

INTERNATIONAL MARBLEHEAD CLASS RIG/SAIL MEASUREMENT FORM

2002

RIG/SAIL GROUPS *(cross out un-used group/s)*

A **B** **C**

Hull Registration Number

NB MEASURERS

- 1 Measurements shall be carried out in accordance with the Equipment Rules of Sailing except where varied in the **class rules**.
- 2 This measurement form may be used for up to three rig/sail groups A, B and C. Cross out the letters above for group(s) which have not been measured.
- 3 To have more rig/sail groups added to the **certificate** the **official measurer** shall measure the sail/s and rig/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 headsail luff **spar**, four **booms**, standing **rigging**, running **rigging** and fittings? yes / no

GENERAL

- 2 F.2.3(a) Is any fitting attached to a rotating **spar** bigger than is reasonably required for its purpose? NA / yes / no

MAST

*(F.2.3(b) - a fitting faired into a **spar** is considered to be part of the **spar**)*

*(F.3.1 - The **mast spar cross section** shall be taken to include: fairings, extensions, articulated flaps. Movable parts shall be set to give the greatest dimension.)*

- 3 F.3.2 Except where the mast is too short, are upper, lower and headsail stay **limit marks** placed on each mast **spar**? yes / no
- 4 F.3.3 Is the **mast spar cross section** above the **lower limit mark** more than 20 mm? yes / no
- 5 F.3.3 Is the **mast spar cross section** below the **lower limit mark** more than 40 mm? yes / no
- 6 F.3.3 Is each **limit mark** of a single colour contrasting to the part/s on which it is placed and minimum 3 and maximum 10 mm wide? yes / no

BOOMS

*(F.2.3(b) - a fitting faired into a **spar** is considered to be part of the **spar**)*

*(F.4.1 - A **boom** which extends fore and aft of the **mast** is to be taken as two **booms**.)*

- 7 F.4.2 Is the length of junction where boom **spars** meet more than 100 mm? NA / yes / no
- 8 F.4.2 Is the minimum combined **boom spar cross section** at a boom **spars** junction more than 40 mm? NA / yes / no
- 9 F.4.2 Is the boom **spar** cross section within 100 mm of only one end of any **spar** more than 40 mm? yes / no
- 10 F.4.2 Is the **boom spar cross section** at any other point/s more than 20 mm? yes / no

HEADSAIL LUFF SPARS

(F.2.3 (b) - a fitting faired into a **spar** is considered to be part of the **spar**)

11 F.5.1 Is the **spar cross section** more than 20 mm? NA / yes / no

SAILS

12 G.2.5(c) Do the **leech** profiles of all **sails** comply with the restrictions in figure H.5? yes / no

13 G.2.6(a) Are all sails **soft sails**? yes / no

14 G.2.6(c) Are all sails marked at the **clew** with the appropriate rig/sail group(s) letter(s)? yes / no

15 G.2.7 Does the **top width** exceed:
40 mm on **double luff sails**,
25 mm on **sails** with **luff** rope or sliders,
20 mm on other **sails**? yes / no

16 G.2.7 Does any foot round taken from the **foot** to a straight line between **tack point** and **clew point** exceed 25 mm? yes / no

17 G.2.7 Does any **foot irregularity** exceed 3 mm? yes / no

18 G.2.7 Does any batten length exceed 105 mm? yes / no

19 G.2.7 Does any batten width exceed 20 mm? yes / no

20 G.2.7 Does the extension of **stiffening** at the **head** from a point 20 mm forward of the **aft head point** at a line through the **aft head point** and **head point** exceed 20 mm? yes / no

21 G.2.7 On each **sail** does any variation in length between measurements: batten pocket point to adjacent batten pocket point(s), **clew point** to adjacent batten pocket point, **head point** to adjacent batten pocket point, exceed 25 mm? yes / no

22 G.3.1 Do any mainsails have more than four battens? yes / no

23 G.4.1 Do any headsails have more than three battens? yes / no

DECLARATION BY THE MEASURER

I confirm that I have taken the measurements on the rig/sail measurement 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 Marblehead 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.

Name of Measurer
(BLOCK CAPITALS)

Officially recognised by
(ISAF Member National Authority of Country)

.....
Signature

.....
Date

INTERNATIONAL MARBLEHEAD CLASS RIG/SAIL MEASUREMENT FORM

2002

(this is not a certificate)

Date

Hull Registration Number

NB - Measurer

Calculated values shall be correctly rounded to the nearest whole number before recording.

Values used in subsequent calculations shall be the correctly rounded recorded values.

RIG/SAIL GROUPS

A

B

C

MAST - A.11.5		<i>(bold boxes = 'measurements', others = calculations)</i>		
A	Distance between upper point and lower point <i>(Dimensions for RSG A, B & C shall be in descending order - see A.11.5)</i>			
G	Height - deck limit mark to lower point			
	Height - deck limit mark to upper point (A + G) (max 2160)			
I	Height - deck limit mark to lower edge of forestay limit mark 0.8 x (A + G)			
MAINSAIL - G.2.5 (b) and H.6				
B	Luff perpendicular - from clew point to luff (NB G.2.5 (b))			
	Quarter width			
	Maximum quarter width without penalty (3/4 B + 63)			
X	Excess of measured quarter width			
	Half width			
	Maximum half width without penalty (1/2 B + 72)			
Y	Excess of measured half width			
	Three-quarter width			
	Maximum three-quarter width without penalty (1/4 B + 72)			
Z	Excess of measured three-quarter width			
HEADSAIL - G.2.5 (b) and H.6				
Q	Luff length			
R	Width - luff perpendicular - from clew point to luff (NB G.2.5 (b))			
	Quarter width			
	Maximum quarter width without penalty (3/4 R + 55)			
x	Excess of measured quarter width			
	Half width			
	Maximum half width without penalty (1/2 R + 60)			
y	Excess of measured half width			
	Three-quarter width			
	Maximum three-quarter width without penalty (1/4 R + 60)			
z	Excess of measured three-quarter width			
SAIL AREA - G.5.1 and G.5.2				
M1	Mainsail triangular area $A \times B / 2$			
M2	Mainsail excess area $A \times (2X + Y + 2Z) / 6$			
J1	Jib triangular area $Q \times R / 2$			
J2	Jib excess area $Q \times (2x + y + 2z) / 6$			
	Sum of M1 + M2 + J1 + J2 (mm ²) (maximum 516149)			
TOTAL MEASURED SAIL AREA (m²) (rounded maximum 0.5161)				

DECLARATION BY THE MEASURER

strike through any un-used columns

I confirm that I have taken the measurements on this form and that they are correctly recorded on this form.

Measurer's Name
(BLOCK CAPITALS)

Officially recognised by
(ISAF Member National Authority of Country)

Signature

Date