

INTERNATIONAL FLYING FIFTEEN CLASS

MEASUREMENT FORM

Authority: * WORLD SAILING, 20 Eastbourne Terrace, Paddington, London, W2 6LG, United Kingdom

IN ORDER TO OBTAIN A MEASUREMENT CERTIFICATE

- 1. The builder shall pay the International Class Fee to the National Flying Fifteen Association, who will issue an official International Class Fee Receipt and a sail number.
2. The boat shall be measured by an Official Measurer or Measurers in accordance with Class Rule A3, who shall complete and sign this measurement form.
3. The Measurement Form, when completed, shall be sent to the owner's Certification Authority (see Class Rule A1) together with the International Class Fee Receipt and any registration fee which may be required.

BEFORE SUBMITTING THIS FORM MAKE SURE IT HAS BEEN PROPERLY COMPLETED

BOAT SAIL NUMBER

BOAT NAME

DATE BUILT DATE MEASUREMENT COMPLETED

OWNER'S DECLARATION

Name of Owner

Address

Owner's Club (see Racing Rule 75)

Signed: Date:

[Disclaimer: The owner acknowledges that this document may be shared with third parties within the Federation of Flying Fifteen International]

* WORLD SAILING is not a National Authority as referred to in the Class Rules.

NOTE: All measurements are in millimetres unless otherwise stated

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|--|---------|--------|---------|
| | | <u>HULL</u> | | | |
| 1 | B4 | Is transom flat and vertical to the base line | | Yes/No | |
| 2 | B4 | Is the radius between the transom and hull skin less than 13mm | | Yes/No | |
| 3 | B4 | Base line to centreplane at transom | | 381 | |
| 4 | B4 | Base line to centreplane at Station 8 (737mm from HDP) | 300 | | 315 |
| 5 | B4 | Base line to centreplane at Station 6 (2261mm from HDP) | 168 | | 183 |
| 6 | B4 | Base line to centreplane at Station 4 (3785mm from HDP) | 134 | | 149 |
| 7 | B4 | Base line to centreplane at Station 3 (4547mm from HDP) | 165 | | 180 |
| 8 | B4 | Base line to centreplane at Station 2 (5311mm from HDP) | | 305 | |
| 9 | B4 | Base line to centreplane at Station 1 (5613mm from HDP) | 407 | | 419 |
| 10 | B4 | Base line to sheerline at stem head | 825 | | 876 |
| 11 | B4 | Boat length overall including any stemhead fittings | 6046 | | 6096 |
| | | <u>Hull Sections</u> | | Port | Stbd |
| | | <u>Transom</u> | | | |
| 12 | B4 | Clearance between hull and template | 0 | | 15 |
| 13 | B4 | Beam at sheerline from template | 72 | | 85 |
| | | <u>Station 8</u> | | | |
| 14 | B4 | Clearance between hull and template | 0 | Yes/No | 15 |
| | | (a) at 1B | 0 | | 15 |
| | | (b) at 1LL | 0 | | 15 |
| | | (c) at 2LL | 0 | | 15 |
| 15 | B4 | Sheerline below top of template | 0 | | 35 |
| 16 | B4 | Beam at sheerline from template | 76 | | 90 |
| | | <u>Station 6</u> | | Port | Stbd |
| 17 | B4 | Base line to hull at 635mm from centreplane | 315 | | 330 |
| 18 | B4 | Clearance between hull and template | 0 | Yes/No | 15 |
| | | (a) at LWL | 0 | | 15 |
| | | (b) at 1LL | 0 | | 15 |
| | | (c) at 2LL | 0 | | 15 |
| 19 | B4 | Sheerline below top of template | 0 | | 25 |
| 20 | B4 | Beam at sheerline from template | 76 | | 89 |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|---|---------|--------|---------|
| | | <u>Station 4</u> | | | |
| 21 | B4 | Base line to hull at 483mm from centreplane | 315 | | 330 |
| 22 | B4 | Clearance between hull and template | 0 | Yes/No | 15 |
| | | (a) at 1B | 0 | | 15 |
| | | (b) at LWL | 0 | | 15 |
| | | (c) at 1LL | 0 | | 15 |
| | | (d) at 2LL | 0 | | 15 |
| | | (e) at 3LL | 0 | | 15 |
| 23 | B4 | Sheerline below top of template | 0 | | 40 |
| 24 | B4 | Beam at sheerline from template | 76 | | 89 |
| | | <u>Station 3</u> | | | |
| 25 | B4 | Clearance between hull and template | 0 | Yes/No | 15 |
| | | (a) at LWL | 0 | | 15 |
| | | (b) at 1LL | 0 | | 15 |
| | | (c) at 2LL | 0 | | 15 |
| | | (d) at 3LL | 0 | | 15 |
| 26 | B4 | Sheerline below top of template | 0 | | 30 |
| 27 | B4 | Beam at sheerline from template | 77 | | 90 |
| | | <u>Station 2</u> | | | |
| 28 | B4 | Clearance between hull and template | 0 | Yes/No | 15 |
| | | (a) at 1LL | 0 | | 15 |
| | | (b) at 2LL | 0 | | 15 |
| | | (c) at 3LL | 0 | | 15 |
| 29 | B4 | Sheerline below top of template | 0 | | 30 |
| 30 | B4 | Beam at sheerline from template | 80 | | 94 |
| 31 | B1 | Are the sections of the hull fair at and between stations? | | Yes/No | |
| 32 | B4 | Profile of bow between station 2 & stem is a fair curve | | Yes/No | |
| 33 | B2 | Hull & transom weight/unit area greater than 3.2kg/sq.m | | Yes/No | |
| | | <u>DECK & COCKPIT</u> | | | |
| 34 | B4 | Plan width of side deck and bulkhead assembly from sheerline | 356 | | |
| 35 | B4 | Side deck and bulkhead assembly is above the sheerline within 280mm of sheerline? | | Yes/No | |
| 36 | B4 | Camber of fore and aft decks | | | 150 |
| 37 | B4 | Athwartships section of fore and aft decks are a fair curve from sheer to sheer | | Yes/No | |
| 38 | B4 | Combined height of deck and breakwater | | | |
| | | (a) at centreplane | 175 | | |
| | | (b) at 25mm from sheerline | 25 | | |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|---|---------|--------|---------|
| 39 | B4 | Is the breakwater a fair convex curve from the centreplane to within 25mm of sheerline? | | Yes/No | |
| 40 | B2 | Plan width of rubbing strakes (if fitted) from sheerline | | | 76 |
| 41 | B2 | Depth of rubbing strakes from sheerline | | | 60 |
| 42 | B4 | Outboard edge of spinnaker pockets (if fitted) to sheerline | 280 | | |
| 43 | B4 | Is spinnaker chute (if fitted) forward of Station 2 | | Yes/No | |
| 44 | B4 | Does spinnaker chute or pockets drain to cockpit or overboard | | Yes/No | |
| 45 | B7 | Distance from transom to point at which the centreline of the rudder stock intersects aft deck | 470 | | 736 |
| 46 | B4 | Aft edge of cockpit from transom | 1540 | | 1830 |
| 47 | B4 | Forward edge of cockpit (excluding mast slot) from transom | 3630 | | 3780 |
| 48 | B4 | Foremost edge of breakwater from transom | | | 4475 |
| 49 | B4 | Plan width of cockpit floor aft of shrouds | 600 | | |
| 50 | B12 | Distance between points of intersection of shrouds with deck or rubbing strake | 1270 | | |
| 51 | B12 | Distance shrouds intersect rubbing strakes outside sheerline | | | 45 |
| 52 | B4 | Floor watertight compartments (if fitted) | | | |
| | | (a) Distance below sheerline | 300 | | |
| | | (b) Width of channel in way of the keel flange | 140 | | |
| | | (c) Does the channel extend the full length of the keel flange? | | Yes/No | |
| | | (d) Floor of the channel if an internal moulding – correctly bonded | | Yes/No | |
| | | (e) Are self bailers correctly fitted? (not through internal mouldings) | | Yes/No | |
| 53 | B14 | No more than 4 self bailers effective area 650mm ² each | | Yes/No | |
| 54 | B2 | Deck weight/unit area greater than 3.2kg per m ² | | Yes/No | |
| 55 | B4 | Is a stainless steel towing fairlead fitted (25mm x 4mm) within 700mm of stemhead? | | Yes/No | |
| 56 | B12 | Are outriggers (if used) through the rubbing strakes and not less than 15mm from the outer edge of the rubbing strakes? | | Yes/No | |
| 57 | B5 | Is hull constructed with “watertight” compartments (min 4) | | Yes/No | |
| 58 | B5 | Is removable buoyancy fitted in compliance with the rule? (443kg total, 100kg forward, 1-130kg per unit) | | Yes/No | |
| | | Type of buoyancy No. of units | | | |
| 59 | B3 | Sail number cut, stamped, branded or moulded in hog in figures not less than 25mm in height | | Yes/No | |
| 60 | B17 | Builder’s mark within 150 x 150mm square | | Yes/No | |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|---|---------|--------|---------|
| | | <u>WEIGHT</u> | | | |
| 61 | B8 | Hull weight (including removable buoyancy) | | kg | |
| 62 | B8 | Total weight of correctors (if fitted) through fastened and visible within cockpit. | | kg | 21kg |
| 63 | B8 | Individual corrector weights (kg) 1.....2.....3.....4..... | | | |
| 64 | B8 | Total hull weight including corrector weight (items 61 + 62) | 138kg | kg | |
| 65 | B6 | Finished keel weight (including bolts or studs) | 169kg | kg | 193kg |
| 66 | B7 | Finished rudder and stock weight | 3.8kg | kg | |
| | | <u>KEEL</u> | | | |
| 67 | B6 | Clearance of keel profile template from keel | | | 13 |
| 68 | B6 | Clearance of athwartships keel templates from keel | | | 5 |
| 69 | B6 | Concavity of sections parallel to the baseline | | | 1 |
| 70 | B6 | Maximum athwartships dimensions of finished keel | | | |
| | | (a) in an area between 300mm and 500mm above the profile template baseline | 32 | | 42 |
| | | (b) in an area between 500mm above the profile template baseline and 30mm below the top of the flange | | | 50 |
| 71 | B6 | Width of finished keel flange | 124 | | 136 |
| 72 | B6 | Thickness of keel flange 10mm from edges | 10 | | |
| 73 | B6 | Radius of all 4 corners and all 4 edges of keel flange | | | 10 |
| 74 | B6 | Keel bolts/studs and their configuration comply with B6.12 | | Yes/No | |
| 75 | B6 | Fore end of keel from hull datum point | 3860 | | 4040 |
| | | <u>RUDDER</u> | | | |
| 76 | B7 | Clearance of rudder template from rudder | | | 13 |
| 77 | B7 | Thickness of rudder at any point | | | 45 |
| 78 | B7 | Rudder stock | | | |
| | | (a) solid stainless steel of diameter, or | 18 | | |
| | | (b) solid bronze of diameter, or | 23 | | |
| | | (c) stainless steel tube of outside diameter (min wall thickness 2.5mm) | 25 | | |
| 79 | B7 | Fore end of rudder from hull datum point | 710 | | 762 |
| 80 | B7 | Variation in gap between rudder and hull at the centreplane | | | 5 |
| | | <u>SPARS RIGGING AND FITTINGS</u> | | | |
| 81 | B11 | Mast spar and main boom spar of wood or aluminium alloy | | Yes/No | |
| 82 | B12 | Spreaders of aluminium alloy | | Yes/No | |
| 83 | B9 | Mean mast spar dimensions below limit mark No. 3 and 300mm above limit mark No. 2 | | | |
| | | (a) fore and aft = mm | | | |
| | | (b) athwartships = mm | | | |
| | | (a + b) =mm | | | |
| | | | 60 | | 80 |
| | | | | | 2 |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|--|---------|--------|---------|
| 84 | B9 | Is upper edge of limit mark No.4 (mast datum point) at or below sheerline with the mast in the vertical position. | | Yes/No | |
| 85 | B9 | Heel point of mast from upper edge of limit mark No.4 | 450 | | |
| 86 | B9 | Lower edge of limit mark No. 1 above upper edge of limit mark No. 4 | | | 6860 |
| 87 | B9 | Lower edge of limit mark No. 3 above upper edge of limit mark No. 4 | | | 4724 |
| 88 | B9 | Upper edge of limit mark No. 2 below lower edge of limit mark No. 1 | | | 6248 |
| 89 | B12 | Headsail luff, or its extension meets the mast at or below lower edge of limit mark No. 3 | | Yes/No | |
| 90 | B12 | Forestay (if fitted) or its extension meets the mast between Headsail luff and 80mm above limit mark No. 3 | | Yes/No | |
| 91 | B12 | Distance shrouds intersect mast above limit mark No. 3 | | | 150 |
| 92 | B12 | Distance of point where extension of spinnaker halyard when held at right angles to mast meets foreside of mast above lower edge of limit mark No. 3 | | | 102 |
| 93 | B12 | Extension of spinnaker halyard eye or block (if fitted) from foreside of mast | | | 76 |
| 94 | B12 | Point forestay (if fitted) meets deck forward of headsail luff | 5 | | 280 |
| 95 | B12 | Diameter of standing rigging | 2.3 | | |
| 96 | B9 | Projection of spinnaker boom fitting(s) from mast | | | 50 |
| 97 | B9 | Aft side of mast to pivot point of gooseneck | | | 40 |
| 98 | B9 | Mast weight including normal permanent fittings and rigging | 10.5kg | | |
| 99 | B9 | Centre of gravity of mast in same condition as for weighing above upper edge of limit mark No. 2 | 1828 | | |
| 100 | B9 | Mast spar deflection | | | 145 |
| 101 | B9 | Mast spar curvature between limit marks Nos. 1 and 2 | | | 50 |
| 102 | B10 | Foreside of mast spar at deck level between 3695mm and 3850mm from aft edge of transom (measured horizontally) | | Yes/No | |
| 103 | B10 | Foreside of mast spar to point where line of headsail luff or its extension meet the deck | | | 1676 |
| 104 | B10 | Foreside of mast spar to point of intersection of shrouds, or extension of line of shrouds, with deck or rubbing strake | 520 | | |
| 105 | B10 | Does the mast gate control aft movement of the mast to the limits of items 102, 103 and 104 | | Yes/No | |
| 106 | B10 | Height of control of mast movement above deck | | | 50 |
| 107 | B11 | Is boom, including sail track able to pass through 125mm circle | | Yes/No | |
| 108 | B11 | Upper edge of boom intersects mast above limit mark No.2 | | Yes/No | |
| 109 | B11 | Aft side of mast to boom outer limit mark | | | 3000 |
| 110 | B11 | Boom spar curvature | | | 10 |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---|---------|--|---------|--------|---------|
| 111 | B11 | Overall length of spinnaker pole spar(s) including fittings | | | 2000 |
| 112 | B13 | Headsail tack point not less than 100mm above deck (measured along line of luff) | | Yes/No | |
| <u>EQUIPMENT & MISCELLANEOUS</u> | | | | | |
| 113 | B15 | Anchor, chain and line comply with rule B15.3 (2kg min, 18m x 6mm line) | | Yes/No | |
| 114 | B15 | Paddle (1000mm, 0.4kg min) | | Yes/No | |
| 115 | B15 | Two bailers (each 1 litre min), or bailer and pump | | Yes/No | |
| 116 | B14 | Does compass comply with rule B14.4 ? | | Yes/No | |
| 117 | B14 | Do cameras/trackers (if fitted) comply with rule B14.4? | | Yes/No | |
| 118 | A2 | World Sailing plaque fixed in a visible position | | Yes/No | |
| 119 | B14 | Hiking straps or hobbles (if fitted) comply with B14.1 | | Yes/No | |
| 120 | B17 | Does hull and spar advertising comply with rule B17 | | Yes/No | |

BUILDER'S DECLARATION

To be completed by the builder of the hull.

I certify that the International Class Fee has been paid in respect of the hull and that the following sail number has been allocated.

Name of Builder:

Address:

.....

.....

Date Built: Sail Number

Construction Materials

Hull ShellDecks

If of GRP

Mould No.Serial No.

I certify that this boat has been constructed in accordance with the rules of the International Flying Fifteen Class.

Signed: Date:

MEASURER'S DECLARATION

To be completed by a Measurer or Measurers in accordance with Class Rule A3.

I declare that I have measured the above boat and that it complies to the best of my knowledge in every respect with the Class Rules except as stated under measurer's remarks.

a) **Hull and Appendages** Item Nos (1 – 80)

Name of Measurer: Approved by:

Address:

.....

Signed: Date: :

b) **Rig and Other Items** Item Nos (81 – 120)

Name of Measurer: Approved by:

Address:

.....

Signed: Date: :

MEASURER'S REMARKS

DATE ORIGINAL MEASUREMENT COMPLETED:

OFFICIAL FLYING FIFTEEN CLASS MEASURER'S DECLARATION:

"In accordance with Class Rule A3, I declare that satisfactory measurement of the above boat has been completed."

Signed: Date:

| | |
|-------------------|--|
| Effective: | 1 March 2020 – Item 56 corrected to 15mm - 17 December 2019 |
| Previous Issues | 1 March 2017 |
| | 1 March 2014 |
| | 1 March 2011 |
| | 1 March 2008 |
| | 1 December 2004 |
| | 1 March 2002 |
| | 1 March 2001 |

INTERNATIONAL FLYING FIFTEEN CLASS

SAIL MEASUREMENT FORM

NAME OF BOAT..... SAIL NUMBER

OWNER

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|---|---------|--------|---------|
| | | <u>MAINSAIL</u> | | | |
| | | Maker's Name: | | | |
| | | Serial No.: | | | |
| | | Measurement Date: | | | |
| 121 | B13 | Top width | | | 130 |
| 122 | B13 | Headboard width measured at right angles to the luff | | | 102 |
| 123 | B13 | Leech length | | | 6530 |
| 124 | B13 | Half width | | | 2015 |
| 125 | B13 | Three-quarter width | | | 1150 |
| 126 | B13 | Head point to intersection of leech and centreline of upper most batten pocket | 1250 | | |
| 127 | B13 | Batten pocket distances, measured between the intersections of the pocket centrelines and the leech | 1200 | | |
| 128 | B13 | Clew point to intersection of leech and centreline of lower most batten pocket | 1250 | | |
| 129 | B13 | Batten pockets | | | |
| | | (a) upper pocket inside length | | | 782 |
| | | (b) other pockets inside length | | | 1035 |
| | | (c) inside width | | | 60 |
| | | (d) closed at luff end? | | Yes/No | |
| 130 | B13 | Primary reinforcement | | | 340 |
| 131 | B13 | Secondary reinforcement | | | |
| | | (a) from sail corner measurement points | | | 1020 |
| | | (b) for flutter patches | | | 140 |
| | | (c) for chafing patches | | | 1020 |
| | | (d) for batten pocket patches | | | 175 |
| 132 | B13 | Tabling width | | | 40 |
| 133 | B13 | Seam width | | | 20 |
| 134 | B13 | Windows, not exceeding 2, max total area of 0.6m ² | | Yes/No | |
| 135 | B13 | Window to sail edge | 150 | | |
| 136 | B13 | Inner end of foot bolt rope from clew point | 2500 | | |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|--|---------|--------|---------|
| 137 | B13 | Does upper leech shape conform to B13.5.1(d)? | | Yes/No | |
| 138 | B13 | Do distinguishing numbers, and letters (height 300mm, spacing 60mm) and Class emblem comply with Class Rules and RRS Rule 77? | | Yes/No | |
| 139 | B17 | Sailmaker's mark max. 150 x 150mm within 450mm of Tack | | Yes/No | |
| | | <u>HEADSAIL</u> | | | |
| | | Maker's Name: | | | |
| | | Serial No: | | | |
| | | Measurement Date: | | | |
| 140 | B13 | Top width | | | 40 |
| 141 | B13 | Luff length | 4390 | | 4420 |
| 142 | B13 | Leech length | | | 4090 |
| 143 | B13 | Foot median | | | 4265 |
| 144 | B13 | Foot length | | | 2180 |
| 145 | B13 | Foot irregularity | | | 35 |
| 146 | B13 | Primary reinforcement | | | 275 |
| 147 | B13 | Secondary reinforcement | | | |
| | | (a) from sail corner measurement points | | | 825 |
| | | (b) for flutter patches | | | 100 |
| | | (c) for chafing patches | | | 825 |
| 148 | B13 | Tabling width | | | 40 |
| 149 | B13 | Seam width | | | 20 |
| 150 | B13 | Windows, max total area of 0.3m ² | | Yes/No | |
| 151 | B13 | Window to sail edge | 150 | | |
| 152 | B13 | Does leech shape conform to B13.6.1(c) | | Yes/No | |
| 153 | B17 | Sailmaker's mark max. 150 x 150mm within 355mm of tack | | Yes/No | |
| | | <u>SPINNAKER</u> | | | |
| | | Maker's Name: | | | |
| | | Serial No: | | | |
| | | Measurement Date: | | | |
| 154 | B13 | Is the sail symmetrical? | | Yes/No | |
| 155 | B13 | Leech lengths, measured around the leeches | | | 4725 |
| 156 | B13 | Difference between leeches | | | 50 |
| 157 | B13 | Distances from clew points to mid point foot, measured around the foot | | | 1830 |
| 158 | B13 | Distances between points of the leeches 2350mm from the head point (measured around the leeches) and a point on the centre line 2350mm from the head point | 1460 | | 1760 |
| 159 | B13 | Foot median | | | 5300 |

| Item No | Rule No | Measurement | Minimum | Actual | Maximum |
|---------|---------|---|---------|--------|---------|
| 160 | B13 | Primary reinforcement | | | 295 |
| 161 | B13 | Secondary reinforcement | | | |
| | | (a) from sail corner measurement points | | | 885 |
| | | (b) from spinnaker recovery patches | | | 350 |
| 162 | B13 | Tabling width | | | 40 |
| 163 | B13 | Seam width | | | 20 |
| 164 | B13 | Do sail numbers (height 300mm, spacing 60mm) comply with RRS Rule 77? | | Yes/No | |
| | | <u>Sails General</u> | | | |
| 165 | A5 | Are all sails that measure signed and dated | | Yes/No | |
| 166 | B17 | Sail advertising complies with rule B17? | | Yes/No | |

MEASURER'S DECLARATION

To be completed by an Official Flying Fifteen Class Measurer, a Flying Fifteen Class Maintenance Measurer, or an Official Measurer (see Rule A3).

I declare that I have measured the above sail(s) which comply to the best of my knowledge in every respect with the Class Rules.

Sails Item Nos (121 – 166)

Name of Measurer: Approved by:

Address:

.....

Signed: Date:

- Effective:** **1 March 2020**
- Previous Issues: 1 March 2017
- 1 March 2014
- 1 March 2011
- 1 December 2008
- 1 March 2004
- 1 March 2002
- 1 March 2001