

INTERNATIONAL A CLASS BOAT MEASUREMENT FORM

1994

Authority: IYRU Model Yacht Racing Division

IN ORDER TO OBTAIN A MEASUREMENT CERTIFICATE

- 1 The owner or the builder shall apply to the owner's DM for a registration number.
- 2 A measurer, officially recognised by a DM, shall take all the measurements on this form and the Rig Measurement Form.
- 3 The forms, when completed, together with any registration fee shall be submitted to the owner's DM.

IN ORDER TO HAVE ADDITIONAL RIGS ENTERED ON THE CERTIFICATE

- 1 An official measurer shall measure the rigs and fill in a Rig Measurement Form.
- 2 The form together with any fee shall be sent to the owner's DM.

BEFORE SUBMITTING PLEASE MAKE SURE THAT THIS FORM IS PROPERLY COMPLETED

Name of Boat Registration Number

Owner's Name

Owner's Address

Designer

Name of Design

Builder(s)

Date of First Measurement

DECLARATION BY THE OWNER

I undertake to race this boat only as long as I maintain it in conformity with the class rules and that only sails, spars etc, which have been checked by an official measurer will be used.

Signature Date

Note to the DM regarding Registration Number Application: Send the applicant one copy each of the Boat MF, the Sail Identification Marks MF and the Rig MF

1. If the measurer feels the slightest doubt concerning the rule conformity of any part of the boat or the rigs, he shall report it on the Measurement Form and send it to the DM.
2. The boat and all rigs shall conform with all the class rules, even if some of the rules are not mentioned on the Measurement Form.
3. All linear measurements are in millimetres unless otherwise specified. Measurements shall not be rounded before comparison with maximum or minimum values. Measured values shall be correctly rounded to the nearest whole number before recording.
4. Calculated values shall be correctly rounded to the nearest whole number before recording and use in subsequent calculations.

HULL AND APPENDAGES

ITEM	RULE	MEASUREMENT	
1.	3.1.1	Is the hull a monohull ?	Yes/No
2.	3.3.6	Is the forward 20 mm of the hull made of an elastomeric material ?	Yes/No
3.	3.4.1	Does the hull carry national letters and registration number painted, engraved or moulded in ?	Yes/No
4.	3.4.2	Is height of national letters and registration number displayed on hull or deck a minimum of 20 ?	Yes/No
5.	3.7.1	Are the measurement marks of constant width between 2 and 6 wide and of a colour which contrast strongly with the colour of the hull or deck ?	Yes/No
6.	3.7.3.a	Is a measurement mark placed on deck with its forward edge at the foreside of the mast ?	Yes/No
7.	3.7.3.b	Is a measurement mark placed on deck with its aft edge at the forward end of the base of the fore triangle ?	Yes/No
8.	5.1.2.	Is it possible to move the mast fore and/or aft ?	Yes/No
9.	3.7.3.c	Are the limits of the movement of the base of the fore triangle marked ?	Yes/No

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| 10. | 3.6.5 | Is the deck round at every section less than 1/24 of the local beam measured deck edge to deck edge ? | Yes/No |
| 11. | 4.2.1 | Is the ballast density 11.3 kg/dm ³ or less. | Yes/No |
| 12. | 3.2.2.a | Does any part of any appendage cut the waterline when centred ? | Yes/No |
| 13. | 3.2.2.b
3.4.4 | Is there a bridged hollow in the bow profile ? | Yes/No |
| 14. | 3.2.2.c
3.3.5 | Are there any projections below the waterline ? | Yes/No |
| 15. | 3.3.5 | Are there any appendages more than 20 thick which project beyond the waterline ending ? | Yes/No |
| 16. | 3.7.2.a | Is the forward waterline measurement mark placed so that the measured waterline will include any appendage which cuts the waterline as in 12, any bridged hollow as in 13 and any projection as in 14 and 15 ? | Yes/No |
| 17. | 3.7.2.b | Is the aft waterline measurement mark placed so that the measured waterline will include any appendage which cuts the waterline as in 12 and any projections as in 14 and 15 ? | Yes/No |
| 18. | 4.1.1 | Are there any appendages which join the hull more than 25 from the centreline or which move fore and/or aft or which retract ? | Yes/No |
| 19. | 3.3.1 | Does section hollow exceed 3 measured in accordance with rules ? | Yes/No |
| 20. | 3.3.2 | Is the sheerline a fair and continuous curve between measurement points ? | Yes/No |
| 21. | 3.3.3.a | Aft of the forward waterline ending and below 10 below the sheerline, are there any hollows in the surface of the hull ? | Yes/No |
| 22. | 3.3.3.b | Do any hollows in this region exceed 2 when checked with a 300 long straight edge ? | Yes/No |
| 23. | 3.3.3.c | Do any hollows within a 50 radius of the QBL and waterline beam measurement points exceed 0.5 in 50 ? | Yes/No |

24. 3.2.8 What is the weight of the boat ? kg
25. 3.2.2 What is the horizontal distance between inboard edges of the waterline ending marks.
26. 3.2.5 What is the distance between the fore and aft quarter beam measurement points ?
- Starboard Port
27. 3.2.11 What is the freeboard at the forward end of the measured waterline length ?
- Starboard Port
28. 3.2.11 What is the freeboard at the centre of the measured waterline length ?
- Starboard Port
29. 3.2.11 What is the freeboard at the aft end of the measured waterline length ?
- Starboard Port
30. 3.6.2 What is the maximum draught ?
31. Rig Measurement Form attached. Yes/No

MEASURERS COMMENTS :

I certify that I have taken the measurements on this form, that the particulars on this form are correct and that, to the best of my knowledge, the boat conforms to the rules of the International 'A' class at present in force, excepts as I have stated.

Name Officially recognised by

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BLOCK CAPITALS

DIVISION MEMBER

Signature Date

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INTERNATIONAL A CLASS RIG MEASUREMENT FORM

1994

GENERAL NOTE TO MEASURERS

Boat Registration Number

1. The measurer shall permanently mark the leech cross width measurement points on all sails.
2. All linear measurements are in millimetres unless otherwise specified. Measurement shall not be rounded before comparison with maximum or minimum values. Measured values shall be correctly rounded to the nearest whole number before recording.

ITEM	RULE	MEASUREMENT	
Spars			
1.	5.1.1	Is the mast fitted with a rotating fairing or can the mast rotate ?	Yes/No
2.	5.1.4	Is the permanent set in the foreside of the mast between the middle measurement band and the deck level measurement mark more than 10 ?	Yes/No
3.	5.2.1	Is the main boom more than 25 deep or wide ?	Yes/No
4.	5.3.1	Does the spinnaker boom exceed 25 diameter ?	Yes/No/NA
5.	5.3.2	Is distance between the centreline of the mast and outer most point of attachment of the spinnaker no greater than 'J' ?	Yes/No/NA
6.	5.3.3	Is the spinnaker boom controlled independently of the main boom ?	Yes/No/NA
7.	5.4.2	Is any fitting any bigger than is reasonably required for its purpose	Yes/No
8.	5.5.1	Are the measurement bands of constant width between 2 and 6 and of a colour which contrasts strongly with the spars ?	Yes/No
9.	5.5.2.c	Is the upper edge of the lower mast measurement band placed where a line extended through the top of the main boom cuts the aftside of the mast ?	Yes/No
General			
10.	6.1.1	Does the sail plan consist of more than one jib, one main and one spinnaker ?	Yes/No

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| 11. | 6.1.2 | Is the headsail tack or jib boom swivel approximately on the fore and aft centre line of the hull ? | Yes/No |
| 12. | 6.2.1 | Are the sails <i>soft sails</i> ? | Yes/No |

Mainsails

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|-----|-------|--|--------|
| 13. | 6.3.1 | Are the mainsails basically triangular ? | Yes/No |
| 14. | 6.3.2 | Does the number of battens exceed 4 ? | Yes/No |
| 15. | 6.3.3 | Does the upper batten exceed 150 long ? | Yes/No |
| 16. | 6.3.3 | Do any of the other battens exceed 200 long ? | Yes/No |
| 17. | 6.3.4 | Does the headboard height and/or width exceed 25 ? | Yes/No |
| 18. | 6.3.5 | Is the <i>aft head point</i> more than 25 aft of the mast ? | Yes/No |
| 19. | 6.3.6 | Does the <i>leech</i> between centreline of the upper batten and the <i>aft head point</i> lie more than 10 outside a straight line between those points ? | Yes/No |
| 20. | 6.3.6 | Does the <i>leech</i> between the centreline of the lower batten and the <i>clew point</i> lie more than 10 outside a straight line between those points ? | Yes/No |
| 21. | 6.3.7 | Does the <i>foot</i> extend more than 25 below the measurement points ? | Yes/No |

Jibs

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|-----|---------|--|--------|
| 22. | 6.4.1.a | With the jibs held on the centreline, does the line through <i>tack point</i> and <i>head point</i> or any part of a luff spar fall outside the line between the middle mast measurement band and the fore triangle measurement mark ? | Yes/No |
| 23. | 6.4.1.b | Does the jib boom extend aft of the fore side of the mast ? | Yes/No |
| 24. | 6.4.1.c | Does the rule cross width of any jibs exceed $0.5 J + 50$? | Yes/No |

Other Headsails

25. Are there any headsails with a rule cross width greater than $0.5 J + 50$? (If not then ignore this section). Yes/No
26. 6.4.2.b Do the foot lengths exceed $2J$? Yes/No
27. 6.4.2.d Are battens fitted ? Yes/No
28. 6.4.2.e Does the attachment point of the head and tack fall outside a straightline between the middle mast measurement band and the fore triangle measurement mark ? Yes/No

Spinnakers

29. Are there any spinnakers ? (If not then ignore this section) Yes/No
30. 6.5.1.a Does the maximum headboard width exceed $0.05 J$? Yes/No
31. 6.5.1.c Does the length of any spinnaker leech exceed the height of the fore triangle I ? Yes/No
32. 6.5.1.d Do the *foot, quarter half* or *three quarter width* of any spinnaker exceed $2J + 152$ mm ? Yes/No
33. 6.5.1.e Is the *half width* less than $J + 100$? Yes/No
34. 6.5.1.f Are battens fitted ? Yes/No

Identification Marks

35. 6.6.1 Is the Sail Identification Marks Measurement Form attached ? Yes/No

Sail Area and Measurement

36. 5.5.2.c What is height of upper edge of the lower mast measurement band ?
37. 5.5.2.a What is the height of the lower edge of the upper mast measurement band ?
38. 6.7.1 What is distance from forward edge of main boom measurement band to nearest point on aft side of the mast above lower mast measurement band. In case of double luff this dimension is taken to fore side of mast ? (B Luff Perpendicular)

