



International Etchells Class Measurement Form

Authority: International Sailing Federation, Ariadne House, Town Quay,
Southampton, Hampshire SO14 2AQ Great Britain

IN ORDER TO OBTAIN A HULL & SPARS MEASUREMENT CERTIFICATE

1. The licensed builder shall obtain an International Class Fee Receipt (ISAF Plaque Number) from the International Etchells Class Association for each boat built. This acts as a numbered International Class Fee Receipt. (Rule A.9)
2. Application shall be made by the owner or builder to the relevant National Authority, or if the National Authority is not administering the Class, to the International Etchells Class Association, for a Sail Number and Measurement Form submitting at the same time the proposed name of the boat and the ISAF Plaque Number.
3. A measurer appointed by the National Authority shall take all the measurements on this form. Further, the yacht is required to conform with all Measurements and Class Rules, even though the measurements are not required on this form. The measurer is required to certify on this form that the yacht conforms with the measurements, and to the best of his knowledge, the Measurements and Class Rules.
4. Items number 1-3, 5-47 inclusive, shall be measured and the details noted on the Measurement Form before the yacht leaves the licensed builder's premises.
5. All measurements are in millimetres and kilograms unless otherwise stated.
6. The Original Measurement Form when completed, shall be forwarded by the owner to his National Authority (or the International Etchells Class Association if the owner's National Authority is not administering the Class), together with any registration fee required, to obtain a Hull and Spar Measurement Certificate.

BEFORE SUBMITTING, PLEASE MAKE SURE THIS FORM IS PROPERLY COMPLETED

Name of Yacht Sail Number

OWNER'S NAME ISAF Plaque Number

Owner's Address

Name of Owner's Club

Builder ... Builder's Code

Builder's Completion Date HIN#

Class Hull Number Mould Number

Mast Serial Number Boom Serial Number

Yacht Fitted out by Outfitter Code

Fitted Out Completed

Item	Rule	Measurement	Minimum	Actual	Maximum
WEIGHT MEASUREMENTS					
1	E.3.9	Keel weight including keel bolts.....	953kg		965kg
2	D.10.3	Glass hull weight	380kg		
3	D.10.3	Bare yacht weight	1405kg		
4	D.10.3	Complete yacht weight	1508kg		1565kg Item Rule

Item	Rule	Measurements	Minimum	Actual	Maximum
HULL MEASUREMENTS					
5	D.10.2	Template at station 0.....		0	14
6	D.10.2	Template at station 3.....		0	14
7	D.10.2	Template at station 6.....		0	14
8	D.10.2	Template at station 10.....		0	14
Does sheerline lie between the marks on the templates at:					
9		Station 0.....			Yes/No
10		Station 3.....			Yes/No
11		Station 6.....			Yes/No
12		Station 10.....			Yes/No
D.10.2 Base line to hull centreline					
13		Point "A".....		1260	1290
14		Station 3.....		155	175
15		Station 6 (75mm from centreline).....		135	160
16		Point "C".....		660	685
17	D.10.2	Point "A" to centre of mast port.....		3800	3825
18	D.10.2	Point "A" to forward side of cockpit.....		4537	4567
19	D.10.2	Point "A" to "C" (LOA).....		9285	9300
D.10.2 Point "A" to forward edge of chainplate:					
20		Port.....		3810	3835
21		Starboard.....		3810	3835
D.10.2 Chainplate length:					
22		Port.....		260	266
23		Starboard.....		260	266
D.10.2 Chainplate to outer edge of deck:					
24		Port.....			40
25		Starboard.....			40
D.10.2 Mast Port size:					
26		Length.....		200	204
27		Width.....		98	102
28	D.10.2	Beam at station 6.....		2105	2125
29	D.10.2	Cockpit width at station 6.....		930	960
30	D.10.2	Cockpit length.....		2650	2680
31	C.9.4	Mast bury: point "B" to top of mast step.....		755	785
Point "C" to:					
32	E.4.8	After edge of rudder stock at hull.....		1890	1900
33	E.4.8	After edge of rudder stock at bottom of gudgeon.....		2135	2145
34	E.3.8	Intersection of leading edge & bottom of keel.....		4660	4686
35	E.3.8	Intersection of trailing edge & bottom of keel.....		3600	3626

Item	Rule	Measurements	Maximum	Actual	Maximum
36	E.3.8	Chaingirth at station 6: Port	2175		2190
37		Starboard	2175		2190
38	E.4.8	Rudder stock diameter	28		29
39		Does rudder profile comply with tolerances on template?		Yes/No	
40a	E.4.8	Greatest thickness of rudder or skeg (whichever is larger)	32		38
40b	E.4.8	Greatest thickness of rudder at 100mm plane.....			26
40c	E.4.8	Greatest thickness of rudder at 250mm plane.....			33
41	D.10.2	Skeg radius of leading edge			15
42	E.3.8	Height of lead	854		888
43	E.3.8	Height differential, Station 0 to Station 10 with keel 54.2 ⁰ to horizontal (Stn "0" the higher)	20		50
44	E.3.8	Keel template	0		3
		Keel:			
45	E.3.8	Length	1141		1150
46	E.3.8	Radius of leading edge			10
47	E.3.8	Keel bottom -- vee section degrees	38 ⁰		45 ⁰
		SPAR MEASUREMENTS			
48	F.3.4	"LB" to top of spinnaker track			1525
49	F.3.4	"LB" to centreline of spreaders at side of mast	3845		3875
50	F.3.4	"LB" to top of spinnaker halyard sheave (bottom of groove)			7575
51	F.3.4	"LB" to forestay intersection	7605		7635
52	F.3.4	"LB" to bottom of taper	7800		7950
53	F.3.4	"LB" to upper shroud attachment	8120		8140
54	F.3.4	"LB" to bottom of upper band			9906
55	F.3.4	Lower shroud attachment from centreline of spreader (above or below spreader)			60
		F.3.4 Spreader section:			
56		Fore and aft	47		49
57		Depth	18		20
		F.3.4 Spreader length from side of mast to centreline of shroud			
58		Port	760		780
59		Starboard	760		780
		F.3.4 Spreader swing:			
60		Port (fore and aft).....			75/100
61		Starboard (fore and aft).....			75/100

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Item	Rule	Measurements	Minimum	Actual	Maximum
62	F.3.4	Spinnaker halyards extension			45
63	F.4.3	Spinnaker track length	1220		
	F.3.4	Mast section:			
64		Fore and aft	123		126
65		Athwartship	76		79
	F.3.4	Mast section at upper band			
66		Fore and aft	65		75
67		Athwartship	60		70
68	E.3.5	Bare mast tip weight (without spreaders, heel plug and rigging)	12kg		
69	F.3.5	Rigged mast tip weight (with rigging).....	13kg		
	F.4.4	Main boom section:			
70		Depth	81		84
71		Width	65		67
		Main boom:			
72a	C.9.5	Forward edge of band to after side of mast			3530
72b	F.4.4	Extension beyond forward edge of band to end of boom (excluding boom end plug)	100		150
73	C.9.4	Main boom: downhaul stop fitted Fixed...		Yes/No	
74	F.5.5	Spinnaker pole: overall length including fittings			2895
		FINISHED YACHT MEASUREMENTS			
75	C.9.7	Point "A" to forestay on deck	1290		1340
76	D.10.2	Floorboards weight	15kg		20kg
77	D.6.2	Do floorboard fastenings comply?		Yes/No	
78	D.7.2	Do access hole covers in watertight bulkheads and their fastenings comply with rule?		Yes/No	
79	D.7.2	Are there any unfilled holes in flotation compartments?		Yes/No	
80	C.9.4	Top of lower band, "LB", to point "B"	725		740
81	D.10.2	Do console limitations comply?		Yes/No	
82	D.10.2	Height of cockpit sole below deck edge at station 6	640		770

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DECLARATIONS

1. To be signed by LICENSED BUILDER moulding and assembling the hull and keel.

I certify that

- (a) This yacht has been constructed from officially registered, numbered and measured mould supplied from the Source approved by the ISAF
- (b) This yacht has been constructed in accordance with the Rules, Plans and Specifications of the International Etchells Class Association.
- (c) Keel Weight: Item 1, and Height of Lead: Item 42

Name of Builder (Print).....

Signature of Builder Date

2. To be signed by Outfitter completing the yacht.

I certify that this yacht is, to the best of my knowledge, built and fitted out in accordance with the Rules of the International Etchells Class Association at present in force.

Name of Outfitter (Print)

Signature of Outfitter: Date

3. Glass Hull Weight: Item 2.

To be signed by the LICENSED BUILDER moulding and assembling the hull and keel.

I certify that I have weighed this glass hull, and that the particulars of this form are correct and that, to the best of my knowledge, this yacht complies with the Rules of the International Etchells Class Association at present in force.

Name of Builder: (Print)

Signature of Builder.: Date:.....

4. Bare Yacht Weight: Item 3

To be signed by the LICENSED BUILDER moulding and assembling the hull and keel.

I certify that I have weighed this Bare Yacht, and that the particulars of this form are correct and that, to the best of my knowledge, this yacht complies with the Rules of the International Etchells Class Association at present in force.

Name of Builder: (Print)

Signature of Builder.: Date:.....

5. Complete Yacht Weight: Item 4

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments

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6. (a) Hull: Item 5—41 and 43 - 47

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

(b) Spars: Items 48 - 68

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

(c) Spars: Items 69

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

(d) Spars: Items 70 - 72b

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

(e) Spars: Items 73 - 74

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

(f) Finished Yacht: Items 75 - 82

Name of Measurer: (Print)

Signature of Measurer: Date:

Measurer approved by:

Comments:

ISAF Plaque No