

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sec.A. Description of Measured Yacht

1. Yacht's Number 6744
2. Number Molded Or Cut Into Keelson? MOLDED
3. Yacht Name ZWICKER
4. Year Built 1981
5. Builder L. MADER
6. Owner L. BUEDEL
7. Address SUEDENDSTR. 30 - D8034 GERMERING
8. Fleet CHIEMSEE
9. Remarks _____

Sec.B. Declarations

1. To Be Signed By Builder:

I Certify that this yacht has been constructed in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print Name _____
Signed Mader Date 21.3.81

2. To Be Signed By Outfitter: (If Other Than Builder)

I Certify that this yacht is, to the best of my knowledge, fitted out in accordance with the current plans and specifications of the I.S.C.Y.R.A.

Print Name _____
Signed Mader Date 21.3.81

3. To Be Signed By Certified Star Class Measurer:

I Certify that I have measured the following items on 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 I.S.C.Y.R.A. at present in force, unless noted in a letter, attached.

Items 1-8 Hull, Rudder, Skeg, Keel

Print Name _____
Signed: Krieger Date 21.3.81

Item 9 Spars and Yacht Weight (Fleet or Class Officer Accepted)

Print Name _____
Signed: Krieger Date 21.3.81

4. To Be Signed By Owner When Yacht Is Either Sold Or Structurally Altered.

I Certify that no alterations have been made to this yacht since original date of measurement, unless a rider describing measurements is attached.

Signed _____ Date _____

Sold To: _____ Of _____

Return This Certificate For Renewal - See Sec D.3.

OFFICIAL STAR CLASS MEASUREMENT CERTIFICATE

Sec. C.

Instructions To Measurers

1. The duties of a Certified Measurer are confined to measuring yachts and reporting facts. He has no authority to grant or reject certificates or interpret rules. Complete instructions as to how to measure will be sent to him by the International Measuring Committee after his appointment.
2. This Form must be made out by the Certified Measurer IN DUPLICATE. He must answer all questions in Sect. A, and fill in all dimensions, and file both copies with International Measurement Committee. In the case when all dimensions are not available, file one copy with I.M.C. and forward one copy to owner who becomes responsible for obtaining completion of measurements.
3. Declarations must be signed by the builders and/or outfitters as well as the measurers.
4. Certified Measurers are entitled to a reasonable fee for measuring, but the Association is not responsible for its payment, and Certified Measurers are advised to collect their fee before filing this Form.
5. A Certified Measurer cannot measure a yacht in which he owns an interest except under duly appointed and authorized supervision.

Sec. D.

Conditions Under Which Certificate Is Issued

1. This Certificate is not valid unless it bears the inspection stamp of the I.S.C.Y.R.A. and is signed by the Chairman of the International Measurement Committee. It shall be automatically revoked if any structural alterations are made or if not properly endorsed over to a new owner by former owner, or may be revoked at any time by order of the International Measurement Committee or the International Governing Committee of the International Star Class Yacht Racing Association.
2. This Certificate shall be binding upon all members, Star Fleets, Clubs, or organizations conducting races for the Star Class as such. The holder of this Certificate shall not be subject to protest on hull measurements unless an order to remeasure is obtained from the International Race Committee, International Measurement Committee, or International Governing Committee, or unless the protesting party has submitted evidence to show there are reasonable grounds to suspect subsequent alterations or other justifiable causes. See By-Laws, Article VI.
3. This Certificate should be renewed when yacht is altered or sold. For renewal, send this Certificate and \$5.00 to International Measurement Committee, with notation as to any changes in Section A, or Section E.
4. Warning

Spars, position of keel, or anything else that is not an integral part of the hull, can easily be changed and should not be depended upon. These, as reported on original certificate, serve also as a protection to the purchaser of a new boat, but are subject to remeasurement as noted above.

NOTE-This space is reserved for International Measurement Committee use.



The International Measurement Committee, having examined all facts and figures certified to herein, finds that the yacht herein described conforms with the plans and specifications of the Star Class within the limitations of the measuring rules, and therefore, grants this Certificate to the said yacht subject to the conditions above set forth for so long as the owner or owners of the said yacht are members of the International Star Class Yacht Racing Association.

Signed William V. Richards
Chairman International Measurement Committee.

Date 81.04-19

BOOTSWERFT
 LEONHARD MADER GMBH
 8221 Fischen b. Waging a. See



SECTION E

2 HEIGHTS*

STATIONS	1	2	3	4	5	6	7	8	9	10
KEEL	486	358	254	176	125	106	134	201	287	330
CHINE			306			230		301		454
SIDE	826		786			751		713		691
BOT.ARC			O.K.			O.K.		O.K.		O.K.

*MEASURED FROM BASE LINE

3 HALF BREADTHS

STATIONS	1	3	6	8	STERN
DECK	206	615	860	784	498
CHINE	95	406	673	627	406

4 RUDDER FITS TEMPLATE? yes

THICKNESS 25 POST DIA 254

5 SKEG DEPTH 418

" LENGTH 830

" CONTOUR 17

6 KEEL DIMENSIONS

K1	<u>1160</u>	K10	<u>960</u>
K2	<u>1220</u>	K11	<u>✓</u>
K3	<u>35</u>	K12	<u>✓</u>
K4	<u>1360</u>	K13	<u>✓</u>
K5	<u>25</u>	K14	<u>303</u>
K6	<u>780</u>		
K7	<u>217</u>		
K8	<u>310</u>		
K9	<u>820</u>		

7 WEIGHTS*

KEEL (WITH FINISH) 392/398

HULL (AS MOLDED) 192/195

8 BUOYANCY

CONTAINED IN HULL 0.36

ADDITIONAL 0.58

☒ TANKS

☒ COMPARTMENTS

☒ CLOSED CELL FOAM

1 HULL MEASUREMENTS

YACHT NO. 6744

WOOD OR G.R.P. GRP

L.O.A. 6925

DIMENSION "A" 2357

" "B" 1152

" "C" 1300

" "E" 2136

" "P" 306

" "R" 1974

" "S" 5

" "T" 170

CHINE RADIUS OK? ✓

STEM RADIUS OK? ✓

SIDE FLATNESS OK? ✓

9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND 9652

Pt B TO JIB STAY 6890

BOOM LNG 4445

MAST TIP WT. 7.1

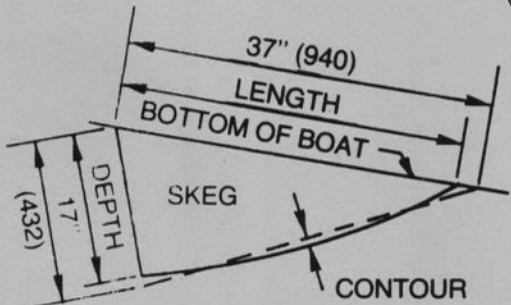
DIMENSION "O" 270

YACHT WEIGHT 664

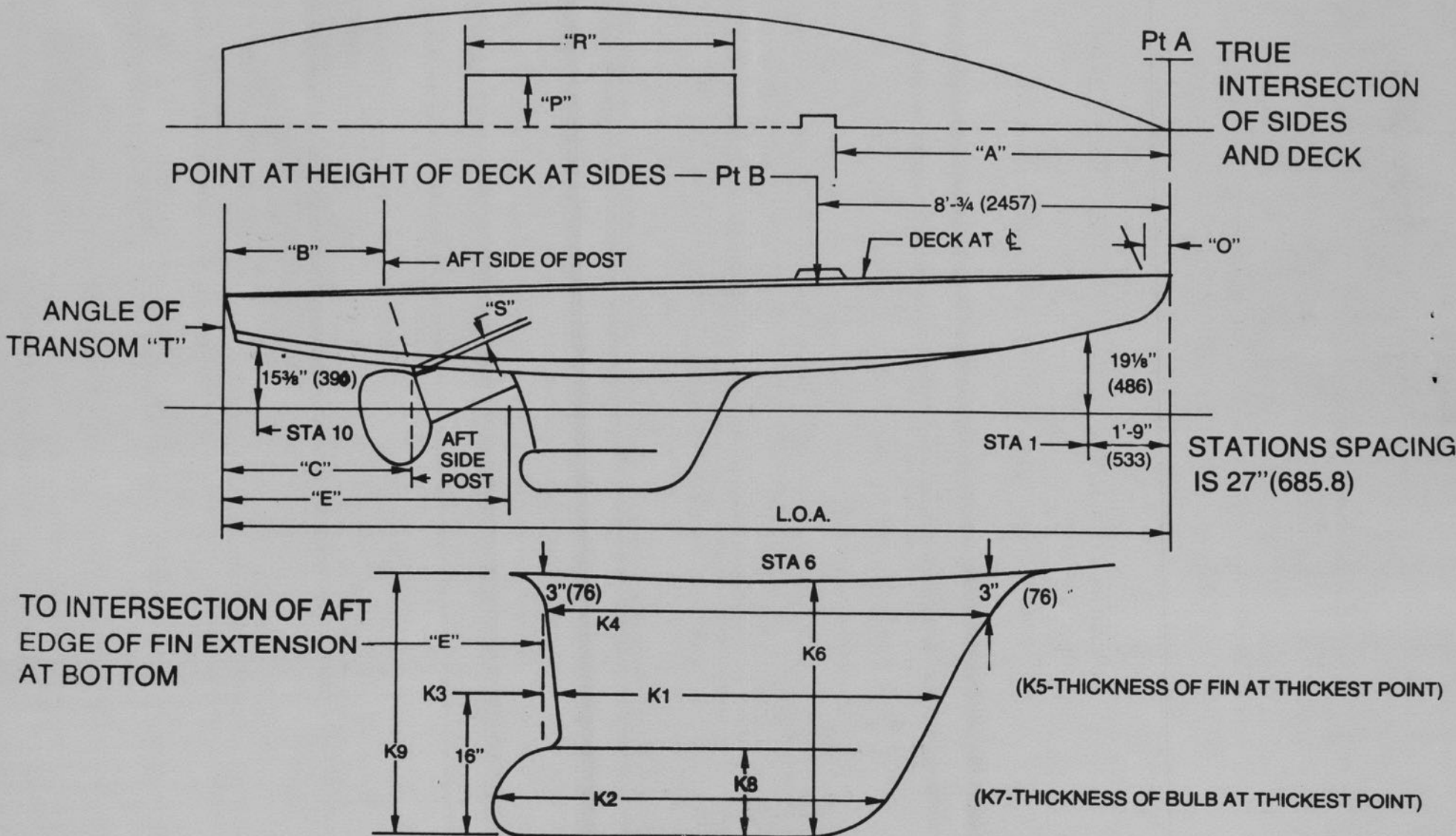
ADDED WEIGHT 8

TOTAL WEIGHT 672

COPY



*IS ISCYRA WEIGHT CERTIFICATE ATTACHED? yes



International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

A	Builder's Hull No. <u>Q 1509</u>
	Yacht No. <u>6744</u>
B	Hull Less Skeg <u>192</u>
	Hull with Skeg <u>195</u>
C	Keel Less Finish <u>392</u>
	Keel with Finish <u>398</u>

I certify that the hull and keel weights shown were measured on a balance scale, or spring scale, or an electric load cell, (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder must fill in at least one item in each of A, B, and C, and sign

Date 21. 3. 81 Signed Mader

D	Yacht Weight with Rig <u>668</u>
	Added Weight ⁴ <u>2 at 2 holes under deck</u> (Describe type and location)

I certify that the yacht weight shown is measured on a balance scale, or spring scale, or an electric load cell (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder, Outfitter or Owner must sign

Date 21. 3. 81 Signed Mader

BOOTSWERFT
LEONHARD MADER

BOUWING BEL WAGING AM STT

Dr. Dirk Plump

2800 Bremen - Germany
Scharnhorststr. 188 B

I.S.C.Y.R.A.
International Star Class
Yacht Racing Association

1545 Waukegan Road

Glenview IL 60025
U.S.A.

I. S. C. Y. R. A.

MAY 14 1984

CENTRAL OFFICE

May 11, 1984

Gentlemen

Re.: Measurement Certificate 6744

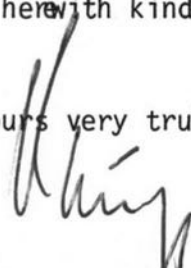
I have received your copy of the Measurement Certificate. This copy does not show the correct weight of the yacht and the additional weight. From the enclosed copy you will see that the weight had been altered on May 13, 1982 by the DSV - Surveyer Krieger as follows:

yacht weight	668
additional weight	4

total weight	672
	====

I herewith kindly ask you to alter your copy accordingly.

Yours very truly,



Encl.

Measurement Certificate
Copy of alteration

I.S.C.Y.R.A. Buoyancy Test Certificate

6744

Reference: Specifications, Article VII

THIS CERTIFICATE IS VALID FOR THIS YACHT AND THIS OWNER ONLY

THIS CERTIFICATE IS NOT TRANSFERABLE TO ANOTHER OWNER

EVERY YACHT OWNER MUST TEST HIS OWN YACHT

INSTRUCTIONS:

1. Each Star Class Yacht must pass the prescribed buoyancy test which must be conducted by the owner and shall be witnessed by a Fleet or Class Officer or Certified Star Measurer.
2. Yacht with crew, rig and all normal racing equipment, except sails, shall be swamped on a hoist. Boat shall remain afloat, with slack hoist and slack mooring lines, for 10 minutes. (See the LOG for suggested guidelines for conducting the test.)
3. Complete Certification in duplicate. **Witness sends one copy to I.S.C.Y.R.A.**, 1545 Waukegan Road, Glenview, IL 60025 U.S.A.; owner shall retain other copy.
4. Describe additional flotation equipment, other than hull structure. (Mention type, size, location, etc.)

Bulbheads

COPY

6744

5. I conducted a test for this yacht in accordance with the above instructions.

REC'D MAY 4 1989

Andreas Hacku

Owner's Name

Andreas Hacku

Owner or Representative's Signature

22.4.89

Date

I attended the above test and acknowledge that the yacht named floated for 10 minutes following the instructions above. I further certify that the yacht at the time of the test contained only the additional flotation equipment described in Paragraph 4 above.

Glunke, Cpt

Witness's Name and Title

Glunke, Fl.

Glunke

Witness' Signature

22.4.89

Date

ONE COPY OF THIS FORM MUST BE ON FILE IN THE CENTRAL OFFICE TO BE VALID

SECTION E

2 HEIGHTS*

STATIONS	1	2	3	4	5	6	7	8	9	10
KEEL	486	358	254	176	125	106	134	201	287	390
CHINE	X	X	306	X	X	230	X	301	X	454
SIDE	826	X	786	X	X	751	X	713	X	651
BOT.ARC	X	X	O.K.	X	X	O.K.	X	O.K.	X	O.K.

* MEASURED FROM BASE LINE

3 HALF BREADTHS

STATIONS	1	3	6	8	STERN
DECK	206	615	860	784	498
CHINE	95	406	673	627	406

7 WEIGHTS*

KEEL (WITH FINISH) _____

392/398

HULL (AS MOLDED) _____

4 RUDDER FITS TEMPLATE? yesTHICKNESS 25 POST DIA 25.45 SKEG DEPTH 418" LENGTH 830" CONTOUR 17

8 BUOYANCY

CONTAINED IN HULL 0.36ADDITIONAL 0.58☐ TANKS☐ COMPARTMENTS☒ CLOSED CELL FOAM

6 KEEL DIMENSIONS

K1	<u>1160</u>	K10	<u>960</u>
K2	<u>1220</u>	K11	<u>✓</u>
K3	<u>35</u>	K12	<u>✓</u>
K4	<u>1360</u>	K13	<u>✓</u>
K5	<u>25</u>	K14	<u>303</u>
K6	<u>780</u>		
K7	<u>217</u>		
K8	<u>310</u>		
K9	<u>820</u>		

I.S.C.★Y.R.A.

(Metric Measurements Preferred)

1 HULL MEASUREMENTS

YACHT NO. 6744WOOD OR G.R.P. GRPL.O.A. 6525DIMENSION "A" 2357" "B" 1192" "C" 1300" "E" 2136" "P" 306" "R" 1974" "S" 5" "T" 170CHINE RADIUS OK? ✓STEM RADIUS OK? ✓SIDE FLATNESS OK? ✓

9 SPARS & YACHT WEIGHT

Pt B TO UPPER MAST BAND _____

9652

Pt B TO JIB STAY _____

6890

BOOM LNG _____

4445

MAST TIP WT. _____

7.1

DIMENSION "O" _____

270

YACHT WEIGHT _____

664 668

ADDED WEIGHT _____

8 4

TOTAL WEIGHT _____

672Kriger
13.5.82

International Star Class Yacht Racing Association

WEIGHT CERTIFICATE
(Metric Measurements Preferred)

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B	Hull Less Skeg <u>192</u>
	Hull with Skeg <u>195</u>
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	Keel with Finish <u>398</u>

I certify that the hull and keel weights shown were measured on a balance scale, or spring scale, or an electric load cell, (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%.

Builder must fill in at least one item in each of A, B, and C, and sign

Date 21.3.81 Signed Mader

D	Yacht Weight with Rig <u>664</u>
	Added Weight <u>200 lbs under deck</u> (Describe type and location)

I certify that the yacht weight shown is measured on a balance scale, or spring scale, or an electric load cell (underline one) which has been calibrated within the last year to $\frac{1}{2}$ of 1%. Builder, Outfitter or Owner must sign

Date 21.3.81 Signed Mader

BOOTSWERFT
LEONHARD MADER
8221 FISCHING BEI WAGING AM SEE