

# International 5.5 Metre Class Certificate of Rating

Yacht's Name: bede iv Sail Number: 5.5 Z 97  
 Owner: B. Gerwig Owner's Club: ZYC  
 Designer: British Chance, Ltd. Date Completed: 5.3.1988  
 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: fresh  
 Difference in immersion (class rule 5): 0.006 (metres)

Classification Society: Bureau Veritas No. 901012  
 Expiration date of classification certificate: 5.3.1990

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

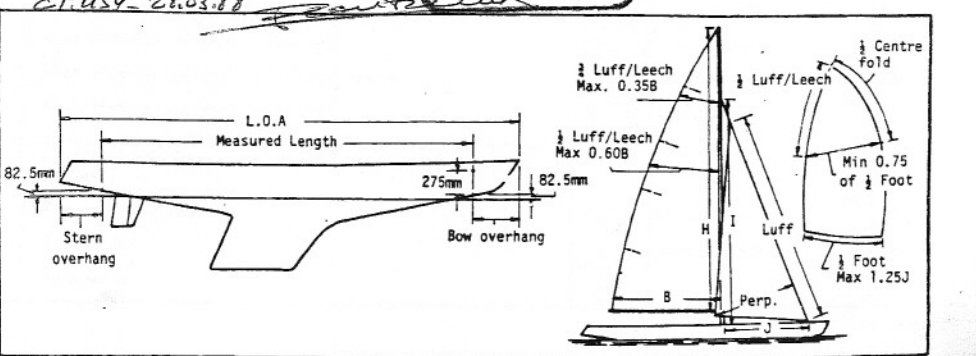
Signature	Date	Item No
.....	.....	.....
.....	.....	.....
.....	.....	.....

Expiration date of rating certificate: 4.3.1990  
 Re-Rated: Re-measured after survey H. Bern



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: USY-Verm. Feb. 1988  
 Signature of designer or builder: O. Weber  
 Signature of owner or representative: CH-8802 Kilchberg/ZH

Certificate authorised by: Im USY-Register eingetragen am Date: .....  
 For: 4. MAI 1988 (enter name of National Authority)



GT. USY-28.03.88

Item No.		Actual	Rule Limits	Rule No.
	<b>HULL</b>			
1	Immersion checked in salt/fresh water	date 1.1.88		5,24
2	Weight of inside ballast placed at <i>between 2nd and 3rd floor aft of mast</i>	2764		27
3	Beam	1.901	min. 1.90m	2,8
4	Max. Draft	1.350	max. 1.35m	2
5	Freeboard at bow girth station	.677		4
6	Freeboard at stern girth station	.600		4
7	Freeboard at midship mark	.640		4
8	Freeboard average	.629	min. 0.62m 628	4
9	Keel and ballast materials	lead	lead or iron	9(iii)
10	Keel height of round at bottom	.056	max. 75mm	9(iv)
11	Maximum section width down to 1m from LWL	.1NT	min. 150mm	9(iv)
12	Stern angle	0.300	min. 1 in 5.5 = .182	11
13	Round of beams	nil	max. 7mm in 305mm	12
14	Tumblehome			13
15	Deduct 2% of max. beam			
16	Excess tumblehome		3 x excess added to rating	13
17	Area of deck openings	2.20m <sup>2</sup>	max. 2.25m <sup>2</sup>	21
18	Cockpit forward of L1 mark	2.200	min. 1.75m	22
19	Breadth of side decks	> 0.216	min. 35cm	21
	<b>SAILS AND RIGGING</b>			
20	Height of sailplan above covering board level	M. 100	max. 11.10m	14
21	Height of boom (black band) above covering board level	.700	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)	2.689	max. 0.50 x $\sqrt{5}$	14
24	Min. Headsail for measurement purposes = 0.5 x l x J x 80%	9.777		14
25	Spinnaker, halliard above forestay	.100	max. 10cm	17
26	Spinnaker halliard out from mast	.005	max. 3cm	17
27	Spinnaker breadth of half the foot	3.361	max. 1.25 x J	17
28	Storm spinnaker, breadth of half the foot	2.689	max. J	17
29	Spinnaker boom length	2.689	max. J	18
30	Mast diameter at 1/4 ht. of fore triangle, round mast	.1077	min. 11.5cm	19
31	Mast diameter at deck, round mast	85/116	min. 10.9cm	19
32	Mast diameter at jib halliards, round mast		min. 9.2cm	19
33	Mast diameter at top, round mast	85/60	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	.107	max. 15.2cm	20
36	Boom width	.070	min. 3.8cm	20

	Actual	Rule Limits	Rule No.
<b>MISCELLANEOUS</b>			
Weight of anchor	12 kg	max. 13kgs min. 11kgs	23
Length of warp (min. diameter 9mm)	30 m	min. 30m	23
Top of I marks above water with yacht in racing trim	✓		5

Item No.		Actual Measures		Rule Limits
<b>LENGTH L FOR RATING</b>				
40	Overall length L.O.A.		9.001	
41	Bow overhang to L <sub>1</sub>	.713		
42	Stern overhang L <sub>1</sub>	.817		
43	Total overhang	add	1.530	
44	Measured length L <sub>1</sub>		subtract 7.471	
45	Girth at bow	.630		
	Twice vertical height at bow (=0.550m)	.550		
47	Bow girth difference	subtract	.165	min. 0.165m (rule 3)
48	Girth at stern	1.565		
49	Twice vertical height at stern	1.036		
50	Stern girth difference	subtract .529		
51	1/3 stern girth difference	div. by 3	.224	min. 0.234m (rule 3)
52	Length L for rating formula		add 7.870	
<b>SAIL AREA FOR RATING</b>				
53	Largest headsail = 0.5 x _____ (luff) x _____ (perp)		9.151	min. see item 24
54	Mainsail = 0.5 x 10.600 (H) x 3.615 (B)		19.378	min 26.5m <sup>2</sup> (rule 2)
55	Total sail area S		add 28.923	max. 29.0m <sup>2</sup>
56	√S		5.378	
<b>DISPLACEMENT</b>				
57	Weight of yacht (date when weighed) 1.5.88		2050	
58	Displacement D = weight div. by 1025.21kg/m <sup>3</sup>		2.000	min. 1.7m <sup>3</sup> (rule 2)
59	√D		1.260	max 2.0m <sup>3</sup>
<b>RATING</b>				
60	Rating calculated according to formula 5.5/0.9 =		6.111	
61	3 x tumblehome excess		add 0	(rule 13)
62	<b>FINAL RATING</b>		6.111	