

DRIADE chine hull

design by Paolo Lodigiani and Matteo Costa



DESCRIPTION AND GENERAL FEATURES

The DRIADE cannot be truly considered a real canoe, but rather as a rowing boat, ideal for those who wish to train for rowing with a simpler, more versatile, easier to handle and cheaper boat than the typical rowing skiffs – which are much longer and more difficult to handle. Of these, the DRIADE maintains some features such as sliding seats and outriggers, but has the advantage of being easily transported on top of a normal car. The boat is quite stable to be used also for touristic excursions, although this was not the original reason for which it was devised. Speed is closely linked to its floating length and is not that of a real canoeing boat, but thanks to its streamlines, lightness and rowing efficiency, it is much faster than a normal rowing boat of the same size. Both the chine and round version have similar characteristics.

GENERAL DIMENSIONS

Length OA	4,46	m
Length WL	3,98	m
Deck beam	0,78/1,68	m
Waterline beam	0,67	m
Draft	0,08	m

Weight	25	kg
Displacement (in navigation)	100	kg

The plans of DRIADE chine hull include the following documents

- Presentation of the boat and general features
- Building instructions
- List of materials and technical specifications
- List of fittings and equipment

DRAWINGS

sheet 1	General views in body, profile and plan	1:20
sheet 2	Lines plan	1:15
sheet 3	Planking developed surfaces	1:15
sheet 4	Plywood panels nesting	1:15
sheet 5	Bulkheads dimensions	1:5
sheet 6	Bulkheads reinforcements	1:5
sheet 7	Longitudinal section	1:20
sheet 8	Construction details	1:10

This design is the copyright of B.C.A. DEMCO KIT. The purchaser of the plan is entitled to build one boat only. To build more than one boat please contact the designer.

For further information contact



B.C.A. - Demco Kit

via Ricciarelli 21
20148 Milano
ITALY

tel +39 0248708331
web www.bcademco.it
mail bcademco@gmail.com

DRIADE chine hull

MATERIALS LIST

PLANKING

2 panels of marine grade plywood 4 mm thickness, dimension: 2,6x1,5 m.

It's recommended to sheat all the outside hull planking with fiberglass cloth (135 gr/sqm) to increase hull strength and prevent scratches.

COCKPIT AND DECK

1 panel of marine plywood 6 mm thickness, dimension: 3,2x1,6 m.

BULKHEADS AND OUTRIGGER

1 panel of marine plywood 12 mm thickness, dimension: 2,6x1,5 m.

Outriggers are made by three layers of 12 mm plywood (total thickness 36mm)

Bulkheads are in marine grade plywood 12 mm thickness:

- **bulkhead 1** aft face at 253 mm from hull stem;
- **bulkhead 2** aft face at 1172 mm from hull stem;
- **bulkhead 3** aft face at 1919 mm from hull stem;
- **bulkhead 4** fore face at 3021 mm from hull stem.

Bulkheads are connected to hull planking by fiberglass tape as tabbing (8 cm, 280 gr/sqm).

REINFORCEMENTS

For reinforcements details see attached scantling list.

RESIN AND FIBERGLASS SHEATING

Necessary for the construction:

a) in case of covering entirely the exterior of the hull with fiberglass cloth:

- 1 pack of resin 5+1 kg;
- 40 m of BX fiberglass tape of 280 gr/sqm, width 8 cm;
- 4 sqm of fiberglass cloth 135 gr/sqm, height 100 cm;
- 4 sqm of *peel-ply* cloth;

b) in case of tapering only the edges (1 tape along the inner edge, 1 tape along the outer one):

- 3 packs of resin 1+0,2 kg;
- 55 m of BX fiberglass tape of 280 gr/sqm, width 8 cm;
- 1 sqm of *peel-ply* cloth (optional).