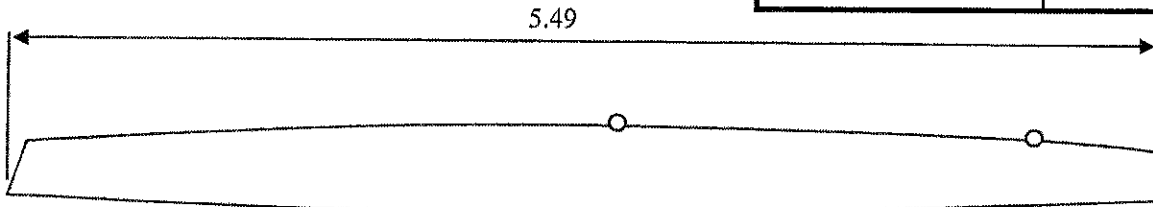


FRA410 1-3

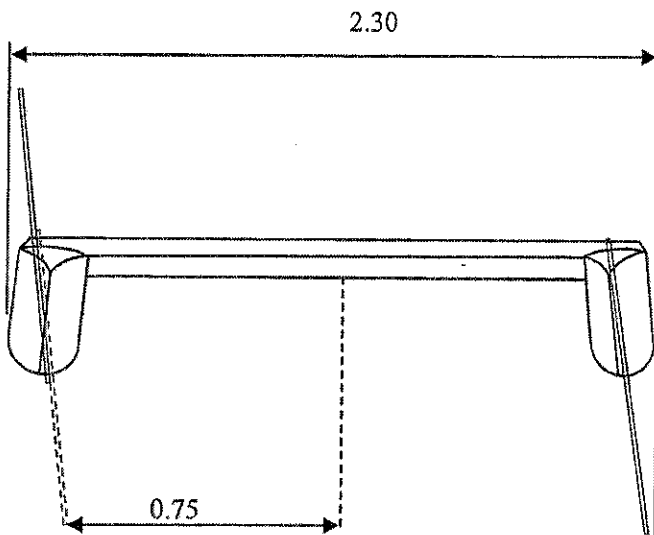
International A-Catamaran Measurement Certificate

Hull Measurement Form

Overall Length	
Max	5,49
Actual	5,485



Overall Beam including all appendages	
Max	2,3
Actual	2,295



Minimum distance to centerline of all appendages in any position	
Min	0,75
Actual	0,757

Hull Identification		Comments
Hull No.	FRA410	S-shaped drift internal distance 1,515 m, Rudders with foils external distance 2,3m internal distance 1,654m WEIGHT 77 Kg DNA FIBERFOAM BREWIN.
ISAF Plaque No.	453	
Builder	DNA 2014	
Material	CARBON	

All measurements are in meters and to three decimal places.

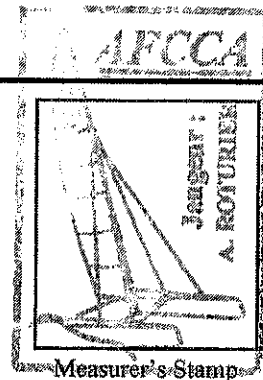
Measurers Declaration: I declare that I have measured hull and appendages and they comply with all class rules.

Date of Measurement: 2015-05-14

Measurer's Name: ROTURIER ALBERT

Appointed by: AFFCA - FFV

Measurer's Signature: _____



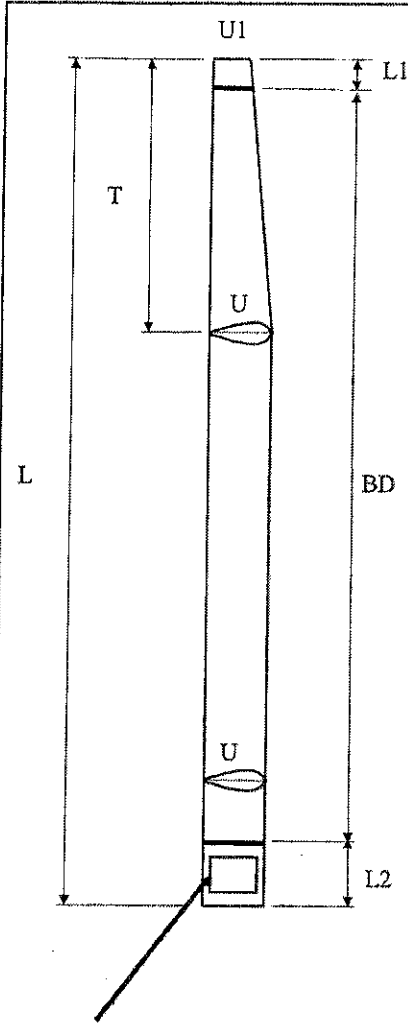
* Refer current measurers guidelines when completing form.

1st May 2014

FRA 410 2-3

International A-Catamaran Measurement Certificate

Mast & Boom Measurement Form



Mast Measurement

(Is half of the surface area of the mast excluding top and bottom surface)

L [m]	9,035	U [m]	0,335
L1 [m]		U1 [m]	
T [m]		MA [m ²]	1,5134
Serial N°	AR1402		
Builder	FIBERFOAM		
Material	CARBON		

Calculation of MA:

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

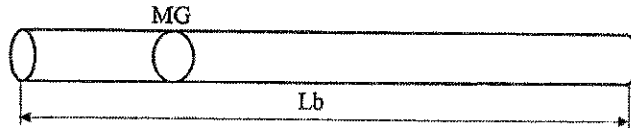
Boom Measurement

(Only required if the profile height is more that 1.5 of the width)

Length	Lb [m]	0
Mean Grith	MG [m]	0
Boom Area	BA [m ²]	

Calculation of BA:

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



Measurer to mark the following on bottom starboard side of mast.

MA = ***

SN = ***

Date ***

Signature ***

All measurements are in meters and to three decimal places.

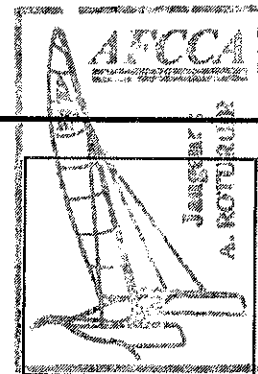
Measurers Declaration: I declare that I have measured this mast & boom and they comply with all the class rules.

Date of Measurement: 09/05/2014

Measurer's Name: ROTURIER ALBERT

Appointed by: AFCCA-FFV

Measurer's Signature:



Measurer's Stamp

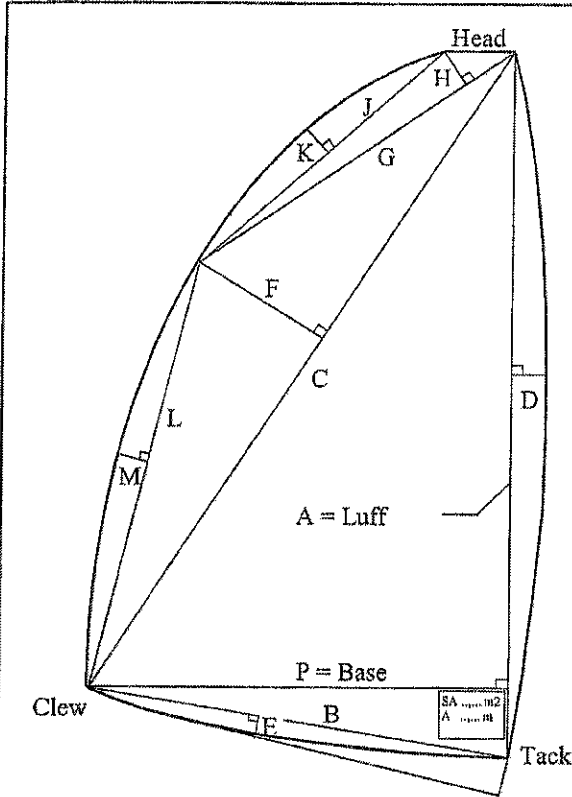
* Refer current measurers guidelines when completing form.

1st May 2014

FRA410 3-3 1

International A-Catamaran Measurement Certificate

Sail Measurement / Rig Area / Black Band Distance



Sail Number	FRA410		
Sail	Measure		Measure
Luff = A	8,722	H	0,824
D	0,13	J	3,022
C	8,2	K	0
F	0,587	L	5,048
G	3,242	M	0,034
Base = P	1,778	B	1,918
E	0		
Main Triangle	1/2 (A x P)	7,7539	
Luff Round	2/3 (A x D)	0,7559	
Foot Round	2/3 (B x E)		
Roach Area 1	1/2 (C x F)	2,4067	
Roach Area 2	1/2 (H x G)	1,3357	
Roach Area 3	2/3 (J x K)		
Roach Area 4	2/3 (L x M)	0,1144	
Sail Area	SA	12,367	[m2]

All measurements are in meters and to three decimal places.

Note: Offsets D, E, F, H, K & M to be maximum distance that can be taken
Should maximum distance F go to Aft Head Point K, J & H to be noted as 0.000

Measurer to mark the following on the starboard tack of sail.

- SA = ***
- A = ***
- P = ***
- Date ***
- Signature ***

Total Rig Area of Mast & Sail cannot exceed 13.94 sqm

Sail Button/ Serial No: AR86 **Sailmakers Name:** BREWIN

Black Band Distance BD
 $BD = A + 2 \times ((13.94 - RA) / P)$

Mast No. SN	Mast Area MA	Boom Area BA	Rig Area RA	Black Band BD	Date & Initials
AR1402	1,5134	0	13,8800	8,7895	2013/05/08 AR

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

Date of Measurement: 2013.05.08

Measurer's Name: A ROTURIER

Appointed by: AFCCA

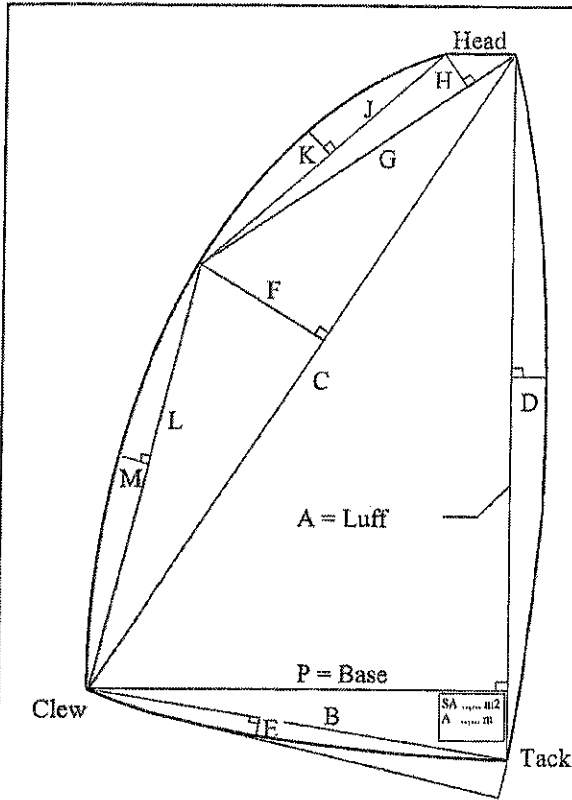
Measurer's Signature: _____

* Refer current measurers guidelines when completing form.

1st May 2014

International A-Catamaran Measurement Certificate

Sail Measurement / Rig Area / Black Band Distance



Sail Number	FRA410		
Sail	Measure		Measure
Luff = A	8,72	H	0
D	0,138	J	0
C	8,205	K	0
F	0,87	L	8,065
G	0,885	M	0,048
Base = P	1,76	B	1,91
E	-0,008		
Main Triangle	1/2 (A x P)	7,6736	
Luff Round	2/3 (A x D)	0,8022	
Foot Round	2/3 (B x E)	-0,0102	
Roach Area 1	1/2 (C x F)	3,5692	
Roach Area 2	1/2 (H x G)		
Roach Area 3	2/3 (J x K)		
Roach Area 4	2/3 (L x M)	0,2581	
Sail Area	SA	12,293	[m²]

All measurements are in meters and to three decimal places.

Note: Offsets D, E, F, H, K & M to be maximum distance that can be taken
Should maximum distance F go to Aft Head Point K, J & H to be noted as 0.000

Measurer to mark the following on the starboard tack of sail.

- SA = ***
- A = ***
- P = ***
- Date ***
- Signature ***

Total Rig Area of Mast & Sail cannot exceed 13.94 sqm

Sail Button/ Serial No: AR1402

Sailmakers Name: BREWIN

Black Band Distance BD

$$BD = A + 2 \times ((13.94 - RA) / P)$$

Mast No. SN	Mast Area MA	Boom Area BA	Rig Area RA	Black Band BD	Date & Initials
AR1402	1,5134	0	13,8063	8,8719	2014/05/09 AR

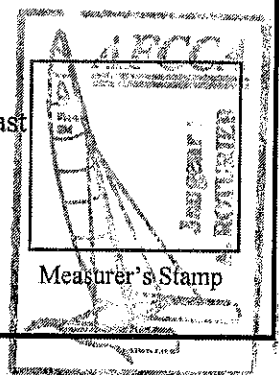
Measurers Declaration: I declare that I have measured this sail and it complies with all class rules.

Date of Measurement: 2014/05/09

Measurer's Name: Andrew WILLIAM for sail A ROTURIER for mast

Appointed by: AIACA - AFCCA

Measurer's Signature: _____

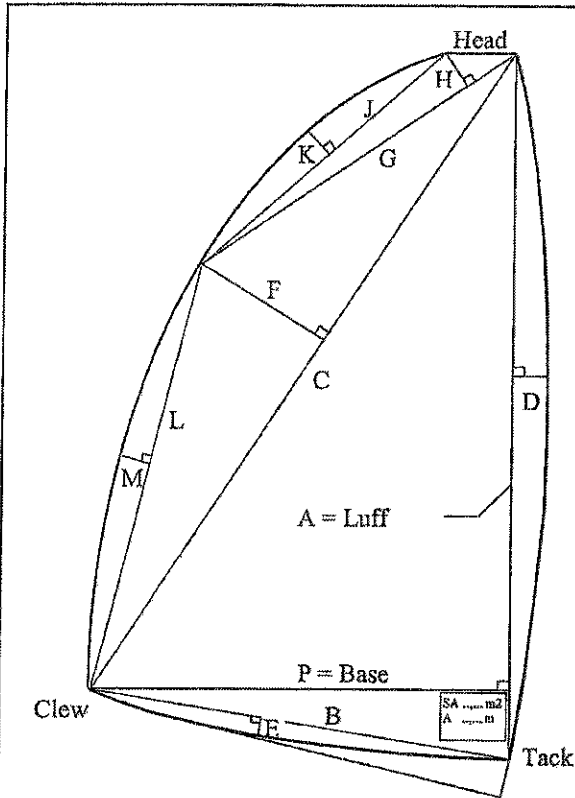


* Refer current measurers guidelines when completing form.

Handwritten signature 1st May 2014

International A-Catamaran Measurement Certificate

Sail Measurement / Rig Area / Black Band Distance



Sail Number	FRA410		
Sail	Measure		Measure
Luff = A	8,72	H	0
D	0,145	J	
C	8,21	K	0
F	0,868	L	8,097
G	0,886	M	0,055
Base = P	1,746	B	1,875
E	-0,005		
Main Triangle	1/2 (A x P)	7,6126	
Luff Round	2/3 (A x D)	0,8429	
Foot Round	2/3 (B x E)	-0,0063	
Roach Area 1	1/2 (C x F)	3,5631	
Roach Area 2	1/2 (H x G)		
Roach Area 3	2/3 (J x K)		
Roach Area 4	2/3 (L x M)	0,2969	
Sail Area	SA	12,309	[m2]

All measurements are in meters and to three decimal places.

Note: Offsets D, E, F, H, K & M to be maximum distance that can be taken
Should maximum distance F go to Aft Head Point K, J & H to be noted as 0.000

Measurer to mark the following on the starboard tack of sail.

SA = ***

A = ***

P = ***

Date ***

Signature ***

Total Rig Area of Mast & Sail cannot exceed 13.94 sqm

Sail Button/ Serial No: 521

Sailmakers Name: BREWIN

Black Band Distance BD

$$BD = A + 2 \times ((13.94 - RA) / P)$$

Mast No. SN	Mast Area MA	Boom Area BA	Rig Area RA	Black Band BD	Date & Initials
AR1402	1,5134	0	13,8227	8,8544	20/09/2014 SN

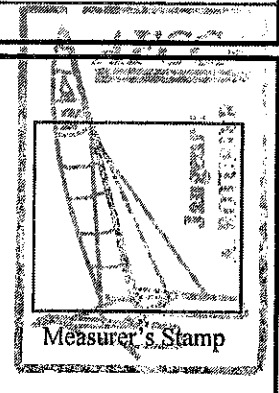
Measurers Declaration: I declare that I have measured this sail and it complies with all class rules.

Date of Measurement: 2015-05-14

Measurer's Name: Simon NELSON for sail A ROTURIER for mast

Appointed by: AIADCA - AFCCA

Measurer's Signature: _____



* Refer current measurers guidelines when completing form.