

INTERNATIONAL ONE METRE CLASS

2022

CERTIFICATION CONTROL FORM - RIGS AND SAILS - CHECK LIST

RIGS AND SAILS MEASURED **A** **B** **C** (circle, or cross out as appropriate)

Hull Registration Number.....

Date of Certification Control.....

Official Measurer.....

NB - MEASURERS This form is for your guidance in the **certification** process. It is not required to be sent to the **Certification Authority**, but may be retained by the Owner or the **Official Measurer**.

1 **Certification control** shall be carried out in accordance with the current **Equipment Rules of Sailing** except where varied by the **class rules**.

2 The **rig** and **sails** shall comply with all **class rules** in Sections F, G and I even if some of the rules are not mentioned on this form.

3. Check boxes only if the equipment complies with the statement. Complete the **Certification Control** Form only if all items are checked as complying with **class rules** Sections F, G and I. Consult your **Certification Authority** if there is any doubt.

PARTS

1. F.1.1 Individual **rigs** comprise only: one **mast**, one **mainsail boom**, one **headsail boom**, **standing rigging**, **running rigging** and fittings.

GENERAL

2. F.2.3 All parts of the **rig** function in a way that is normal for items of their type.

3. F.2.4(c) The use of any ball or roller bearings is limited to: kicking strap fitting, gooseneck, **mainsail boom sheet** blocks, **headsail boom sheet** blocks, **headsail boom** swivel.

4. F.2.4(d) Perpendicular to the axis of rotation, any non-circular component of a kicking strap, or gooseneck, has a cross section of 20 mm or less.

MAST

4. F.3.1(a) The principal material of the spar is either a specified aluminium alloy, or wood.

5. F.3.1(b) Any other materials on the spar are limited to: adhesive, anodising, paint, powder coat, varnish, wax.

6. F.3.2(b) The spar section between **upper point** and **lower point** is of circular outer shape and constant in cross section except for internal **sail** track, local cutaways, openings for fittings and/or **rigging**, internal and/or external spar joiners.

7. F.3.3(a) The fittings listed in class rule F.3.3(a) are present. These are: **mainsail halyard**(s) fitting(s) or opening(s), **shroud** fitting(s) and / or opening(s), gooseneck, kicking strap fitting.

8. F.3.3 Other fittings are limited to items listed in class rules F.3.3(a) & (b). These are: wind indicator and / or its fitting, **backstay** crane and its fitting, **headsail stay** fitting and / or opening, **headsail halyard** fitting and / or opening, pair of **spreaders** and their fittings and / or openings, **mast spar** rings and / or loops to attach **mainsail luff** to the spar, **mainsail** jackstay fittings, **mainsail tack** fittings, **mast** strut and its fitting, **checkstay** fittings, deck fitting which may function as mast ram, heel fitting with or without **mast** jack, **corrector weights**, **headsail sheet** fairlead.

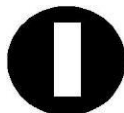
9. F.3.3(c)(2) The **mainsail boom spar** and the kicking strap have pivot points aft of the **mast spar** in the regions adjacent to these points.

10. F.3.4 The **lower point** to **upper point** dimension is correct.

Rig A. 1 600 mm max

Rig B. 1 180 mm max

Rig C. 880 mm max



11. F.3.4 The lower edge of the **headsail stay limit mark** at the foreside of the spar to the **upper point** dimension is correct
Rig A. 220 mm min. **Rig B.** 160 mm min. **Rig C.** 120 mm min.
12. F.3.4 If there are **check stays**, their **rigging point** is equal to, or less than, 100 mm above the **mast heel** point
13. F.3.4 Between **lower point** and **upper point**:
(1) The diameter of the spar is 10.6 mm or greater.
(2) The difference between the largest and smallest diameters of the spar is **equal to or less than 0.3 mm**.
14. F.3.4 The length of any spar joiner is equal to, or less than, 100 mm.
15. F.3.4 The total length of cutaways between the **lower point** and **upper point** is equal to, or less than, 100 mm.
16. F.3.4 / 2.4(c) The width of all **limit marks** is between 3 and 10 mm and applied by either paint or self-adhesive tape.

BOOMS

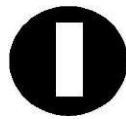
17. F.4.1(a) The principal material of the spars is a specified aluminium alloy, or wood.
18. F.4.1(b) Other materials on the spars are limited to: adhesive, anodising, paint, powder coat, varnish, wax.
19. F.4.2 The section of spars is constant except for the last 10 mm at each end and at openings for fittings and **rigging**.
20. F.4.3(a) **Mainsail boom.** The fittings listed in class rules F.4.3(a) are present. These are: **mainsail clew** fitting(s), **mainsail boom sheet** fitting(s), kicking strap fitting.
21. F.4.3(b) **Mainsail boom.** Except for fittings permitted by class rule F.4.3b (these are: **mainsail tack** fitting(s), gooseneck fitting, opening(s) for **mainsail boom sheet** fitting) no other fittings are present.
22. F.4.4(a) **Headsail boom.** The fittings listed in class rule F.4.4(a) are present. These are: **headsail tack** and **clew** fittings, **headsail boom sheet** fitting(s), swivel and / or its fitting(s).
23. F.4.4(b) **Headsail boom.** Except for fittings permitted by class rule F.4.4(b) (these are: **headsail stay** fitting(s), topping lift fitting(s) or opening, counterweight and its attachment, openings for **headsail boom sheet** fitting) no other fittings are present.
24. F.4.5 Ignoring the last 10 mm at each end and openings for fittings and **rigging**, the **boom spar** is capable of passing through a 20mm ring gauge.
25. F.4.5 The difference between the smallest and largest value along the spar of any external dimension is equal to, or less than, 0.5 mm.

STANDING RIGGING

26. F.5.1 Except for terminations and the **headsail boom** swivel, materials are limited to steel and/or polymer.
27. F.5.2(a) **Standing rigging.** Items listed in class rule F.5.2(a) are present. These are: a pair of **shrouds**, **backstay** and **headsail boom** swivel.
28. F.5.2 / 3 **Standing rigging.** Except for items permitted by class rules F.5.2 and F.5.3 (this is: a pair of **checkstays** or a **mast** strut, a **headsail stay** less than 1mm diameter, a **mast spar** jackstay less than 1mm diameter) no other **standing rigging** is present..

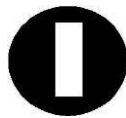
RUNNING RIGGING

29. F.6.2(a) **Running rigging.** The items listed in class rule F.6.2(a) are present. These are: **mainsail boom sheet**, **mainsail boom** kicking strap, **headsail halyard** if **headsail stay** is not fitted, **headsail boom sheet** and **backstay**.
30. F.6.2(b)/3 **Running rigging.** Except for items permitted by class rules F.6.2 and F.6.3 (this is: **mainsail halyards**, **mainsail clew** trim line, **mainsail tack** trim line, **headsail halyard(s)** **headsail clew** trim line, **headsail tack** trim line, **headsail boom** topping lift, **headsail boom** toping lift restraint line(s), a **sheet** control line, terminations, length and tension adjustments, **mainsail boom sheet** blocks, **headsail boom sheet** blocks and wind indicator attached to the backstay) no other **running rigging** is present.



MAINSAILS

31. G.2.2(b) If the **sails** have been **certificated** by a manufacturer awarded a special license, then omit steps 32 to 60.
32. G.3.1(a)(1) All **sails** are **soft sails** and **single ply sails**.
33. G.3.1(a)(2) The body of the **sail** consists of the same **ply** throughout and not more than four parts joined by **seams**.
34. G.3.1(a)(3) Each **sail** has three battens or, 20 mm minimum, lines marked on the **leech** if there are no battens at the **leech**.
35. G.3.1(a)(4) Except within the **leech** stiffening zone, the **leech** does not extend aft of a straight line between: adjacent batten points, **aft head point** and **clew point** and their nearest **batten** points.
36. G.3.1(a)(5) The **foot** does not extend below a straight line between **tack point** and **clew point**.
37. G.3.1(a)(6) The class insignia is present on both sides of the **mainsail** above the **three quarter width**.
38. G.3.1(b) Except for items listed in class rule G.3.1(b) (these are: **tabling**, one or two cringles or openings at the **head**, one cringle or opening at each of the **clew** and **tack**, **luff** openings for **mast spar** rings and / or loops for **mast spar** jackstay fittings, **luff** bolt rope, **luff** track slides, **luff** fittings for **mast spar** rings and / or loops, **luff** fittings for **mast spar** jackstay, **primary** and **secondary reinforcement** as defined in G.3.3, **primary reinforcement** or **stiffening** within the **leech** stiffening zones as defined by templates in I.3, tell tales, three, or less, **sail** indicator stripes applied using paint or ink, sailmaker's label) no other parts are present.
39. G.3.2(a)(1) If the sail has **seams**, the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**.
40. G.3.2(b) The parts of the **sails** are joined or added using only welding; gluing; bonding with self- adhesive tapes/materials; stitching.
41. G.3.3 If there are battens, the upper batten is no bigger than 10 mm wide x 75 mm long.
42. G.3.3 If there are battens, the other battens are no bigger than 10 mm wide x 100 mm long.
- G.3.3 The following **primary sail dimensions** are within the permitted ranges:
- | | | | | | | | |
|------------------------------|----------------------------|-------|----------------|-------|----------------|-------|--------------|
| <input type="checkbox"/> 43. | Leech Length | Rig A | 1610 - 1620 mm | Rig B | 1200 - 1210 mm | Rig C | 910 - 920 mm |
| <input type="checkbox"/> 44. | Foot Length | Rig A | 350 - 360 mm | Rig B | 340 - 350 mm | Rig C | 310 - 320 mm |
| <input type="checkbox"/> 45. | Quarter Width | Rig A | 305-315 mm | Rig B | 295-305 mm | Rig C | 265-275 mm |
| <input type="checkbox"/> 46. | Half Width | Rig A | 235-245 mm | Rig B | 225-235 mm | Rig C | 205-215 mm |
| <input type="checkbox"/> 47. | Three Quarter Width | Rig A | 135-145 mm | Rig B | 130-140 mm | Rig C | 115-125 mm |
48. The **top width** is equal to, or less than, 20 mm.
49. The **primary & secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.
50. Any **secondary reinforcement** for **any flutter patches** is equal to, or less than, 50 mm.
51. **Secondary reinforcement** at **luff** fittings, **luff** slides and/or **luff** openings is equal to, or less than, 20 mm.
52. **Tablings**, if any, are equal to, or less than, 15 mm in width.
53. **Seams**, if any, are equal to, or less than, 15 mm in width.
54. **Seams**, if any, are equal to, or more than, 150 mm from **sail corner measurement points**.
55. **Batten** points as in G.2.4, are within 20 mm of the nearest **leech** point.
56. Cringle dimensions are equal to, or less than, 10 mm.
57. Except for **luff** slides the largest **luff** fitting dimension is equal to, or less than, 10mm.
58. G.3.1(b)(13) **Sail** shape indicator stripes, if any, shall be 30 mm, or less, in width, applied by either paint or ink, and no more than three in number.
59. I.3.3 The **leech stiffening** zones on all **mainsails** comply with I.3.2 and I.3.3.



HEADSAILS

60. G.2.2 (b) If the **sails** have been certificated by a manufacturer awarded a special licence, omit steps 62 to 86.
61. G.4.1(a)(1) All sails are **soft sails** and **single ply sails**.
62. G.4.1(a)(2) The body of the **sail** consists of the same **ply** throughout and not more than three parts joined by **seams**.
63. G.4.1(a)(3) Except within the **leech** stiffening zones, the **leech** is within a straight line between the **aft head point** and **clewpoint**.
64. G.4.1(a)(4) The **foot** is a straight line, or within a straight line, between **tack point** and **clew point**.
65. G.4.1(b) Except for items listed class rule G.4.1(b) (these are: **tabling** which at the **luff** may form a pocket for a **headsail stay**, one or two cringle openings at the **head**, one cringle and /or openings at each of the **clew** and **tack**, **headsail stay** slides and or loops, **primary reinforcement** and **secondary reinforcement** specified at (G.4.3), two battens or less at the **leech**, **primary reinforcement and/ or stiffening** within the **leech stiffening** zones, tell tales, two or less **sail** shape indicator strips, sailmakers labels, no other parts are present.
66. G.4.2(a)(1) If there are **seams**, the **seams** deviate by 10 mm or less from a straight line between **luff** and **leech**.
67. G.4.2(b) The parts of the **sails** are joined or added to using only welding; gluing, bonding with self-adhesive tapes / materials, stitching.
68. G.4.3 If there are battens, they are equal to, or less than, 10 mm wide x 75 mm long.
- G.4.3 The following **sail** dimensions are within the permitted ranges:
- | | | | | |
|------------------------------|--|-------------------|-----------------|-----------------|
| <input type="checkbox"/> 69. | Luff Length | Rig A 1320-1330mm | Rig B 980-990mm | Rig C 730-740mm |
| <input type="checkbox"/> 70. | Leech Length | Rig A 1245-1255mm | Rig B 900-910mm | Rig C 655-665mm |
| <input type="checkbox"/> 71. | Foot Length | Rig A 375-385mm | Rig B 340-350mm | Rig C 290-300mm |
| <input type="checkbox"/> 72. | Half Width | Rig A 185-195mm | Rig B 165-175mm | Rig C 140-150mm |
| <input type="checkbox"/> 73. | Clew point to lower batten point | Rig A 400-430mm | Rig B 285-315mm | Rig C 205-235mm |
| <input type="checkbox"/> 74. | Clew point to upper batten point | Rig A 820-850mm | Rig B 590-620mm | Rig C 425-455mm |
75. The **top width** is equal to, or less than, 20 mm.
76. The **primary** and **secondary reinforcement** is equal to, or less than, 125 mm from the nearest **sail corner measurement point**.
77. Any **secondary reinforcement** for **flutter patches** is equal to, or less than, 50 mm.
78. If there is **secondary reinforcement** at **headsail stay** slides and/or loops, it is equal to, or less than, 20 mm.
79. **Tablings**, if any, are equal to, or less than, 15mm in **width**.
80. **Seams**, if any, are equal to, or less than, 15 mm in width.
81. **Seams**, if any, are equal to, or more than, 100 mm from **sail corner measurement points**.
82. Cringle dimensions are equal to, or less than, 10 mm.
83. G.4.1(b)(10) **Sail** shape indicator stripes, if any, shall be 30 mm, or less, in width, applied by either paint or ink, and no more than two in number.
84. I.3.3 The **leech** stiffening zones on all **headsails** comply with I.3.2 and I.3.3

If a **sail** complies in all respects with the checks on this **Certification Control** Form – RIGS AND SAILS - Check List then the **Official Measurer** shall sign, or stamp, and date the **sail**.