

# 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.

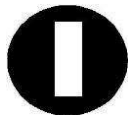
9. F.3.3(c)(2) The **mainsail boom** spar and the kicking strap have pivot points aft of the **mast** spar in the regions adjacent to these points.

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

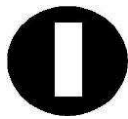
17. F.4.1(a) The principal material of the spars is a specified aluminium alloy, or wood.
18. F.4.1(b) Other materials on the spars are limited to: adhesive, anodising, paint, powder coat, varnish, wax.
19. F.4.2 The section of spars is constant except for the last 10 mm at each end and at openings for 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..

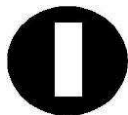
#### RUNNING RIGGING

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. | <b>Leech Length</b>        | Rig A | 1610 - 1620 mm | Rig B | 1200 - 1210 mm | Rig C | 910 - 920 mm |
| <input type="checkbox"/> 44. | <b>Foot Length</b>         | Rig A | 350 - 360 mm   | Rig B | 340 - 350 mm   | Rig C | 310 - 320 mm |
| <input type="checkbox"/> 45. | <b>Quarter Width</b>       | Rig A | 305-315 mm     | Rig B | 295-305 mm     | Rig C | 265-275 mm   |
| <input type="checkbox"/> 46. | <b>Half Width</b>          | Rig A | 235-245 mm     | Rig B | 225-235 mm     | Rig C | 205-215 mm   |
| <input type="checkbox"/> 47. | <b>Three Quarter Width</b> | 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. | <b>Luff Length</b>                             | Rig A 1320-1330mm | Rig B 980-990mm | Rig C 730-740mm |
| <input type="checkbox"/> 70. | <b>Leech Length</b>                            | Rig A 1245-1255mm | Rig B 900-910mm | Rig C 655-665mm |
| <input type="checkbox"/> 71. | <b>Foot Length</b>                             | Rig A 375-385mm   | Rig B 340-350mm | Rig C 290-300mm |
| <input type="checkbox"/> 72. | <b>Half Width</b>                              | Rig A 185-195mm   | Rig B 165-175mm | Rig C 140-150mm |
| <input type="checkbox"/> 73. | <b>Clew point</b> to lower <b>batten</b> point | Rig A 400-430mm   | Rig B 285-315mm | Rig C 205-235mm |
| <input type="checkbox"/> 74. | <b>Clew point</b> to upper <b>batten</b> 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 Mesurer** shall sign, or stamp, and date the **sail**.