

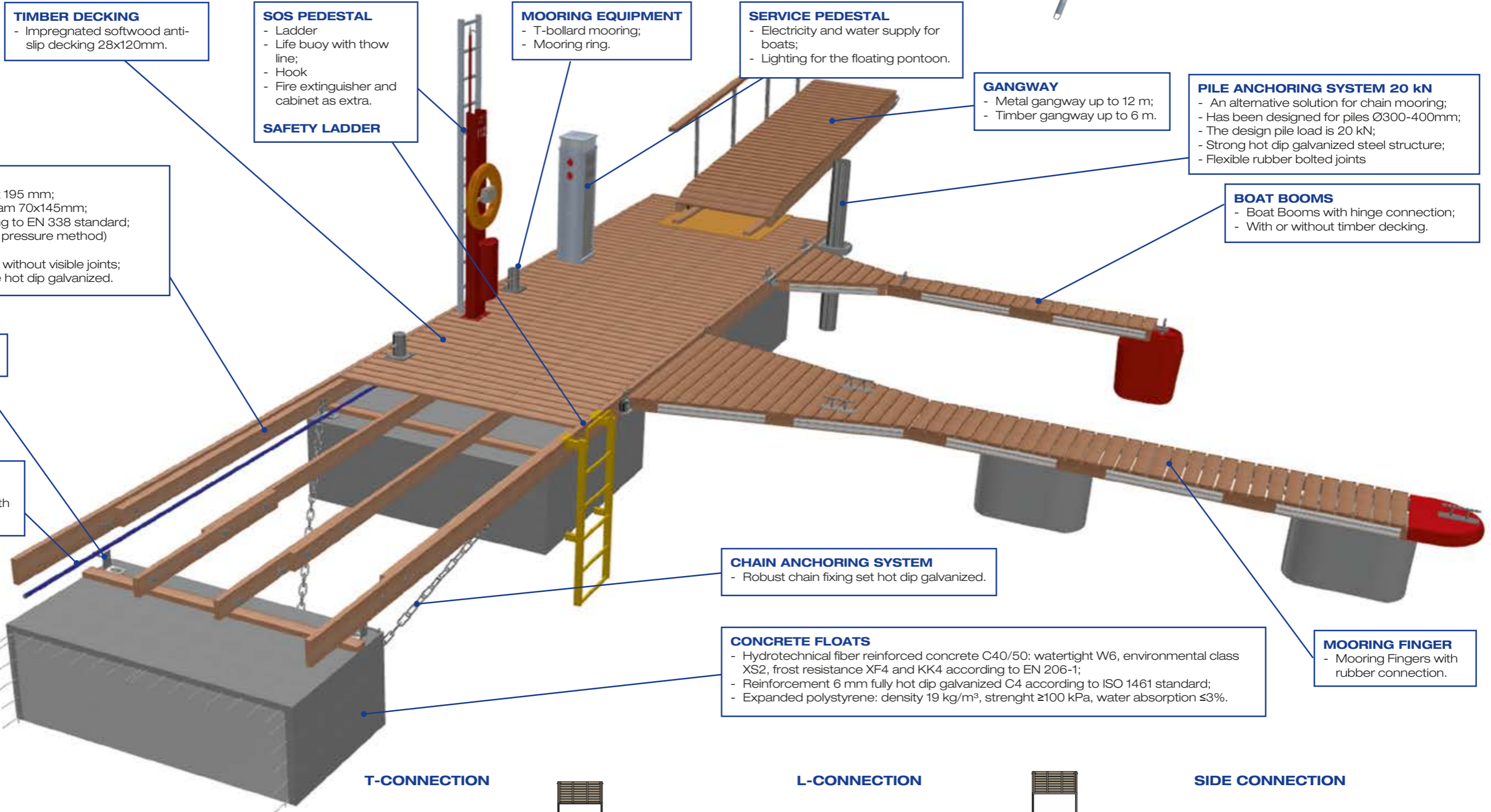
**Top Marine**  
Floating Marina Installations



# Timber Pontoon Medium with Medium Concrete Floats



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**TIMBER DECKING**  
 - Impregnated softwood anti-slip decking 28x120mm.

**SOS PEDESTAL**  
 - Ladder  
 - Life buoy with throw line;  
 - Hook  
 - Fire extinguisher and cabinet as extra.  
**SAFETY LADDER**

**MOORING EQUIPMENT**  
 - T-bollard mooring;  
 - Mooring ring.

**SERVICE PEDESTAL**  
 - Electricity and water supply for boats;  
 - Lighting for the floating pontoon.

**GANGWAY**  
 - Metal gangway up to 12 m;  
 - Timber gangway up to 6 m.

**PILE ANCHORING SYSTEM 20 kN**  
 - An alternative solution for chain mooring;  
 - Has been designed for piles Ø300-400mm;  
 - The design pile load is 20 kN;  
 - Strong hot dip galvanized steel structure;  
 - Flexible rubber bolted joints

**TIMBER FRAME**  
 - Side timber beam 45 x 195 mm;  
 - Double side timber beam 70x145mm;  
 - Strenight C24 according to EN 338 standard;  
 - Impregnated (vacuum pressure method) class: HC4.  
 - Built to required length without visible joints;  
 - All bolts and fittings are hot dip galvanized.

**BOAT BOOMS**  
 - Boat Booms with hinge connection;  
 - With or without timber decking.

**FIXING SET FOR CONCRETE FLOAT**

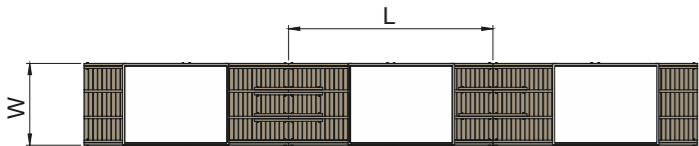
**SERVICE DUCTS**  
 - Internal, not visible;  
 - Can be installed on both sides or in the middle.

**CHAIN ANCHORING SYSTEM**  
 - Robust chain fixing set hot dip galvanized.

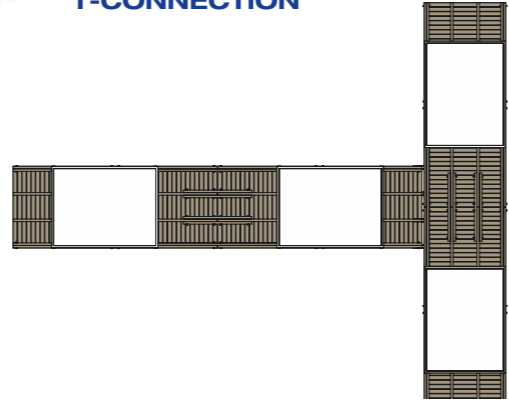
**CONCRETE FLOATS**  
 - Hydrotechnical fiber reinforced concrete C40/50: watertight W6, environmental class XS2, frost resistance XF4 and KK4 according to EN 206-1;  
 - Reinforcement 6 mm fully hot dip galvanized C4 according to ISO 1461 standard;  
 - Expanded polystyrene: density 19 kg/m<sup>3</sup>, strength ≥100 kPa, water absorption ≤3%.

**MOORING FINGER**  
 - Mooring Fingers with rubber connection.

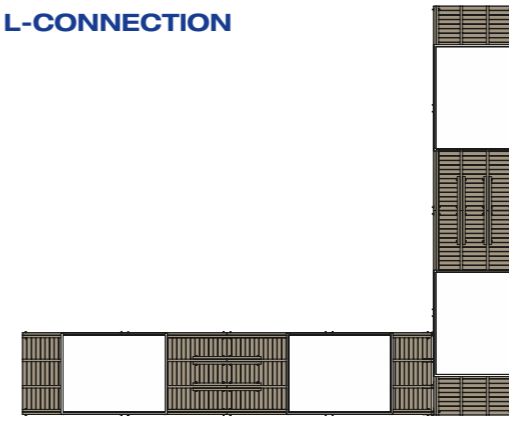
**END CONNECTION**



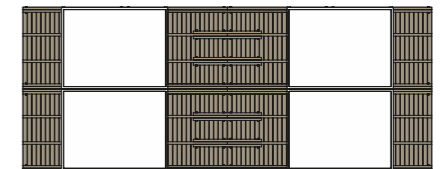
**T-CONNECTION**



**L-CONNECTION**



**SIDE CONNECTION**



# Timber Pontoon Medium with Medium Concrete Floats

<b>Timber Pontoon</b>	Good stability, for year-round use
<b>Intended use</b>	Floating landing stages and floating bridges
<b>Connection options</b>	End connection, side connection, L-connection, T-connection
<b>Structural design</b>	Hydrotechnical fiber reinforced concrete with EPS inside floats, impregnated softwood timber decking, built to required length without visible joints
<b>Anchoring system</b>	Anchoring by chain or elastic rope. Anchoring by piles
<b>Accessories</b>	Mooring rings, mooring bollards, mooring fingers, boat booms, fenders, service ducts, safety equipment, swimming ladders

## Technical Data of the Timber Pontoon Medium with Medium Concrete Floats

Item code		04 10 12	04 12 12	04 20 12	04 22 12	04 30 13	04 32 13
<b>Dimensions of pontoons (m)</b>	<b>Length</b>	8	8	10	10	12	12
	<b>Width</b>	2.0	2.4	2.0	2.4	2.0	2.4
	<b>Height</b>	0.97	0.97	0.97	0.97	0.97	0.97
<b>Number of floats (pc)</b>		2	2	2	2	3	3
<b>Freeboard (m)</b>		0.61	0.6	0.6	0.59	0.61	0.6
<b>Designed load capacity (kN/m<sup>2</sup>)</b>		2.1	1.8	1.7	1.4	2.1	1.8
<b>Designed load capacity (tons)</b>		3.5	3.4	3.4	3.3	5.3	5.2
<b>Weight of the pontoon (tons)</b>		3.3	3.4	3.4	3.5	5	5.1
<b>Allowed max. wave height</b>		0.3 m					
<b>Allowed current speed</b>		1 m/sec					
<b>Allowed ice condition</b>		Allowed static ice load, ice moving is not allowed					
<b>Anchoring systems</b>	<b>Chain</b>	Ø 16 mm					
	<b>Concrete anchors</b>	1000 kg					
	<b>Pile</b>	Ø 300...400 mm, 20 kN					
<b>Boat mooring</b>		Mooring buoys, boat booms, mooring fingers, mooring rings, mooring bollards					
<b>Boat sizes</b>		Boat size up to 12.2 m (40 feet)					

## Technical data of Concrete Float Medium

Item code		04 72 00
<b>Dimensions of concrete floats (m)</b>	<b>Width</b>	1.98
	<b>Length</b>	2.30
	<b>Height</b>	0.750
<b>Weight of float (kg)</b>		1497
<b>Designed load capacities of float (kg)</b>		1919
<b>Designed load capacities of float (kN)</b>		18.82

Download our product CAD details from the ProdLib library.



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Top Marine is a continuously developing firm and may at its sole discretion revise or amend this product catalog without notice.



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