



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



IDENTIFICATION

Boat Certificate n°	<input type="text" value="FRA 2018-003-M001"/>	National letters & Sail N° :	<input type="text" value="FRA 218"/>	WS N° :	<input type="text" value="1 143"/>
Hulls N° / N° coques :	<input type="text" value="FR BCMR2217E818"/>	Hulls N° / N° coques :	<input type="text" value="FR BCMR2217E818"/>		
Brand of boat :	<input type="text" value="CIRRUS R2"/>	Date manufactured :	<input type="text" value="2018"/>		

OWNER

owner / propriétaire :

Address / adresse :

Zip code / CP : City / ville :

Country / Pays : E-mail :

MEASURES & DESCRIPTION OF THE PLATFORM

C.6.1.(a) (1) Weight of the platform :	<input type="text"/>	130 kg maximum
C.6.1.(b) (1) Weight boat ready to sail :	<input type="text"/>	180 kg maximum
C.6.2.(a) Corrector weight	<input type="text"/>	7 kg maximum
D.6.2.(a) Hull length / Longueur coque	<input type="text" value="5,52 m"/>	5,52 m maximum
D.6.2.(b) Boat beam / Largeur plateforme	<input type="text" value="2,60 m"/>	2,60 m maximum
C.7.1.(b) Inspection hatches / trappes	Minimum 1 per hull <input type="text"/>	
D.3.1.(a) Material	<input type="text"/>	
D.5.1.(a) Trampoline material	<input type="text"/> Netting is not permitted	
B.1.1.(c) have valid certification mark is required :	Port side hull <input type="checkbox"/>	starboard side hull <input type="checkbox"/>

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 :	CIRRUS R2	

C.5 PORTABLE EQUIPMENT

C.5.1(a)1 One righting line	<input type="text"/>	Minimum 4m. long
	<input type="text"/>	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 length	<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 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.	<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 stainless 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 :	CIRRUS R2		

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 1.2(d)(2) maximum 3
Material / Matériau :	

h1		$S1=((h+h1)x(a-a1))/2$	0,000
a	0,000	$S2=(hxa1)/2$	0,000
h7	0,000	$S7=((axh7)/3)^2$	0,000
c		$S10 = 2/3bxh10$	0,000
h11		$S11 = 2/3 cxh11$	0,000
h			
a1		JIB AREA Small Jib 3,60m2 Large Jib 4,30m2	
b			
h10	0,000		

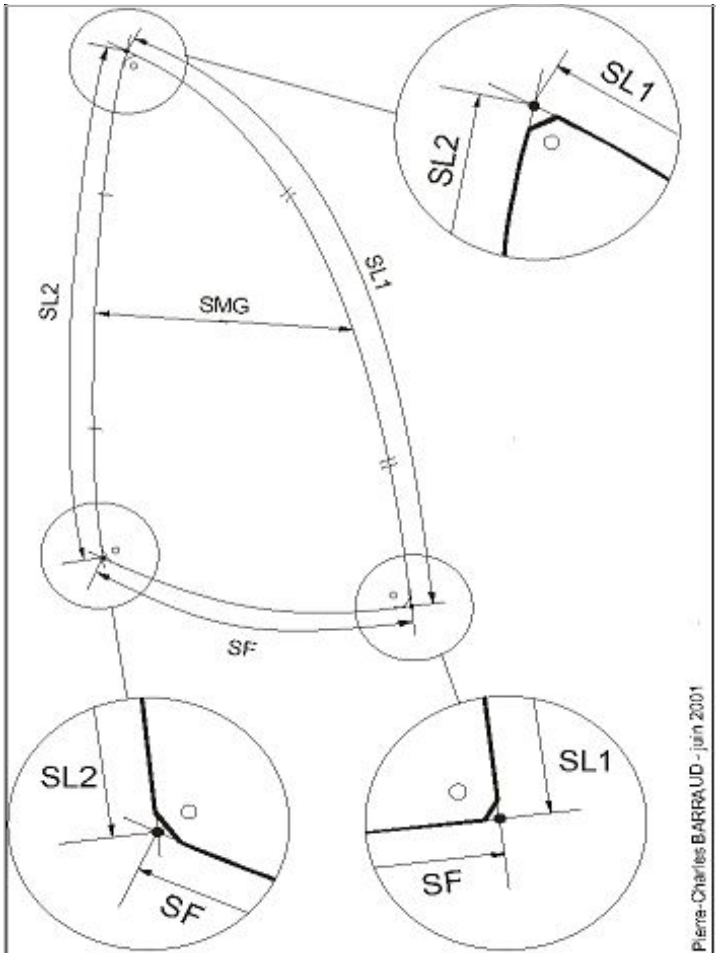
G.4.2 Construction & G.4.3 Dimensions	
The Leech shall not be convex	Max
Top width	50mm
Batten width	40mm
Batten pocket outside width	80mm
Window area : minimum : 0,30 m2	
Dacron sticker F18 Small Jib 3,60m2	<input type="checkbox"/>
Dacron sticker F18 Large Jib 4,30 m2	<input type="checkbox"/>

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	Spinnaker AREA	75,73
SL2	7,640		20,625
SMG	2,840		
SF	3,750		
Dacron sticker F18 spinnaker 19,00 m2			<input type="checkbox"/>
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 :	CIRRUS 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			Max 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

Bernard Marcellin

30/05/2020

Certification Authority