



INTERNATIONAL
YACHT RACING
UNION

TRUE COPY
26.4.01

ADV REG NO 130772

INTERNATIONAL FIVE POINT FIVE METRE CLASS

MEASUREMENT FORM AND CERTIFICATE OF RATING

Yacht's Name: "STRUTEN" Sail Number: GER-35
 Owner: JENS CORNELSEN Owner's Club: S.V.A-0e
 Designer: JAN H. LINGE Date Completed: DRØBAK 1962
 IYRU Plaque No: N.A.
 Has designer's or builder's declaration been supplied: YES / ~~NO~~ PREVIOUSLY SUBMITTED
 (Delete whichever is applicable)

Condition of water when marks were sighted: SALT (State fresh or salt)
 Difference in immersion (Class Rule 23): 0.0067 (metres)

Classification Society: D.N.V.
 Expiration date of Classification Certificate: ✓

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

Signature	Date	Item No
<u>K.N.S.F.</u>	<u>1964</u>	<u>ALL</u>
.....
.....

Expiration date of Certificate of Rating: UNTIL REVOCATION
 Re-Rated: 1964

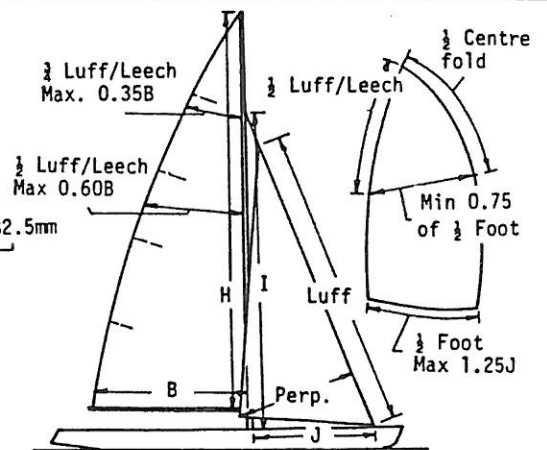
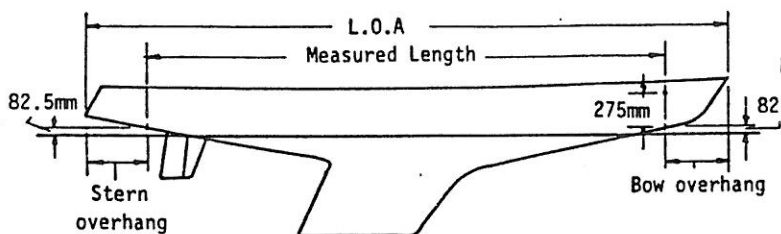
I certify that the measurements entered on this certificate have been properly taken and that to the best of my knowledge and belief the boat complies with the Rules of the International 5.5 Metre Class.

Signature of Measurer: PREVIOUSLY SUPPLIED
 Signature of designer or builder: OTO
 Signature of owner or representative:

Certificate authorised by: GÜNTER O. AHLER Date: 2001
 For: DEUTSCHER SEGLER-VERBAND
 (enter name of National Authority)



	Rule No	Measurement	Min	Actual	Max
1	23(e)	HULL Immersion checked in salt/fresh water (Date)		1962	
2	13	Weight of inside ballast placed at _____		NIL	
3	5	Beam	1.90m	1.912	
4	2	Max. Draft		1.348	1.35m
5	4	Freeboard at bow girth station		0.718	
6	4	Freeboard at stern girth station		0.609	
7	4	Freeboard at midship mark		0.614	
8	4	Freeboard average (Item (5+6+7)+3)	0.628m	1.941	0.64
9	14(iii)	Keel and ballast materials (lead or iron)		LEAD	
10	14(iv)	Keel height of round at bottom	75mm	0.075	
11	14(iv)	Maximum section width down to 1m from LWL	150mm	0.154	
12	8	Stern angle	1 in 5.5		
13	9	Round of beams			7mm in 305mm
14	10	Tumblehome		0.026	
15	10	2% of max. beam		0.038	
16	10	Excess tumblehome (Item 14-15)		-	
17	11	Area of deck openings			2.25m ²
18	12	Cockpit forward of L1 mark	1.75m		
19	11	Breadth of side decks	35cm		



	Rule No	Measurement	Min	Actual	Max
		SAILS AND RIGGING			
20	16	Height of sailplan above covering board level		11.10	11.10m
21	18	Height of boom (black band) above covering board level	0.5m	.600	0.85m
22	17	Height of fore triangle above covering board level (I)		8.880	8.88m
23	16	Base of fore triangle (J) (Deck black band to be checked)		2.692	0.50 x \sqrt{S}
24	16	Min. Headsail for measurement purposes = 0.5 x I x J x 80%		9.562	
25	19	Spinnaker, halliard above forestay			10cm
26	19	Spinnaker halliard out from mast			3cm
27	19	Spinnaker breadth of half the foot		3.365	1.25 x J
28	19	Storm spinnaker, breadth of half the foot			J
29	20	Spinnaker boom length		2.692	J
30	21	Mast diameter at ½ ht. of fore triangle, round mast	11.5cm	115x79	
31	21	Mast diameter at deck, round mast	10.9cm	115x79	
32	21	Mast diameter at jib halliards, round mast	9.2cm	115x79	
33	21	Mast diameter at top, round mast	5.8cm		
		(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
34	21	Tip weight of mast	16kgs		
35	22	Boom depth		135	15.2cm
36	22	Boom width	3.8cm	90	
		MISCELLANEOUS			
37	29	Weight of anchor	11kgs		13kgs
38	29	Length of warp (min. diameter 9mm)	30m		
39	23	Top of I marks above water with yacht in racing trim			

Rule No	Measurement	Min	Actual	Max
	LENGTH L FOR RATING			
40	3 Overall length LOA		10.044	
41	3 Bow Overhang L ₁		1.296	
42	3 Stern Overhang L ₁		1.330	
43	3 Total Overhang (Item 41+42)		2.626	
44	3 Measured Length L ₁ (Item 40-43)		7.418	
45	3 Girth at bow		0.753	
46	3 Twice Vertical height at bow (= 0.55m)			
47	3 Bow girth difference (Item 45-46)	165mm	0.203	
48	3 Girth at stern		1.752	
49	3 Twice vertical height at stern		1.053	
50	3 Stern girth difference (Item 48-49)		0.699	
51	3 1/3 stern girth difference (50 divided by 3)	234mm	0.234	0.233
52	3 Length L for rating formula (Item 44+47+51)		7.855	
	SAIL AREA FOR RATING			
53	17 Largest headsail = 0.5 x <u>7.51</u> (luff) x <u>2.55</u> (perp)	Item 24	9.575	
54	18 Mainsail = 0.5 x <u>10.504</u> (H) x <u>3.704</u> (B)		19.425	
	2 Total sail area S (53+54)	26.5m ²	29.00	29.0m ²
56	\sqrt{S}		5.385	
	DISPLACEMENT			
57	13 Weight of yacht (date when weighed) <u>1964</u>		2050	
58	13 Displacement D = weight ÷ 1025.21kg/m ³	1.7m ³	2.0	2.0m ³
59	13 $\sqrt[3]{D}$		1.259	
	RATING			
60	2 Rating calculated according to formula		15.119 6.108	
61	10 3 x tumblehome excess (add to Item 60 for final rating)		✓	
62	2 FINAL RATING		5.495	