

# INTERNATIONAL ONE METRE CLASS RIG/SAIL MEASUREMENT FORM

2002

RIG/SAIL GROUPS 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 rig/sail groups. Cross out the numbers above for group(s) which have not been measured. Ring the numbers which have been measured.
- 4 To have more rig/sail groups added to the **certificate** the **official measurer** shall measure the rig/sail group(s) 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 attachment, gooseneck, mainsail boom sheet block, headsail boom sheet block, 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 in the **spar** limited to: adhesive, paint, powder coat, varnish, wax? 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, holes for fittings and attachments, internal and 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) Do the kicking strap and gooseneck have axes aft of the **spar** section? yes / no
- 10 F.3.4 Is the **lower limit mark** to **upper limit mark** 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 limit mark** 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
- 13 F.3.4 Between **lower limit mark** and **upper limit mark**:  
                   Is the average diameter of the **spar** less than 10.9 mm? yes / no
- 14 Does any external **mast spar cross section** differ from the average by more than 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 any cutaways 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 in the **spars** limited to: adhesive, paint, powder coat, varnish, wax? yes / no
- 20 F.4.2 Is the section of **spars** constant except for the last 10 mm at each end and holes for fittings and attachments? 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 holes for fittings and attachments:	
23	Does the largest external <b>boom spar cross section</b> exceed 20 mm?	yes / no
24	Does the difference between the smallest and largest <b>boom spar cross section</b> along the spar 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 <b>rigging</b> listed in class rule F.5.2 (a) present?	yes / no
27	F.5.2-3	Is there any standing <b>rigging</b> 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 <b>rigging</b> listed in class rule F.6.2 (a) present?	yes / no
29	F.6.2-3	Is there any running <b>rigging</b> except items listed in class rules F.6.2 and F.6.3?	yes / no

## MAINSAILS

30	G.2.2 (b)	If the <b>sails</b> have been certified by the manufacturer, indicate here and ignore steps 31 to 55.	yes / no		
31	G.3.1 (a)	Are all sails <b>soft sails</b> and <b>single ply sails</b> ?	yes / no		
32	G.3.1 (b)	Does the <b>body of the sail</b> consist of the same <b>ply</b> throughout and not more than four parts joined by <b>seams</b> ?	yes / no		
33	G.3.1 (c)	Do seams deviate by more than 10 mm from a straight line between <b>luff</b> and <b>leech</b> ?	yes / no		
34	G.3.1 (d)	Does each <b>sail</b> have three <b>batten pockets</b> , or battens if there are no <b>batten pockets</b> , at the leech?	yes / no		
35	G.3.1 (f)	Does the <b>leech</b> extend aft of straight lines between: adjacent batten pocket points, <b>sail corner measurement points</b> and nearest batten pocket points?	yes / no		
36	G.3.1 (g)	Does the <b>foot</b> extend below a straight line between <b>tack point</b> and <b>clew point</b> ?	yes / no		
37	G.3.1 (h)	Are there more than three sail shape indicator stripes?	yes / no		
38	G.3.1 (h)	Are sail shape indicator stripes of paint or ink?	NA / yes / no		
39	G.3.1 (i)	Are there any parts except items listed in class rule G.3.1 (i)?	yes / no		
40	G.3.2	Does the upper batten exceed 10 mm wide x 75 mm long, and/or its <b>batten pocket</b> exceed 25 mm wide x 95 mm long?	yes / no		
41	G.3.2	Do the other battens exceed 10 mm wide x 100 mm long, and/or their <b>batten pockets</b> exceed 25 mm wide x 120 mm long?	yes / no		
42	G.3.2	Does the width of any sail shape indicator stripe exceed 30 mm?	NA / yes / no		
	G.3.2	Are the following <b>primary sail dimensions</b> within the permitted ranges?			
		<b>Leech Length</b>			
43	1	1610-1620 mm	2 1200-1210 mm	3 910-920 mm	yes / no
		<b>Foot Length</b>			
44	1	350-360 mm	2 340-350 mm	3 310-320 mm	yes / no
		<b>Quarter Width</b>			
45	1	305-315 mm	2 295-305 mm	3 265-275 mm	yes / no
		<b>Half Width</b>			
46	1	235-245 mm	2 225-235 mm	3 205-215 mm	yes / no
		<b>Three-Quarter Width</b>			
47	1	135-145 mm	2 130-140 mm	3 115-125 mm	yes / no
	G.3.2	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	yes / no
51		<b>Tabling width</b>		15 mm	yes / no
52		<b>Seam width</b>		15 mm	yes / no
53		Seam to nearest <b>sail corner measurement point</b>		150 mm	yes / no
54		Batten pocket point, as in G.2.5, to the nearest <b>leech point</b>		20 mm	yes / no
55		Cringle or eye diameter		10 mm	yes / no

## HEADSAILS

56	G.2.2 (b)	If the <b>sails</b> have been certified by the manufacturer, indicate here and ignore steps 57 to 80.	yes / no
57	G.4.1 (a)	Are all sails <b>soft sails</b> and <b>single ply sails</b> ?	yes / no
58	G.4.1 (b)	Does the <b>body of the sail</b> consist of the same <b>ply</b> throughout and not more than three parts joined by <b>seams</b> ?	yes / no

59	G.4.1 (c)	Do seams deviate by more than 10 mm from a straight line between <b>luff</b> and <b>leech</b> ?				yes / no
60	G.4.1 (d)	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
61	G.4.1 (e)	Does the <b>foot</b> extend below a straight line between <b>tack point</b> and <b>clew point</b> ?				yes / no
62	G.4.1 (f)	Does any <b>sail</b> have more than two <b>batten pockets</b> , or two battens if there are no <b>batten pockets</b> , at the leech?				yes / no
63	G.4.1 (g)	Are there more than two sail shape indicator stripes?				yes / no
64	G.4.1 (g)	Are sail shape indicator stripes of paint or ink?				NA / yes / no
65	G.4.1 (h)	Are there any parts except items listed in class rule G.4.1 (h) ?				yes / no
66	G.4.2	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
67	G.4.2	Does the width of any sail shape indicator stripe exceed 30 mm?				NA / yes / no
	G.4.2	Are the following <b>primary sail dimensions</b> within the permitted ranges?				
		<b>Luff Length</b>				
68		1 1320-1330 mm	2 980-990 mm	3 730-740 mm		yes / no
		<b>Leech Length</b>				
69		1 1245-1255 mm	2 900-910 mm	3 655-665 mm		yes / no
		<b>Foot Length</b>				
70		1 375-385 mm	2 340-350 mm	3 290-300 mm		yes / no
		<b>Half Width</b>				
71		1 185-195 mm	2 165-175 mm	3 140-150 mm		yes / no
	G.4.2	Are the following exceeded?				
72		<b>Top width</b>		20 mm		yes / no
73		<b>Primary &amp; secondary reinforcement</b> from nearest <b>sail corner measurement point</b>		125 mm		yes / no
74		<b>Secondary reinforcement</b> for flutter patches		50 mm		yes / no
75		<b>Tabling width</b>		15 mm		yes / no
76		<b>Seam width</b>		15 mm		yes / no
77		Seam to nearest <b>sail corner measurement point</b>		100 mm		yes / no
78		Cringle or eye diameter		10 mm		yes / no
79		<b>Clew point</b> to lower batten pocket point				
		1 400-430 mm	2 285-315 mm	3 205-235 mm		NA / yes / no
80		<b>Clew point</b> to upper batten pocket point				
		1 820-850 mm	2 590-620 mm	3 425-455 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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**DECLARATION BY THE MEASURER**

I certify that I have checked the measurements on this form, that the particulars on this form are correct and that, to the best of my knowledge, the spars, rigging, fittings and sails comply with Sections F, G and H of the **class rules** of the International One Metre class in force at present, except as I have stated below.

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.

Measurer's Name  
(BLOCK CAPITALS)

Officially recognised by  
(ISAF Member National Authority of Country)

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Signature

Date

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