

# MEASUREMENT CERTIFICATE

This form is the certificate required as per International Sailing Federation RRS 78

## INTERNATIONAL YNGLING CLASS

**Sail endorsement** All sails used when racing shall have been measured by an N.A. approved measurer who shall have stamped, signed and dated each sail at its tack for fore and aft sail and at its head for spinnakers.

**Owner's declaration** I undertake to race this International YNGLING only so long as I maintain it strictly in accordance with the Class Rules.

Owner's signature:

Builder	<b>DE WOLFE</b>	Date completed	<b>2005</b>
		ISAF/IYRU Plaque N°	<b>426</b>
Hull N°	<b>SPS21056K607</b>	Mould N° / Plug N°	<b>BN</b>
Measurer (s)	<b>Gareth Eams + J.- P. Marmier IM SUI-1</b>	Appointed by	<b>US Yngling Ass. Swiss Sailing</b>
Date of measurement	<b>9 Jan. 2007</b>	Sail N° when first measured	<b>FRA - 8</b>
Dry weight of complete boat	<b>645 kg</b>	Including C.W.	
Corrector weights	fwd <b>3.9</b> kg	Permanently fastened corrector weights	fwd <b>none</b> kg
	aft <b>1.96</b> kg		aft <b>none</b> kg

**SAIL N°**

**SUI - 467**

Registered by National Authority:



Stamp and date of registration

### OWNER

Name **Club Nautique Français  
c/ Andreas Lehmann**

Address **Mythenquai 83**

Code - City **CH - 8002 Zürich**

Nation **SUI N° SWS 54884**

Club **SIMPL**



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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: 426

Name of Boat: ..... Sail Number: FRA-8

Owner's Name: .....

Owner's Address: .....

Owner's Club: .....

Builder's Name: DEWolf Boats ..... Date Built: December 2006

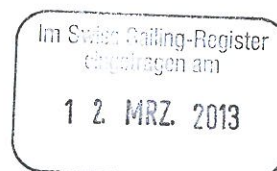
Hull Serial Number: SP521056K607 ..... Mould Number: .....

Measurer's Name: Gareth Earnes ..... Date Measurement: 1/9/07

Completed: .....

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Measurement Committee  
J.-P. Marmier, chairman  
*[Signature]* SW-467





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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)
<b>HULL AND KEEL MEASUREMENTS</b>					
1	E 2.4	Keel weight excluding coating	305kg	306	315kg
2	C.M.	Keel C.G. below flange		2.400	500
3	D 3.2(e)	Lifting eye(s)/strap(s) - Total weight		1.0	2kg
4	C.M.	Hull weight	200kg	220	
5	C.M.	Hull vertical C.G. - Hull balances at max. 110°		Yes/No	
6	D 3.3	Hull Length	6340	6355	6370
7	App 3A	Base line to centreline of hull at: Aft Datum	670	672	685
8	App 3A	675 forward of Aft Datum	537	544	547
	App 3A	1350 forward of Aft Datum, Template No 1		421	
9	App 3A	2025 forward of Aft Datum	315	321	325
10	App 3A	2700 forward of Aft Datum, Template No 2	220	234	235
11	App 3A	4050 forward of Aft Datum, Template No 3	202	208	210
12	App 3A	4725 forward of Aft Datum	280	286	288
	App 3A	5400 forward of Aft Datum		439	
13	App 3A	Base line to sheerline at stern datum point	1160	1175	1180
14	App 3A	Distance from breakwater measurement point to forward bulkhead	880	930	1480
15	App 3A	Distance from aft edge of cockpit to aft bulkhead	50	90	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	348	375
18	App 3B	Cabin top height above sheerline at Template No3	190	200	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		
21	App 3B	Section Templates Measurements from template to hull at increments from centreline - measured normal to hull surface.	Temp 1 P S	Temp 2 P S	Temp 3 P S
		50mm	10 10	10 10	10 10
		100mm	10 9	10 10	10 9 10
		150mm	10 10	9 10	10 10 10
		200mm	11 10	9 10	10 10 10
		250mm	11 10	9 10	11 10 11
		300mm	10 10	9 10	11 10 11
		350mm	10 10	10 10	11 10 11
		400mm	10 10	9 10	11 10 11
		450mm	11 10	9 10	11 9 11
		500mm	11 10	10 10	9 11 9 11
		550mm	11 10	10 11	9 11 9 10
		600mm	10 9	10 11	9 11 9 10
		650mm	10 9	10 11	10 11 10 10
		700mm	10 9	10 10	11 10 11
		750mm	11 9	10 10	10 9 11
		800mm	11 9	10 9	11 9 11
		850mm	10 10	10 9	10 10 11
		900mm	10 10	10 10	10 9 10
		950mm	11 10	10 10	11 9 10
		1000mm	11 9	10 9	11 9 11
		1050mm	10 10	10 10	10 10 10
		1100mm	10 10	10 10	10 10 10
		1150mm	10 10	10 10	10 10 10
		1200mm	10 10	10 10	10 10 10
		1250mm	10 10	10 10	10 10 10
		TOP	11 9	10 11	11 10 10
22	App 3B	Sheer Height (*)	14 15	14 15	15 14 15 15

\* - 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	10	16
24	App 4	Keel template 92 mm up (no. 75)	8	9	12
25	App 4	Keel template 293mm up (no. 240)	8	9	12
26	App 4	Keel template 391mm up (no. 320)	8	10	12
27	App 4	Keel template 489mm up (no. 400)	8	11	12
28	App 4	Keel template 733mm up (no.600)	8	11	12
29	App 3A E 2.3	60mm up the trailing edge keel to transom measurement point	2725	2727	2765
30	E 2.3	Depth of keel from underside at Station 2		790	800
31	E 2.3	Keel - radius of leading and trailing edges	2	3	
<b>RUDDER</b>					
32	D 3.3	Rudder stock centreline to hull datum point	1045	1050	1075
33	E 3.3	Rudder stock diameter	22	25	
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	278	305
37	App 5	Upper rudder template clearance	4	5	6
38	App 5	Lower rudder template clearance	4	5	6
39	E 3.3	Sectional radius of rudder blade edges	2	2	
40	E 3.4	Weight of rudder blade and stock	6kg	6.6	
<b>HULL - fittings etc.</b>					
41	D 3.2	Bollards Front/Rear diameter	9.3	9.5	
42	D 3.3	Forestay position from stem datum point	385	390	395
43	D 3.3	Shroud position in front of Aft Breakwater Measurement Point (port/starboard)	1830	1845	1860
44	D 3.3	Shroud position from outer edge of deck		15	60
45	C 9.2	Mast position, foreside from breakwater measurement point	240	241	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		50	120
49	C 7.2	Are foot straps fitted inside the cockpit?		Yes/No	
50	C 7.2	Handles on deck - height		NA	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	NA	
52	C 7.2	Attachment point of the main sheet block(s) in the cockpit below the top of the cockpit coaming	250	252	
<b>SPAR MEASUREMENTS</b>					
53	F 2.5	Limit mark width	10	10	
54	F 2.5	Fore and aft dimension including groove	89	91	95
55	F 2.5	Transverse dimension	61	65	67
56	F 2.5	Mast datum point to beginning of spar taper	4500	5385	
57	F 2.5	Fore and aft dimension at the upper point	66	68	74
58	F 2.5	Transverse dimension at the upper point	52	58	58
59	F 2.5	Mast Spar Curvature		0	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	37	40
61	F 2.6	Mast weight	17 kg	17.6	
62	F 2.6	Mast Tip Weight Note all halyard shackles < 70 g	7.5 kg *		
63	F 2.6	Tip Corrector Weight		0	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	504	505
65	F 2.5	Forestay height	5200	5265	5300
66	F 2.5	Upper point height		6791	6800
67	F 2.5	Upper shroud height	5250	5275	5350
68	F 2.5	Lower shroud height	2450	2500	2550
69	F 2.5	Spinnaker hoist height	5240	5300	5360
70	F 2.5	Distance from fwd face of spinnaker sheave to fwd face of mast		60	60
71	F 2.5	Spinnaker Pole fitting projection		35	45
72	F 2.5	Spreader Length	590	625	
73	F 5.1	Diameter of forestay, upper and lower shrouds and backstay	3	3	
<b>BOOM MEASUREMENTS</b>					
74	C 9.3	Limit mark width	10	10	
75	F 3.4	Section - vertical	69	73	75
76	F 3.4	Section - transverse	51	55	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		0	25
78	C 9.3	Boom point distance		2595	2600
79	F 3.4	Limit of boom cutaway		195	200
<b>SPINNAKER BOOM MEASUREMENTS</b>					
80	F 4.4	Spinnaker Pole length		2014	2015
81	F 2.5	Attachment to mast above mast datum		600	1000
<b>ALL UP WEIGHT</b>					
82	C.6.1	Dry weight of complete boat	645kg		
83	C.6.2	Weight of boat in dry condition excluding rig	620kg	620	
84		Number of corrector weights located under deck:	3		-
85	C 6.4	2/3 forward of cockpit: Actual weight	3.9		kg
86		1/3 aft of cockpit: Actual weight	1.96		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: DeWolf Boats

Signature of Builder: [Signature] Date: 1/9/07

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:

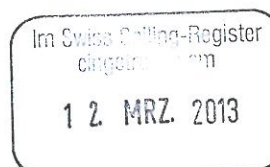
- (a) KEEL - Items 1 and 2

Name of Measurer: Gareth Earnes

Signature of Measurer: [Signature] Date: 1/9/07

Measurer's Comments:

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(b) Hull Items 3-40 inclusive

Name of Measurer: Gareth Eames

Signature of Measurer: [Signature] Date: 1/9/07

Measurer's Comments:

(c) Hull Items 41-52 inclusive

Name of Measurer: Gareth Eames

Signature of Measurer: [Signature] Date: 1/9/07

Measurer's Comments:

(d) SPARS Items 53-81 inclusive

Name of Measurer: Gareth Eames

Signature of Measurer: [Signature] Date: 1/9/07

Measurer's Comments:

(e) WEIGHT Items 82-86 inclusive

Name of Measurer: Gareth Eames

Signature of Measurer: [Signature] Date: 1/9/07

Measurer's Comments:

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Date of Issue: 17<sup>th</sup> March 2005

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