
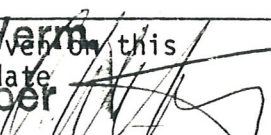
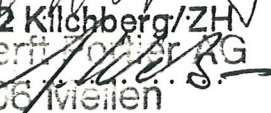



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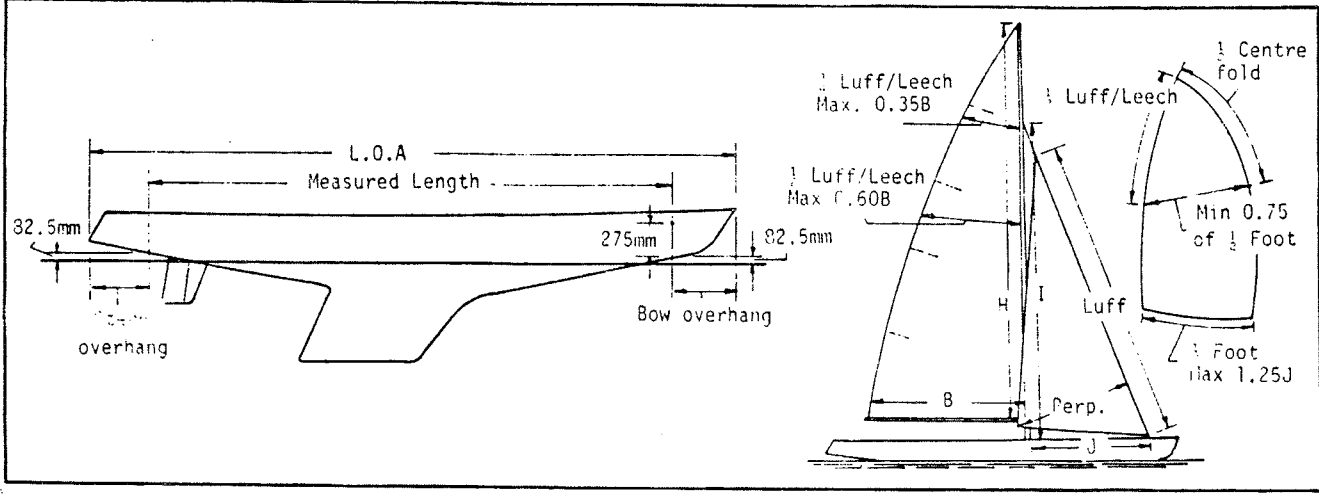
International 5.5 Metre Class Certificate of Rating

Yacht's name <i>Maria Christina</i>	Classification society <i>Bureau Veritas, Paris</i>
Sail number <i>Z 144</i>	Expiration date of classification certificate
Owner <i>H. Gebert</i>	Measurements or partial remeasurements by N.A. Measurer, signature & date
Owner's club <i>Y.C. Rapperswil</i>	<i>25.3.1984</i> 
Designer <i>Britten Chance</i>
Date completed <i>march 1984</i>
Condition of water when marks were sighted State fresh or salt <i>fresh</i>
Difference in immersion (class rule 5) <i>.006</i> (metres)
Has designer's or builder's declaration been supplied	
I declare that the particulars given on this certificate are correct at this date <i>USY-Varna</i> <i>O. Weber</i> 	Expiration date of rating certificate
Signature of measurer .. <i>CH-8802 Kilchberg/ZH</i> <i>Yachtwerft Zoller AG</i> <i>8706 Meilen</i>	<i>24.3.1986</i>
Signature of designer or builder .. 	Re-rated
Signature of owner or representative .. 

Certificate authorised by Date for

(National Authority)
**Im USY-Register
eingetragen am
25. APR. 1984**

	Actual measures		Rule limits
LENGTH L FOR RATING			
Overall length L.O.A.		9.485	
Bow overhang to L ₁	.862		
Stern overhang to L ₁	.986		
Total overhang	add	1.848	
Measured length L ₁		subtract	
Girth at bow	.703		
Twice vertical height at bow (=0.550 m)	.550		
Bow girth difference	subtract	.165 = min	min. 0.165 m (rule 3)
Girth at stern	1.809		
Twice vertical height at stern	1.086		
Stern girth difference	subtract		
1/3 stern girth difference	723		
Length L for rating formula	div. by 3	.241	min. 0.234 m (rule 3)
	add	7.628	
SAIL AREA FOR RATING			
Largest headsail = 0.5 x 2.250 (luff) x 8.250 (perp)		9.562 = min	min. see next page
Mainsail = 0.5 x 10.600 (H) x 3.668 (B)		19.438	min. 26.5 m ² (rule 7)
Total sail area S		add	max. 29.0 m ²
\sqrt{S}		5.385	
DISPLACEMENT			
Weight of yacht (date when weighed 27.3.84)		1762	
Displacement D = weight div. by 1025.21 kg/m ³			min. 1.7 m ³ (rule 7)
$\sqrt[3]{D}$		1.198	max. 2.0 m ³
RATING			
Rating calc'd according to formula		6.110 x 0.9	
3 x tumble home excess		-	(rule 14)
FINAL RATING	add	5.499	



	Actual (x)	Rule Limits	Rule No.
HULL			
Immersion checked in salt/fresh water	date 27.3.84		5;27
Weight of inside ballast placed at <u>none</u>	-	xx)	6;33
Beam	<u>1.900</u>	min. 1.90 m	7;9
Draft	<u>1.348</u>	max. 1.35 m	7
Freeboard at bow girth station	<u>.655</u>		
" at stern girth station	<u>.625</u>		
" at midship mark	<u>.610</u>		
" average	<u>.630</u>	min. 0.63 m	
Keel, ballast material	<u>lead</u>	lead or iron	10
" ht. of round at bottom	<u>wt</u>	max. 75mm	10
" width at max. section 1 metre below L.W.L.	<u>.155</u>	min. 150mm	10
Stern angle	<u>.275</u>	min. 1 in 5.5 = .182	12
Round of beams	<u>Ø</u>	max. 7mm in 305mm	13
Tumble home	<u>Ø</u>		14
2% of max. beam	<u>.038</u>		
Excess tumble home	subtract	3 x excess added to rating	14
Area of deck openings	<u>2.2 m²</u>	max. 2.25 m ²	24
Cockpit forward of L1 mark	<u>2.3 m²</u>	min. 1.75 m	25
Breadth of side decks	<u>.540</u>	min. 35 cm	24
SAILS & RIGGING			
Height of sailplan above covering board level	<u>11.100</u>	max. 11.10 m	16
" " boom (black band) above covering board level	<u>.700</u>	max. 0.85 m	17
" " fore triangle above covering board level (1)	<u>8.880</u>	max. 8.88 m	16
Base of fore triangle (J) (Deck black band to be checked)	<u>0.697</u>	max. 0.50 x S	16
Min. headsail for measurement purposes = 0.5 x l x J x 80%	<u>9.562</u>		15
Spinnaker, halliard above forestay	<u>.100</u>	max. 10 cm	20
" " out from mast	<u>.005</u>	max. 3 cm	20
" breadth of halt the foot	<u>3.365</u>	max. 1.25 x J	20
Storm spinnaker, breadth of halt the foot	<u>2.692</u>	max. J	20
Spinnaker boom length	<u>3.690</u>	max. J	21
Mast diameter at 1/3 ht. of fore triangle, round mast	<u>100 x 144</u>	min. 11.5 cm	22
" " at deck	<u>100 x 144</u>	min. 10.9 cm	22
" " at jib halliards	<u>95 x 134</u>	min. 9.2 cm	22
" " at top	<u>80 x 88</u>	min. 5.8 cm	22
(The athwartships diameter of oval masts may be reduced by 10% of the above, but the sectional areas shall not be less)			
Weight of mast with fixed fittings	<u>42 kg</u>	min. 40 kgs	22
Centre of gravity of mast above covering board level	<u>43%</u>	min. 38% of mast ht.	22
Boom depth	<u>.100</u>	max. 15.2 cm	23
Boom width	<u>.069</u>	min. 3.8 cm	23
MISCELLANEOUS			
Weight of anchor	<u>13</u>	max. 13kgs min. 11kgs	26
Length of warp	<u>30 m</u>	min. 30 m	26
Top of 1 marks above water with yacht in racing trim	<u>1.1</u>		5