

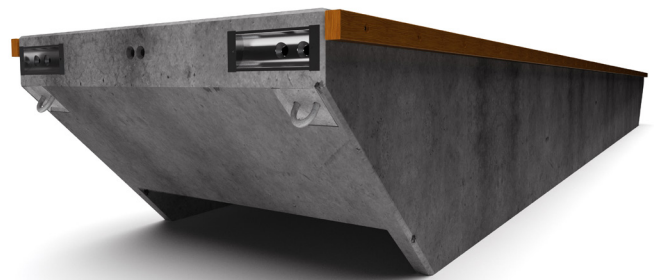
# CONCRETE BREAKWATER

## TYPE SFBW300, SFBW400, SFBW500



The geometry of this pontoon, in combination with our patented coupling and an advanced mooring system, makes our floating breakwater an excellent wave attenuator. This pontoon have been developed gradually over a number of years and today there are numerous reference-installations in use worldwide. The breakwaters from SF MARINA are all-concrete pontoons with all the advantages of high stability and buoyancy.

The all concrete and styrofoam construction of the pontoon produces a very high degree of buoyancy thus making it virtually unsinkable. As a result of the use of high quality materials, coupled with a thorough manufacturing process, the pontoon enjoys a long life-span. Each standard pontoon is designed to accept electrical and water supply services. Normally, the pontoons would be moored using chains and blocks. This pontoons are first and foremost as a floating breakwater. However, they can be used universally where the potential of a pontoon having high stability and freeboard can be utilized.



### SPECIFICATIONS

The pontoon is manufactured in accordance with the Swedish Concrete Standards BBK 04

#### SF BW 300

Length:	10, 12, 15, 20 m
Width:	Incl. fender 3.25 m
Width:	Excl. fender 3.0 m
Height:	1.8 m
Weight:	Approx. 20, 24, 30, 40 ton
Freeboard:	Approx. 0.5 m
Buoyancy:	Approx. 500kg/m <sup>2</sup>
Connectors:	2 units W 300/400 per joint
Breaking load:	W 300: 2x70 ton per joint
Breaking load:	W 400: 2x105 ton per joint

#### SF BW 400

Length:	10, 12, 15, 20 m
Width:	Incl. fender 4.25 m
Width:	Excl. fender 4.0 m
Height:	1.8 m
Weight:	Approx. 27, 33, 42, 55 ton
Freeboard:	Approx. 0.5 m
Buoyancy:	Approx. 500kg/m <sup>2</sup>
Connectors:	2 units W 400/500 per joint
Breaking load:	W 400: 2x105 ton per joint
Breaking load:	W 500: 2x140 ton per joint

#### SF BW 500

Length:	10, 12, 15, 20 m.
Width:	Incl. fender 5.25 m.
Width:	Excl. fender 5.0 m.
Height:	1.8 m.
Weight:	Approx. 32, 40, 50, 65 ton.
Freeboard:	Approx. 0.5 m.
Buoyancy:	500kg/m <sup>2</sup>
Connectors:	2 units W 400/500 per joint.
Breaking load:	W 400: 2x105 ton per joint.
Breaking load:	W 500: 2x140 ton per joint.

All-concrete pontoons: Concrete: C40/50. Air 6%. Wct < 0.4. Reinforcement: Nps 500, Ks 500. Styrofoam: min. 60kPa.

Cast-in materials: Stainless or hot-dipped galvanised steel. Wood fender: Pressure-treated pine 95 x 145 mm.

Other dimensions can be offered upon request. Rights reserved for alterations.

