



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



IDENTIFICATION

Boat Certificate n° National letters & Sail N° : WS N° :
Hulls N° / N° coques : Hulls N° / N° coques :
Brand of boat : Date manufactured :

OWNER

owner / propriétaire :
Address / adresse :

Zip code / CP : City / ville :
Country / Pays : E-mail :

MEASURES & DESCRIPTION OF THE PLATFORM

C.6.1.(b) (1) Weight boat ready to sail : 180 kg minimum
C.6.2.(a) Corrector weight 7 kg maximum
D.6.2.(a) Hull length / Longueur coque 5,52 m maximum
D.6.2.(b) Boat beam / Largeur plateforme 2,60 m maximum
C.7.1.(b) Inspection hatches / trappes Minimum 1 per hull
D.3.1.(a) Material
D.5.1.(a) Trampoline material Netting is not permitted
B.1.1.(c) have valid certification mark is required : Port side hull starboard side

DAGGERBOARDS & RUDDERS

	Port side	starboard side	
C.8.2.(a)(1) Daggerboards serial n° :	<input type="text" value="No"/>	<input type="text" value="No"/>	
E.3.4.(a) Daggerboards weight	<input type="text" value="4,400 kg"/>	<input type="text" value="4,500 kg"/>	5,5 kg maximum
E.3.3.(c) Daggerboards extension below the hull	<input type="text" value="1,40"/>	<input type="text" value="1,40"/>	1,40m maximum
B1.1.(c) Daggerboard certification mark F18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
C.8.2. Rudders serial n° :	<input type="text" value="No"/>	<input type="text" value="No"/>	
E.4.6.(a). Rudders weight	<input type="text" value="3,500 kg"/>	<input type="text" value="3,600 kg"/>	Minimum 3 kg
B1.1.(c) Rudder certification mark F18	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

RESERVED NATIONAL CLASS ASSOCIATION

Initial boat certification Certification control carried by Date
Boat re-certification n° For main sail : jib Spinnaker Platform Other

Certification Authority

Complementary comments of the measurer

EQUIPEMENTS

Boat Certificate n°	FRA 2021-004	National letters & Sail N°:	FRA 901	WS N°:	1 254
Owner :	EBCONCEPT	Brand of boat :	CIRRUS 901		

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
	Shroud 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 length	9,030 m	
B.1.1(c) Have valid certification marks as required		<input checked="" type="checkbox"/>	

F.4 BOOM

F.4.1(a) The Boom, if fitted,	Yes or no	<input checked="" type="checkbox"/>
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 length of the bowsprit shall not exceeded 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 bowsprit measured 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, rounded	Yes			

F.6 STANDING RIGGING

F.6.1(a) The standing rigging of the stainless steel	<input checked="" type="checkbox"/>
F.6.2(a)(1) A forestay and bridles mini 4mm	<input checked="" type="checkbox"/>
F.6.2(a)(1) Shrouds mini 4mm	<input checked="" type="checkbox"/>
F.6.2(a)(3) Trapeze wires mini 2,5mm	<input checked="" type="checkbox"/>

F.7 RUNNING RIGGING

F.7.2(a)(1)(2) Mainsal halyard & sheet	<input checked="" type="checkbox"/>
F.7.2(a)(3)(4) Jib halyard & sheet	<input checked="" type="checkbox"/>
F.7.2(a)(5)(6) Spi. halyard & sheets	<input checked="" type="checkbox"/>
F.7.2(a)(7) Spi. Retraction lines	<input checked="" type="checkbox"/>

Complementary comments of the measurer

MEASURES AND CALCULATIONS AREA OF JIB & SPINNAKER

Boat Certificate n°

FRA 2021-004

National letters & Sail N° :

FRA 901

WS N° :

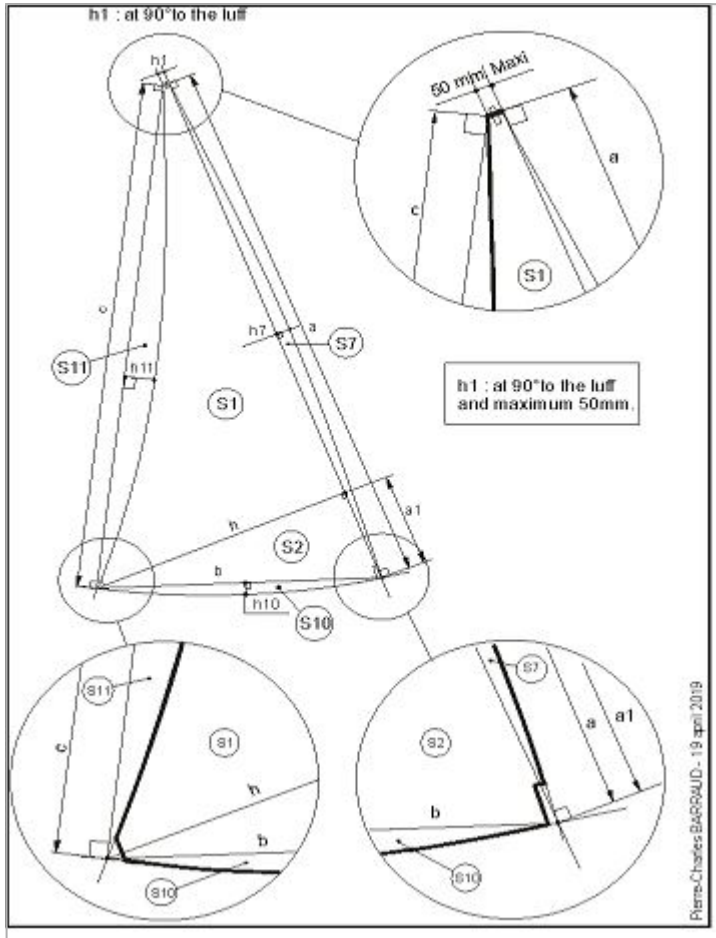
1 254

Owner :

EBCONCEPT

Brand of boat :

CIRRUS 901



Pierre-Charles BARRAUD - 19 avril 2019

G.4 JIB

Small Jib 3,60 m2

Large Jib 4,30 m2

Sailmaker / Voilier :

Glaser

Serial n° / N° série :

5217 - 2021

Colour / Couleur :

White

Batten number :

3 3.4.(d)(2) maximum 3

Material / Matériau :

Apen6 3mil

h1	0,050	$S1 = ((h+h1) \times (a-a1)) / 2$	4,4770
a	5,394	$S2 = (h \times a1) / 2$	0,0000
h7	0,022	$S7 = ((a \times h7) / 3) \times 2$	0,0791
c	5,102	$S10 = 2 / 3 \times b \times h10$	0,0000
h11	-0,076	$S11 = 2 / 3 \times c \times h11$	-0,2585
h	1,610	JIB AREA Small Jib 3,60m2 Large Jib 4,30m2 4,298	
a1			
b	1,689		
h10	0,000		

G.4.2 Construction & G.4.3 Dimensions

The Leech shall not be convex	<input type="checkbox"/> Yes	Max
Top width	<input type="checkbox"/> 50	50mm
Batten width	<input type="checkbox"/> 13	40mm
Batten pocket outside width	<input type="checkbox"/> 50	80mm
Window area : minimum : 0,30 m2	<input type="checkbox"/> OK	
Dacron sticker F18 Small Jib 3,60m2	<input type="checkbox"/>	
Dacron sticker F18 Large Jib 4,30 m2	<input checked="" type="checkbox"/>	

G.5 SPINNAKER

Small Spinnaker 19,00m2 maximum

Large Spinnaker 21,00m2 maximum

Sailmaker / Voilier :

Glaser

Serial n° / N° série :

2213

Colour / Couleur :

Rainbow

G.5.1 Material / Matériau :

Nylon

SL1	8,607	% SMG / SF	75,33
SL2	7,548	Spinnaker AREA 20,634	
SMG	2,877		
SF	3,819		
Dacron sticker F18 spinnaker 19,00 m2			
Dacron sticker F18 spinnaker 21,00 m2			<input checked="" type="checkbox"/>

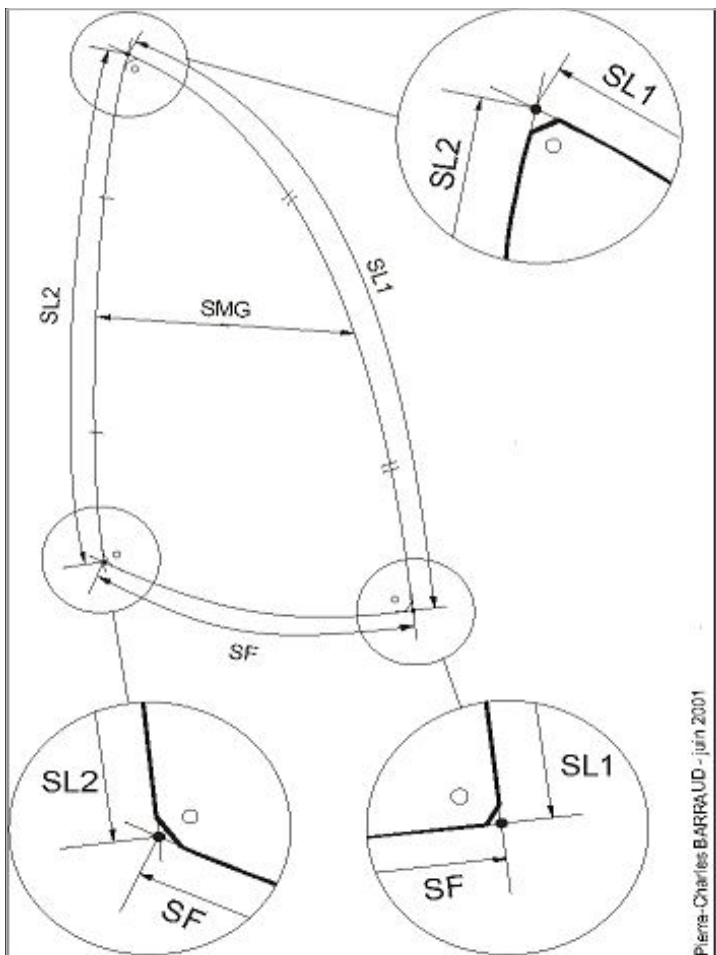
RESERVED NATIONAL CLASS ASSOCIATION

Certification control carried by

Date

Antoine Meunier

24/06/2021



Pierre-Charles BARRAUD - juin 2001

MEASURES AND CALCULATIONS THE MAINSAIL CLASSIC OR DS

Boat Certificate n°

FRA 2021-004

National letters & Sail N° :

FRA 901

WS N° :

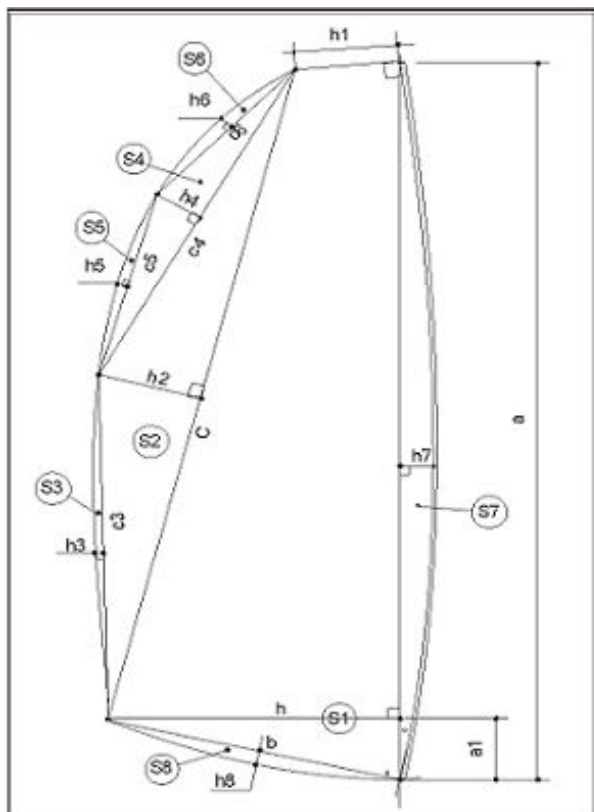
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Owner :

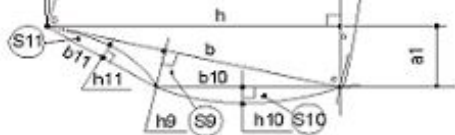
EBCONCEPT

Brand of boat :

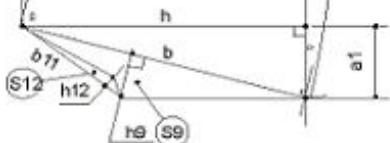
CIRRUS 901



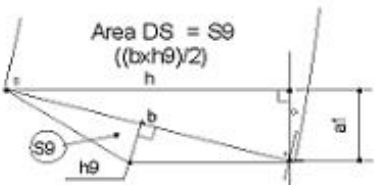
Area DS = S9+/-S10+/-S11
 $((bxh9)/2)+/-((b10xh10)/2)+/-((b11xh11)/2)$



Area DS = S9-S12
 $((bxh9)/2)-((b11xh12)/2)$



Area DS = S9
 $((bxh9)/2)$



Certification control carried by

Date

Antoine Meunier

24/06/2021

Certification Authority

Comments of the measurer

MAST AREA

Length extrusion 9,030 Perimeter 0,378

G.3 MAIN SAIL : 17 m maximum

Sailmaker / Voilier :	Glaser
Serial n° / N° série :	42125
Colour / Couleur :	White
Batten number :	3
G.3.2 Material / Matériau :	Contender Apen 6 3mi

a	9,050	S1 : $((h+h1)(a-a1)+(a1xh))/2$	12,8656
h7	0,120	S2 : $(cxh2)/2$	0,8421
c	7,944	S3 : $2/3 c3xh3$	0,1275
h2	0,212	S4 : $(c4xh4)/2$	0,1050
c4	3,890	S5 : $2/3 c5xh5$	0,0167
h4	0,054	S6 : $2/3 c6xh6$	0,0097
c6	1,611	S7 : $2/3 axh7$	0,7240
h6	0,009	S8 : $2/3 bxh8$	
c5	2,282	S9 : $(b^*h9)/2$	0,5455
h5	0,011	S10 : $((b10^*h10)/3)^2$	
c3	4,070	S11 : $((b11^*h11)/3)^2$	
h3	0,047	S12 : $-(b11^*h12)/2$	
h	2,200	Main Sail AREA	15,236
b	2,514		
h8	0,000	Mast area / Surf. Du mât :	1,707
a1	1,130	Total AREA	16,943
h1	0,735		

h9	0,434	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.
b10	0,000	
h10	0,000	
b11	0,000	
h11	0,000	
h12	0,000	

G.3.5 DIMENSIONS

Top width excluding boltrope	0,735	Max 1,00 m
Upper wight at upper leech point 1500mm from the head point	1,08	1,29 m
The angle between the luff ans the head	90	90°
Tabling width	50	115mm
Window area : minimum : 0,30 m2	2,997	

B.2 CERTIFICATION MARKS F18

Dacron sticker F18 main sail 17,00 m2	<input checked="" type="checkbox"/>
Class emblem F18	<input checked="" type="checkbox"/>