

Flexifloat



CONSTRUCTION SYSTEMS



The Flexifloat Construction System

Robishaw Engineering's Flexifloat Construction System® is a combination of standardized, interlocking flotation modules and modular attachments for use in inland-marine, heavy construction projects such as bridge building, underwater excavation, expedient bridging and material transport. The system is optimally designed for use in shallow water and in locations that are inaccessible to conventional barges and inland-marine construction equipment.

Components of the Flexifloat System are designed and dimensioned for ease of handling, freedom of transport and simplicity of assembly. All units are sized for efficient road-transport by conventional tractor/trailers.

The Flexifloat System incorporates a simple high-strength, integral locking system that enables flotation modules to be interconnected side-to-side, end-to-end or end-to-side. Using ordinary hand tools, construction crews can easily assemble individual modules into larger, custom-shaped assemblies capable of providing the necessary buoyancy and stability for on-deck construction machinery and supplies.

Modular attachments, including ramp and rake sections, anchoring spuds, hydraulic and mechanical winch systems and ancillary attachments allow further customization of assemblies to meet the specific needs of the user.

The Flexifloat Construction System provides flexible and economic solutions to marine construction needs.



Built Tough, Sized for the Job

Flexifloats are precision-built, steel pontoons specifically designed for shallow-draft, inland-marine environments. They are heavily reinforced to withstand repeated use under extreme load conditions. The internal design is optimized to provide high structural rigidity and exceptional deck-bearing capacity.

Flexifloats are manufactured in three different depths, or **Series**. Additionally, there are two standard lengths within each series; full-length **Quadrafloats**, and half-length **Duofloats**. These depth and length combinations permit the user to size and shape a barge to match specific job requirements.



Flexifloats are available in three model series

Series	Width	Depth	Length	
			Duofloats	Quadrafloats
H-50	7.5'	3.8'	15'	30'
S-50	10'	5'	20'	40'
S-70	10'	7'	20'	40'

Easy and Economical to Transport

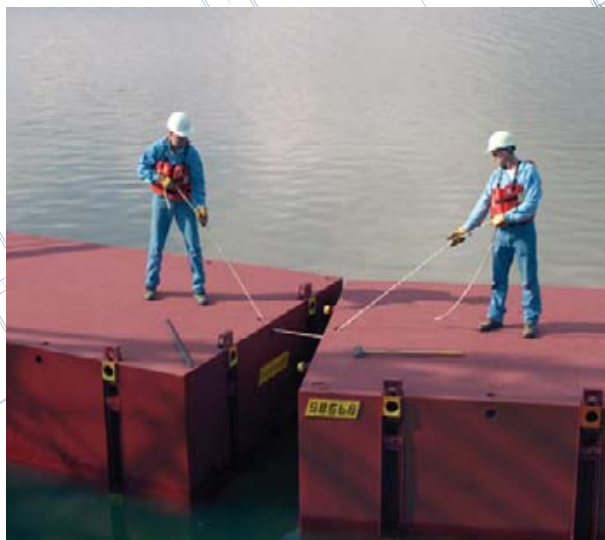
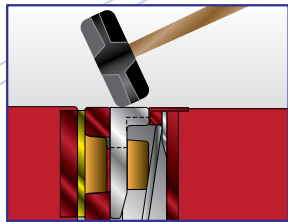
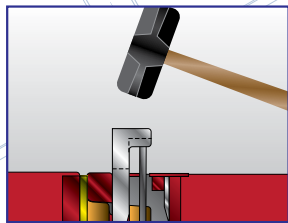
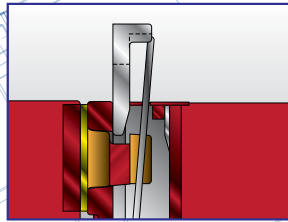
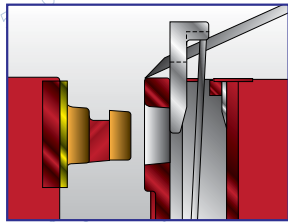
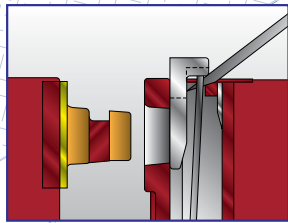
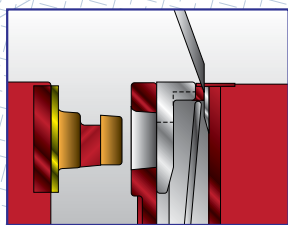
Flexifloats are optimally dimensioned for truck transport either as single or multiple, stacked units. To facilitate handling, a simple, single-point, recessed lifting device is centrally located in the deck of each unit.



Fast Connections, No Loose Parts

Flexifloat sectional barges are connected by a high-strength locking system. Utilizing opposing "male" and "female" locks, the connection is simple, quick and positive. The locking system is completely integral to both modules and attachments and has no separate pins, bolts, or other loose parts which may be lost or damaged.

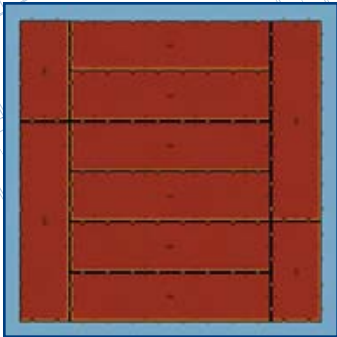
Locks are designed for on-deck operation by inexperienced personnel using ordinary hand tools. The design and manufacture of the locking system is so precise that, once engaged, the connection is near-rigid with no discernible play between modules.



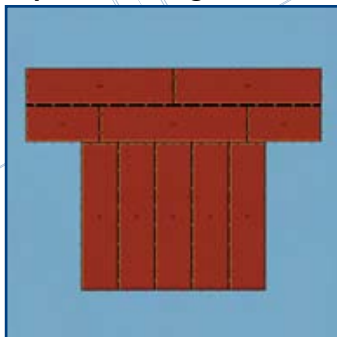
Designed for on-deck connection using ordinary hand tools.

Shaped Assemblies, Strong and Versatile

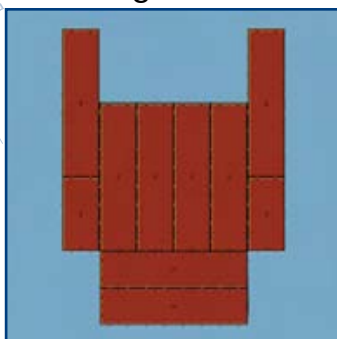
Flexifloat modules are easily connected side-to-side, end-to-end or end-to-side to form larger platforms of various shapes suitable for all types of marine transport and construction applications. Hulls configured with the proper combination of Quadrafloat and Duofofloat modules provide significant increases in structural strength and overall barge versatility.



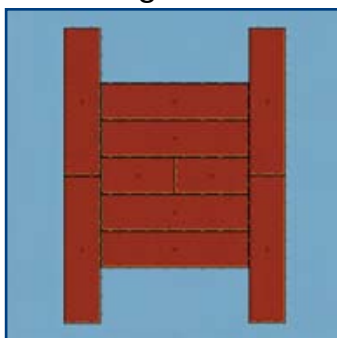
Square Configuration



T – Configuration



U – Configuration



H – Configuration



Easily Add Attachments to Meet Project Requirements

Standardized attachments and accessories are available which may be added to Flexifloat platforms to enhance their operational capability. Attachments are truck-transportable and, in most cases, incorporate the same locking system so that they may be quickly and easily added to any assembly.



Spud Systems



Elevating Systems



Ancillary Attachments



Winch Systems

Whatever the Job

Flexifloat modular barges and attachments can be assembled into floating and elevated platforms that will effectively solve the flotation and bridging problems found in shallow-water marine applications.

There is virtually no limit to the practical application of Flexifloat technology.

Crane Barges

Pile Driving Barges

Dredge Barges

Elevated Platforms

Floating Docks

Expedient Bridging

Ferries & Transports

Drilling Barges



The Robishaw Value Equation Includes Experience, Free Consultation and Nationwide Inventory.

Robishaw Engineering's staff is uniquely qualified to assist our clients and prospective customers with a comprehensive analysis of their flotation needs and provide recommendations and economical solutions to their marine requirements.

Analysis

Working closely with clients, we develop and analyze information as to the scope of work to be performed, site conditions, access and environmental restrictions, as well as the types, weights and layouts of the equipment to be used.

Design

To insure proper application of the equipment, each Flexifloat assembly is uniquely designed and configured by our engineers to provide the minimum possible draft while maintaining adequate stability and absolute structural integrity under anticipated environmental and operational load conditions.

Field Support

Although Flexifloat equipment requires no special training for assembly and installation, Robishaw engineers are available upon customer request to provide on-site consultation and assistance.

Technical services are available free of charge and backed by qualified, on-site assistance and continuing support. Our business philosophy is based on total dedication and service to our clients, whenever and wherever they require it.

Availability

Flexifloat equipment is available for rental or purchase from in-stock inventories of both new and used equipment. Inventory yards are located throughout the U.S. to reduce transportation time and costs to the user.

Give Us a Call



800.877.1706

www.flexifloat.com

info@flexifloat.com

