

INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

This form is the certificate required as per the International Sailing Federation Rule 78

General Calculation Form

Boat information:

Manufacturer's Name: Bimare Designer: Petrucci
 (Company)
 Date Manufactured: March 2002 Yacht Name: _____

Sail Number DEN 3

First owners name and address:

First Name: Heine Last name: Foss
 Address: Overgade 5 State: Denmark
 City / Zip Code: 5463 Harndrup Yacht Club: MS

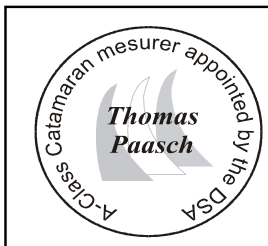
Calculation for five different mast and sail combinations

Combination		<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>
Mast Serial N°		H178				
Boom Serial N°						
Mast Area	MA [m2]	1,5187				
Boom Area	BA [m2]	0				
Sail Area	SA [m2]	12,2818				
Total Area (max.13.94 m2)	RA [m2]	13,8005				
Black Band Distance	BD [m]	8,8815				
Distance from Base	L2 [m]	0,1585				
Total Weight	[kg]	79,5				
Correcting Weight	[kg]	-4,5				
Date						
Measurer's Initial						

Calculation for: BD = $A + 2 \times ((13.94 - RA) / P)$ A, P Page 3

L2 = $L - L1 - BD$ L, L1 Page 4

Note: If $L2 < 0$, then Black Band must be placed at base.



Measurer's Stamp

Date of Measurement: 30-04-2006
 Measurer's Name: Thomas Paasch
 Appointed by: Danish Sailing Association

Measurer's Signature: _____

Thomas Paasch

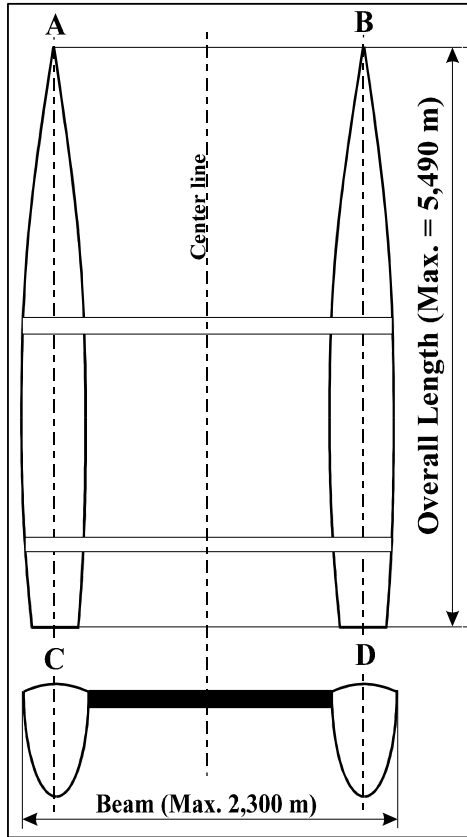


Issuing Authority (Stamp)

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Hull Measurement Form



Measurement	
Overall Length max. 5,490 m	
Measured [m]	5,480
Overall Beam max. 2,300 m	
Measured [m]	2,290
Identification	
Hull N°	
I.Y.R.U. Plaquet	
Color	White
Builder	Bimare
Material	Glassfiber

Buoyancy
to be certified by boats builder
Date of Certificate: _____
For boats built from 1st Januray 1998 on
Complete boat's weighth plus min.
75 kg positive buoyancy,
distributed equally on each hull.

Measurers Declaration:

I declare that I have measured this boat and that it complies with all the class rules.

Comment:

Measurer's Stamp

Date of Measurement: 21-07-2002
Measurer's Name: Piet Saarberg
Appointed by: K.N.W.V

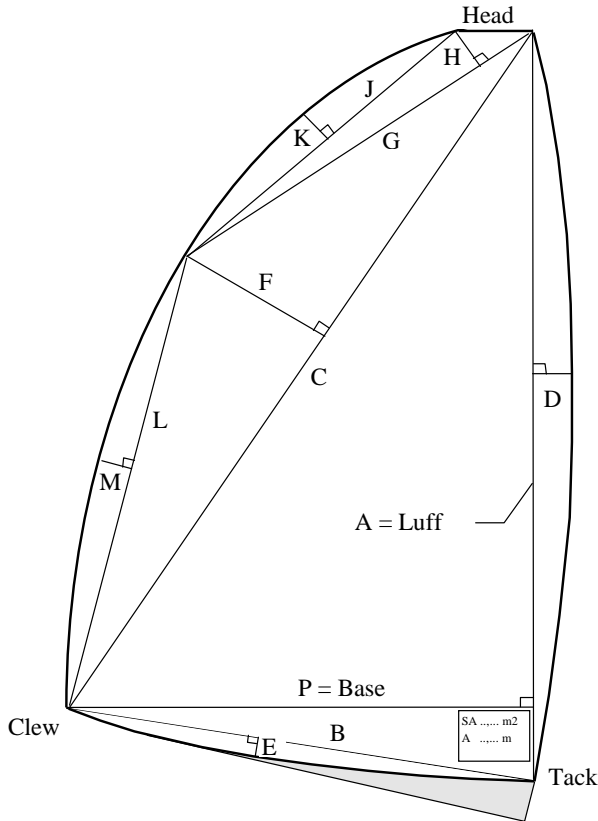
Measurer's Signature: _____

Issuing Authority (Stamp)

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Sail Measurement Form



Current Sail Number			
DEN 3	1st	3rd	
	2nd	4st	
Sail	Measure	Calc	
Luff = A	8,735	[m]	
D	0,085	[m]	
C	8,580	[m]	
F	0,595	[m]	
G	2,090	[m]	
H	0,415	[m]	
J	1,865	[m]	
K	0,050	[m]	
L	6,605	[m]	
M	0,095	[m]	
Base = P	1,905	[m]	
B	1,940	[m]	
E	0,000	[m]	
Main Triangle	8,3201	1/2 (A x P)	
Luff Round	0,4950	2/3 (A x D)	
Foot Round	0,0000	2/3 (B x E)	
Roach Area 1	2,5526	1/2 (C x F)	
Roach Area 2	0,4337	1/2 (H x G)	
Roach Area 3	0,0622	2/3 (J x K)	
Roach Area 4	0,4183	2/3 (L x M)	
Sail Area = SA	12,282	[m²]	

Definition: Sail Area SA

It is the total area of the sail excluding the overlapping part of the mast guide. The measurement is based on ISAF measurement and calculation of sail area rule 3 and shall be measured with battens in the pockets. For identification the SA, Luff and Base has to be marked on the sail (starboard side).

Note: Always to be filled in with three digits after decimal point

If the sail complies with all the requirements the measurer shall sign and date the sail near the tack (starbord).

Sailmakers Name: **Landenberger**

Sail Button No: **67549**

Measurers Declaration: I declare that I have measured this sail and that it complies with all the class rules.



Measurer's Stamp

Date of Measurement: 21-07-2002

Measurer's Name: Piet Saarberg

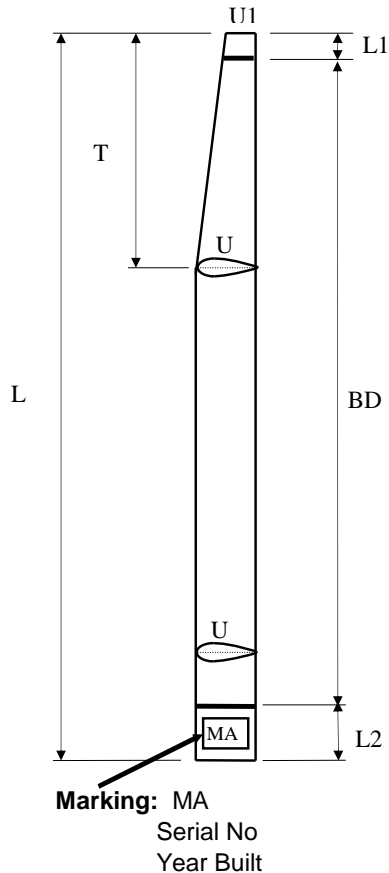
Appointed by: K.N.W.V

Measurer's Signature: _____

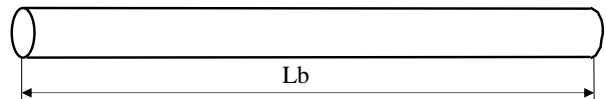
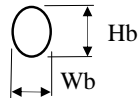
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Mast & Boom Measurement Form



Mast Measurement			
L [m]	9,04	U [m]	0,336
L1 [m]	0	U1 [m]	0
T [m]	0	MA [m ²]	1,5187
Mast Identification			
Serial N°			
Builder	Pesa		
Material	Carbon		
Boom Measurement			
Length	Lb [m]	0	
Major Axis Vertical	Hb [m]	0	
Major Axis Horizontal	Wb [m]	0	
Mean Grith	MG [m]	0	
Boom Area	BA [m ²]	0	
Boom Identification			
Serial N°			
Builder			



Defintion:

Mast Area MA

It is the half of the surface area of the mast excluding top and bottom surface.

Boom Area BA

It is only required if the profile height is more then 1.5 of the width

Calculation of MA:

$$MA = U \times (L-T)/2 + T \times (U + U1)/4$$

Calculation of BA:

$$BA = 1/2 \times MG \times Lb$$

Measurer's Declaration:

I declare that I have measured this Mast and Boom and that it complies with all the class rules.



Measurer's Stamp

Date of Measurement: 21-07-2002

Measurer's Name: Piet Saarberg

Appointed by: K.N.W.V

Measurer's Signature: _____