

RULES OF MEASUREMENT AND CONSTRUCTION

Revised 17th March 2009

1. Design

- i.* The design is jointly the property of the Streaker Class Owner's Association and Jack Holt Designs Limited.
- ii.* The authority in all matters regarding the boat is the Streaker Class Owner's Association.

2. Construction

- i.* Wood boats shall be made from kit supplied by the Streaker Class Owner's Association, or their nominees, also from patterns as an alternative to the present kit of pre cut panels.
- ii.* To be accepted into the Class the boat must conform to the design. The hull design is governed by the bulkhead and planking panels supplied in the kit and no alteration shall be made to the profile of these parts other than trimming or bevelling to fit.
- iii.* Hull planking shall be of a nominal thickness of 5mm. decking, bulkheads and tank panels shall be of a minimal thickness of 4mm for all new boats built after 1st August 1993. *NB: Glass sheathing of Hull is prohibited.*
- iv.* In construction to the number of fairings and rounding's of beads and hull edges is optional. While the foregoing shaping is optional, no addition in size of the parts supplied is permitted.
- v.* Replacements or parts requiring repairs, the shape of the originals shall be maintained. The number and position of joints in any panel is not limited to those shown in the diagram but the overall shape must not be altered.
- vi.* Gunwales and rubbing beads size and shape optional with progressive tapering permitted.
- vii.* Gunwale overhang from hull at sheer line not to exceed 50mm nor be less than 15mm unless within 500mm of stem or transom where additional tapering may take place
- viii.* Two knees are to be fitted to the forward end of the dagger-board case; shape and size not to extend above the casing or more than 275mm from the sides of the casing. *NB: Not applicable for false floor.*
- ix.* Foils may be constructed of either plywood, solid or laminated wood, glass reinforced plastic with or without a plastic foam core or any combination of these materials. The type of resin and or coating is optional.
- x.* The thwart to be constructed of wood, minimum width 110mm. Cut-outs are permitted. Curved thwarts are permitted within measurement tolerances.
- xi.* False Floor permitted as per Association Plans which forms [Sheet 5](#) of 'The Streaker Class Owner's Association Guide to Builders and Measurers' which is downloadable from the Class Association website (www.streaker-class.org.uk), or in hardcopy format from the Class Secretary. The false floor may come as far aft as the rear of the thwart.
- xii.* Floor battens must be as provided by the Streaker Class Owner's Association, or their nominees, or as specified in plans.
- xiii.* An additional bulkhead is allowed, approximately 250mm aft of No 1 bulkhead.
- xiv.* A Boat, which is the subject of major refurbishment, such as re-decking, hull panels replaced, false floor added etc. shall be re-measured by an approved measurer.

3. Measurement

- i.* The measurement form is a check that the One Design principle is maintained. Changes in parts not covered by the listed measurements are not acceptable. The authority has the right to disallow any such alterations.
- ii. SPARS* - To maintain the One Design, New or Replacement Spars must be as original from the approved spar supplier. The following spar manufacturers have been approved to supply Streaker spars; Holt Allen, Evolution (Custom Spars), Selden and Superspars. Only the Mast Sections specified are allowed: Cheetah S5116, Aldebaran, Rigel, Lambda and MHR. Only the Boom Sections specified are allowed: HA4516, Deneb (93), Deneb, 2628 and BHD. Repairs, fittings and rigging, except where options are stated shall be the same type without additional uses.
- iii. SAILS* - New* (see rule 10x on measurement of new sails) or substantially altered sails shall be measured by a measurer who shall sign and date the sail near the tack. The details shall be recorded on the certificate and the entry signed by the measurer or Class Secretary.
- iv.* Measurement must be undertaken using the '[Measurement Form](#)' and '[The Streaker Class Owner's Association Guide to Builders and Measurers](#)'. Both documents are downloadable from

the Class Association website (www.streaker-class.org.uk) or in hardcopy format from the Class Secretary.

4. Registration

- i.* The registered number on all wooden boats shall be etched or engraved on the keelson within the cockpit area.
- ii.* The registered number on all FRP/GRP and Composite boats shall be etched or engraved on the aft outside face of the transom.
- iii.* The etched or engraved registered number shall be at least 12mm high.

5. Weight

- i.* As from 1st January 1993, all existing boats to weigh at least 48kg. A dispensation is given to existing boats at this date to carry correctors up to a maximum of 6.5kg.

6. Buoyancy

- i.* The hull has four buoyancy compartments, which should be watertight.
- ii.* No 1 - Stem to bulkhead No.1.
- iii.* No 2 & No 3 - From bulkhead No. 1 to transom.
- iv.* No 4 - Between side compartments extending from bulkhead No. 5 to transom.
- v.* Each compartment may have one hatch or drain holes (or both), the hatch openings not to exceed 155mm in diameter.
- vi.* Boats built without a false floor fitted may have an opening in Bulkhead No.2 of not more than 300mm wide and 230mm high. A removable cover or Hatch may be fitted if required.
- vii.* If a false floor is fitted to the boat, there is no restriction on the width of opening in bulkhead No.2 which, can be extended to the side-tanks. Minimum depth to opening in bulkhead No.2 from top of deck 65mm.
- viii.* Two openings for drainage through bulkhead No. 2 alongside the Keelson are required for the space between bulkheads No. 1 and 2, drain holes may be fitted with bungs.
- ix.* The measurer shall inspect the prescribed buoyancy tanks to ensure they are in good condition.

7. Permitted Optional Equipment

- i.* Sail Luff tension devices.
- ii.* Sail foot control.
- iii.* Halyard type and securing. *NB: The sail shall be hoisted and lowered by a halyard in such a way it can be operated afloat.*
- iv.* Reefing points and fittings to reef.
- v.* Kicking strap and tension adjusters and attachment to the boom.
- vi.* Lead and/or cleats for mainsheet to hand.
- vii.* Simple (non lever) drilled chain plate type shroud adjuster on forestay in place of lanyard.
- viii.* Toe straps, except they may not extend outboard of sheer line.
- ix (a)* Keel bands and Chine bands shall be of metal or plastic; these may be either screwed or glued to the hull. Standard banding ('D' Section) is preferred which, conforms to the section size of - 10mm (± 5 mm) wide and 3mm (± 1 mm) depth. The Chine bands shall only be fitted to the hull bottom panel and shall be a Maximum of 1500mm long, at the outer edge following the curve of the lower chine.
- ix (b).* Protective edges of optional material may be fitted to dagger-board and rudder blade, within permitted measurement tolerances.
- x.* Type and position of wind indicator.
- xi.* Type and number of self bailers.
- xii.* The tiller and tiller extension shall be of optional material and length.
- xiii.* The rudder stock, pintle and gudgeon to be of optional design and material. The rudder blade shall pivot within the stock. Below the keel the blade shall be in accordance with the profile shown in 'The Guide to Builders and Measurers'. Above the keel the blade may be modified to fit the rudder stock.
- xiv.* A washboard may be fitted forward of the shroud plates and centrally forward of the mast, and must not exceed 50mm above the deck at any point.
- xv.* Righting lines.
- xvi.* Compass (traditional or digital) and mounting.

- xvii.** An eyelet, strap band or sleeve on boom to hold main sheet to boom.
- xviii.** Gybe rope attached to boom.
- xix.** Internal sleeving of 'Rigel' masts as fitted and supplied by Jack Holt Ltd or Evolution (Custom Spars).
- xx.** The complete sealing, or foam insertion of spars for buoyancy is permitted.
- xxi.** All electronic devices are forbidden, except as allowed by Rule 7, xvi.
- xxii.** An elastic strop to hold the boom out.
- xxiii.** Boom lightening holes – A maximum of 3 holes are allowed in the aft half of the boom on both sides. *For details of the Boom refer to Sheet 7 of the 'Guide to Measurers and Builders'.*
- xxiv.** Drain tubes with a maximum diameter 50mm are allowed through the aft tank for draining of the cockpit, and through the false floor/dry locker for the draining of the forward buoyancy tank.
- xxv.** A Dagger-board/foil retaining device. Dagger-board slot gaskets are prohibited.
- xxvi.** Grab rails may be attached inside the cockpit.

NB: Where cleats and block are permitted by the rule, they may include mountings.

8. Optional Position of Equipment

- i.** The mast can be set at any rake, the position is controlled at the deck, and the keel stops are adjusted to suit. *NB. Adjustment cannot be made whilst sailing.*
- ii.** The mast heel plug can be of an optional design; either tennon or saddle, provided Measurement rules 60 and 61 are not contravened.
- iii.** A track type Mast Step may be used in lieu of the stops, for use with tennon type heel plug. *NB. Adjustment cannot be made whilst sailing.*
- iv.** Stay length adjustments are not permitted while racing.
- v.** The rear transom bridle shall be fitted to the deck-eyes.
- vi.** Deck-eyes for the rear transom bridle must be placed outside the sheer-line of the boat and positioned on the gunwale.
- vii.** A single cleat may be fitted for the rope bridle. This cleat shall be fitted on the angled side-deck below the main deck.
- viii.** The dagger-board may be used at any position and angle, the shape of the board and internal shape of the case permits. The internal shape of the dagger-board case shall not be increased, nor the part of the dagger-board that remains in the case be reduced to allow greater movement. The dagger-board shall be in accordance with the profile shown in 'The Guide to Builders and Measurer'
- ix.** The dagger-board shall be fitted with a handle/stop provided the fitted handle/stops do not infringe measurement rule no. 48.
- x.** The rudder blade may be used at any angle to the stock.
- xi.** Mainsheet to hand may be led from the fixed centre take-off point or direct from the mainsheet bridle. Pure centre sheeting is prohibited.
- xii.** Number of purchases of main sheet.
- xiii.** The dagger-board may have a hole for hand control to be contained within a rectangle 35mm x 120mm in the part of the dagger-board that is never below the keel line. Additional handle fittings are permitted provided the fitted stops prevent infringement of measurement No. 48.
- xiv.** A maximum of four deck holes for control lines are allowed in the foredeck aft of the mast within the king plank area. The maximum diameter of the holes allowed, before the fitting of a standard lining bush, is 15mm. The minimum distances permitted between the holes centres is 25mm.
- xv.** To facilitate the mainsheet running inside the Boom. The boom may be tapered at its outboard end up to a maximum of 350mm (not including the end fitting). A slot may be cut underneath the boom to allow the mainsheet to exit from inside. The slot is to be a maximum of 250mm long.

For details of the Boom please refer to Sheet 7 of the 'Guide to Measurers and Builders'.

9. Crew

The crew is one or two persons, but the number shall be same for the whole of each race.

10. Sail

- i.* Sails shall not exceed the listed measurements, but the camber is optional.
- ii.* A window is permitted, of clear plastic with the height not greater than 300mm and the length no greater than 900mm.
- iii.* There shall be 3 batten pockets in the leech. The two lower battens shall not exceed 765mm and the top batten shall not exceed 610mm.
- iv.* The sail is to be white in colour. The sail insignia is a blue diagonal stripe between 140mm and 165mm wide, at approximately 90 degrees to the leech of the sail. The upper edge of the insignia shall be measured from the aft edge of the sail headboard along the leech.
- v.* The body of the sail shall consist of the same ply throughout. Ply fibres shall be of polyester. Reinforcements shall consist of the same materials permitted in the body of the sail. The property of the sail cloth, either laminate or traditional woven cloth shall not exceed a modulus of 250 and a minimum cloth weight of 150g/m².
- vi.* The following are permitted: Stitching, glue tapes, bolt ropes, corner eyes, headboard with fixings, Cunningham eye/pulley, tack strap and buckle, Velcro or other fastening, batten pocket elastic, mast and boom slides, sail-maker label, tell-tales.
- vii.* The sail shall be set so that no part of the sail shall extend above the lower edge of the upper mast band or beyond the inner edge of the boom and where the foot of the sail meets the mast it shall not be set lower than the upper edge of the lower mast band.
- viii.* Deleted (see Rule 10x).
- ix.* A smaller (storm) sail may be used. The suggested dimensions are Luff: 4237mm, Leach: 4510, Foot: 2425mm. The sail need not to be measured, but must conform to measurement numbers 69, 70 and 71.
- x.* Whilst the manufacturer of sails is optional the Streaker Class Owners Association approves sails made by the following manufacturers. **'Sail Register', 'Speed Sails' and 'Rooster'**. Sails supplied by these manufacturers are certified as 'in class' and do not require to be measured. The Streaker Class Owners Association still retains the right to measure any sail supplied by these manufacturers and also to review their status as approved suppliers. Sails manufactured by other sail-makers are subject to the sail being measured and signed by a Streaker Class Owners Association nominated measurer.
- xi.* Advertisements as allowed for under **'Rules of SCOA 10e Class Racing'**, which are attached to the sail shall only be positioned below the class sail numbers. The advertisement shall not interfere with the clarity of the class sail number or the class identification logo.

11. Amendments/Additions to Rules of Measurement & Construction for GRP/FRP and Composite* Boats.

- i.* GRP/FRP boats and hulls for composite boats shall only be built by a licensed builder as approved by the Streaker Class Owners Association, which may be reviewed from time to time as the Streaker Class Owners Association may decide.
 - ii.* The interior and deck design of GRP/FRP boats can be modified to allow for the construction techniques required by these materials. Any such modifications must be as approved by the Streaker Class Owners Association.
- Rule 2.iv.** Not applicable.
- Rule 2.x.** The thwart to be constructed of wood, or GRP/FRP, minimum width 110mm. Cut-outs are permitted. Curved thwarts are permitted within measurement tolerances.
- Rule 4.i.** The registered boat number is to be etched / engraved on the transom, numerals to be of height minimum 12mm.
- Rule 6.ix.** In the case of GRP/FRP constructed boats, there may be one continuous buoyancy compartment. Where this is so, the side sections are to have sufficient foam/polystyrene to provide flotation of the boat should the compartment be damaged and/or water logged. GRP/FRP hulls for composite boats to have buoyancy compartment(s) as per wooden boats.

12. Advice to Measurers

- i.* Hull measurements 17-43 excluding 23 are taken at the distances shown from the aft face of the transom measured along the hull surface, along the hull keel or chine corners as

appropriate. The 'keel' is defined as the centreline of the hull where the outer surfaces of the 2 bottom panels would intersect.

ii. For measurements 58 & 59, the aft side of the mast shall be defined as the aft side of the Luff groove or its extension.

iii. Measurement 8a is taken from the Sheer-line at the aft edge (face) of the transom.

iv. For sheer line measurements, it is suggested that an overhang piece is cut out of card or similar material.

v. The boat must comply with the rules contained in this document in all aspects. It is not acceptable merely to complete the measurement form. The measurer's signature implies that all the above have been checked.

vi. Measurement rule 52 – Depth of Rudder. Set the boat level (spirit level on the dagger-board case top), then set the rudder blade vertical, draw a line (horizontal) parallel to the base line from the point of intersection of the transom and the keel, across the rudder blade. Measure from line to end of rudder. See 'The Guide to Builders and Measurer'

13. Measurements of GRP/ FRP and Composite* Boats

i. All certificates to be endorsed with the mould number or Manufacturers name.

Once the production boat from the mould has been checked by the association, in the case of:

ii. GRP/FRP boats, only measurements 1-3, 6-9, 24-26, 48-75 and 12b if a false floor is fitted to the boat need be measured.

iii. GRP/FRP Composite* boats, only measurements 1-18, 23-26, 44-75 need be measured.

* Those boats having GRP/FRP bottom and sides with a wooden deck and/or bulkheads.