



SPECIFICATIONS

LOA	7' 10"	2,40 m
Max Beam	3' 10"	1,15 m
Designed Weight	55 lbs.	25 kg
Sail area	35 ft ²	3 m ²
Recommended HP	2HP	outboard
Material	Plywood Cored Epoxy Composite	

BUILDER THREADS ON OUR FORUM

[Cascadie - D5 weight in 4mm? - Central Oregon - USA](#)

[OneWayTraffic - Stuart's D5 Dinghy - New Zealand](#)

[bratzcpa - Montana built D5 - Montana - USA](#)

[ArizonaBuilder - D5 - OneOff I - Arizona - USA](#)

[John D Willimann - UK D5](#)

[dinghyfisherman - D5 Bass Tub - Florida - USA](#)

[jeremy - My D5 set sail! - Colorado - USA](#)

[nonsly - Yet Another D4 Build](#)

[nickbob00 - D5 Build - Surrey - UK](#)

[simonk - D5 Finished! - Bristol - UK](#)

[john1 - Nesting D5 - New Zealand](#)

[jmatosp2 - D5 almost build pictures - Portugal](#)

TABLE OF CONTENTS

Specifications	1
Builder Threads on our Forum	1
Description	3
Building Method	3
Required Skills	3
Options	3
Labor	3
Bill of Materials	3
More	4
License	4
Building Standards	4
Plans Packing List	4

DESCRIPTION

This design is for a simple but very practical dinghy. It is based on a pram built some years ago in the Caribbean and that gave many years of reliable service. The requirements were typical of a dinghy for a long-range cruising boat: must fit on deck, be easy to launch and retrieve, stable, must row well in a chop, have a capacity of 2 or 3 persons. It will also take a small outboard and a sail.



BUILDING METHOD

This boat is built from flat plywood panels assembled with epoxy-fiberglass tape. The construction method is called "stitch and glue". For a detailed description of the stitch and glue boat building method, see our "How To" section where you will find a complete illustrated tutorial as well as information about epoxy, fiberglass, and plywood. The spars (mast and sprit) are made from 1x3 boards (12x30 mm) epoxy glued together. No shrouds required: very simple.

REQUIRED SKILLS

The D5 dinghy is very easy and fast to build, there are no butt joints. The sides are cut from one standard sheet of plywood. No woodworking skills or special tools are required.

OPTIONS

There are two sail options for the D5 dinghy: marconi (triangular) or sprit sail, as in the drawing on the main page. The sprit sail is our preferred one: low center of effort = more stability and the spars stow in the hull.

LABOR

The average construction time for the hull is 30 hours.

BILL OF MATERIALS

Plywood (4x8' – 122x244cm)	
6 mm (1/4")	2
9 mm (3/8")	1 1/2

Also see our [CNC Kit](#), which is a precut plywood kit that includes all the plywood needed to build the boat as designed.

Fiberglass Fabric and Tape		
Fiberglass Biaxial Tape 45/45 6 oz., no mat, 6 in.	50 yards	46 m
Resin		
Epoxy	1 1/2 gallons	5.7 liters
Also see our MarinEpoxy or Silvertip Epoxy kits which include all of the epoxy and fiberglass listed.		

This BOM covers all the supplies for this boat as designed. Usage of materials will vary in function of several factors. An experienced builder will use less resin. First time builders always use more resin, take that in account. Our resin usage calculations are based on a 50% glass content. Options, customization, and variations in fabric and foam cutting preferences will also affect the Bill of Materials. Our figures show an estimated average. Small variations in fiberglass specifications are acceptable, consult us for substitutions.

MORE

Visit our [forum](#), help pages, tutorial pages and read our FAQ: most questions are answered there.

LICENSE

As with all our plans, you have the right to build one boat from those plans. The designer holds the copyright to the design, and you purchase a license to build one boat. If you plan to build more than one boat, please contact us about licensing fees.

BUILDING STANDARDS

These plans were drafted according to the ABYC rules. The ABYC (American Boat and Yacht Council) defines the boat building standards in collaboration with the USCG. Professional builders may be subject to more requirements. Consult the designer.

The ABYC standards are very close to the ISO norms and CEE requirements, but no European certification was applied for since this is not required for amateur boat building in Europe. CEE/ISO certification is available to professional builders for a fee.

PLANS PACKING LIST

Plans are available in metric or US units.

-  B229_1 Plan and Profile
-  B229_2 Nesting
-  B229_3 Construction
-  B229_4 Expanded Plates
-  B229_5 Assembly & Lamination Schedule
-  B229_6 Details
-  D229_7 Sail Plan
-  E229_8 Full Size Patterns: Frames & Transoms