



49er

The 49er is the two person one-design skiff which has transformed competitive dinghy sailing offering performance, excitement and spectacle, previously only found in 18 footers, together with the unmatched ferocity of competition only generated in Olympic fleets.

The Hull

Designed by skiff supremo Julian Bethwaite, the ultra light, slender hull offers minimal resistance with no noticeable speed hump. This means the 49er smoothly accelerates onto the plane and the speed just goes on rising.

The most remarkable feature of the 49er at first sight is its solid wings which make the boat safe and a joy to sail. Running from wing to wing is easy helping newcomers quickly climb the "skiff learning curve".

Trapezing from these wide wings, the crew members generate a massive righting moment to control the power from the huge sail area, and continue accelerating the boat.



The Rig

The enormous sail area means that the 49er is fully powered up in about 8 knots of breeze. The composite mast gives effective gust response above this wind speed, making control of such a large rig possible. The high boom means there is plenty of room to move around the boat, whilst a self tacking jib frees the crew to concentrate on playing the mainsail upwind and the asymmetric spinnaker downwind. The short foot on the spinnaker and radical new style of cut means the sheet loads are kept to a minimum, allowing many shapes and sizes of crews to sail the boat effectively.



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Specification

Overall Length	4.99 m
Beam	2.9 m
Hull Weight	70 kg
Main & Foresail	21.2 sq.m
Asymmetric Spinnaker	38 sq.m
Designer	Julian Bethwaite

Construction

Hull and Deck	Epoxy GRP with foam sandwich laminate for stiffness and light weight. Carbon fibre in high load areas.
Foils	GRP laminate with foam core, making exceptionally light and strong dagger board and rudder blade. GRP rudder stock with vertically lifting "dagger" style rudder blade.
Spars	From 2009 an all carbon mast will replace the alloy / carbon- glass spar. Aluminium alloy boom. Composite bowsprit.
Sails	Fully battened mainsail and jib for shape stability and long competitive life. Mylar film with Kevlar and aramid fibre weave for light weight and low stretch. Tri-radial spinnaker cut for shape stability and long life.

Boat Options

Complete 49er

includes wings, sails, mast, boom, pole, foils, fittings but no lines or sheets

Complete 49er Ex rig

includes wings, pole, foils, fittings

49er Hull only

includes wings and deck fittings only