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

IDENTIFICATION

Boat Certificate n°	**FRA 2021-005**	*National letters & Sail N° :*	FRA	*WS N° :*	1 250
Hulls N° / N° coques :	FR EBC 901 03F121	*Hulls N° / N° coques :*	FR EBC 901 03F121		
Brand of boat :	Cirrus			*Date manufactured :*	2021

OWNER

owner / propriétaire :	EBCONCEPT		
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 :		180,100 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	1	
D.3.1.(a) Material	GF		
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° :	N/A	N/A	
E.3.4.(a) Daggerboards weight	4,540 kg	4,330 kg	5,5 kg maximum
E.3.3.(c) Daggerboards extension below the hull	1,40	1,40	1,40m maximum
B1.1.(c) Daggerboard certification mark F18	☑	☑	
C.8.2. Rudders serial n° :	N/A	N/A	
E.4.6.(a). Rudders weight	3,400 kg	3,600 kg	Minimum 3 kg
B1.1.(c) Rudder certification mark F18	☑	☑	

RESERVED NATIONAL CLASS ASSOCIATION

Initial boat certification ☑ — *Certification control carried by* Antoine Meunier — *Date* 24/06/2021

Boat re-certification n° 0 — *For main sail :* ☐ *jib* ☐ *Spinnaker* ☐ *Platform* ☐ *Other* ☐

Certification Authority

Complementary comments of the measurer

EQUIPEMENTS

Boat Certificate n°	**FRA 2021-005**	*National letters & Sail N° :*	FRA	*WS N° :*	1 250
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C.5 PORTABLE EQUIPMENT

C.5.1(a)1 One righting line	4,4	Minimum 4m. long
	10	Minimum Ø 10mm
C.5.1(a)2 One magnetic steering compas	1	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	115
C.9.7(a) Running rigging shall be led outside the mast spar	ok

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	3

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	9,080 m	*9,100 m Maximum*
Shround height	6,750 m	*6,750 m Maximum*
Spinnaker hoist height	7,770 m	*8,150 m Maximum*
Top of the front beam to mast datum point	0.115	
Extrusion total lenght	9,030 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 : Yes

F.5 BOWSPRIT

F.5.1(a) The bowsprit shall be on the longitudinal centreline of the boat	Yes
F.5.1(b) The bowsprit shall be attached to the front beam	Yes
F.5.2(a) The bowsprit shall be made of aluminium of constant section	Yes
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.	Yes
F.6.2(b) (2) The bowsprit bridles may be of rope of minimum diameter 2,5mm	Yes

Dimensions : Diameter Ø 40,000 m/m *Length* 3,468 m

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

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

Boat Certificate n°	**FRA 2021-005**	*National letters & Sail N° :*	FRA	*WS N° :*	1 250
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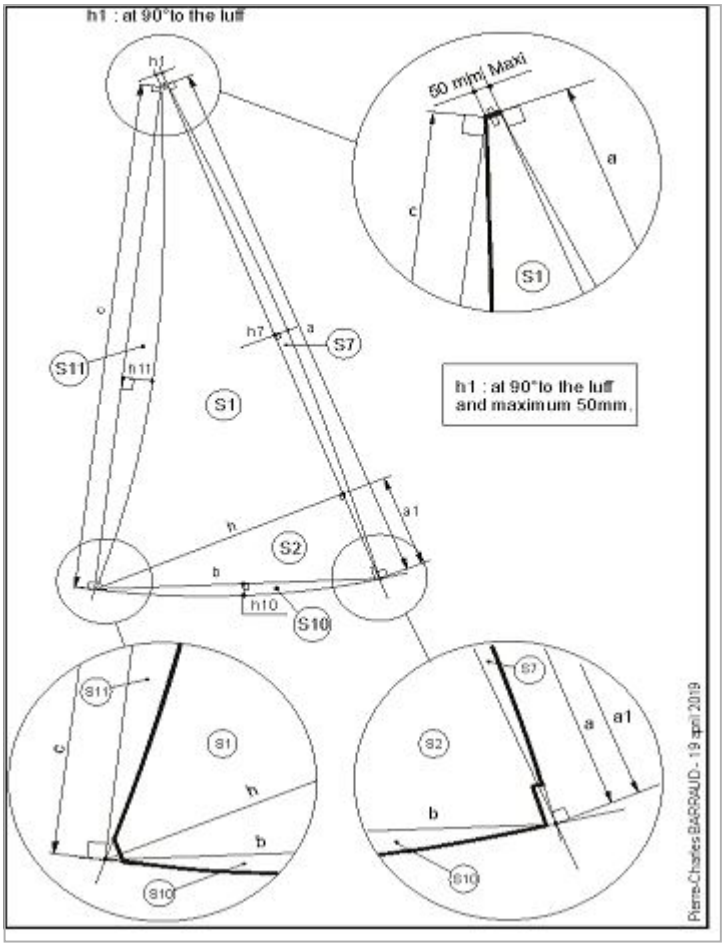


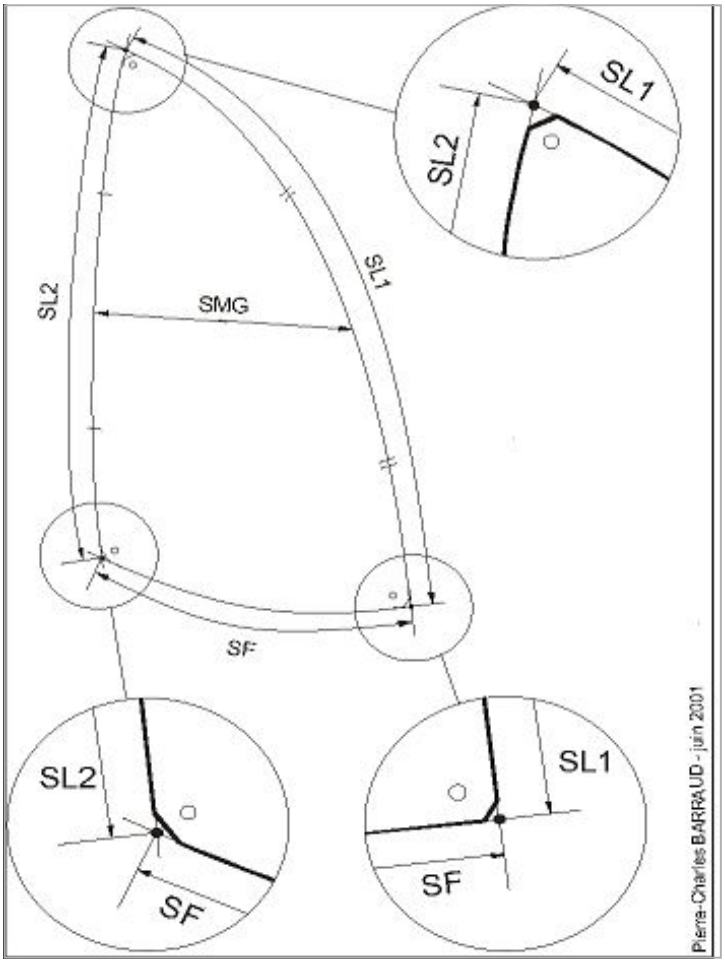
G.4 JIB

Small Jib 3,60 m2	☐	***Large Jib 4,30 m2***	☑
Sailmaker / Voilier :	Glaser		
Serial n° / N° série :	42122 - 2021		
Colour / Couleur :	White		
Batten number :	3	.4.2(d)(2) maximum 3	
Material / Matériau :	Apen 6 3mil		

h1	0,050	S1=((h+h1)x(a-a1))/2	4,1034
a	5,395	S2=(hxa1)/2	0,4156
h7	0,023	S7=((axh7)/3)*2	0,0827
c	5,108	S10 : 2/3bxh10	0,0000
h11	-0,105	S11 : 2/3 cxh11	-0,3576
h	1,630		
a1	0,510	**JIB AREA**	
b	1,710	**Small Jib 3,60m2**	**4,244**
h10	0,000	**Large Jib 4,30m2**	

G.4.2 Construction & G.4.3 Dimensions

		Max
The Leech shall not be convex	Yes	
Top width	50	*50mm*
Batten width	13	*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 :	Glaser
Serial n° / N° série :	6213
Colour / Couleur :	White
G.5.1 Material / Matériau :	Contender MK70

SL1	8,652	% SMG / SF	76,24
SL2	7,594	**Spinnaker AREA**	**20,998**
SMG	2,920		
SF	3,830		
Dacron sticker F18 spinnaker 19,00 m2			☐
Dacron sticker F18 spinnaker 21,00 m2			☑

RESERVED NATIONAL CLASS ASSOCIATION

Certification control carried by	*Date*
Antoine Meunier	24/06/2021

MEASURES AND CALCULATIONS THE MAINSAIL CLASSIC OR DS

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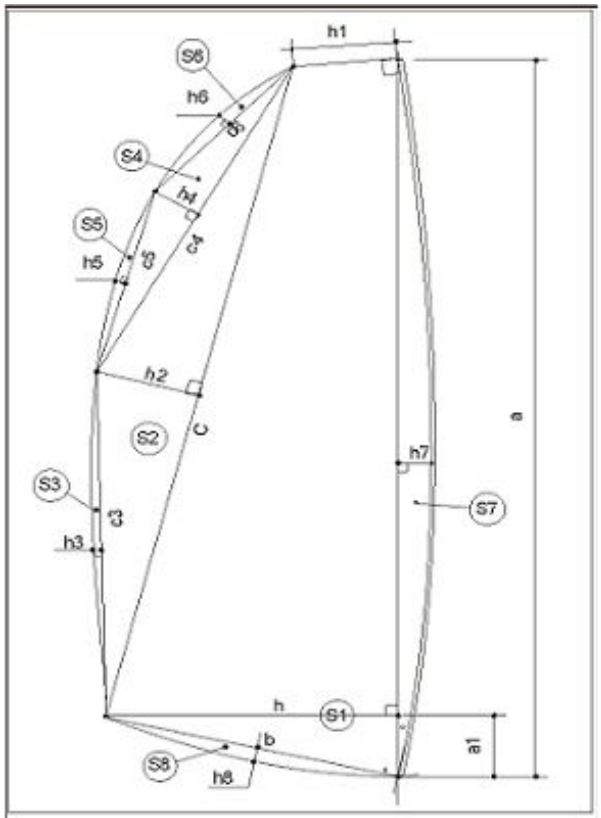

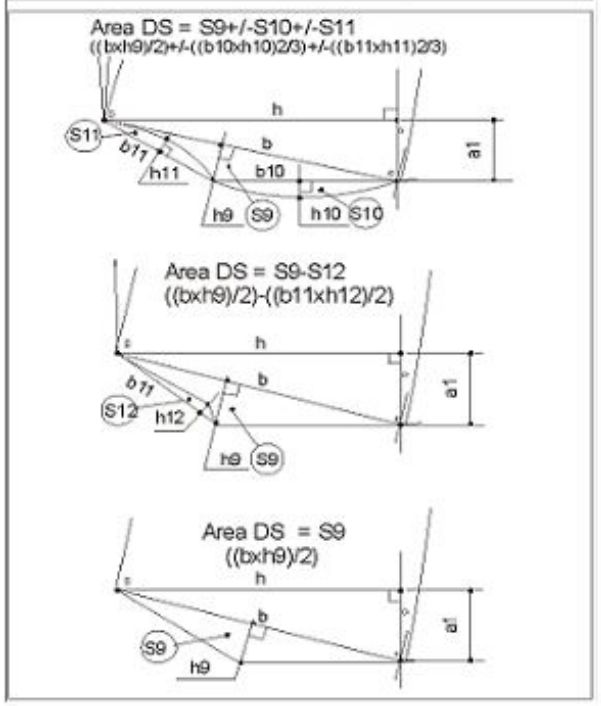

MAST AREA

Length extrusion	9,030	Perimeter	0,378

G.3 MAIN SAIL : 17 m maximum

Sailmaker / Voilier :	Glaser
Serial n° / N° série :	6212
Colour / Couleur :	White
Batten number :	3
G.3.2 Material / Matériau :	Contender Apen 6 3mi

a	9,038	S1 : ((h+h1)(a-a1)+(a1xh))/2	12,9889
h7	0,100	S2 : (cxh2)/2	0,7938
c	7,938	S3 : 2/3 c3xh3	0,0938
h2	0,200	S4 : (c4xh4)/2	0,1015
c4	3,902	S5 : 2/3 c5xh5	0,0247
h4	0,052	S6 : 2/3 c6xh6	0,0086
c6	1,616	S7 : 2/3 axh7	0,6025
h6	0,008	S8 : 2/3 bxh8	
c5	2,313	S9 : (b*h9)/2	0,6199
h5	0,016	S10 : ((b10*h10)/3)*2	0,0086
c3	4,020	S11 : ((b11*h11)/3)*2	
h3	0,035	S12 : -(b11*h12)/2	
h	2,223	***Main Sail AREA***	**15,242**
b	2,520		
h8	0,000	Mast area / Surf. Du mât :	**1,707**
a1	1,062	**Total AREA**	**16,949**
h1	0,738		

h9	0,492
b10	1,070
h10	0,012
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	0,738	*1,00 m*
Upper wight at upper leech point 1500mm from the head point	1,1	*1,29 m*
The angle between the luff ans the head	90	*90°*
Tabling width	50	*115mm*
Window area : minimum : 0,30 m2	2,9025	

B.2 CERTIFICATION MARKS F18

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

Certification control carried by

Antoine Meunier

Certification Authority

Date

24/06/2021

Comments of the measurer