

JACK HOLT DESIGNS

NATIONAL "SOLO"

The Editor of the Yachting World asked Jack Holt to design a "Build-Yourself" single-hander to be added to the long list of Yachting World Boats. Solo is the designer's brilliant conception of what such a boat should be. The Solo is just over 12 ft. in length, plywood skinned and frameless, with a very large reserve of buoyancy. In conformity with the Finn class, which has been selected as the single-hander for the last and the forthcoming Olympic games, Solo is unriggered.

The fully battened mainsail is something of an innovation in Great Britain; but this type of sail has been extensively used on the Continent. The full width battens allow the flow of the sail to be adjusted to suit the weather. The shape of the sail can thus, to some extent, be controlled and so it can be made more efficient. Off the wind the maximum area of the sail comes into play.

Sailing a boat with this type of sail requires a different technique. Unlike the soft sail, the luff does not lift when sailing too close to the wind, and the position of the flag as well as the estimated speed through the water have to be accepted as alternative guides. Once the feel of the rig comes to be appreciated we are convinced that helmsmen will like it.

The sail can be reefed, as much as will ever be necessary, but no means of reefing while sitting out under way has yet been devised, and the possibility is that Solo is so stiff that reefing will seldom be found necessary.

On trials she showed herself to have a remarkable performance. In light airs she ghosted along in an incredible manner and in stronger breezes she proved stable, easily controllable and possessed of a remarkable turn of speed. She planes easily but, unlike a deep chested boat which planes on the after part of the hull, she runs level and planes on almost the whole of her length. She has perfect manners, no vices and is a pleasure to sail as a great many helmsmen will come to know. Every artifice has been used to save weight because it must be appreciated that a boat of this kind may, on occasion, have to be manhandled by her crew of one.

Let it not be thought that the owner of one of these single-handers can use his boat for nothing but racing. Solo can safely carry two adults and, if necessary, a couple of children as well. There is no reason, therefore, why the family should not go bathing or picnicking in her when not actually engaged in racing.

Owing to her light weight, Solo can be trailed behind the smallest car and a specially light-weight trailer has been developed by the designer to carry this and other similar small boats. As an alternative the boat can be carried upon the roof of a small car.

The hull is of simple construction and eminently suitable for the amateur builder. Being designed for one person there is only a small amount of rocker on the keel, the sections are fairly flat to give good stability and the double chine helps appearance and reduces wetted surface. A small foredeck extends just aft of the mast and the sidedecks continue to the transom. Built-in buoyancy runs the whole length of the boat beneath the fore and side decks. It is divided into three parts by a bulkhead just forward of the mast.

The midship part of each side-deck slopes inward to form a comfortable seat for sitting out and the centreboard case has wide toe-rails built into the top edge. The latter are an essential part of the structure of the case and also make a helmsman's seat when sailing in light winds. The centreboard is wooden, of moderate depth and friction controlled. It can also be adjusted by tackles whilst sailing on either tack without the helmsman having to move inboard.



Photograph by Eurnham (Somerset) Motor Boats Ltd.

L.O.A.	12 ft. 4½ in. 3.76 metres
Beam	4 ft. 11 in. + 2 in. rubbing band = 5 ft. 3 in. 1.5 metres
Bare hull weight	150 lbs. 68 kilos
Draft with plate	3 ft. 5 in. 1,041 mm.
.. without plate	4½ in. 114 mm.
Sail Area	90 sq. ft. Racing Rig 8.362 m ²
	63 sq. ft. Cruising Rig 5.853 m ²

NATIONAL SOLO

O. D. Class Dinghy

High Performance single-handed racing dinghy

Sheeting arrangements are optional and can either be the normal English dinghy practice from a track horse on top of the transom, or from a similar track on the main thwart, which is curved downwards from the gunwales following the deckline to the top of the plate casing. The travel of the sheet block on both horses is controlled by an easily adjusted line.

All details of Class Association, Registration of Boats, Measurement Forms and Rule Books can be obtained from the Class Secretary.

Miss H. Turnbull,
20, Hermitage Close, London Road, Slough, Bucks.

R.Y.A. National status as from 1st January, 1963—Administration and Registration of boats will be carried out by
Royal Yachting Association,
171 Victoria Street, London, S.W.1.

PLANS

A set of plans is necessary for assembling the kit

Price £2/2/0 post 2/- extra

KIT OF PREFABRICATED TIMBER PARTS

Every wooden part necessary to complete the boat is supplied in this kit.

All parts are supplied as specified in the Plans and jig machined, from Prime Sitka Spruce or Prime African Mahogany, on modern high speed machines.

Solo is a plywood boat, and because we are by far the largest boat kit manufacturers in the country we have the marine plywood specially manufactured for us to the highest grade of British Standard Specification 1088 in Mahogany.

Plywood panels are marked out on full sheets and a good allowance given for fitting.

All parts are machined as far as practicable, and in most cases merely require to be fitted.

Transom, bulkheads and rudder are sent out ready made up, and mast and boom are glued up.

Centreboard case is assembled as far as practicable.

Price (including Royalty) £66

BUILDING STOCKS

Temporary building stocks, braces and floor blocks are necessary for building this boat and we lend these to kit buyers only against receipt of a deposit of £8 of which £7 is refunded as soon as these items together with the packing case are received by us, providing stocks have not been altered or damaged.

£8/0/0 deposit

£7/0/0 returnable

GLUE AND FASTENINGS

All brass screws and copper nails as listed in Plans are supplied, together with 3 lbs. Aerolite 305 glue, 1 lb. of Aerolite hardener.

£3/10/0

Postage extra if not sent with kit.

PAINT AND VARNISH

Paint, Varnish, Primer and Stopper for painting outside of Hull and varnishing remainder.

£5.0.0

Carriage extra if not sent with kit.

PARTLY ASSEMBLED HULL

Stage 1A—Planked up hull with centreboard case, bulkhead and main deck beam fitted—£52/10/0 ex works, London.

Stage 2A—All wood parts to complete Stage 1A hull including centreboard, rudder, tiller and fastenings, glue to complete—£22/10/0 ex works, London.

Stage 3—Mast and boom ready for finishing—£15 13s. 6d. ex works, London.

Total cost Stage 1A, 2A & 3—£90/13/6 ex works, London.

Finished Boat

Complete Solo—Boat complete with all spars, lifting rudder, centreboard, transom track mainsheet horse, kicking strap and blocks, mainsheet and blocks (the standard boat does not include centreboard tackle, reefing claw rings or central mainsheet horse), stainless steel rudder, boom, mast and hull fittings where possible. Outside of hull to choice of one colour—White, Black, Racing Blue and Racing Red.

Price (Royalty Paid) ex works, sails extra £170/0/0

Sails

Racing rig "Powersails" by Jack Holt in White heat set Terylene material complete with all accessories (long battens, sail bag, insignia and numbers).

Price £21/10/0 (post and packing 7/6 per suit if sails are not supplied with boat).

Summary of kit and part assembled hull

(A) To assemble yourself		(B) To complete bare hull	
Plans	2 2 0	2 2 0	
All timber parts (including royalty)	66 0 0		
Bare hull and parts (including royalty) Stage 1A, 2A and 3			90 13 6
Fastenings to complete	3 10 0		
Fittings and Rigging (Set A)	23 9 5		23 9 5
Paint, varnish	5 0 0		5 0 0
*Total cost to build ex works, less		Total cost to complete, ex works	
sails	£100 1 5	less sails	£121 4 11

The price of sails should be added to above prices.

* Add £8 deposit to total of (A) for loan of building moulds and packing case.

† Polyurethane paint kit 55/- extra.

37. Centreboard downhaul tackle with deck leads and pulley blocks (HA) ...	1 0 0
38. Mast lead for reefing halliard HA/152 ...	2 9
39. Centreboard hoist lug Part No. 42 ...	6 0
40. Central track mainsheet horse with slide, control line, cleat and eye ...	16 9
41. Reefing kicking strap claw ring HA/64 with distance tube. (If this fitting is used Item No. 24 of Set A is not required.) ...	1 0 6
42. Central horse boom fitting HA/4215 ...	10 0
43. Reefing central mainsheet claw ring HA/64 with distance tube ...	1 1 6

Alternatives and extras available—

	Stainless steel/ Terylene
33a. Reefing halliard ...	19 6
36a. Centreboard uphaul tackle (Spun Nylon) ...	2 10 0
37a. Centreboard downhaul tackle (Spun Nylon) ...	1 3 6
44. Boat cover—12oz. proofed canvas, with deep tapered skirt. Flat type Shedding type (to fit over boom) ...	9 17 0 10 10 0
45. 3ft. 6in. Spruce Paddle, varnished ...	1 2 6
46. Zephyrace Super-lightweight pennant (4in.(102mm.) x 5in.(127mm.)) ...	7 6
47. Zephyrace Super-lightweight pennant (6in.(153mm.) x 8in.(224mm.)) ...	12 6
48. Name and club initials in gold "Monolets" 1½in. ... each	1 9
49. Measurement and buoyancy tests in accordance with the class rules and preparation of measurement form ...	4 10 0
50. Anchor 4lb. Fisherman, galvanised ...	1 8 3
51. Anchor line—60ft. ½in.(13mm.) circ. Nylon rope ...	1 0 0
52. Anchor line—30ft. ½in.(13mm.) circ. Nylon rope ...	10 0
53. 3in.(77mm.) base fairleads, handed, Nylon HA/162 ... pair	6 6
54. 3½in.(89mm.) flat top mooring cleat, Nylon HA/163 ...	3 3
55. Self bailer, Holt-Allen 155 ...	1 8 0
56. Stainless steel swivelling mainsheet lead with jamb cleat HA/4176 ...	2 16 3

Spares

	Ready for finishing	Varnished (less fittings)	Complete fittings/rigging	Complete-Stainless steel/Terylene
57. Mast ...	12 0 0	17 0 0	26 10 0	28 7 6
58. Boom ...	3 13 6	5 0 0	*7 7 6	—
59. Lifting rudder ...	3 16 0	—	7 10 0	8 0 0
60. Centreboard ...	2 12 6	—	7 5 0	—
61. Tiller ...	1 1 0	—	2 5 0	2 14 9
62. Cranked Tiller ...	1 15 3	—	3 0 0	3 9 9

*Boom centre horse £7 10s. 0d.

