

# International 5.5 Metre Class Certificate of Rating

Yacht's Name: ..... *n. Stess* ..... Sail Number: ..... *Z 167* .....  
 Owner: ..... *P Egger* ..... Owner's Club: ..... *CVB* .....  
 Designer: ..... *Burton-Chance, jun* ..... Date Completed: ..... *17. May 1989* .....  
 Has designer's or builder's declaration been supplied: YES / NO (Delete whichever is applicable)

Condition of water when marks were sighted: State fresh or salt: ..... *frsh* .....  
 Difference in immersion (class rule 5): ..... *0.007* (metres)

Classification Society: ..... *Bureau Veritas, Paris (F)* .....  
 Expiration date of classification certificate: ..... *16. of may 1991* .....

Measurements or partial re-measurements by National Authority Measurer, signature and date and Item No:

**USY-Vern.**  
 Signature: *O Weber* Date: *17th of may 89* Item No: *1 to 61*  
 ..... *CA 8802 Kilchberg/ZH* .....

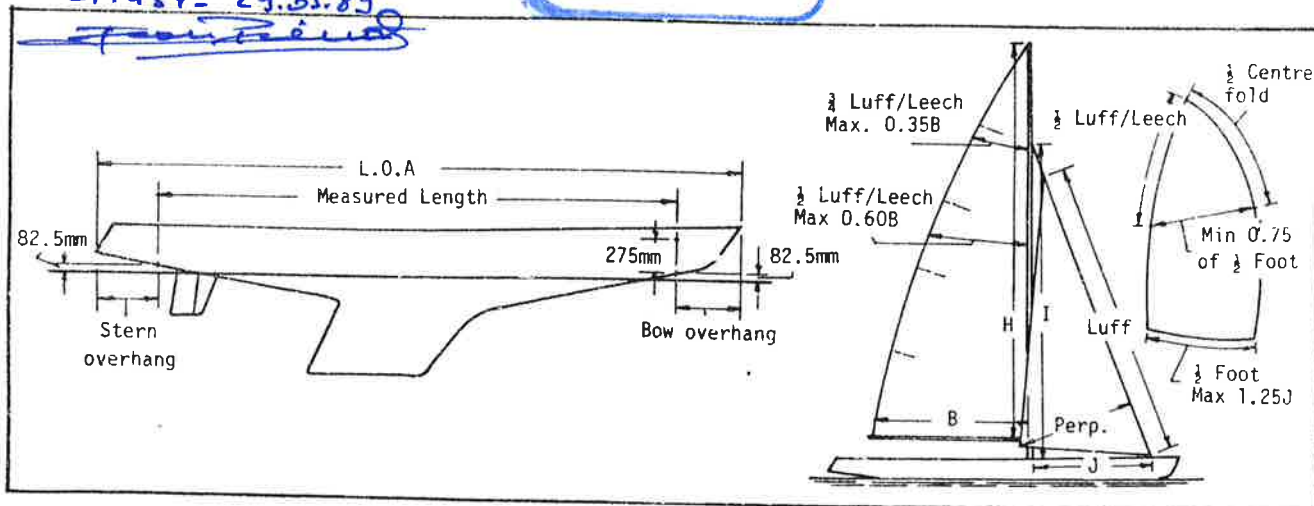
Expiration date of rating certificate: *16th of may 1991* .....  
 Re-Rated: .....

I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: ..... *[Signature]* .....  
 Signature of designer or builder: ..... *[Signature]* .....  
 Signature of owner or representative: ..... *[Signature]* .....

Certificate authorised by: ..... **Im USY-Vern. eingetragen** ..... Date: .....  
 For: ..... **2. JUNI 1989** ..... (enter name of National Authority)

*CT. USY- 29.05.89*



Item No.		Actual	Rule Limits	Rule No.
	<b>HULL</b>			
1	Immersion checked in salt <u>fresh</u> water	date 18. V. 89		5,24
2	Weight of inside ballast placed at _____	NONE		27
3	Beam	1.910	min. 1.90m	2,8
4	Max. Draft	1.337	max. 1.35m	2
5	Freeboard at bow girth station	0.676		4
6	Freeboard at stern girth station	0.640		4
7	Freeboard at midship mark	0.618		4
8	Freeboard average	0.645	min. 0.63m	4
9	Keel and ballast materials	lead	lead or iron	9(iii)
10	Keel height of round at bottom	0.010	min. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	0.180	min. 150mm	9(iv)
12	Stern angle	0.293	min. 1 in 5.5 = 0.182	11
13	Round of beams	mit	max. 7mm in 305mm	12
14	Tumblehome	mit		13
15	Deduct 2% of max. beam			
16	Excess tumblehome	φ	3 x excess added to rating	13
17	Area of deck openings	2.250	max. 2.25m <sup>2</sup>	21
18	Cockpit forward of L1 mark	1.790	min. 1.75m	22
19	Breadth of side decks	0.402	min. 35cm	21
	<b>SAILS AND RIGGING</b>			
20	Height of sailplan above covering board level	11.100	max. 11.10m	14
21	Height of boom (black band) above covering board level	0.500	max. 0.85m min. 0.50m	16
22	Height of fore triangle above covering board level (1)	8.880	max. 8.88m	15
23	Base of fore triangle (J) (Deck black band to be checked)	2.692	max. 0.50 x √5	14
24	Min. Headsail for measurement purposes = 0.5 x I x J x 80%	9.562		14
25	Spinnaker, halliard above forestay	0.100	max. 10cm	17
26	Spinnaker halliard out from mast	0.005	max. 3cm	17
27	Spinnaker breadth of half the foot	3.360	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2.692	max. J	17
29	Spinnaker boom length	2.692	max. J	18
30	Mast diameter at ½ ht. of fore triangle, round mast	102 x 142	min. 11.5cm	19
31	Mast diameter at deck, round mast	102 x 142	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast	100 x 140	min. 9.2cm	19
33	Mast diameter at top, round mast	60 x 71	min. 5.8cm	19
	(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	Tip weight of mast	17.5	min. 16kgs	19
35	Boom depth	8.2	max. 15.2cm	20
36	Boom width	6.9	min. 3.8cm	20

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Item No.		Actual	Rule Limits	Rule No.
<b>MISCELLANEOUS</b>				
37	Weight of anchor	11 kg	max. 13kgs min. 11kgs	23
38	Length of warp (min. diameter 9mm)	OK	min. 30m	23
39	Top of I marks above water with yacht in racing trim	OK		5
Item No.		Actual Measures		Rule Limits
<b>LENGTH L FOR RATING</b>				
40	Overall length L.O.A.		9.162	
41	Bow overhang to L <sub>1</sub>	.824		
42	Stern overhang L <sub>1</sub>	.951		
43	Total overhang	add	1775	
44	Measured length L <sub>1</sub>		subtract 7387	
45	Girth at bow	.695		
46	Twice vertical height at bow (=0.550m)	.550		
47	Bow girth difference	subtract	.165	min. 0.165m (rule 3)
48	Girth at stern	1.742		
49	Twice vertical height at stern	1.116		
50	Stern girth difference	subtract	.626	
51	1/3 stern girth difference	div. by 3	.284	min. 0.234m (rule 3)
52	Length L for rating formula	add	7786	
<b>SAIL AREA FOR RATING</b>				
53	Largest headsail = 0.5 x <u>10.600</u> (luff) x _____ (perp)		9.562	min. see item 24
54	Mainsail = 0.5 x <u>10.600</u> (H) x <u>3.668</u> (B)		19.438	min 26.5m <sup>2</sup> (rule 2)
55	Total sail area S	add	29.000	max. 29.0m <sup>2</sup>
56	$\sqrt{S}$		5.385	
<b>DISPLACEMENT</b>				
57	Weight of yacht (date when weighed) <u>18.5.89</u>		2020	
58	Displacement D = weight div. by 1025.21ka/m <sup>3</sup>		1.971	min. 1.7m <sup>3</sup> (rule 2)
59	$\sqrt{D}$		1.254	max 2.0m <sup>3</sup>
<b>RATING</b>				
60	Rating calculated according to formula		5.471	
61	3 x tumblehome excess	add	0	(rule 13)
62	<b>FINAL RATING</b>		5.471	

