Int. Finn Class Measurement Form

19 June 2009

INTERNATIONAL FINN CLASS MEASUREMENT FORM
2009 Edition
To be used in conjunction with the Class Rules and the Measurement Certificate (Hull and Centreboard)

ISAF Sticker Number 3675

Official Measurer for Section D (hull with centreboard)			
Date	Please Print Name	Signature	Appointed by
05.02.2010	MARCIN OWCZARKIEWICZ		MARCIN OWCZARKIEWICZ MIERNICZY PZŻ

Official Measurer for the centreboard (Sections E.1 and E.2 except E.2.5 (b))			
Date	Please Print Name	Signature	Appointed by
05.02.2010	MARCIN OWCZARKIEWICZ		MIERNICZY PZŻ

Hull Templates						
Identifier	0	2	4	6	8	Stem
	DS1	DS1	DS1	DS1	DS1	DS1

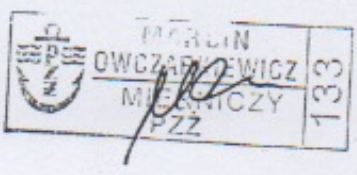
IDENTIFICATION AND GENERAL			
Item	**Rule**	**Entry**	**Requirement**
ISAF Sticker attached to hull	D.2.4	3675	Enter number, (also at top of form)
Other Identifiers		PL-DSLDB005A108	Number & Place of numbers moulded in hull etc
Boat complete as for Swing Test	D.9.2 (a)	COMP	Complies

HULL BOTTOM UP					
Item	Rule	< (min)	Entry	< (max)	Requirement
Hull length	D.9.1	4480<	4504	<4510	Number, mm
Transom forward of Station 0:	"		1	<5	Number, mm
No hollows, knuckles or chines	D.3.2 (e),(f)		COMP		"Complies"
Baseline below hull shell: at station 1	D.9.1 & diagrams	147<	154	<157	Number, mm
at station 2	D.9.1	99<	108	<119	Number, mm
at station 4	"	35<	40.5	<55	Number, mm
at station 6	"	6<	10	<26	Number, mm
Stem profile (outside stem band) to template:	D.9.1 & diagram		5	<10	Number, mm
Sheer above position marked on stem template:	D.9.1 & diagram	-10<	-5	<+10	+ Number means more freeboard
Keel band and Stem band construction	D.8 & diagram		COMP		"Comply"
Keel band Section radius	D.9.1	6, half round<	6.5		Number, mm
Stem band (for'd of Section 8) radius	"	6<	6.5		Number, mm
Centreboard case construction	D.3.2 (c)(d)(e)		COMP		"Complies"
Centreboard Case slot width	D.9.1	8<	8.3	<12	Number, mm
Centre of centreboard pivot pin above underside of keel	"	40<	48.	<50	Number, mm
Fore and aft adjustment for centreboard pivot pin	"		20	<20	Number, mm

SECTION TEMPLATES							
Item	Rule	Entry					Requirement
		< (min)	Port	< (max)	< (min)	Starboard	< (max)	
Hull shell to hull template: at station 0	D.9.1 & diagram	9		<10	9		<10	Number, mm
at station 2	"	8.5		<10	8.5		<10	Number, mm
at station 4	"	9.5		<10	9.5		<10	Number, mm
at station 6	"	8		<10	7.5		<10	Number, mm
at station 8	"	7.5		<10	7.5		<10	Number, mm
Sheerline above position marked on template: at station 0	D.9.1 & diagram	-10<	-9	<+10	-10<	-9	<+10	+ Number means more freeboard
at station 2	"	-10<	0	<+10	-10<	-2	<+10	Number, mm
at station 4	"	-10<	0	<+10	-10<	0	<+10	Number, mm
at station 6	"	-10<	-5	<+10	-10<	+1	<+10	Number, mm
at station 8	"	-10<	-8	<+10	-10<	-9	<+10	Number, mm

DECK AND COCKPIT					
Item	Rule	< (min)	Entry	< (max)	Requirement
Deck General Arrangement	D.4.1		COMP		"Complies"
Length of foredeck	D.9.1 & diagram	1350<	1355	<1450	Number, mm
Length of aft deck		550<	550	<650	Number, mm
Distance between side decks or built in tanks and the centreplane: at station 2	D.4, diagram & D.9.1	410<	440		**Minimum Half-width** Number, mm
at station 3	"	500<	502		Number, mm
at station 4	"	490<	494		Number, mm
at station 5	"	440<	464		Number, mm
Distance between side decks or built in tanks and the centreplane, at some point between the **sheerline** and 100 mm below the **sheerline:** At Station 2	D.4, diagram & D.9.1		452	<520	**Maximum Half-width** Number, mm
at station 3	"		513	<560	Number, mm
at station 4	"		502	<550	Number, mm
at station 5	"		472	<500	Number, mm
Top of the deck at centreplane above the **sheer** at station 0	"	45<	45	<55	Number, mm
Top of the deck at centreplane above a straight line between the stemhead and station 0	D.4, diagram & D.9.1	-10<	COMP	<+10	"Complies"
Pads or recesses to mount or locate fittings	D.4.1 (d), D.9.1	-10<	0	<+10	"Complies"

DECK AND COCKPIT DETAILS					
Item	Rule	< (min)	Entry	< (max)	Requirement
Number of buoyancy units	D.5.2	4<	4		Number, "Complies"
Construction of buoyancy units	D.5.2		COMP		"Complies"
Buoyancy Inspection and Testing	D.5.3 D.9.1		SATISF.		Details of any tests carried out. "Satisfied".
Gunwale Rubbing Strakes	D.6 & diagram, D.9.1		COMP		"Complies"
G.R.S. depth (down from the sheerline around the hull)		20<	24	<35	Number, mm
" width (at a right angle to the shell)		20<	25	<25	Number, mm



DECK AND COCKPIT DETAILS					
Item	Rule	(min) <	Entry	< (max)	Requirement
Floorboard/Double Bottom construction	D.7		COMP		"Complies"
Width of floorboards at station 2	D.7, D.9.1	800<	850		Number, mm
at station 3	"	880<	873		Number, mm
at station 4	"	720<	858		Number, mm
Floorboards or double bottom below sheer at station 2	D.7, D.9.1	285<	285		Number, mm
at station 3	"	325<	330		Number, mm
at station 4	"	375<	375		Number, mm
(if fitted) at station 5	"	375<	406		Number, mm
(if fitted) at station 6	"	390<	481		Number, mm
Thwart thickness	D.9.1	16<	22	<26	Number, mm
" width	"	70<	70	<80	Number, mm
" aft side forward of station 4	"	-10<	-5	<50	Number, mm
Top of thwart below sheer	"		94	<130	Number, mm
Overall width of centreboard case	"		94	<100	Number, mm
Mainsheet traveller block: Travel from centreplane of boat	"		520	<550	Number, mm
Travel forward of station 4	"		80	<150	Number, mm
Distance from mast heel to underside of keel band	"		51	<56	Number, mm
Mast bearing surface above deck	"		0	<10	Number, mm
Horizontal play in mast bearings (not play between mast and bearing)	"	Upper	4 <5	Lower 5 <5	Number, mm
Fittings to have a reasonable weight	C.7.3 (e) (4)		COMP		"Complies"
Fittings information recorded on certificate if necessary	C.7.3 (e) (5)		N/A		"Entered" or "N/A"

TRANSOM DETAILS					
Item	Rule	(min) <	Entry	< (max)	Requirement
Holes, Number & Diameter	D.9.1		COMP		"Complies"
Bearing at Pintle above **hull datum point**	"	52<	54	<57	Number, mm
Bearing at Gudgeon above **hull datum point**	"	262<	267	<267	Number, mm
Axis of Pintle aft of Station 0 (α)	"	10<	21	<30	Number, mm
Axis of Gudgeon aft of Stn. 0 (β)	"	10<	20	<30	Number, mm
Difference between (α) and (β)	"	0<	1	<2	Number, mm
Dia. of Pintle & Gudgeon Hole	"	7.9<	8.0	<8.1	Number, mm

CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard identifying number	E.2.2 (a)		444		Number
Centreboard materials	E.2.3		COMP		"Complies"
Centreboard arm complies with diagram requirements	E.2.5 (a) & diagram		COMP		"Complies"
Centreboard large radius	"	885<	886	<895	Number, mm
" small radius	"	30<	31	<40	Number, mm
" chord length	"	815<	824	<825	Number, mm
" nominal thickness	"	8<	8	<8	Number, mm
" edge shaping distance	"		24	<25	"Complies"
Centreboard Mass including buffer stop	E.2.4 (a)(1) E.2.6	11·0<	12.5	<13·0	Number, kg
Certification mark fixed, signed & dated	E.2.2		COMP		"Complies"

HULL WITH CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard hole diameter larger than pivot pin diameter	E.2.5 (b)		1	<2	Number, mm
Centreboard theoretical reference point below hull shell	"		688	<700	
Hull datum point to centreboard (pivot pin at maximum aft position)	"	2050<	2060		
Centreboard projection below hull shell when fully raised	"		NONE		"None"
Centreboard Certification Mark details and number entered on Measurement Certificate (Hull and Centreboard)	D.2.1		ENT.		"Entered"
Correct condition for weighing	D.9.2 (a)		COMP		"Complies"
Mass of hull and centreboard	D.9.2 (b)	116·0<	116.1		Number, kg
Mass of correctors	D.9.4 (b)		2.75	<5·00	Number, kg
Period of oscillations	D.9.3(b)(iii)	T_1 3.131	T_2 3.577		sec, 3 decimals
Distance λ from Stn 0 to C of G	D.9.3 (c)	2100<	2110	<2290	Number, mm
C of G above underneath of hull	"	210<	234		Number, mm
Radius of gyration ρ	"	1100<	1102		"Complies"
Corrector weights securely fastened	D.9.4 (a)		COMP		"Complies"
Corrector and other weight details entered on certificate	D.9.4 (b)		ENT.		"Entered"

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