

INTERNATIONAL VAURIEN CLASS MEASUREMENT FORM

Authority: ISAF, Ariadne House, Town Quay, Southampton, Hampshire

1. To obtain a Measurement Certificate, refer to the current class Rules noting particularly that:

- (a) the Measurement Form must be submitted to the National Authority,
- (b) the measurer is recognised by the National Authority to measure International Vaurien,
- (c) the sailnumber has been correctly issued by the International Vaurien Class Association.

Sail number:

Name of builder:

Date of completion:

Constructed of (state materials):

2. General notes for measurers:

- (a) The boat shall conform to all class Rules, even if some of the Rules are not mentioned on the Measurement Form.
- (b) If the measurer feels the slightest doubt concerning the accuracy of any part of the boat, he shall report it on the Measurement Form and send it to the National Authority.
- (c) All measurements are in millimetres unless stated otherwise.
- (d) Lengths shall be measured parallel to the baseline of the boat, widths perpendicular to the baseline athwartship, heights and depths perpendicular to the baseline in the other direction.
Measurements from transom shall be measured from the plane perpendicular to the baseline and containing the intersection of the transom with the keelline.
- (e) Masses are in kilograms and are measured by usual weighing scales.
- (f) Volumes are in cubic metres and areas in square metres.
- (g) Fittings are in number.

3. Diagrams

The appended Diagrams form an integral part of the Measurement Form. In the event of an discrepancy between the Diagrams and the Measurement Form, the latter shall prevail.

HULL IN NATURAL POSITION (upright)

No	Position	Min	Max
1	Distance between aft side of transom and forward side of notch in mast thwart	2705	2735
2	Length overall	4060	4100
3	Distance between forward side of notch in mast-thwart and centre of hole forestay fitting	1175	1185
4	Distance between transom and intersection of coamings	3380	3420
5	Distance between transom and aft side of centreboard case	2065	2095
6	Distance of chainplates for shrouds from transom	2250	2320
7	Internal length of centreboard case	350	360
8	Width of centreboard slot ⁷⁾	18	28
9	Height of upper edge of centreboard case and upper side of main thwart above of external keel	324	334
10	Beam(from sheerline to sheerline excluding thickness of rubbing strakes) at transom	1030	1050
11	Beam at section 4	1444	1464
12	Beam at section 2	1262	1282
13	Distance between transom and aft end of coamings	2550	2650
14	Width of deck at transom	120	140
15	Width of deck at section 4	150	170
16	Width of deck at section 2	180	200
17	Width of notch in mast thwart		70
18	Distance of holes in mast thwart from centreline	35	
19	Length of mast thwart forward of notch	70	
20	Depth of mast thwart at notch from sheerline	11	21
21	Length of mast thwart aft of the forward leading edge of the mast notch ⁷⁾	100	
22	Length of main thwart	150	
23	Notches in main thwart and as permitted		4

No	Position	Min	Max
24	Sidebenches		
24a	Width of side benches	150	
24b	Side benches rounding off radius 3)		150
24c	No part of main sheet turning device shall be above the upper face of side benches 3)	yes	no
25	Length of side benches	1060	
26	Depth of side benches from main thwart upper face	0	25
27	Volume of primary buoyancy apparatus	0,360	
28	Volume of forward buoyancy apparatus	0,100	
29	Volume of secondary buoyancy when necessary	0,100	
30	Dimensions of transom drainage ports:		
30a	-minimum diameter	30	
30b	-maximum dimension		120
31	Height of coamings from deck at boats centreline	20	
32	Height of coamings at 50 mm from sheerline	5	
33	Do rubbing strakes comply with dimensions when placing the template according the paragraph d) of MF ⁴⁾	yes	no
34	Control of stem sections with templates Templates for checking stem at foredeck and waterline levels will be complemented by stating minima radii an angles ¹⁾	yes	no
35	Height of stem	505	515
36	All up mass of a fully rigged boat	95	
37	A template 250mm wide with two legs 50mm high over the cockpit floor checking will be used for checking this minimum dimension between buoyancy tanks. ¹⁾	250	
38	Hull mass ³⁾ Hull measured with correctors, if any, buoyancy bags, if any and with all apparatuses and fittings permanently fastened to the hull, but without spars, rigging, centreboard, rudder and tiller, sails and sheets ³⁾	73	

No	Position	Min	Max
41	Centre of gravity ³⁾		
41a)	Percentage of MF no. 38, when the hull is weighed placed on a triangular section support under section 4 and the stem placed and a balance (see diagram) ³⁾	20%	
41b)	Percentage of MF No. 38, when the hull is weighed turned on its side, placed on a support 1000 mm long, having two legs on the floor at one end and a single keg on a balance at the other end (see diagram)	22%	
46	Reserved		
47	Correctors if any:		
47a	Mass (total)		3
47b	Position (description of location):		
47c	Number	2	2

HULL UPSIDE DOWN

51	Distance between aft of centreboard slot and aft side of transom	2015	2045
52	Distance between stem excluding external keel and transom	4005	4045
53	Difference (2 - 52)	50	55
54	Distance between chines in a straightline, at transom	862	882
55	Distance between chines at section 4	1144	1164
56	Distance between chines at section 2	866	886
57	Distance between keel and baseline at transom ⁴⁾	155	155
58	Distance between keel and baseline at section 4 ⁴⁾	58	68
59	Distance between keel and baseline at section 2 ⁴⁾	70	80
60	Distance between keel and baseline at stem (excluding external keel) ⁴⁾	155	155
61	Height of chines above keel at transom	93	103
62	Distance between chine and sheerline at transom	224	234
63	Distance between chine and sheerline at section 4	427	437
64	Distance between chine and sheerline at section 2	524	534
65	Tolerance on straight line for measurement 56		2

No	Position	Min	Max
66	Tolerance on straight line for measurement 62		2
67	Tolerance on straight line for measurement 63		2
68	Tolerance on straight line for measurement 64		3
69	Length of bilge keels	1180	
70	Control of bilge keels with template ³⁾	yes	no
71	Control of skeg with template The template used for the control of the skeg will be complemented by checking the negative tolerance of 5 mm with a 5 mm wedge. ¹⁾	yes	no
72	Control of transom bottom with template	yes	no
73	Control of external keel ³⁾		
73a	Width of external keel against hull bottom ⁵⁾	52	95
73b	Width of external keel bottom face ³⁾	32	
73c	Depth of external keel ³⁾	28	
74a	Control of exposed edge rounding off radius ⁷⁾		10
74b	Control of exposed edge angle chamfers ⁷⁾		14

CENTREBOARD

101	Thickness	18	
102	Fairing		80
103	Does centreboard comply with dimensions?	yes	no

RUDDER AND RUDDERBLADE

111	Thickness	18	22
112	Fairing		80
113	Does rudder comply with dimensions?	yes	no
114	Distance of fore part of rudderblade from transom ⁴⁾	30	40
115	Is the intersection of the leading edges of the rudder blade level with the water-line (CWL) ⁴⁾ ?	yes	no
116	Control of fixing of rudderblade in downwards position	yes	no

No	Position	Min	Max
MAST			
150	The lower edge of mast thwart measurement band no 1 can not be higher than the upper face of the mast thwart.		
151	Overall height		6300
152	Cross section dimensions	46	
153	Height of upper edge of measurement band no 2 above lower edge of mast thwart measurement band no 1	606	606
154	Height of spreaders above lower edge of mast thwart measurement band no 1	2179	2233
155	Height of shroud and forestay fixing point above lower edge of mast thwart measurement band no 1 3)	4106	4149
156	Distance of spinnaker halyard turning point from fore face of mast		100
157	Height of spinnaker halyard turning point on mast front above lower edge of mast thwart measurement band no 1	4130	4222
158	Distance between upper edge of measurement band no 2 and lower edge of measurement band no 3		5100
159	Maximum distance without groove above upper edge of measurement band no 2		300
160	Distance of spinnaker boom fitting from foreface of mast		40
161	Mass of mast fully rigged (metallic only) .	7	
RIGGING			
171	Is running rigging outside the mast?	yes	no
172	Diameter of shrouds and forestay		
172A	-Stainless	2,5	
172B	-Galvanised	3	
173	Diameter of wire rope halyards	2,5	
174	Distance of highest halyard guiding conduit from lower edge of mast thwart measurement band no 1		3400

No	Position	Min	Max
BOOM			
181	Overall length		2600
182	Cross sectional dimensions:		
182A	-Width	32	
182B	-Height including groove or track		90
183	Distance between prolongation of aft side of mast and inner edge of measurement band		2200
184	Deleted ⁷⁾		
SPINNAKER BOOM			
191	Overall length ⁸⁾		1750
192	Cross sectional dimensions at mid-length	25	
193	deleted ⁴⁾		
MAINSAIL			
201	Deleted ⁸⁾		
202	Deleted ⁸⁾		
203	Deleted ⁸⁾		
204	Deleted ⁸⁾		
205	Deleted ⁸⁾		
206	Deleted ⁸⁾		
207	Deleted ⁸⁾		
208	Deleted ⁸⁾		
209	Deleted ⁸⁾		
210	Deleted ⁸⁾		
211	Deleted ⁸⁾		
212	Deleted ⁸⁾		
HEADSAIL			
221	Deleted ⁸⁾		
222	Deleted ⁸⁾		
223	Deleted ⁸⁾		
224	Deleted ⁸⁾		
225	Deleted ⁸⁾		
226	Deleted ⁸⁾		
227	Deleted ⁸⁾		
228	Deleted ⁸⁾		
229	Deleted ⁸⁾		
230	Deleted ⁸⁾		
230A	Deleted ⁸⁾		
230B	Deleted ⁸⁾		

No	Position	Min	Max
SPINNAKER			
241	Deleted ⁸⁾		
242	Deleted ⁸⁾		
243	Deleted ⁸⁾		
244	Deleted ⁸⁾		
245	Deleted ⁸⁾		
246	Deleted ⁸⁾		
247	Deleted ⁸⁾		
FITTINGS			
301	Chainplates or similar for shrouds and forestay	3	3
302	Chainplates or similar for main sheet at transom	2	4
303	Fairleads	2	
304	Cleats or similar	2	3
305	Sheaves, single or assembled in blocks ⁷⁾	6	18
306	Reserved		
307A	Cleats (clam and/or moveable with or without conduit)	4	13
307B	id. if a ratchet block is used	2	11
308	Toe straps	2	
309	Transom drainage ports	1	2
310	Compass		1
311	Self bailers		2
321	Pintles and/or gudgeons on transom and rudder	4	4
322	Downward fixing device for rudder blade	1	
323	Fixing device for tiller	1	
324	Lifting device for centreboard		1
325	Row locks		2
331	Gooseneck	1	1
332	Spreaders with fittings		2
333	Fitting for spinnaker boom on foreface of mast	1	1
334	Kicking strap on mast and boom	1	1

No	Position	Min	Max
335	Outhaul for mainsail on boom		1
336	Spinnaker boom end fittings	2	2
337	Spinnaker boom middle fitting	1	1
338	Hooks		7
339	Swivels		4
340	Sheets	2	
341	Lever		1
342	Spinnaker containers		2

MAINSAIL ⁸⁾

No	Position	Min	actual	Max
401	Leech length	5100 mm		5350 mm
402	Three-quarter width			1050 mm
403	Foot length			2200 mm
404	Primary reinforcement			305 mm
405	Secondary reinforcement			915 mm
406	Flutter patch			120 mm
407	Chafing patch			300 mm
408	Batten pocket patch			175 mm
409	Tabling width			30 mm
410	Distance from clew point to foot bolt rope			300 mm
411	Distance from tack point to foot bolt rope			300 mm
412	Diameter of boltrope			7 mm
413	Seam width			30 mm
414	Window area (m ²)			0,15 m ²
415	Window to sail edge	150 mm		
416	Extension of headboard from head point			150 mm
	Outside batten pocket length:			
417	Quarter leech point pocket			700 mm
418	Half leech point pocket			700 mm
419	Outside batten pocket width			40 mm
420	Distance from Head point to intersection of leech and centreline of of upper leech point batten pocket for sails with 4 battens	450 mm		500 mm
421	Distance from head point to intersection of luff and centreline of upper leech point batten pocket for sails with 4 battens			350 mm
422	Distance from head point to intersection of luff and centreline of three-quarter leech point batten pocket	1200 mm		1250 mm

No	Position	Min	actual	Max
423	Distance from the intersection of the centreline of the three-quarter leech point batten pocket to three-quarter leech point			40 mm
424	Distance from the intersection of the centreline of the half leech point batten pocket to half leech point			40 mm
425	Distance from the intersection of the centreline of the quarter leech point batten pocket to quarter leech point			40 mm

HEADSAIL ⁸⁾

No	Position	Min	actual	Max
501	Luff length			3750 mm
502	Leech length			3400 mm
503	Foot length			1650 mm
504	Half width			850 mm
505	Top width			50 mm
506	Foot irregularity			10 mm
507	Primary reinforcement			260 mm
508	Secondary reinforcement			780 mm
509	Chafing patch			300 mm
510	Window area			0,15 m ²
511	Distance from window to sail edge	150 mm		
512	Luff wire diameter	2,5 mm		
513	Seam width			30 mm
514	Tabling width			30 mm

SPINNAKER ⁸⁾

No	Position	Min	actual	Max
601	Leech length			4000 mm
602	Foot length			2400 mm
603	Upper width at upper leech points			30 mm
604	Half width			2650 mm
605	Primary reinforcement			260 mm
606	Secondary reinforcement			780 mm
607	Tabling width			30 mm
608	Seam width			30 mm

- 1) Changed to 01. March 1992
- 2) Changed to 01. March 1993
- 3) Changed to 01. March 1995
- 4) Changed to 01. March 1997
- 5) Changed to 01. March 2002
- 6) Changed to 01. March 2004
- 7) Changed to 25. September 2007
- 8) Changed to 01. August 2008