

## Boat Pontoon with Plastic Floats

**Top Marine**  
Floating Marina Installations



<b>Boat Pontoon</b>	Module construction. Easy to transport and install. High bearing capacity.
<b>Intended use</b>	For inland waterway boat harbours.
<b>Connection options</b>	End connection, side connection, L-connection, T-connection.
<b>Structural design</b>	450 l plastic floats filled with EPS foam. Resistant to UV-radiation and freezing. Strong, silent and reliable rubber-bolt joints.
<b>Anchoring system</b>	Anchoring by chain or piles.
<b>Accessories</b>	Mooring rings, boat booms, fenders, swim ladders, safety equipment, railings

### Technical Data of the Boat Pontoon with Plastic Floats

Item code		02 10 06	02 12 06	02 14 06	02 20 08	02 22 08	02 24 08	02 30 10	02 32 10	02 34 10
<b>Dimensions (m)</b>	<b>W</b>	6	6	6	8	8	8	10	10	10
	<b>L</b>	2.0	2.4	3.0	2.0	2.4	3,0	2,0	2,4	3,0
	<b>H</b>	0.71	0.71	0.71	0.71	0.71	0,71	0,71	0,71	0,71
<b>Number of floats (pc)</b>		6x 450 ltr	6x 450 ltr	6x 450 ltr	8x 450 ltr	8x 450 ltr	8x 450 ltr	10x 450 ltr	10x 450 ltr	10x 450 ltr
<b>Freeboard (m)</b>		0.64	0,63	0,62	0,64	0,63	0,62	0,64	0,63	0,62
<b>Designed load capacities (kN/m<sup>2</sup>)</b>		1.9	1.5	1.2	1.9	1.5	1,2	1,9	1,5	1,2
<b>Designed load capacity (kg)</b>		2276	2248	2172	3042	3006	2907	3808	3763	3642
<b>Weight of the pontoon (kg)</b>		424	452	528	558	594	693	692	737	858
<b>Dimensions of floats Wx Lx H (m)</b>		0.8 x 1.2 x 0.49								
<b>Allowed max wave height</b>		0.2 m								
<b>Allowed current speed</b>		1 m/sec								
<b>Ice condition</b>		Allowed static ice load, ice moving is not allowed								
<b>Anchoring systems</b>	<b>Chain</b>	Ø 13 mm								
	<b>Concrete anchor</b>	500 kg								
	<b>Pile</b>	Ø 110...200 mm, 10 kN								
<b>Boat mooring</b>		Mooring buoys, Boat booms, Mooring rings								
<b>Boat sizes</b>		Boat max length 9.1 m (30 feet)								

Revision date 01.01.2019

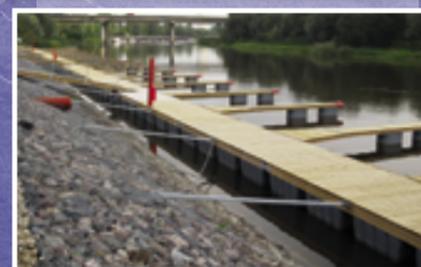
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## Boat Pontoon with Plastic Floats



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**TIMBER DECKING**  
- Planed anti-slip blanks 28x120 mm.

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

**FLEXIBLE RUBBER JOINT CONNECTION**  
- Strong and reliable rubber-bolt joint connection;  
- Connects boat pontoons into one single unit.

**ABUTMENT**  
- Concrete abutment;  
- Abutment on screw piles.

**GANGWAY**  
- Timber gangway;  
- Possibility of railings.

**PILE ANCHORING SYSTEM**  
- An alternative solution for chain anchoring;  
- Has been designed for piles Ø110-200 mm;  
- The design pile load is 10 kN;  
- Large and robust construction;  
- Flexible rubber joints.

**FENDER**  
- Protects mooring fingers or timber pontoons against impacts (colour: white).

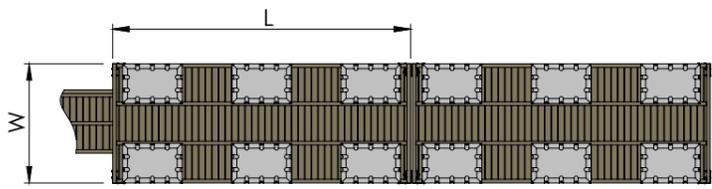
**MOORING RING**  
- Mooring ring (hot dip galvanized).

**PLASTIC FLOAT 450 LTR**  
- Roto moulded from Polyethylene (PE)  
- Filled with expanded polystyrene: density 19kg/m<sup>3</sup>, strength ≥100 kPa, water absorption ≤3%.  
- Protected against UV-radiation and freezing;  
- Designed for year round use.

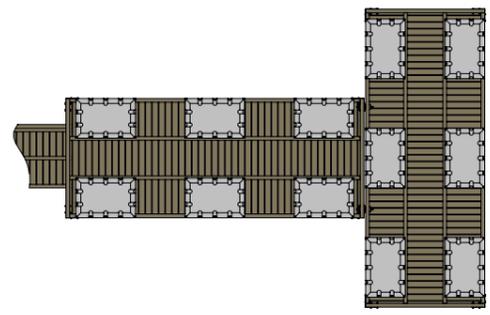
**TIMBER FRAME**  
- Planed timber beam 70x195mm;  
- Strength C24 according to EN 338 standard;  
- Impregnated (vacuum pressure method); class: HC4;  
- All bolts and fittings are fully hot dip galvanized.

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

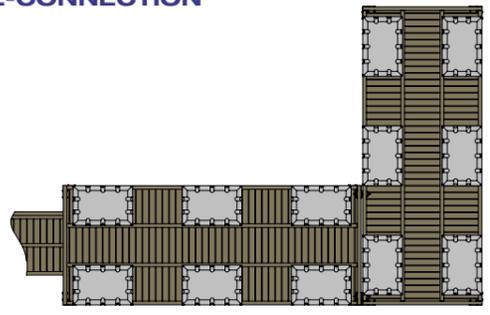
**END CONNECTION**



**T-CONNECTION**



**L-CONNECTION**



**SIDE CONNECTION**

