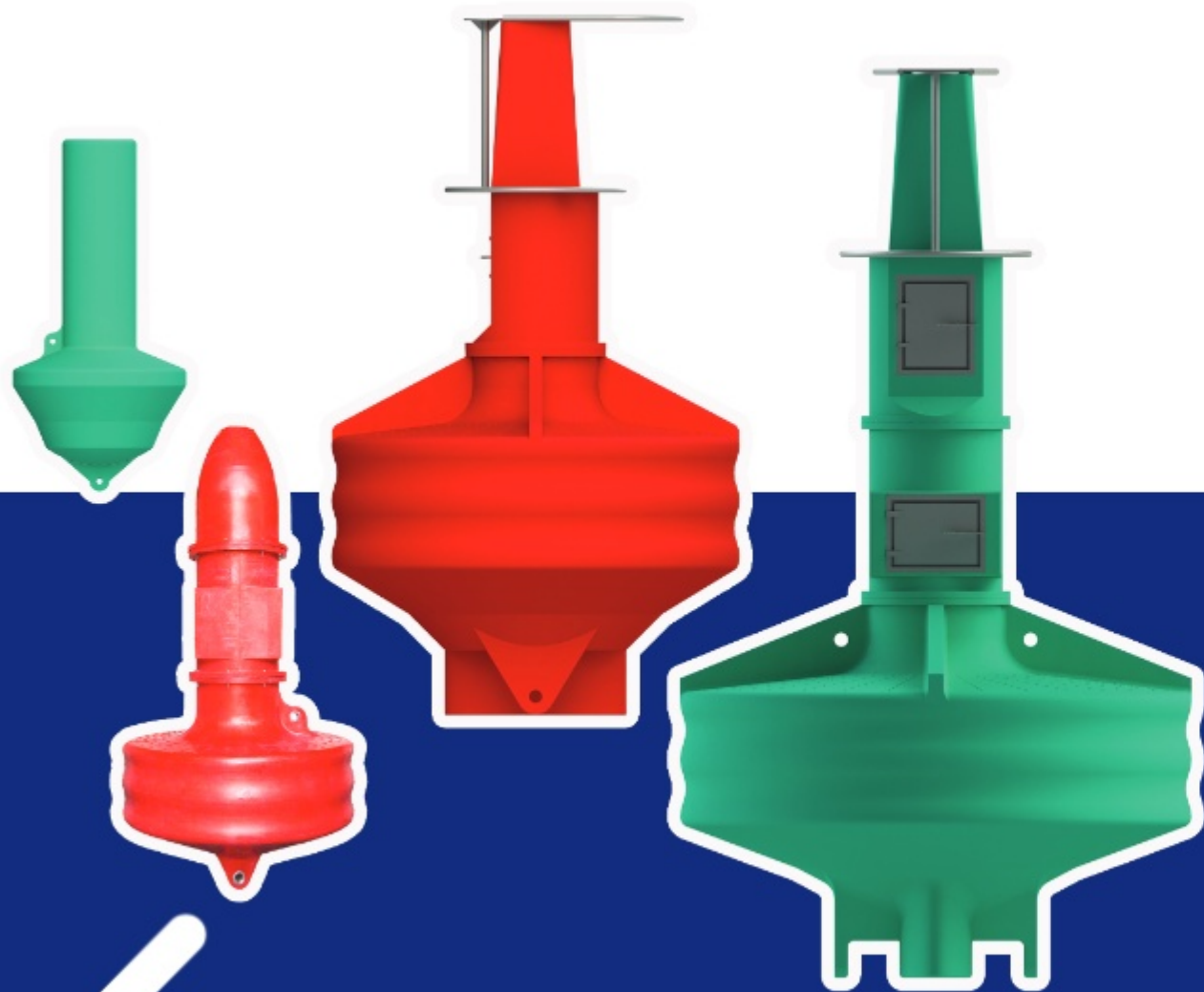
Width

45 (kg)

Mass

12 year

Product useful life (shelf-life)



Introduction to Floating Dock

Tabarestan Plastic Complex's floating buoys are made of first-class polyethylene materials and all metal parts used inside and outside these buoys are made of a material suitable for use in the sea, namely steel 316.

These products are equipped with a light, battery, and solar panel and are of the safety and radar type. The buoys of the Tabarestan Plastic Complex are designed in such a way that their stable balance is maintained in a stationary state.

These products are available in yellow, red, and green colors, and there is the capability to produce in other colors if ordered by the customer. The raw materials used in these products are the same as the raw materials of the tanks, and the colors used in these buoys are completely stable against the environmental conditions of the seas and oceans.





General Specifications

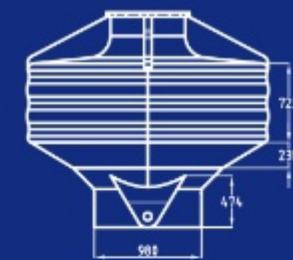
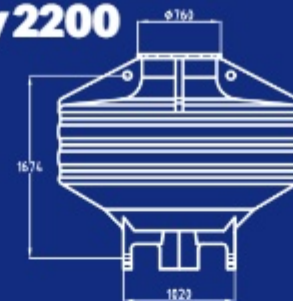
2200	Buoy Type
yellow red -green	Available Colors (Marine Standard)
3200	Height Above Waterline (mm)
4300	Total Volume with Mast (liter)
780	Nominal Buoyancy Height (mm)
690	Waterline (mm)
3670	Reverse Buoyancy Volume (liter)
630	Buoyancy Volume (liter)
1050	Maximum Loading (kg)
960	Maximum Submersion in Water after Loading (mm)
39	Submergence (cm/kg)
3	Visible Area (m2)

Table of Information

1950	Safe Tensile Force Working on One Earring Above (kg)	Displacement and Tension
1025	Safe Weight Loading on One Earring (kg)	
4950	Safe Tensile Force Working on Two Earrings Above (kg)	
4000	Safe Weight Loading on Two Earrings (kg)	



Buoy 2200



Physical properties

Polyethylene materials suitable for Anti-UV rotary production of internal bracing stainless steel 613

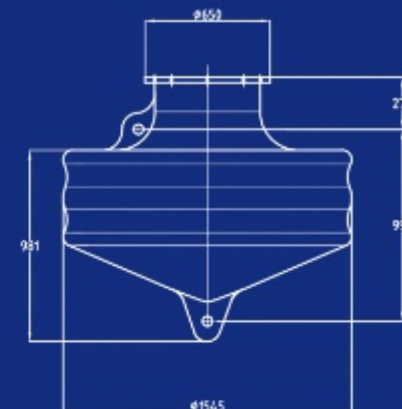
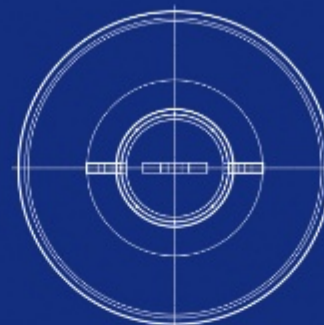
Materials

16 (mm)	Body thickness
350 (kg)	Balanced weight
polyurethane foam	Filled with
3890 (mm)	Height
2200 (mm)	Width
886 (kg)	Mass
20 year	Product shelf-life



General Specifications	
1500	Buoy Type
yellow red- green	Available Colors (Marine Standard)
1680	Height Above Waterline (mm)
1130	Total Volume with Mast (liter)
460	Nominal Buoyancy Height (mm)
450	Waterline (mm)
930	Reverse Buoyancy Volume (liter)
200	Buoyancy Volume (liter)
280	Maximum Loading (kg)
605	Maximum Submersion in Water after Loading (mm)
18.2	Submergence (cm/kg)

> Buoy1500



Information Table

2300

Safe tension force working on a high earring
(kg)

Displacement and tension

Physical properties

Polyethylene materials suitable for Anti-UV rotary production
of internal bracing stainless steel 613

Materials

13 (mm)

Body thickness

80 (kg)

Balance weight

polyurethane foam

Filled with

2130 (mm)

Height

1500 (mm)

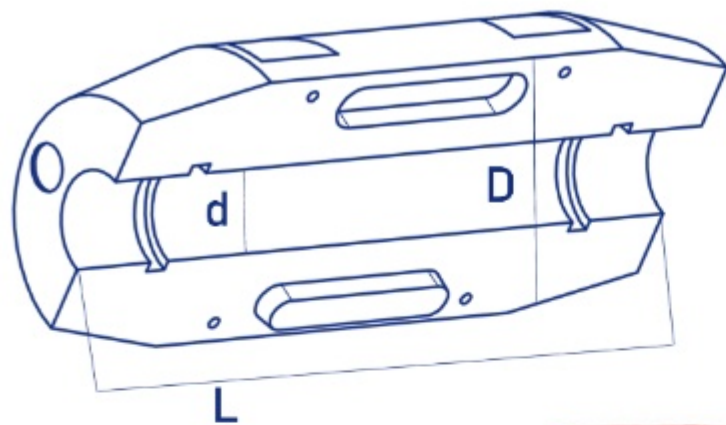
Width

230 (kg)

Mass

20 year

Product useful life (shelf-life)



> Introduction to Pipe Float

Pipe float is a new product that is produced from high-density polyethylene (HDPE) as its main raw material (ingredient). These products are produced through a rotational molding process and can be used with various fittings, fixed or movable. The floats structure is such that it makes it easy to transport liquids to the longest possible distance. These floats are made of polyethylene and polyurethane foam, which create a lightweight structure that is resistant to impact, abrasion, and corrosion. They are especially used in places that require support for pipes to transport liquids to long distances

Pipe floats have several features that make them a sustainable and economical product.

High durability and strength: The polyethylene pipe float is anti-oxidation and anti-corrosion and is resistant to seawater erosion and other environmental conditions

Resistance to harsh weather conditions: These products can perform well at temperatures between -30 and +60 degrees Celsius and in various water environments, including saltwater and freshwater with a pH of between 4 and 9

Ability to be used in sea dredging: One of the applications of the pipe floats is their use for dredging the sea, rivers, behind dams, and other water environments with great depth. This equipment makes it possible to float special pipes over long distances.

> Float 150 – 250 – 330

			General Specifications
Float of Cable 330	Float of Cable 250	Float of Cable 150	Product Name
Orange- Red - Yellow	Orange- Red - Yellow	Orange- Red - Yellow	Color
40	26	20	Total Weight (kg)
280	199	145	Float
168	119/4	87	60% Floating
950	695	1000	Length (mm)
330	250	150	Internal Diameter (mm)
700	600	450	External Diameter (mm)



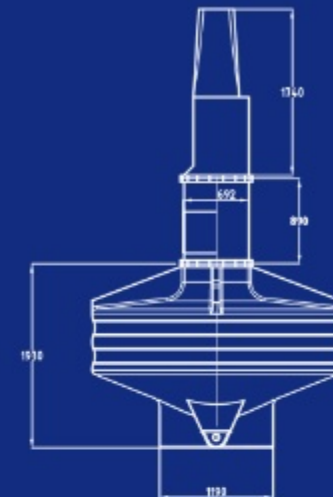
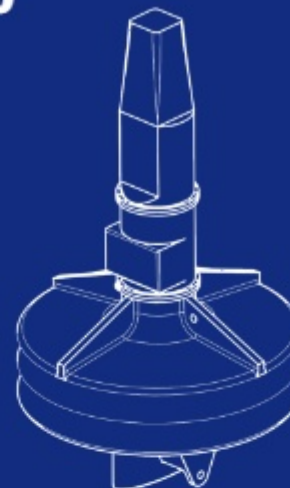
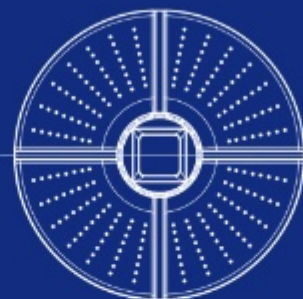
General Specifications

2600	Buoy Type
yellow red -green	Available Colors (Marine Standard)
3850	Height Above Waterline (mm)
5700	Total Volume with Mast (liter)
780	Nominal Buoyancy Height (mm)
690	Waterline (mm)
4800	Reverse Buoyancy Volume (liter)
900	Buoyancy Volume (liter)
1475	Maximum Loading (kg)
990	Maximum Submersion in Water after Loading (mm)
54	Submergence (cm/kg)
4	Visible Area (m2)

Table of Information

2225	Safe Tensile Force Working on One Earring Above (kg)	Displacement and Tension
1025	Safe Weight Loading on One Earring (kg)	
5200	Safe Tensile Force Working on Two Earrings Above (kg)	
4000	Safe Weight Loading on Two Earrings (kg)	

> Buoy 2600

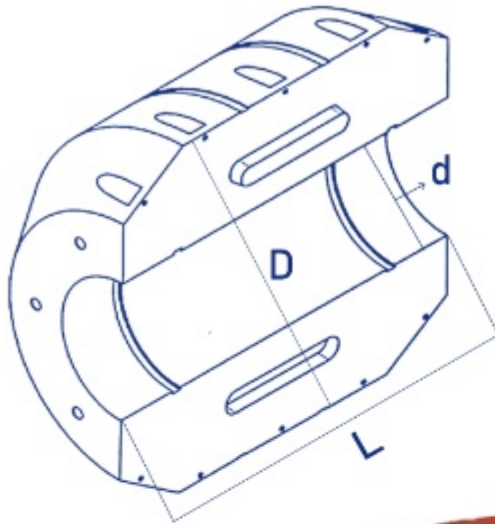


Physical properties

Polyethylene materials suitable for Anti-UV rotary production of internal
bracing stainless steel 613

Materials

18 (mm)	Body thickness
400 (kg)	Balanced weight
polyurethane foam	Filled with
4770 (mm)	Height
2600 (mm)	Width
1070 (kg)	Mass
20 year	Product shelf-life



> Float150 – 250 – 330

General Specifications

Float of Cable 330	Float of Cable 250	Float of Cable 150	Product Name
Orange- Red - Yellow	Orange- Red - Yellow	Orange- Red - Yellow	Color
540	200	200	Total Weight (kg)
6520	1905	1830	Float
3912	1143	1098	60% Floating
2200	1700	1650	Length (mm)
830	630	500	Internal Diameter (mm)
2100	1400	1400	External Diameter (mm)