



**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="G218DB-THA"/>	<input type="text" value="G218DB-THA"/>	
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="1,17"/>	<input type="text" value="1,17"/>	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="G2020RD-TH"/>	<input type="text" value="G2020RD-TH"/>	
E.4.6.(a). Rudders weight	<input type="text" value="3,000 kg"/>	<input type="text" value="3,000 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

ATTENTION: JAUGE REALISEE SOUS LA PLUIE !
- Poids des safrans À RE-VERIFIER : 2 safrans trop légers, pesé à 3 kg après l'ajout d'un lest de 0,3 kg par safran = Nécessité

EQUIPEMENTS

Boat Certificate n°	FRA 2021-003	National letters & Sail N°:	FRA 1962	WS N°:	0
Owner :	TOUCHOT NICOLAS	Brand of boat :	GOODALL AKURRA		

C.5 PORTABLE EQUIPMENT

C.5.1(a)1 One righting line	4,00	Minimum 4m. long
	8mm	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	OK
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	

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	0,375 m	0,385 m Maximum
	Distance between upper point and front beam	9,060 m	9,100 m Maximum
	Shroud height	6,700 m	6,750 m Maximum
	Spinnaker hoist height	8,132 m	8,150 m Maximum
	Top of the front beam to mast datum point	0,045	
	Extrusion total lenght	9,120 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	OK

F.5 BOWSPRIT

F.5.1(a) The bowsprit shall be on the longitudinal centreline of the boat	OK			
F.5.1(b) The bowsprit shall be attached to the front beam	OK			
F.5.2(a) The bowsprit shall be made of aluminium of constant section	OK			
F.5.5(a) The lenght 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 mesured when vertical.	660			
F.6.2(b) (2) The bowsprit bridles may be of rope of minimum diameter 2,5mm	OK			
Dimensions :	Diameter Ø		Length	
C.9.5(c) The bowsprit shall have an end cap that is smooth, rounded	OK			

F.6 STANDING RIGGING

F.6.1(a) The standing rigging of the stanless 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
 Bout de dessalage: 8 au lieu de 10mm
 Extrusion total lenght: 9,12 au lieu de 9,10

MEASURES AND CALCULATIONS AREA OF JIB & SPINNAKER

Boat Certificate n°

FRA 2021-003

National letters & Sail N° :

FRA 1962

WS N° :

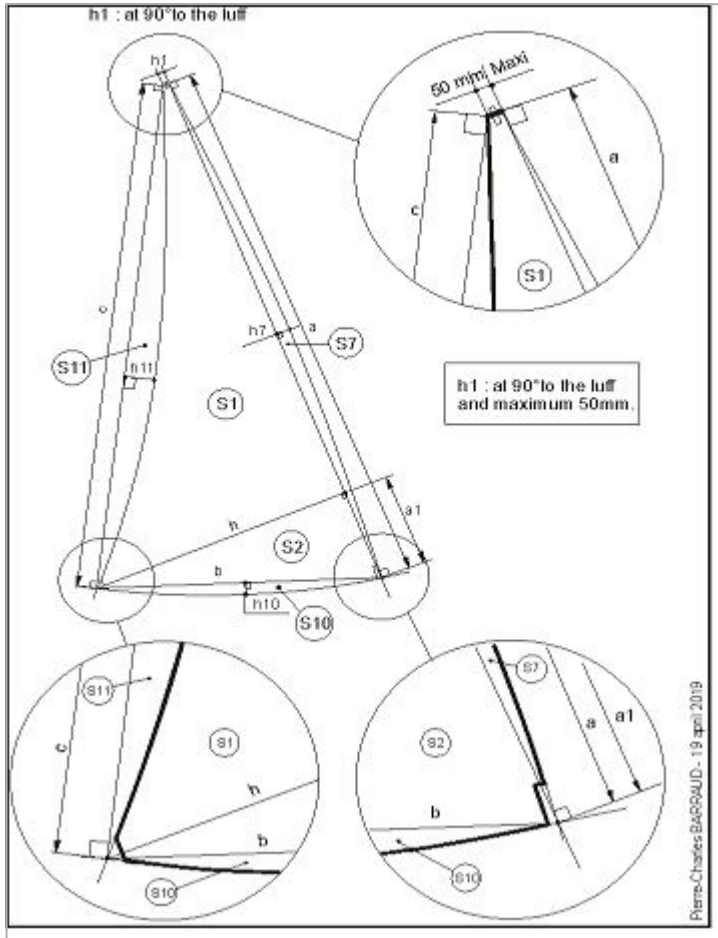
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Owner :

TOUCHOT NICOLAS

Brand of boat :

GOODALL AKURRA



G.4 JIB

Small Jib 3,60 m2

Large Jib 4,30 m2

Sailmaker / Voilier :

GOODALL DESIGN

Serial n° / N° série :

J544

Colour / Couleur :

BLACK

Batten number :

3 3.4.2(d)(2) maximum 3

Material / Matériau :

PE 05 3mil

h1	0,047	$S1 = ((h+h1) \times (a-a1)) / 2$	4,1857
a	5,990	$S2 = (h \times a1) / 2$	0,3175
h7	0,000	$S7 = ((a \times h7) / 3) \times 2$	0,0000
c	5,707	$S10 = 2 / 3 \times b \times h10$	0,0101
h11	-0,064	$S11 = 2 / 3 \times c \times h11$	-0,2435
h	1,460	JIB AREA Small Jib 3,60m2 Large Jib 4,30m2	4,270
a1	0,435		
b	1,520		
h10	0,010		

G.4.2 Construction & G.4.3 Dimensions

The Leech shall not be convex	<input type="checkbox"/> OK	Max
Top width	<input type="text" value="47"/>	50mm
Batten width	<input type="text"/>	40mm
Batten pocket outside width	<input type="text"/>	80mm
Window area : minimum : 0,30 m2	<input type="checkbox"/> YES	
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 :

Serial n° / N° série :

Colour / Couleur :

G.5.1 Material / Matériau :

SL1	<input type="text"/>	% SMG / SF	0,00
SL2	<input type="text"/>	Spinnaker AREA	
SMG	<input type="text"/>		
SF	<input type="text"/>		
Dacron sticker F18 spinnaker 19,00 m2	<input type="checkbox"/>		
Dacron sticker F18 spinnaker 21,00 m2	<input type="checkbox"/>		

RESERVED NATIONAL CLASS ASSOCIATION

Certification control carried by

Date

Frédérique Pfeiffer

17/06/2021

Spi 20,95: PCB (26/01/20)

MEASURES AND CALCULATIONS THE MAINSAIL CLASSIC OR DS

Boat Certificate n°

FRA 2021-003

National letters & Sail N° :

FRA 1962

WS N° :

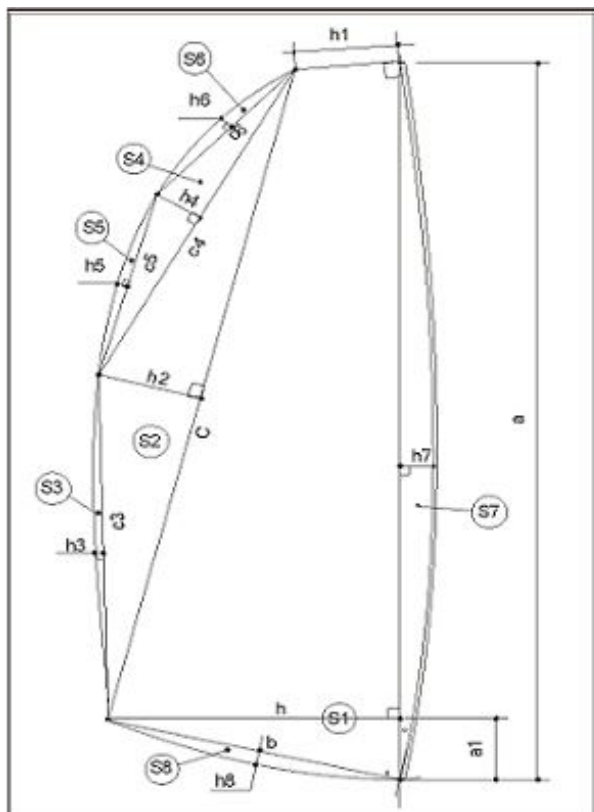
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Owner :

TOUCHOT NICOLAS

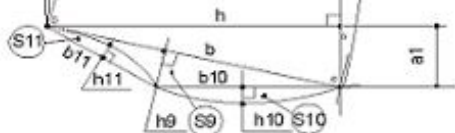
Brand of boat :

GOODALL AKURRA



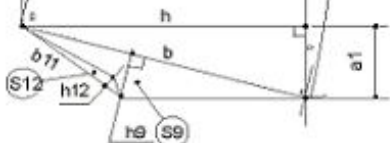
$$\text{Area DS} = S9 + / - S10 + / - S11$$

$$((b \times h9) / 2) + / - ((b10 \times h10) / 2) + / - ((b11 \times h11) / 2)$$



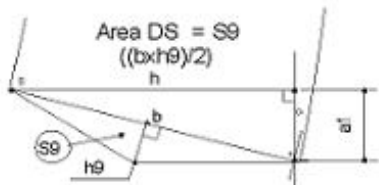
$$\text{Area DS} = S9 - S12$$

$$((b \times h9) / 2) - ((b11 \times h12) / 2)$$



$$\text{Area DS} = S9$$

$$((b \times h9) / 2)$$



Certification control carried by

Date

Frédérique Pfeiffer

17/06/2021

Certification Authority

Comments of the measurer

MAST AREA

Length extrusion 9,120 Perimeter 0,375

G.3 MAIN SAIL : 17 m maximum

Sailmaker / Voilier : GOODALL DESIGN
 Serial n° / N° série : M498
 Colour / Couleur : BLACK
 Batten number : 3
 G.3.2 Material / Matériau : PE05 3mil

a	9,047	S1 : $((h+h1)(a-a1)+(a1xh))/2$	13,0574
h7	0,115	S2 : $(cxh2)/2$	0,6477
c	8,096	S3 : $2/3 c3xh3$	0,0507
h2	0,160	S4 : $(c4xh4)/2$	0,1346
c4	4,487	S5 : $2/3 c5xh5$	0,0299
h4	0,060	S6 : $2/3 c6xh6$	0,0344
c6	2,243	S7 : $2/3 axh7$	0,6936
h6	0,023	S8 : $2/3 bxh8$	
c5	2,242	S9 : $(b \times h9) / 2$	0,6122
h5	0,020	S10 : $((b10 \times h10) / 3) \times 2$	
c3	3,623	S11 : $((b11 \times h11) / 3) \times 2$	
h3	0,021	S12 : $-(b11 \times h12) / 2$	
h	2,090	Main Sail AREA	15,260
b	2,310		
h8	0,000	Mast area / Surf. Du mât :	1,710
a1	0,995	Total AREA	16,970
h1	0,895		

h9	0,530
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

Top width excluding boltrope	0,895	Max 1,00 m
Upper wight at upper leech point 1500mm from the head point	1,205	1,29 m
The angle between the luff ans the head	OK	90°
Tabling width		115mm
Window area : minimum : 0,30 m2	YES	

B.2 CERTIFICATION MARKS F18

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