

INTERNATIONAL 420 CLASS ASSOCIATION



The following amendments to the Class Rules have been approved to be effective 1st March 2006.

Rule Part III – Appendices

Amendment: Change effective date of the hull templates from the “1st March 2006” to the “1st January 2007 for currently fully licensed builders for new builders the templates are effective immediately.”

The following amendments to the Class Rules have been approved to be effective on the 7th April 2006. Note a correction was made on the 21st July to correct a difference in the value shown on the rudder diagram and that of the actual text of the rule.

Rule E.2 CENTREBOARD

Amendment: Replace existing rule E 3.1 to E 3.3 and diagram 11 with the following rules:

- E.2.1** The **centreboard** shall be of even thickness, minimum 16 mm and maximum 20 mm throughout, except that it may be bevelled to a maximum distance of 105 mm from the edges. Except for permitted bevelling, the thickness shall not vary by more than 1 mm.
- E.2.2** The centreboard shall be made from one or a combination of the following materials; wood, plywood, polyester resin reinforced with glass fibre, epoxy reinforced with glass fibre and/or plastic foam which includes micro-balloons and may be painted.
- E.2.3** The profile of the **centreboard** shall conform to the dimensions and tolerances specified on the measurement diagrams 13 & 14.

Lines (OA) and (OE) build the reference axes for length and width respectively, and shall be square to each other. Point (O) is the origin for both axes.

The contour of the centreboard is defined by the points A, origin O, E, G, the lines (GH) and (AI)

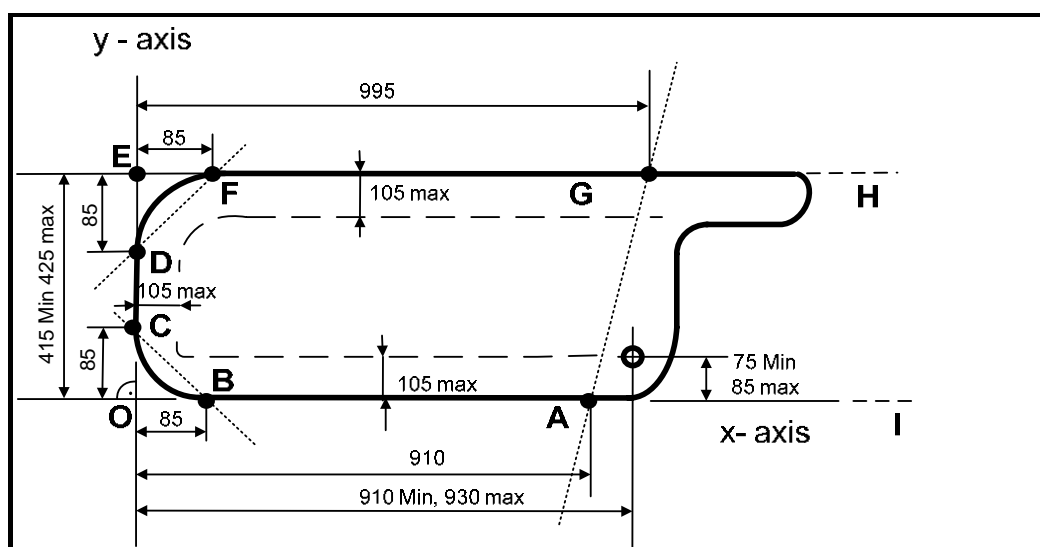


Diagram 13

Point A is on the X axis, 910mm from origin.

Point B is on the X axis, 85mm from origin.

Point C is on the Y axis, 85mm from origin.

The centreboard shall always touch points A, B and C, which are integral to it.

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Point F is the point on the trailing edge 85mm from axis Y.
 Point G is on the trailing edge at 995mm from Y axis.
 Point E is the extension of the trailing edge (FG) on the Y axis.
 Point D is the point on the lower edge 85mm from point E, measured along axis Y. It shall be not more than 2mm from axis Y.

The trailing edge (FG) is parallel to the x-axis: the distance of point (G) from the outmost point of the leading edge, measured along y-axis, shall be equal to width (OE) within 2mm. At no point the width of the centreboard shall be more than 425mm or less than 415mm.

	minimum	maximum
Distance from the centre of the pivot hole to the x-axis	75 mm	85 mm
Distance from the centre of the pivot hole to the y-axis	910 mm	930 mm
Distance from E to the x-axis	415 mm	425 mm
Total (positive, negative or both) deviation of an edge from a straight line:		
Between points A and B from the x-axis		2 mm
Between points C and D from line (CD)		2 mm
Between points F and G from line (FG)		2 mm

Point I is on the X-axis. Lines (AI) and (GH) are parallel. The profile of the centreboard inside area HGAI is free, but no part of it shall lay outside this area.

The shape of the lower corners of the centreboard shall lie within the shaded areas in diagram 14, and no part of the bottom edge of the centreboard shall lie outside the polygon formed between points B, B', C', D', F' and F.

Point B' is the point on the x-axis ~~45~~ 45 mm from origin O.
 Point C' is the point on the y-axis ~~45~~ 45 mm from origin O.
 Point D' is the point on the y-axis ~~30~~ 45 mm from point E.
 Point F' is the point on line (EG), ~~30~~ 45 mm from point E.

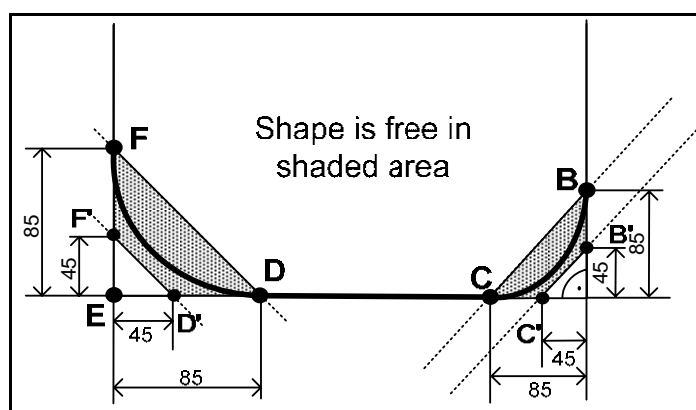


Diagram 14

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The following amendments to the Class Rules have been approved to be effective 1st July 2006.

Rule A.2

New Rule:

A.2.3 The term "permanent" shall mean unable to be removed with simple tools, or fixed with glue or rivets. For limit marks, it shall mean unable to be removed and repositioned without destroying them.

A.2.4 All units are metric and all dimensions unless otherwise stated are in millimetres.

Rule A.4

New Rule:

A.4.3 Notwithstanding anything contained herein, the **certification authority** has the authority to withdraw a certificate and shall do so on the request of the **ISAF**.

Rule A.12

New Rule:

A.12.2 A Measurement **certificate** becomes invalid upon:

- a) Change of ownership,
- b) Alterations other than permitted routine maintenance such as small repairs, painting, sanding and polishing to items required by the IMF to be measured,
- c) Withdrawal by the **certification authority**.
- d) The issue of a new **certificate**.

Rule A.13

New Rule:

A.13.3 When the **certificate** has become invalid under A.12.2 (c), the **certification authority** may issue a new **certificate** at its discretion.

Rule C.5

New Rule:

C.5 **PORTABLE EQUIPMENT**

C.5.1 **FOR USE**

a) **OPTIONAL**

- 1) One hand bailer or bucket and/or sponge
- 2) One magnetic compass (electronic compass devices are not permitted) fixed to a mounting bracket. The compass shall not recess into either side tank or deck. The mounting bracket may be attached on the **mast** or may be used to close the mast gate.

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- 3) Electronic or mechanical timing devices, which shall be removable.

C.5.2 NOT FOR USE

a) OPTIONAL

- 1) One paddle
- 2) Spare parts such as blocks, shackles, ropes etc.

Rule D.4.1.2

Amendment : Replace the first sentence with

D.4.1.2 For boats **fundamental measurement** by current fully licensed builders after the 1st January 2007 the base line shall be set at 200 mm below the HDP and 92 mm below the keel at 3780 mm from the HDP. For new builders the effective date is 1st March 2006.

Rule E.3.3

Amendment:

E.3.3 The **rudder stock** shall be made of aluminium alloy and/or stainless steel and the tiller of wood or aluminium alloy. Strips of any material may be added to reduce friction and/or the distance between the rudder stock and rudder blade. The rudder stock shall not act as an extension of the hull. The rudder blade shall be made of one or a combination of the following materials; wood, plywood, polyester resin with glass fibre, epoxy with glass fibre and/or plastic foam, which includes micro-balloons and may be painted.

Rule F.3.4.2

Amendment:

F.3.4.2 The boom spar shall be of the same cross section throughout and shall not be tapered.

Rule F.3.5.1

New Rules:

F.3.5.1.5 A device for preventing the mainsail from being set outside the outer point, to ensure compliance with C.7.3.2.2

F.3.5.1.6 Permanently painted / taped outer limit mark in a contrasting colour.

Rule F.4.4(a)

Amendment: add to the end of the existing rule “which may incorporate knots, toggles or short tubes for easier handling.”

Rule F.5.1.2

Amendment: Add to the current rule “The trapeze wires may be substituted with rope for a maximum length of 500mm from the handhold.”

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Rule G.1.2

Amendment: Replace the existing rule with “Unless otherwise specified in these rules, **sails** shall comply with the current **class rules**.”

Rule G.3.2.6 -

New Rule:

G.3.2.6 The **leech** shall not extend aft of straight lines between:

- (1) The **aft head point** and the intersection of the **leech** and the upper edge of the lower **batten pocket**.
- (2) The intersection of the **leech** and the lower edge of a **batten pocket** and the intersection of the **leech** and the upper edge of an adjacent **batten pocket** below.
- (3) The **clew point** and the intersection of the **leech** and the lower edge of the nearest **batten pocket**.

Entire Class Rule Document

Amendment: has been renumbering and rearrange to be more inline with the standard class rule format together with editorial amendments to the grammar