

# INTERNATIONAL ONE METRE CLASS RIG/SAIL MEASUREMENT FORM

2003

RIGS AND ITS SAILS MEASURED (cross out as appropriate)

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Hull Registration Number .....

## GENERAL NOTE TO MEASURERS

- 1 Measurements shall be carried out in accordance with the Equipment Rules of Sailing except where varied in the **class rules**.
- 2 The **boat** shall comply with all the **class rules** in Sections D, E, F, G and H even if some of the rules are not mentioned on the measurement form(s).
- 3 This measurement form may be used for up to three **rigs** and its **sails**. Cross out the numbers above for **rigs** and its **sails** which have not been measured. Ring the numbers which have been measured.
- 4 To have more **rigs** and its **sails** added to the **certificate** the **official measurer** shall measure the **rigs** and its **sails** and complete a new rig/sail measurement form. The rig/sail measurement form, together with any re-**certification** fee that may be required and the current **certificate** shall be sent to the owner's **certification authority**.

## PARTS

- 1 F.1.1 Does any **rig** comprise more than: one **mast**, one mainsail **boom**, one headsail **boom**, standing **rigging**, running **rigging** and fittings? yes / no

## GENERAL

- 2 F.2.3 Do all parts of the rig function in a way that is normal for items of their type? yes / no
- 3 F.2.4(c) Are any ball and/or roller bearings used in any items except for: kicking strap fitting, gooseneck, mainsail boom sheet blocks, headsail boom sheet blocks, headsail boom swivel? yes / no

## MAST

- 4 F.3.1(a) Is the principal material of the **spar** aluminium alloy or wood? yes / no
- 5 F.3.1(b) Are other materials on the **spar** limited to: adhesive, paint, powder coat, varnish, wax? NA / yes / no
- 6 F.3.2(b) Is the **spar** section between **upper point** and **lower point**: of circular outer shape and constant except for: internal sail track, local cutaways, openings for fittings and/or **rigging**, internal and/or external **spar** joiners? yes / no
- 7 F.3.3(a) Are the fittings listed in class rule F.3.3(a) present? yes / no
- 8 F.3.3 Are there any fittings except items listed in class rules F.3.3(a) & (b)? yes / no
- 9 F.3.3(c)(2) Do the mainsail boom **spar** and the kicking strap have pivot points aft of the mast **spar** in the regions adjacent to these points? yes / no
- 10 F.3.4 Is the **lower point** to **upper point** dimension correct?  
rig 1 1600 mm max rig 2 1180 mm max rig 3 880 mm max yes / no
- 11 F.3.4 Is the lower edge of the headsail stay **limit mark** at the foreside of the **spar** to the **upper point** dimension correct?  
rig 1 220 mm min rig 2 160 mm min rig 3 120 mm min yes / no
- 12 F.3.4 Does the height of checkstay **rigging point** above the **heel point** exceed 100 mm? NA / yes / no
- F.3.4 Between **lower point** and **upper point**:
- 13 (1) Is the diameter of the **spar** less than 10.6 mm? yes / no
- 14 (2) Does the difference between the largest and smallest diameters exceed 0.3 mm? yes / no
- 15 F.3.4 Does the length of any **spar** joiner exceed 100 mm? yes / no
- 16 F.3.4 Does the total length of cutaways between the **lower point** and **upper point** exceed 100 mm? yes / no
- 17 F.3.4 Is the width of all **limit marks** between 3 and 10 mm? yes / no

## BOOMS

- 18 F.4.1(a) Is the principal material of the **spars** aluminium alloy or wood? yes / no
- 19 F.4.1(b) Are other materials on the **spars** limited to: adhesive, paint, powder coat, varnish, wax? NA / yes / no
- 20 F.4.2 Is the section of **spars** constant except for the last 10 mm at each end and openings for fittings and rigging? yes / no
- 21 F.4.3-4 Are the fittings listed in class rules F.4.3(a) and F.4.4(a) present? yes / no
- 22 F.4.3-4 Are there any fittings except items listed in class rules F.4.3 & F.4.4? yes / no
- F.4.5 Ignoring the last 10 mm at each end and openings for fittings and rigging:
- 23 Does the largest external dimension exceed 20 mm? yes / no
- 24 Does the difference between the smallest and largest value along the **spar** of any external dimension exceed 0.5 mm? yes / no

## STANDING RIGGING

- 25 F.5.1 Except for terminations and the headsail boom swivel, are there any materials except steel and/or polymer? yes / no
- 26 F.5.2(a) Is the standing **rigging** listed in class rule F.5.2(a) present? yes / no
- 27 F.5.2-3 Is there any standing **rigging** except items listed in class rules F.5.2 and F.5.3? yes / no

## RUNNING RIGGING

- 28 F.6.2(a) Is the running **rigging** listed in class rule F.6.2(a) present? yes / no
- 29 F.6.2-3 Is there any running **rigging** except items listed in class rules F.6.2 and F.6.3? yes / no

## MAINSAILS

- 30 G.2.2(b) If the **sails** have been certified by the manufacturer awarded with a special licence, indicate here and ignore steps 31 to 58. yes / no
- 31 G.3.1(a)(1) Are all sails **soft sails** and **single ply sails**? yes / no
- 32 G.3.1(a)(2) Does the **body of the sail** consist of the same **ply** throughout and not more than four parts joined by **seams**? yes / no
- 33 G.3.1(a)(3) Do seams deviate by more than 10 mm from a straight line between **luff** and **leech**? yes / no
- 34 G.3.1(a)(4) Does each **sail** have three **batten pockets**, or battens if there are no **batten pockets**, at the leech? yes / no
- 35 G.3.1(a)(5) Does the **leech** extend aft of straight lines between: adjacent batten pocket points, **sail corner measurement points** and nearest batten pocket points? yes / no
- 36 G.3.1(a)(6) Does the **foot** extend below a straight line between **tack point** and **clew point**? yes / no
- 37 G.3.1(a)(7) Is a class insignia present? yes / no
- 38 G.3.1(b) Are there any parts except items listed in class rule G.3.1(b)? yes / no
- 39 G.3.2(a) Are the parts of the **sails** joined or added using only welding; gluing; bonding with self-adhesive tapes/materials; stitching? yes / no
- 40 G.3.2(b) Except for stitching, does the method used to join the **seams** extend beyond the edges of the **seams**? yes / no
- 41 G.3.3 Does the upper batten exceed 10 mm wide x 75 mm long, and/or its **batten pocket** exceed 25 mm wide x 95 mm long? yes / no
- 42 G.3.3 Do the other battens exceed 10 mm wide x 100 mm long, and/or their **batten pockets** exceed 25 mm wide x 120 mm long? yes / no
- G.3.3 Are the following **primary sail dimensions** within the permitted ranges?
- |    |                            |                |                |              |          |
|----|----------------------------|----------------|----------------|--------------|----------|
| 43 | <b>Leech Length</b>        | 1 1610-1620 mm | 2 1200-1210 mm | 3 910-920 mm | yes / no |
| 44 | <b>Foot Length</b>         | 1 350-360 mm   | 2 340-350 mm   | 3 310-320 mm | yes / no |
| 45 | <b>Quarter Width</b>       | 1 305-315 mm   | 2 295-305 mm   | 3 265-275 mm | yes / no |
| 46 | <b>Half Width</b>          | 1 235-245 mm   | 2 225-235 mm   | 3 205-215 mm | yes / no |
| 47 | <b>Three-Quarter Width</b> | 1 135-145 mm   | 2 130-140 mm   | 3 115-125 mm | yes / no |
- G.3.3 Are the following exceeded?
- |    |   |        |               |
|----|---|--------|---------------|
| 48 | <b>Top width</b>  | 20 mm  | yes / no      |
| 49 | <b>Primary &amp; secondary reinforcement</b> from nearest <b>sail corner measurement point</b>          | 125 mm | yes / no      |
| 50 | <b>Secondary reinforcement</b> for <b>flutter patches</b>   | 50 mm  | NA / yes / no |
| 51 | <b>Secondary reinforcement</b> at <b>luff fittings</b> , <b>luff slides</b> and/or <b>luff openings</b> | 20 mm  | NA / yes / no |
| 52 | <b>Tabling width</b>  | 15 mm  | yes / no      |
| 53 | <b>Seam width</b>   | 15 mm  | yes / no      |
| 54 | Seam to nearest <b>sail corner measurement point</b>  | 150 mm | yes / no      |
| 55 | Batten pocket point, as in G.2.4, to the nearest <b>leech point</b>                                     | 20 mm  | yes / no      |
| 56 | Largest cringle dimension   | 10 mm  | yes / no      |
| 57 | Except for <b>luff slides</b> the largest <b>luff fitting</b> dimension                                 | 10 mm  | NA / yes / no |
| 58 | Sail shape indicator stripe width   | 30 mm  | NA / yes / no |

## HEADSAILS

- 59 G.2.2 (b) If the **sails** have been certified by the manufacturer awarded with a special licence, indicate here and ignore steps 60 to 83. yes / no
- 60 G.4.1(a)(1) Are all sails **soft sails** and **single ply sails**? yes / no
- 61 G.4.1(a)(2) Does the **body of the sail** consist of the same **ply** throughout and not more than three parts joined by **seams**? yes / no

62	G.4.1(a)(3)	Do seams deviate by more than 10 mm from a straight line between <b>luff</b> and <b>leech</b> ?			yes / no		
63	G.4.1(a)(4)	Does the <b>leech</b> extend aft of a straight line between the <b>aft head point</b> and <b>clew point</b> ?			yes / no		
64	G.4.1(a)(5)	Does the <b>foot</b> extend below a straight line between <b>tack point</b> and <b>clew point</b> ?			yes / no		
65	G.4.1(b)	Are there any parts except items listed in class rule G.4.1(b)?			yes / no		
66	G.4.2(a)	Are the parts of the <b>sails</b> joined or added using only welding; gluing; bonding with self-adhesive tapes/materials; stitching?			yes / no		
67	G.4.2(b)	Except for stitching, does the method used to join the <b>seams</b> extend beyond the edges of the <b>seams</b> ?			yes / no		
68	G.4.3	Does any batten exceed 10 mm wide x 75 mm long, and/or its <b>batten pocket</b> exceed 25 mm wide x 95 mm long?			NA / yes / no		
	G.4.3	Are the following <b>sail</b> dimensions within the permitted ranges?					
		<b>Luff Length</b>					
69	1	1320-1330 mm	2	980-990 mm	3	730-740 mm	yes / no
		<b>Leech Length</b>					
70	1	1245-1255 mm	2	900-910 mm	3	655-665 mm	yes / no
		<b>Foot Length</b>					
71	1	375-385 mm	2	340-350 mm	3	290-300 mm	yes / no
		<b>Half Width</b>					
72	1	185-195 mm	2	165-175 mm	3	140-150 mm	yes / no
73		<b>Clew point</b> to lower batten pocket point					
	1	400-430 mm	2	285-315 mm	3	205-235 mm	NA / yes / no
74		<b>Clew point</b> to upper batten pocket point					
	1	820-850 mm	2	590-620 mm	3	425-455 mm	NA / yes / no
	G.4.3	Are the following exceeded?					
75		<b>Top width</b>			20 mm		yes / no
76		<b>Primary &amp; secondary reinforcement</b> from nearest <b>sail corner measurement point</b>			125 mm		yes / no
77		<b>Secondary reinforcement</b> for <b>flutter patches</b>			50 mm		NA / yes / no
78		<b>Secondary reinforcement</b> at headsail stay slides and/or loops			20 mm		NA / yes / no
79		<b>Tabling width</b>			15 mm		yes / no
80		<b>Seam width</b>			15 mm		yes / no
81		Seam to nearest <b>sail corner measurement point</b>			100 mm		yes / no
82		Largest cringle dimension			10 mm		yes / no
83		Sail shape indicator stripe width			30 mm		NA / yes / no

**DECLARATION BY THE OWNER**

To the best of my knowledge, the aluminium alloys used for the mast and boom **spars** are of the grades listed in F.3.1 and F.4.1 and the wall thickness tolerances in F.3.4 and F.4.5 are complied with.

Signature

Date

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**MEASURER'S COMMENTS**

If the **official measurer** has any doubt concerning the application of, or compliance of any part of the **boat** with the **class rules** he shall report it on the measurement form(s) before sending them to the **certification authority** and not sign measurement form(s) or sails.

**DECLARATION BY THE MEASURER**

I confirm 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** complies with the rules covered by this form. I have stated above in MEASURER'S COMMENTS those points where I have any doubt concerning the application of, or compliance of any part of the **boat** with, the class rules whether or not they are covered by the measurement form.

Name of Measurer  
(BLOCK CAPITALS)

Officially recognised by  
(ISAF Member National Authority of Country)

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Signature

Date

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