

# 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: Feb 2006 Yacht Name: \_\_\_\_\_

**Sail Number DEN 6**

### First owners name and address:

First Name: Christopher Last name: Skak Nielsen  
 Address: Bernhard Bangs Alle 15B, 4tv State: Denmark  
 City / Zip Code: 2000 Frederiksberg Yacht Club: SKS

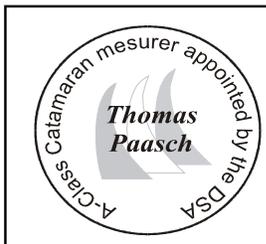
### Calculation for five different mast and sail combinations

Combination		<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>
Mast Serial N°						
Boom Serial N°						
Mast Area	MA [m2]	1,5092	1,5092			
Boom Area	BA [m2]	0,0000	0,0000			
Sail Area	SA [m2]	12,1280	12,3177			
Total Area (max.13.94 m2)	RA [m2]	13,6372	13,8269			
Black Band Distance	BD [m]	8,9127	8,7583			
Distance from Base	L2 [m]	0,0433	0,1977			
Total Weight	[kg]	75,5	75,5			
Correcting Weight	[kg]	-0,5	-0,5			
Date		01-04-2006	18-02-2007			
Measurer's Initial		TP	TP			

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: 12-05-2007  
 Measurer's Name: Thomas Paasch  
 Appointed by: Danish Sailing Association

Measurer's Signature: \_\_\_\_\_

*Thomas Paasch*

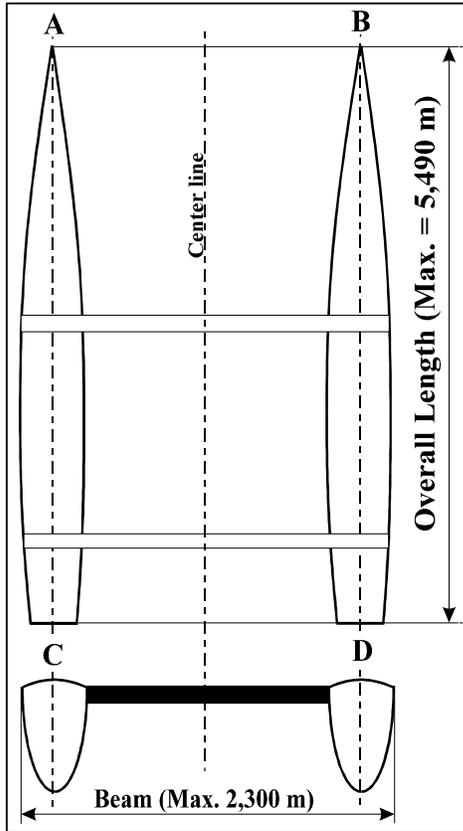


Issuing Authority (Stamp)

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

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

## Hull Measurement Form



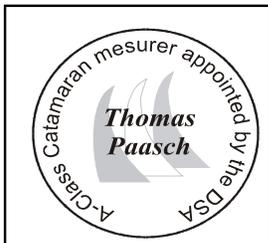
Measurement	
Overall Length max. 5.490 m	
Measured [m]	5,480
Overall Beam max. 2.300 m	
Measured [m]	2,290
Identification	
Hull N°	IT-BME A0166.L 5 06
I.Y.R.U. Plaquet	
Color	White
Builder	Bimare
Material	Carbon

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:** 01-04-2007  
**Measurer's Name:** Thomas Paasch  
**Appointed by:** Danish Sailing Association

**Measurer's Signature:** *Thomas Paasch*

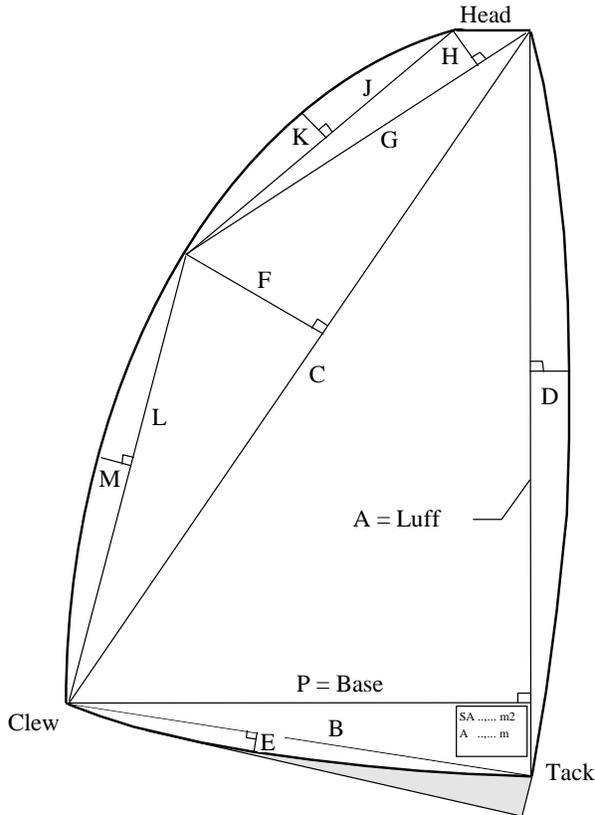


Issuing Authority (Stamp)

# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

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

## Sail Measurement Form



Current Sail Number			
DEN 6	1st	3rd	
	2nd	4st	
Sail	Measure	Calc	
Luff = A	8,605	[m]	
D	0,053	[m]	
C	8,480	[m]	
F	0,657	[m]	
G	1,255	[m]	
H	0,400	[m]	
J	0,930	[m]	
K	0,037	[m]	
L	7,440	[m]	
M	0,054	[m]	
Base = P	1,968	[m]	
B	2,000	[m]	
E	0,021	[m]	
Main Triangle	8,4672	1/2 (A x P)	
Luff Round	0,3040	2/3 (A x D)	
Foot Round	0,0280	2/3 (B x E)	
Roach Area 1	2,7870	1/2 (C x F)	
Roach Area 2	0,2510	1/2 (H x G)	
Roach Area 3	0,0229	2/3 (J x K)	
Roach Area 4	0,2678	2/3 (L x M)	
<b>Sail Area = SA</b>	<b>12,128</b>	<b>[m2]</b>	

### 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).

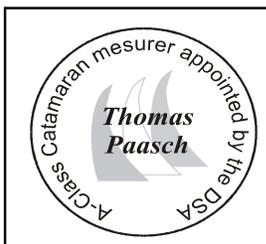
Note: Always to be filled in with three digits after decimal point

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

Sailmakers Name: **Bimsail**

Sail Button No: **67551**

**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:** 01-04-2006

**Measurer's Name:** Thomas Paasch

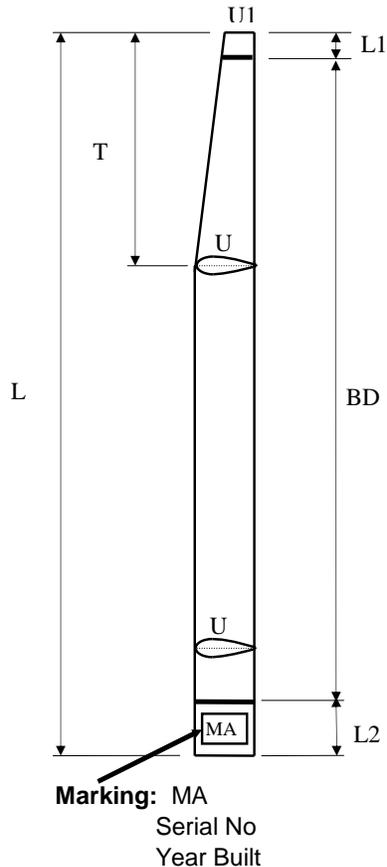
**Appointed by:** Danish Sailing Association

**Measurer's Signature:** *Thomas Paasch*

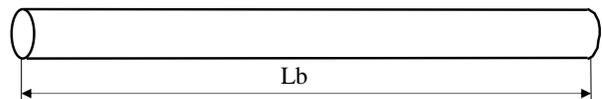
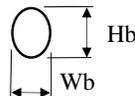
# INTERNATIONAL A -CATAMARAN MEASUREMENT CERTIFICATE

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

## Mast & Boom Measurement Form



Mast Measurement			
L [m]	9,01	U [m]	0,335
L1 [m]	0,054	U1 [m]	0
T [m]	0	MA [m <sup>2</sup> ]	1,5092
Mast Identification			
Serial N°			
Builder	Bimast		
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 <sup>2</sup> ]	0	
Boom Identification			
Serial N°			
Builder	Bimast		



### 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:

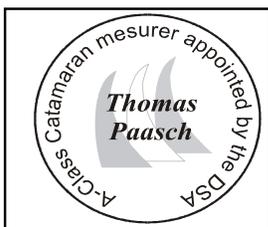
$$MA = U \times (L-T)/2 + T \times (U + U1)/4$$

### 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: 21-04-2008  
 Measurer's Name: Thomas Paasch  
 Appointed by: Danish Sailing Association  
 Measurer's Signature: *Thomas Paasch*