



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



World Sailing

IDENTIFICATION

Boat Certificate n° National letters & Sail N° : WS N° :

Hulls N° / N° coques : Hulls N° / N° coques :

CIRRIUS 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"/>	<input type="text"/>	
E.3.4.(a) Daggerboards weight	<input type="text"/>	<input type="text"/>	5,5 kg maximum
E.3.3.(c) Daggerboards extension below the hull	<input type="text"/>	<input type="text"/>	1,40m maximum
B1.1.(c) Daggerboard certification mark F18	<input type="checkbox"/>	<input type="checkbox"/>	
C.8.2. Rudders serial n° :	<input type="text"/>	<input type="text"/>	
E.4.6.(a). Rudders weight	<input type="text"/>	<input type="text"/>	Minimum 3 kg
B1.1.(c) Rudder certification mark F18	<input type="checkbox"/>	<input 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 2018-003-M001	National letters & Sail N° :	FRA 218	WS N° :	1 143
Owner :	LECOMTE Olivier/KIEFFER Stephane		Brand of boat :		

C.5 PORTABLE EQUIPMENT

C.5.1(a)1 One righting line	<input type="text" value="0"/>	Minimum 4m. long
	<input type="text" value="0"/>	Minimum Ø 10mm
C.5.1(a)2 One magnetic steering compas	<input type="text"/>	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	<input type="text"/>
C.9.7(a) Running rigging shall be led outside the mast spar	<input type="text"/>

D.4 BEAMS

D.4.2(a) The beams shall be extruded aluminium profiles of constant section	<input type="text"/>
D.4.2(b) The curvature of the beams shall be limited a maximum of 15mm	<input type="text"/>

F.3 MAST

F.3.2(a) The mast shall be extruded aluminium profiles of constant section	<input type="text"/>	
F.3.3 Dimensions	Mast spar circumference	<input type="text" value="0,380 m"/> 0,385 m Maximum
	Distance between upper point and front beam	<input type="text" value="9,100 m"/> 9,100 m Maximum
	Shroud height	<input type="text" value="6,750 m"/> 6,750 m Maximum
	Spinnaker hoist height	<input type="text" value="8,150 m"/> 8,150 m Maximum
	Top of the front beam to mast datum point	<input type="text"/>
	Extrusion total lenght	<input type="text" value="9,030 m"/>
B.1.1(c) Have valid certification marks as required	<input type="checkbox"/>	

F.4 BOOM

F.4.1(a) The Boom, if fitted,	Yes or no	<input type="checkbox"/>
F.4.1(a) shall be made and extruded aluminium profiles of constant section	<input type="text"/>	

F.5 BOWSPRIT

F.5.1(a) The bowsprit shall be on the longitudinal centreline of the boat	<input type="text"/>	
F.5.1(b) The bowsprit shall be attached to the front beam	<input type="text"/>	
F.5.2(a) The bowsprit shall be made of aluminium of constant section	<input type="text"/>	
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.	<input type="text"/>	
F.6.2(b) (2) The bowsprit bridles may be of rope of minimum diameter 2,5mm	<input type="text"/>	
Dimensions :	Diameter Ø	<input type="text" value="40,000 m/m"/> Length
		<input type="text" value="3,900 m"/>
C.9.5(c) The bowsprit shall have an end cap that is smooth, rounded	<input type="text"/>	

F.6 STANDING RIGGING

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

F.7 RUNNING RIGGING

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

Complementary comments of the measurer

MEASURES AND CALCULATIONS AREA OF JIB & SPINNAKER

Boat Certificate n°	FRA 2018-003-M001	National letters & Sail N°:	FRA 218	WS N°:	1 143
Owner :	LECOMTE Olivier/KIEFFER Stephane		Brand of boat :		

G.4 JIB

Small Jib 3,60 m2	<input type="checkbox"/>	Large Jib 4,30 m2	<input type="checkbox"/>
Sailmaker / Voilier :			
Serial n° / N° série :			
Colour / Couleur :			
Batten number :	0	G.4.2(d)(2) maximum 3	
Material / Matériau :			

h1		$S1 = ((h+h1) \times (a-a1)) / 2$	0,0000
a	0,000	$S2 = (h \times a1) / 2$	0,0000
h7	0,000	$S7 = ((axh7) / 3) \times 2$	0,0000
c		$S10 : 2/3bxh10$	0,0000
h11		$S11 : 2/3 cxh11$	0,0000
h		JIB AREA Small Jib 3,60m2 Large Jib 4,30m2	
a1			
b			
h10	0,000		

G.4.2 Construction & G.4.3 Dimensions

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

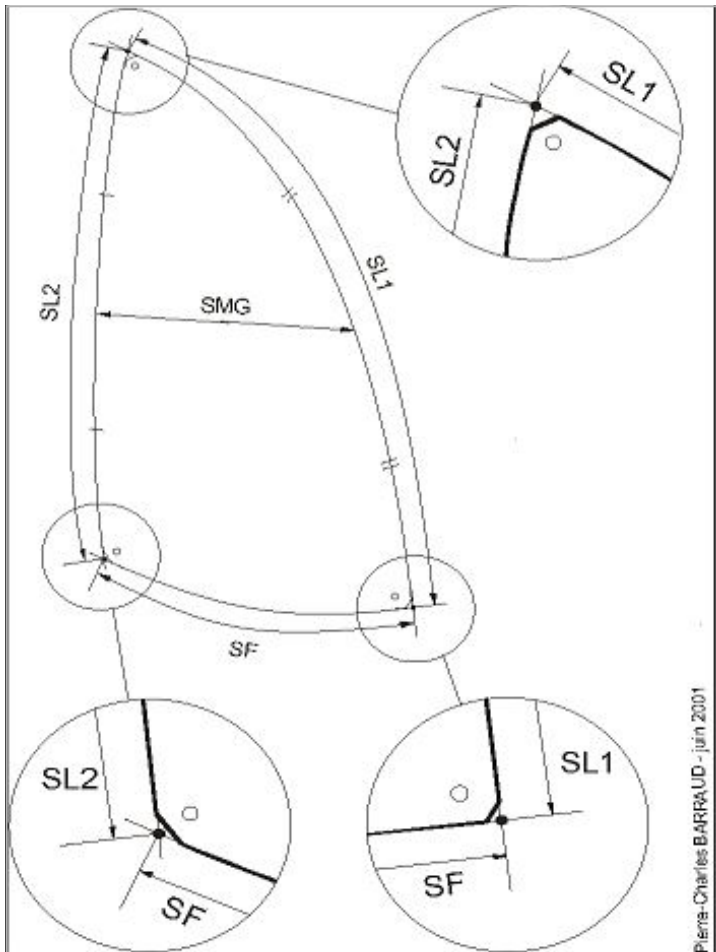
G.5 SPINNAKER

Small Spinnaker 19,00m2 maximum	<input type="checkbox"/>
Large Spinnaker 21,00m2 maximum	<input type="checkbox"/>
Sailmaker / Voilier :	ONE DESIGN SAILS
Serial n° / N° série :	140120
Colour / Couleur :	Bleu
G.5.1 Material / Matériau :	MAXICOTE 100

SL1	8,740	% SMG / SF	75,73
SL2	7,640	Spinnaker AREA 20,625	
SMG	2,840		
SF	3,750		
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
Bernard Marcellin	30/05/2020
Certification Authority	



MEASURES AND CALCULATIONS THE MAINSAIL CLASSIC OR DS

Boat Certificate n°	FRA 2018-003-M001	National letters & Sail N° :	FRA 218	WS N° :	1 143
Owner :	LECOMTE Olivier/KIEFFER Stephane		Brand of boat :	PARUS R2	

MAST AREA	
Length extrusion	9,030
Perimeter	0,380

G.3 MAIN SAIL : 17 m maximum

Sailmaker / Voilier :	
Serial n° / N° série :	
Colour / Couleur :	
Batten number :	0
G.3.2 Material / Matériau :	

a		S1 : $((h+h1)(a-a1)+(a1xh))/2$	
h7		S2 : $(cxh2)/2$	
c		S3 : $2/3 c3xh3$	
h2	0,000	S4 : $(c4xh4)/2$	
c4		S5 : $2/3 c5xh5$	
h4	0,000	S6 : $2/3 c6xh6$	
c6	0,000	S7 : $2/3 axh7$	
h6	0,000	S8 : $2/3 bxh8$	
c5		S9 : $(b*h9)/2$	
h5	0,000	S10 : $((b10*h10)/3)^2$	
c3		S11 : $((b11*h11)/3)^2$	
h3		S12 : $-(b11*h12)/2$	
h		Main Sail AREA	0,000
b			
h8	0,000	Mast area / Surf. Du mât :	1,716
a1		Total AREA	1,716
h1	0,000		

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

G.3.5 DIMENSIONS

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

B.2 CERTIFICATION MARKS F18

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

Certification control carried by	Date
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