

Specifications:		
LOA:	14' 5 "	4,40 m
Max. Beam:	4'	1,22 m
Hull weight:	150 lbs.	68 kg
Sail area:	69 sq.ft.	6.4 m2
Material:	Stitch and Glue	

Moonfish \Moon"fish` \, n. (Zo["o]l.) (a) An American marine fish (Vomer setipennis); -- called also mola, bluntnosed shiner, horsefish, and sunfish.

Technically, our Moonfish is a lateen rigged board boat similar to the Fun Fish, Shock sailboard, Skimmer, Jumper, Mini-Cup etc. etc. all designed for amateur building but none in stitch and glue. Also produced in fiberglass under the names Phantom, Sunfish, Dolphin and maybe more.

Our Moonfish has a vee-hull and the typical lateen rig but was designed as all our boats, with ease of building as a top priority.



The Moonfish is slightly longer than the Sunfish and the sail area a little smaller but one could rig this boat not only with a complete Sunfish rig but also use a Sunfish rudder and daggerboard. Attention: there is no backwards compatibility, our rudder and daggerboard are different and will not fit a Sunfish.



Options:

The shallow cockpit can be fitted with foot straps, and rigging details like the downhaul and tiller extension can be adapted to suit the sailors preference.

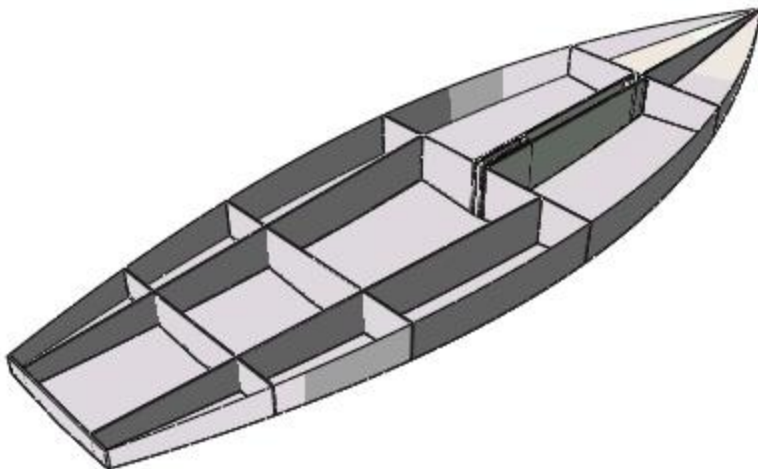


The plans show a fixed rudder blade but it would be easy to build a lifting rudder.

The rig is made of plain aluminum tubing assembled with parts that one can find in any hardware store. We included dimensions and parts layout to build the rudder fittings from plain aluminum flat stock: no need to pay expensive marine store prices.

Building method:

The Moonfish is assembled around one longitudinal frame and a few transversal frames.



The daggerboard and mast step are build in one piece and contribute to the stiffness of the hull. We use a combination of cleats and epoxy-fiberglass seams for the assembly.

All parts are epoxy coated inside and outside, all seams are fiberglassed, the hull bottom is completely fiberglassed.

Required Skills:

The Moonfish can be build by a first time builder.

Dimensions for all parts and full size patterns for the frames and rudder are included in the plans. The plans include step by step instructions with pictures of every stage of the hull assembly.

The dimensions for the spars, rudder fittings and sail are all included in the plans.

BOM:

The plywood layout was calculated to minimize waste: we show the nesting of all parts on the plans. Our [Okoume plywood](#) is an ideal choice for this boat but any marine plywood would be perfect and quality exterior with no voids is acceptable.

Plywood 4x8' (122x244cm)		
1/4" (6mm)	5	
1/2" (12mm)	1	
Fiberglass (Totals)		
Woven tape	42 yards	38 m
Woven fabric	5 yards	4,5 m
Resin		
Epoxy, total	3 gallons	12 liters

Labor:

The hull ready to paint will require on the average 30 hours or less but another 20 hours will be necessary for the appendages and spars.

More:

Visit our message board, help pages, tutorial pages and read our FAQ: most questions are answered there.

Plans Package List:

Detailed drawings with all dimensions required to cut the sides, bottom, framing, deck and all parts from flat plywood sheets: no lofting, no templates required.

- Nesting drawings for the best plywood layout with numbered parts.
- Construction drawings showing assembly and parts numbers for small hardware.
- Drawings list:
 - B244_1 Plan and Profile
 - D244_2 Nesting
 - D244_3 Construction
 - D244_4 Frames
 - D244_5 Expanded Plates
 - B244_6 Appendages
 - B244_7 Sail Plan
 - D244_8 Full Size Patterns - Frames & Transom
 - D244_9 Full Size Pattern - Rudder
- Specific assembly and building notes for this boat
- Bill Of Materials
- Help files reference list and more.