ISAF Plaque No. : …….

2005

INTERNATIONAL YNGLING CLASS MEASUREMENT FORM

***Authority: International Sailing Federation**
Ariadne House, Town Quay, Southampton, SO14 2AQ
United Kingdom

The International Sailing Federation (ISAF) is not a National Authority (NA).
IN ORDER TO OBTAIN A MEASUREMENT CERTIFICATE:

1. The builder shall pay the International Class Fee to ISAF which shall issue an International Class Fee Receipt and ISAF plaque to the builder.

2. The owner or builder shall apply to his National Authority (NA) for a sail number.

3. Item number 1-86 inclusive shall be measured and the details entered on the measurement form before the yacht leaves the licensed builder's premises.

   A measurer officially recognised by a NA shall take all the measurements on this form. Further, the yacht is required to conform with all the class rules even though the measurements are not required on this form.

4. The master copy of this form shall be kept by the official measurer, or the builder. Certified copies of this form when completed shall be forwarded to 1) the ISAF Office, Technical Department, 2) the IYA chief measurer, and 3) the NA of the owner together with any registration fee required by the NA. A fourth certified copy shall be kept by the owner.

BEFORE SUBMITTING THIS FORM PLEASE MAKE SURE IT HAS BEEN PROPERLY COMPLETED

ISAF Plaque Number:.....

Name of Boat:..... Sail Number: . . . . . .

Owner's Name: .....

Owner's Address: .....

.....

Owner's Club: .....

Builder's Name: .....Date Built: . . . . . .

Hull Serial Number: ..... Mould Number: . . . . . .

Measurer's Name: ..... Date Measurement: . . . . . .

Completed: .....

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GENERAL NOTES FOR MEASURERS

1. In the case of a discrepancy between this form and the class rules, the matter shall be referred to the ISAF.

2. All measurements are in millimetres (mm) unless otherwise stated.

3. In completing the form, the actual measurement shall be recorded for all Items, not simply a tick if the measurement lies between the Rule Max and Min

ITEM No.	RULE No.	MEASUREMENT	MIN (mm)	ACTUAL (mm)	MAX (mm)
HULL AND KEEL MEASUREMENTS					
1	E 2.4	Keel weight excluding coating	305kg		315kg
2	C.M.	Keel C.G. below flange			500
3	D 3.2(e)	Lifting eye(s)/strap(s) - Total weight			2kg
4	C.M.	Hull weight	200kg		
5	C.M.	Hull vertical C.G. - Hull balances at max. 110^{o}		Yes/No	
6	D 3.3	Hull Length	6340		6370
7	App 3A	Base line to centreline of hull at: Aft Datum	670		685
8	App 3A	675 forward of Aft Datum	537		547
	App 3A	1350 forward of Aft Datum, Template No 1		421	
9	App 3A	2025 forward of Aft Datum	315		325
10	App 3A	2700 forward of Aft Datum, Template No 2	220		235
11	App 3A	4050 forward of Aft Datum, Template No 3	202		210
12	App 3A	4725 forward of Aft Datum	280		288
	App 3A	5400 forward of Aft Datum		439	
13	App 3A	Base line to sheerline at stem datum point	1160		1180
14	App 3A	Distance from breakwater measurement point to forward bulkhead	880		1480
15	App 3A	Distance from aft edge of cockpit to aft bulkhead	50		150
16	D 3.3	Blocks of buoyant rigid foam		Yes/No	
17	D 3.3	Height of floor at centre above keel flange (raised floor type)	325		375
18	App 3B	Cabin top height above sheerline at Template No3	190		210

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ITEM No.	RULE No.	MEASUREMENT	MIN (mm)	ACTUAL (mm)	MAX (mm)
19	D 3.3	Radius between outside of transom and outside of hull shell	4		
20	D 3.3	Thickness of plywood double bottom	14		

			Temp 1		Temp 2		Temp 3		Temp 4	
21	App 3B	Section Templates Measurements from template to hull at increments from centreline - measured normal to hull surface.	P	S	P	S	P	S	P	S
		50mm								
		100mm								
		150mm								
		200mm								
		250mm								
		300mm								
		350mm								
		400mm								
		450mm								
		500mm								
		550mm								
		600mm								
		650mm								
		700mm								
		750mm								
		800mm								
		850mm								
		900mm								
		950mm								
		1000mm								
		1050mm								
		1100mm								
		1150mm								
		1200mm								
		1250mm								
		TOP								
22	App 3B	Sheer Height (*)								

* - Nominal height is marked on template, tolerance is +/- 10mm. Record actual value on measurement form

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ITEM No.	RULE No.	MEASUREMENT	MIN (mm)	ACTUAL (mm)	MAX (mm)
23	App 3A	Transom template	4		16
24	App 4	Keel template 92 mm up (no. 75)	8		12
25	App 4	Keel template 293mm up (no. 240)	8		12
26	App 4	Keel template 391mm up (no. 320)	8		12
27	App 4	Keel template 489mm up (no. 400)	8		12
28	App 4	Keel template 733mm up (no.600)	8		12
29	App 3A E 2.3	60mm up the trailing edge keel to transom measurement point	2725		2765
30	E 2.3	Depth of keel from underside at Station 2			800
31	E 2.3	Keel - radius of leading and trailing edges	2		
RUDDER					
32	D 3.3	Rudder stock centreline to hull datum point	1045		1075
33	E 3.3	Rudder stock diameter	22		
34	C.M.	Rudder stock solid and of correct material		Yes/No	
35	App 5	Rudder profile as on Measurement Diagram		Yes/No	
36	App 5	Centre of rudder stock to upper aft corner of rudder	255		305
37	App 5	Upper rudder template clearance	4		6
38	App 5	Lower rudder template clearance	4		6
39	E 3.3	Sectional radius of rudder blade edges	2		
40	E 3.4	Weight of rudder blade and stock	6kg		
HULL - fittings etc.					
41	D 3.2	Bollards Front/Rear diameter	9.3		
42	D 3.3	Forestay position from stem datum point	385		395
43	D 3.3	Shroud position in front of Aft Breakwater Measurement Point (port/starboard)	1830		1860
44	D 3.3	Shroud position from outer edge of deck			60
45	C 9.2	Mast position, foreside from breakwater measurement point	240		360
46	D 3.2	Positive fastening device for watertight inspection covers		Yes/No	
47	C 7.2	Are there holes in deck above watertight compartments or in the bulkheads?		Yes/No	
48	C 7.1	Maximum size of holes in deck			120
49	C 7.2	Are foot straps fitted inside the cockpit?		Yes/No	
50	C 7.2	Handles on deck - height			75

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ITEM No.	RULE No.	MEASUREMENT	MIN (mm)	ACTUAL (mm)	MAX (mm)
51	C 7.2	Dashboard arrangement, if any, to inside of hull	180		
52	C 7.2	Attachment point of the main sheet block(s) in the cockpit below the top of the cockpit coaming	250		
		SPAR MEASUREMENTS			
53	F 2.5	Limit mark width	10		
54	F 2.5	Fore and aft dimension including groove	89		95
55	F 2.5	Transverse dimension	61		67
56	F 2.5	Mast datum point to beginning of spar taper	4500		
57	F 2.5	Fore and aft dimension at the upper point	66		74
58	F 2.5	Transverse dimension at the upper point	52		58
59	F.2.5	**Mast Spar Curvature**			40
60	F 2.5	**Mast spar deflection** when loaded with 20 kg at 3400mm from the **mast datum point** measured at 3400 from **datum**: **fore and aft**	30		40
61	F 2.6	Mast weight	17 kg		
62	F 2.6	**Mast Tip Weight** Note all halyard shackles < 70 g	7.5 kg *		
63	F.2.6	Tip **Corrector Weight**			300 g
64	C 9.2	Distance from the mast datum point to the intersection of the top of the deck and the aft face of the spar	495		505
65	F 2.5	Forestay height	5200		5300
66	F 2.5	Upper point height			6800
67	F 2.5	Upper shroud height	5250		5350
68	F 2.5	Lower shroud height	2450		2550
69	F 2.5	Spinnaker hoist height	5240		5360
70	F 2.5	Distance from fwd face of spinnaker sheave to fwd face of mast			60
71	F 2.5	Spinnaker Pole fitting projection			45
72	F 2.5	Spreader Length	590		
73	F 5.1	Diameter of forestay, upper and lower shrouds and backstay	3		
		BOOM MEASUREMENTS			
74	C 9.3	Limit mark width	10		
75	F 3.4	Section - vertical	69		75
76	F 3.4	Section - transverse	51		57

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ITEM No.	RULE No.	MEASUREMENT	MIN (mm)	ACTUAL (mm)	MAX (mm)
77	C 9.3	Boom spar curvature forward of outer limit mark			25
78	C 9.3	Boom point distance			2600
79	F 3.4	Limit of boom cutaway			200
SPINNAKER BOOM MEASUREMENTS					
80	F 4.4	Spinnaker Pole length			2015
81	F 2.5	Attachment to mast above mast datum			1000
ALL UP WEIGHT					
82	C.6.1	Dry weight of complete boat	645kg		
83	C.6.2	Weight of boat in dry condition excluding rig	620kg		
84		Number of corrector weights located under deck:		.....	-
85	C 6.4	2/3 forward of cockpit: Actual weight		.....	kg
86		1/3 aft of cockpit: Actual weight		.....	kg

DECLARATIONS

To be signed by the **LICENSED BUILDER**

(a) This yacht has been built using official registered plugs and patterns.

(b) This yacht has been constructed according to the official plans and International Yngling Class Rules.

Name of Builder: .....

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

To be signed by the **OFFICIAL MEASURER(S)**

I certify that I have measured the following items in this yacht, that the particulars on this form are correct and that to the best of my knowledge this yacht complies with the Rules of the International Yngling Class Rules at present in force, except as stated below:

(a) KEEL - Items 1 and 2

Name of Measurer: .....

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

Measurer's Comments:

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(b) Hull Items 3-40 inclusive

Name of Measurer: .....

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

Measurer's Comments:

(c) Hull Items 41-52 inclusive

Name of Measurer: .....

Signature of Measurer: .....Date: . . . . . .
Measurer's Comments:

(d) SPARS Items 53-81 inclusive

Name of Measurer: .....

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

Measurer's Comments:

(e) WEIGHT Items 82-86 inclusive

Name of Measurer: .....

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

Measurer's Comments:

Date of Issue: 17th March 2005