INTER BOAT MARINAS

Breakwaters





Breakwaters have a solid construction of waterproof reinforced concrete with a core of expanded polystyrene. The sections are 15 or 20 meters long, giving them excellent wave breaking capacity and making them very suitable for protection of bays and harbours. The width can vary from 3 to 6 meters with a height of 1.4 and 1.8 meters.

Breakwaters are available in the following dimensions::

Breakwater type BW14 (height 1,4 meter)
BW14-3015: 15 x 3 x 1,4 meter - 30 ton, **BW14-3020**: 20 x 3 x 1,4 meter - 37 ton
BW14-4015: 15 x 4 x 1,4 meter - 35 ton, **BW14-4020**: 20 x 4 x 1,4 meter - 44 ton
BW14-5015: 15 x 5 x 1,4 meter - 44 ton, **BW14-5020:** 20 x 5 x 1,4 meter - 55 ton
BW14-6015: 15 x 6 x 1,4 meter - 50 ton, **BW14-6020:** 20 x 6 x 1,4 meter - 62 ton

Breakwater type BW18 (height 1,8 meter)
BW18-3015: 15 x 3 x 1,8 meter - 35 ton, **BW18-3020**: 20 x 3 x 1,8 meter - 45 ton
BW18-4015: 15 x 4 x 1,8 meter - 41 ton, **BW18-4020**: 20 x 4 x 1,8 meter - 51 ton
BW18-5015: 15 x 5 x 1,8 meter - 51 ton, **BW18-5020:** 20 x 5 x 1,8 meter - 64 ton
BW18-6015: 15 x 6 x 1,8 meter - 57 ton, **BW18-6020:** 20 x 6 x 1,8 meter - 71 ton

INTER BOAT MARINAS
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Technical information

Load capacity
The standard uniformly distributed load of our breakwaters is: 500 kg/m².

Freeboard
The unloaded freeboard of the breakwaters is at least 40 cm to a maximum of 120 cm, depending on the type of element.

Construction
The breakwaters are made of waterproof concrete with a density of 45N/mm² and reinforced with galvanized steel. The core consists of expanded polystyrene with a density of 15 kg/m³ (EPS60). Specifications can be customized according to customer requirements.

Cable ducts
Plastic cable ducts can be poured in during the manufacturing of the breakwaters.

Fenders
Standard wooden fender frames made of impregnated pine are fitted to both longitudinal sides of the breakwaters. If disered, the fender frames can be made of rubber D-fenders or polyethylene.

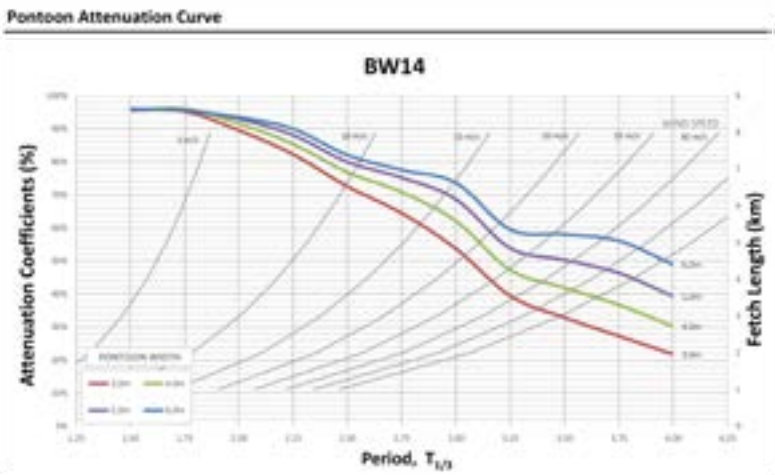
Interconnection
The breakwaters type BW14 are interconnected with heavy-duty semi-flexible connectors of at least 4x672 kN. For the breakwaters type BW18, the connectors are at least 4x1218 kN.

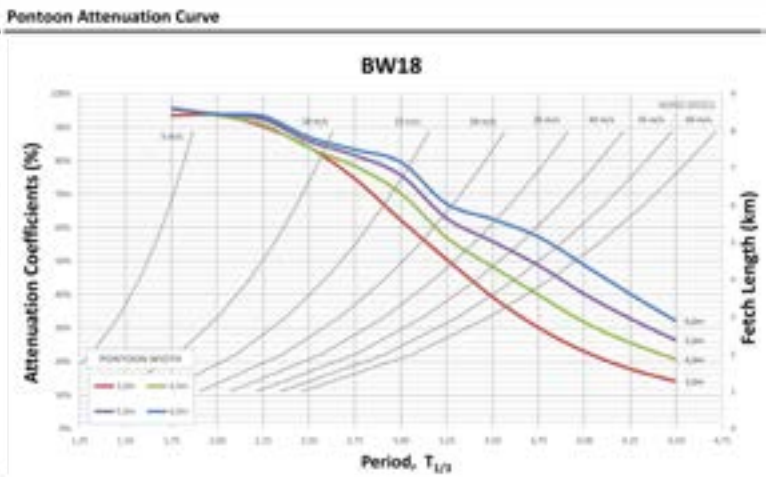
Anchoring
With chains, piles or elastic mooring.

Options
Dock dekking with, for example, hardwood or composite, mooring cleats, concrete pigmentation.









Inter Boat Marinas pursues a policy of continuous development and reserves the right to alter specifications without notice. IBM 24/10-01