INTERNATIONAL FORMULA 18 CLASS
MEASUREMENT FORM
MEASUREMENT CERTIFICATE
I F18CA-2019 (version PCB2019/06)

IDENTIFICATION

Boat Certificate n°	**FRA 2010-057-M006**	*National letters & Sail N° :*	FRA 205	*WS N° :*	0
Hulls N° / N° coques :	FR BCM R0002 I0 10	*Hulls N° / N° coques :*			
Brand of boat :	BCM			*Date manufactured :*	2010

OWNER

owner / propriétaire :	GOUIN Andréas - TABOUREAU Annabelle		
Address / adresse :			
Zip code / CP :		City / ville :	
Country / Pays		*E-mail*	

MEASURES & DESCRIPTION OF THE PLATEFORM

C.6.1.(b) (1) Weight boat ready to sail :		189,000 kg	180 kg minimum
C.6.2.(a) Corrector weight			7 kg maximum
D.6.2.(a) Hull lenght / Longueur coque		5,52 m	5,52 m maximum
D.6.2.(b) Boat beam / Largeur plateforme		2,60 m	2,60 m maximum
C.7.1.(b) Inspection hatches / trappes	Minimum 1 per hull		
D.3.1.(a) Material	OK		
D.5.1.(a) Trampoline material	Mesh		Netting is not permited

B.1.1.(c) have valid certification mark is required : hull — *Port side hull* ☑ *starboard side* ☑

DAGGERBOARDS & RUDDERS

	Port side	*starboard side*	
C.8.2.(a)(1) Daggerboards serial n° :			
E.3.4.(a) Daggerboards weight	4,850 kg	4,650 kg	5,5 kg maximum
E.3.3.(c) Daggerboards extension below the hull			1,40m maximum
B1.1.(c) Daggerboard certification mark F18	☑	☑	
C.8.2. Rudders serial n° :			
E.4.6.(a). Rudders weight	3,200 kg	3,350 kg	Minimum 3 kg
B1.1.(c) Rudder certification mark F18	☑	☑	

RESERVED NATIONAL CLASS ASSOCIATION

Initial boat certification ☐ *Certification control carried by* Alain Bujeaud *Date* 23/09/2021

Boat re-certification n° 6 *For main sail :* ☑ *jib* ☑ *Spinnaker* ☑ *Platform* ☐ *Other* ☑

Certification Authority

Complementary comments of the measurer

EQUIPEMENTS

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C.5 PORTABLE EQUIPMENT

C.5.1(a)1 One righting line	OK	Minimum 4m. long
	OK	Minimum Ø 10mm
C.5.1(a)2 One magnetic steering compas		Minimum One

C.9 RIG

C.9.2(a) Mast datum point shall not be more than 120mm above the top of the front bear	
C.9.7(a) Running rigging shall be led outside the mast spar	

D.4 BEAMS

D.4.2(a) The beams shall be extruded aluminium profiles of constant section	OK
D.4.2(b) The curvature of the beams shall be limited a maximum of 15mm	OK

F.3 MAST

F.3.2(a) The mast shall be extruded aluminium profiles of constant section — OK

F.3.3 Dimensions

Mast spar circumference	0,378 m	*0,385 m Maximum*
Distance between upper point and front beam	9,100 m	*9,100 m Maximum*
Shround height	6,750 m	*6,750 m Maximum*
Spinnaker hoist height	8,140 m	*8,150 m Maximum*
Top of the front beam to mast datum point		
Extrusion total lenght	9,100 m	

B.1.1(c) Have valid certification marks as required ☐

F.4 BOOM

F.4.1(a) The Boom, if fitted, Yes or no ☐

F.4.1(a) shall be made and extruded aluminium profiles of constant section

F.5 BOWSPRIT

F.5.1(a) The bowsprit shall be on the longitudinal centreline of the boat	
F.5.1(b) The bowsprit shall be attached to the front beam	
F.5.2(a) The bowsprit shall be made of aluminium of constant section	
F.5.5(a) The lenght of the bowsprit shall not excedeed the distance from the centre of the front beam to a vertical line touching the most forward part of the hull plus 800 mm, with the bbowsprit mesuread when vertical.	
F.6.2(b) (2) The bowsprit bridles may be of rope of minimum diameter 2,5mm	OK

Dimensions : Diameter Ø 40,000 m/m *Length* 3,680 m

C.9.5(c) The bowsprit shall have an end cap that is smooth, rouded

F.6 STANDING RIGGING

F.6.1(a) The standing rigging of the stanless steel	☑
F.6.2(a)(1) A forestay and bridles mini 4mm	☑
F.6.2(a)(1) Shrouds mini 4mm	☑
F.6.2(a)(3) Trapeze wires mini 2,5mm	☑

F.7 RUNNING RIGGING

F.7.2(a)(1)(2) Mainsal halyard & sheet	☐
F.7.2(a)(3)(4) Jib halyard & sheet	☐
F.7.2(a)(5)(6) Spi. halyard & sheets	☐
F.7.2(a)(7) Spi. Retraction lines	☐

Complementary comments of the measurer

MEASURES AND CALCULATIONS AREA OF JIB & SPINNAKER

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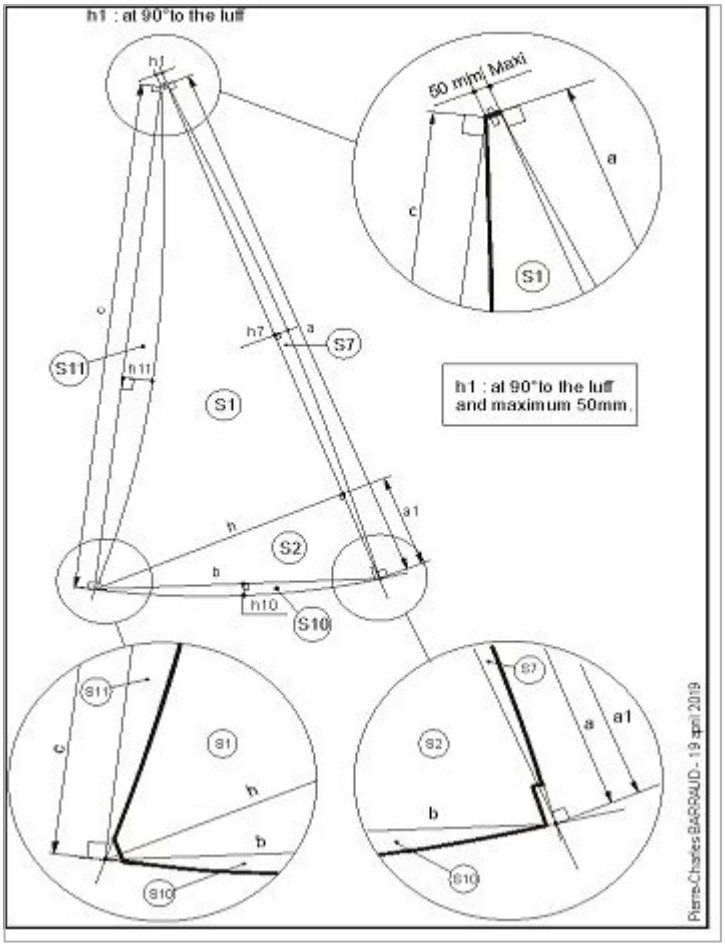

G.4 JIB

Small Jib 3,60 m2	☑	***Large Jib 4,30 m2***	☐
Sailmaker / Voilier :	ONE DESIGN SAILS		
Serial n° / N° série :	490220		
Colour / Couleur :	Blanc		
Batten number :	3	.4.2(d)(2) maximum 3	
Material / Matériau :	APEN 06 3mil		

h1	0,050	S1=((h+h1)x(a-a1))/2	4,2934
a	5,900	S2=(hxa1)/2	0,2501
h7	0,000	S7=((axh7)/3)*2	0,0000
c	5,735	S10 : 2/3bxh10	0,0183
h11	-0,075	S11 : 2/3 cxh11	-0,2868
h	1,493		
a1	0,335	**JIB AREA**	
b	1,525	**Small Jib 3,60m2**	**4,275**
h10	0,018	**Large Jib 4,30m2**	

G.4.2 Construction & G.4.3 Dimensions

		Max
The Leech shall not be convex	OK	
Top width	OK	*50mm*
Batten width	10	*40mm*
Batten pocket outside width	50	*80mm*
Window area : minimum : 0,30 m2	OK	
Dacron sticker F18 Small Jib 3,60m2	☐	
Dacron sticker F18 Large Jib 4,30 m2	☑	

G.5 SPINNAKER

Small Spinnaker 19,00m2 maximum	☑
Large Spinnaker 21,00m2 maximum	☐
Sailmaker / Voilier :	
Serial n° / N° série :	
Colour / Couleur :	
G.5.1 Material / Matériau :	

SL1		% SMG / SF	0,00
SL2		**Spinnaker AREA**	
SMG			
SF			
Dacron sticker F18 spinnaker 19,00 m2	☐		
Dacron sticker F18 spinnaker 21,00 m2	☐		

RESERVED NATIONAL CLASS ASSOCIATION

Certification control carried by	*Date*
Alain Bujeaud	23/09/2021

MEASURES AND CALCULATIONS THE MAINSAIL CLASSIC OR DS

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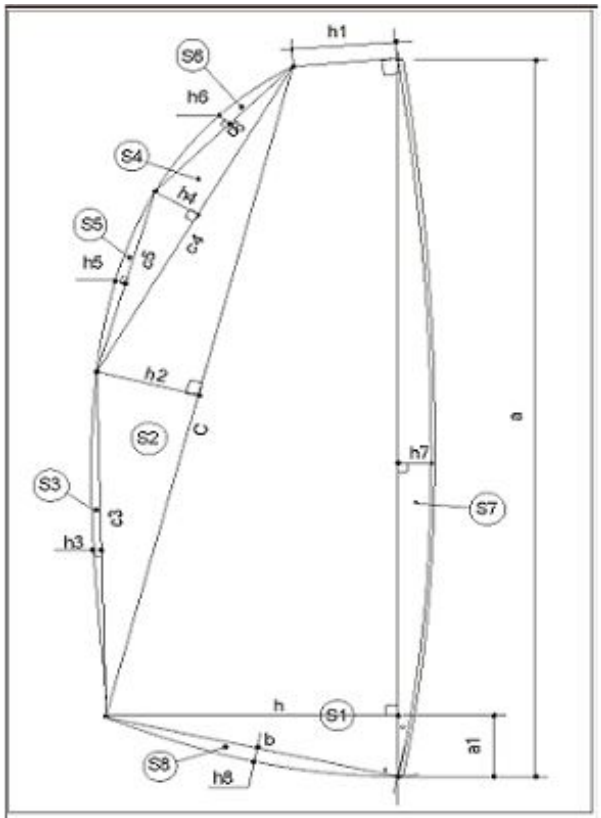

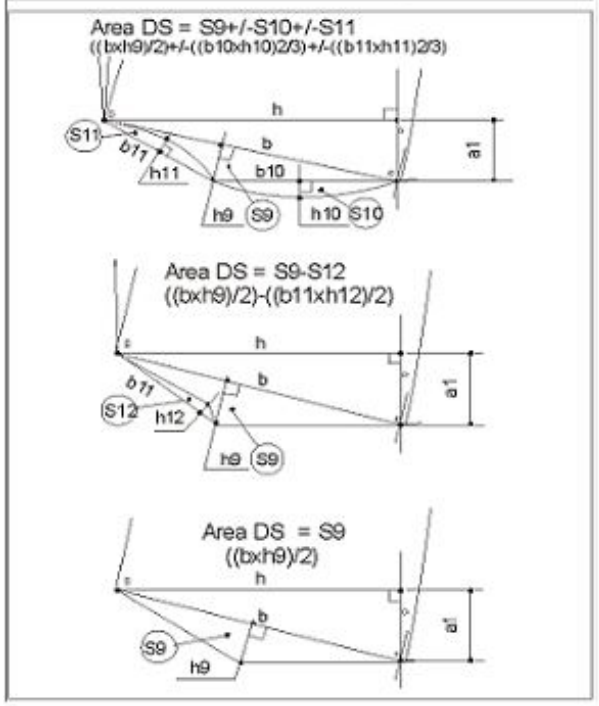

MAST AREA

Length extrusion	9,100	Perimeter	0,378

G.3 MAIN SAIL : 17 m maximum

Sailmaker / Voilier :	ONE DESIGN SAILS
Serial n° / N° série :	490120
Colour / Couleur :	Blanche
Batten number :	3
G.3.2 Material / Matériau :	Contender APEN 06 3m

a	9,050	S1 : ((h+h1)(a-a1)+(a1xh))/2	12,8853
h7	0,115	S2 : (cxh2)/2	0,7614
c	8,015	S3 : 2/3 c3xh3	0,1124
h2	0,190	S4 : (c4xh4)/2	0,0682
c4	4,013	S5 : 2/3 c5xh5	0,0134
h4	0,034	S6 : 2/3 c6xh6	0,0267
c6	2,005	S7 : 2/3 axh7	0,6938
h6	0,020	S8 : 2/3 bxh8	
c5	2,010	S9 : (b*h9)/2	0,5664
h5	0,010	S10 : ((b10*h10)/3)*2	
c3	4,015	S11 : ((b11*h11)/3)*2	
h3	0,042	S12 : -(b11*h12)/2	
h	2,115	***Main Sail AREA***	**15,128**
b	2,385		
h8	0,000	Mast area / Surf. Du mât :	**1,720**
a1	1,110	**Total AREA**	**16,848**
h1	0,835		

h9	0,475
b10	0,000
h10	0,000
b11	0,000
h11	0,000
h12	0,000

h1 and h being parallel and perpendicular to the main luff, the main area is a trapezium and a right-angled triangle.
h2 and h4 are perpendicular to the middle point between c and c4.
H3, h5, h6, h7 and h8 are respectively the cambers of the cords c3, c5, c6, a and b.
h10, h11 can be positive, negative or equal to zero.

G.3.5 DIMENSIONS

		Max
Top width excluding boltrope		*1,00 m*
Upper wight at upper leech point 1500mm from the head point	1123	*1,29 m*
The angle between the luff ans the head	OK	*90°*
Tabling width		*115mm*
Window area : minimum : 0,30 m2	OK	

B.2 CERTIFICATION MARKS F18

Dacron sticker F18 main sail 17,00 m2	☑
Class emblem F18	☑

Certification control carried by

Alain Bujeaud

Certification Authority

Date

23/09/2021

Comments of the measurer