

# 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 8.1)
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
<b>WEIGHT MEASUREMENTS</b>					
1	3.6.1	Keel weight including keel bolts.....	953kg		965kg
2	3.9.1	Glass hull weight .....	380kg		
3	3.9.2	Bare yacht weight .....	1405kg		
4	3.10.1	Complete yacht weight .....	1508kg		

Item	Rule	Measurements	Minimum	Actual	Maximum
<b>HULL MEASUREMENTS</b>					
5	3.3	Template at station 0.....	0		14
6	3.3	Template at station 3.....	0		14
7	3.3	Template at station 6 .....	0		14
8	3.3	Template at station 10 .....	0		14
	3.3	Does sheerline lie between the marks on the template at:			
9		Station 0 .....		Yes/No	
10		Station 3 .....		Yes/No	
11		Station 6 .....		Yes/No	
12		Station 10 .....		Yes/No	
	3.3	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	3.4.1	Point "A" to centre of mast port .....	3800		3825
18	3.4	Point "A" to forward side of cockpit .....	4537		4567
19	3.3.1	Point "A" to "C" (LOA) .....	9285		9300
	3.4	Point "A" to forward edge of chainplate:			
20		Port .....	3810		3835
21		Starboard .....	3810		3835
	3.4	Chainplate length:			
22		Port .....	260		266
23		Starboard .....	260		266
	3.4	Chainplate to outer edge of deck:			
24		Port .....			40
25		Starboard .....			40
	3.4.1	Mast Port size:			
26		Length .....	200		204
27		Width .....	98		102
28	3.4	Beam at station 6 .....	2105		2125
29	3.4	Cockpit width at station 6 .....	930		960
30	3.4	Cockpit length .....	2650		2680
31	3.3	Mast bury: point "B" to top of mast step .....	755		785
		Point "C" to:			
32	3.5	After edge of rudder stock at hull .....	1890		1900
33	3.5	After edge of rudder stock at bottom of gudgeon .....	2135		2145
34	3.6.2	Intersection of leading edge & bottom of keel .....	4660		4686
35	3.6.2	Intersection of trailing edge & bottom of keel .....	3600		3626
Item	Rule	Measurements	Maximum	Actual	Maximum

36	3.6.2	Chaingirth at station 6: Port .....	2175	2190
37		Starboard .....	2175	2190
38	3.5	Rudder stock diameter .....	28	29
39	3.5	Does rudder profile comply with tolerances on template.		Yes/No
40a	3.5	Greatest thickness of rudder or skeg (whichever is larger)	32	38
40b	3.5	Greatest thickness of rudder at 100mm plane.....		26
40c	3.5	Greatest thickness of rudder at 250mm plane.....		33
41	3.5	Skeg radius of leading edge .....		15
42	3.6.1	Height of lead .....	854	888
43	3.6.2	Height differential, Station 0 to Station 10 with keel 54.2 <sup>0</sup> to horizontal	20	50
44	3.6.2	Keel template .....	0	3
45	3.6.2	Keel: Length .....	1141	1150
46		Radius of leading edge .....		10
47		Keel bottom -- vee section degrees .....	38 <sup>0</sup>	45 <sup>0</sup>
SPAR MEASUREMENTS				
48	4.5.3	“LB” to top of spinnaker track .....		1525
49	4.2	“LB” to centreline of spreaders at side of mast .....	3845	3875
50	4.2	“LB” to top of spinnaker halyard sheave (bottom of groove) .....		7575
51	4.2	“LB” to forestay intersection .....	7605	7635
52	4.2	“LB” to bottom of taper .....	7800	7950
53	4.2	“LB” to upper shroud attachment .....	8120	8140
54	4.3.2	“LB” to bottom of upper band .....		9906
55	4.2	Lower shroud attachment from centreline of spreader (above or below spreader) .....		60
56	4.2	Spreader section: Fore and aft .....	47	49
57		Depth .....	18	20
58	4.2	Spreader length from side of mast to centreline of shroud Port .....	760	780
59		Starboard .....	760	780
60	4.3.3	Spreader swing: Port (fore and aft).....		75/100
61		Starboard (fore and aft).....		75/100

Item	Rule	Measurements	Minimum	Actual	Maximum
62	4.2	Spinnaker halyards extension .....			45

63	4.5.3	Spinnaker track length .....	1220	
64	4.2	Mast section:		
65		Fore and aft .....	123	126
		Athwartship .....	76	79
66	4.2	Mast section at upper band		
67		Fore and aft .....	65	75
		Athwartship .....	60	70
68	4.3.5	Bare mast tip weight (without spreaders, heel plug and rigging) .....	12kg	
69	4.3.6	Rigged mast tip weight (with rigging).....	13kg	
70	4.2	Main boom section:		
71		Depth .....	81	84
		Width .....	65	67
72a	4.4.2	Main boom:		
72b	Spar plan	Forward edge of band to after side of mast .....		3530
		Extension beyond forward edge of band to end of boom (excluding boom end plug) .....	100	150
73	4.3.2	Main boom: downhaul stop fitted .....	Fixed...	Yes/No
74	4.5.2	Spinnaker pole: overall length including fittings .....		2895
75	3.4	FINISHED YACHT MEASUREMENTS		
		Point "A" to forestay on deck .....	1290	1340
76	3.3.3	Floorboards weight .....	15kg	20kg
77	3.3.3	Do floorboard fastenings comply? .....		Yes/No
78	3.3.2	Do access hole covers in watertight bulkheads and their fastenings comply with rule? .....		Yes/No
79	3.7	Are there any unfilled holes in flotation compartments? .....		Yes/No
80	4.3.2	Top of lower band, "LB", to point "B" .....	725	740
81	7.1.5	Do console limitations comply? .....		Yes/No
82	3.3.3	Height of cockpit sole below deck edge at station 6 .....	640	770

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 (Block capitals) .....

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.

Name of Outfitter (Print) .....

Signature of Outfitter: ..... Date .....

3. To be signed by the Official Measurer(s).

I certify that I have measured the following items on this 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, except as stated below.

(a) Glass Hull Weight: Item 2.

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date:.....

Measurer approved by .....

Comments:

(b) Bare Yacht Weight: Item 3

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(c) Complete Yacht Weight: Item 4

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments

(d) Hull: Item 5—41 and 43 - 47

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(e) Spars: Items 48 - 68 and 73

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(f) Spars: Items 69

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(g) Spars: Items 70-72b

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(h) Spars: Item 74

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments:

(i) Finished Yacht: Items 75—82

Name of Measurer: (Print) .....

Signature of Measurer: ..... Date: .....

Measurer approved by: .....

Comments: