INTERNATIONAL FINN CLASS MEASUREMENT FORM
2011 Edition
To be used in conjunction with the Class Rules and the Measurement Certificate (Hull and Centreboard)

ISAF Sticker Number 3331

Official Measurer for Section D (hull with centreboard)			
Date	Please Print Name	Signature	Appointed by
21.01.2012.	NÉMETH, Miklós		IFA; HYA

Official Measurer for the centreboard (Sections A, B, C, D.2 except E.2.5 (b))			
Date	Please Print Name	Signature	Appointed by
21.01.2012.	NÉMETH, Miklós		IFA; HYA

Hull Templates						
Identifier	0	2	4	6	8	Stem
	M1	M1	M1	M1	M1	M1

IDENTIFICATION AND GENERAL			
Item	**Rule**	**Entry**	**Requirement**
ISAF Sticker attached to hull	D.2.4	3331	Enter number, (also at top of form)
Other Identifiers		GB PWL 00365 L 107	Number & Place of numbers moulded in hull etc
Boat complete as for Swing Test	D.9.2 (a)	Complies	"Complies"
Hull Materials	D.3.1	GRP, Complies	Description/ "Complies"
Hull Construction	D.3.2 & diagrams	Complies	"Complies"

HULL BOTTOM UP					
Item	Rule	< (min)	Entry	< (max)	Requirement
Hull length	D.9.1	4480<	4502	<4510	Number, mm
Transom forward of Station 0:	"		0	<5	Number, mm
No hollows, knuckles or chines	D.3.2 (e),(f)		Complies		"Complies"
Baseline below hull shell: at station 1	D.9.1 & diagrams	147<	151	<157	Number, mm
at station 2	D.9.1	99<	105	<119	Number, mm
at station 4	"	35<	38	<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<	0	<+10	+ Number means more freeboard
Keel band and Stem band construction	D.8 & diagram		Comply		"Comply"
Keel band Section radius	D.9.1	6, half round<	6		Number, mm
Stem band (for'd of Section 8) radius	"	6<	6		Number, mm
Centreboard case construction	D.3.2 (c)(d)(e)		Complies		"Complies"
Centreboard Case slot width	D.9.1	8<	8,5	<12	Number, mm
Centre of centreboard pivot pin above underside of keel	"	40<	44	<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		6	<10		6	<10	Number, mm
at station 2	"		5	<10		7	<10	Number, mm
at station 4	"		7	<10		5	<10	Number, mm
at station 6	"		7	<10		7	<10	Number, mm
at station 8	"		6	<10		5	<10	Number, mm
Sheerline above position marked on template: at station 0	D.9.1 & diagram	-10<	-5	<+10	-10<	-7	<+10	+ Number means more freeboard
at station 2	"	-10<	1	<+10	-10<	0	<+10	Number, mm
at station 4	"	-10<	0	<+10	-10<	-2	<+10	Number, mm
at station 6	"	-10<	0	<+10	-10<	0	<+10	Number, mm
at station 8	"	-10<	0	<+10	-10<	-1	<+10	Number, mm

DECK AND COCKPIT					
Item	Rule	< (min)	Entry	< (max)	Requirement
Deck General Arrangement	D.4.1		Complies		"Complies"
Length of foredeck	D.9.1 & diagram	1350<	1385	<1450	Number, mm
Length of aft deck		550<	570	<650	Number, mm
Distance between side decks or built in tanks and the centreplane: at station 2	D.4, diagram & D.9.1	410<	434		**Minimum Half-width** Number, mm
at station 3	"	500<	506		Number, mm
at station 4	"	490<	496		Number, mm
at station 5	"	440<	448		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		453	<520	**Maximum Half-width** Number, mm
at station 3	"		520	<560	Number, mm
at station 4	"		510	<550	Number, mm
at station 5	"		445	<500	Number, mm
Top of the deck at centreplane above the **sheer** at station 0	"	45<	51	<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<	Complies	<+10	"Complies"
Pads or recesses to mount or locate fittings	D.4.1 (d), D.9.1	-10<	Complies	<+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		Complies		"Complies"
Buoyancy Inspection and Testing	D.5.3 D.9.1				Details of any tests carried out. "Satisfied".
Gunwale Rubbing Strakes	D.6 & diagram, D.9.1		Complies		"Complies"
G.R.S. depth (down from the sheerline around the hull)		20<	23	<35	Number, mm
" width (at a right angle to the shell)		20<	22	<25	Number, mm

DECK AND COCKPIT DETAILS						
Item	Rule	(min) < Entry < (max)				Requirement
Floorboard/Double Bottom construction	D.7	Complies				"Complies"
Width of floorboards at station 2	D.7, D.9.1	800<	820			Number, mm
at station 3	"	880<	955			Number, mm
at station 4	"	720<	941			Number, mm
Floorboards or double bottom below sheer at station 2	D.7, D.9.1	285<	302			Number, mm
at station 3	"	325<	336			Number, mm
at station 4	"	375<	375			Number, mm
(if fitted) at station 5	"	375<	392			Number, mm
(if fitted) at station 6	"	390<	—			Number, mm
Thwart depth	D.9.1	16<	18	<50		Number, mm
" width	"	70<	75	<80		Number, mm
" aft side forward of station 0	"	1950<	2000	<2050		Number, mm
Top of thwart below sheer	"		114	<130		Number, mm
Overall width of centreboard case	"		85	<100		Number, mm
Mainsheet traveller block: Travel from centreplane of boat	"		514	<550		Number, mm
Travel forward of station 4	"		75	<150		Number, mm
Distance from mast heel to underside of keel band	"		55	<56		Number, mm
Mast bearing surface above deck	"		0	<10		Number, mm
Horizontal play in mast bearings (not play between mast and bearing)	"	Upper	0	<5	Lower 3 <5	Number, mm
Fittings to have a reasonable weight	C.7.3 (e) (4)	Complies				"Complies"
Fittings information recorded on certificate if necessary	C.7.3 (e) (5)	Entered				"Entered" or "N/A"

TRANSOM DETAILS					Requirement
Item	Rule	(min) < Entry < (max)			
Holes, Number & Diameter	D.9.1	Complies			"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<	30	<30	Number, mm
Axis of Gudgeon aft of Stn. 0 (β)	"	10<	30	<30	Number, mm
Difference between (α) and (β)	"	0<	0	<2	Number, mm
Dia. of Pintle & Gudgeon Hole	"	7.9<	8,1	<8.1	Number, mm

CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard identifying number	E.2.2 (a)	HYA № 4057			Number
Centreboard materials	E.2.3	Complies			"Complies"
Centreboard arm complies with diagram requirements	E.2.5 (a) & diagram	Complies			"Complies"
Centreboard large radius	"	885<	895	<895	Number, mm
" small radius	"	30<	31	<40	Number, mm
" chord length	"	815<	825	<825	Number, mm
" nominal thickness	"	8<	8	<8	Number, mm
" edge shaping distance	"		21	<25	"Complies"
Centreboard Mass including buffer stop	E.2.4 (a)(1) E.2.6	11·0<	12,40	<13·0	Number, kg
Certification mark fixed, signed & dated	E.2.2	Complies			"Complies"

HULL WITH CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard hole diameter larger than pivot pin diameter	E.2.5 (b)		0,5	<2	Number, mm
Centreboard theoretical reference point below hull shell	"		700	<700	
Hull datum point to centreboard (pivot pin at maximum aft position)	"	2050<	2053		
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		Entered		"Entered"
Correct condition for weighing	D.9.2 (a)		Complies		"Complies"
Mass of hull and centreboard	D.9.2 (b)	116·0<	116,0		Number, kg
Mass of correctors	D.9.4 (b)		4,882	<5·00	Number, kg
Period of oscillations	D.9.3(b)(iii)	T_1 3,221	T_2 3,638		sec, 3 decimals
Distance λ from Stn 0 to C of G	D.9.3 (c)	2100<	2 100	<2290	Number, mm
C of G above underneath of hull	"	210<	222		Number, mm
Radius of gyration ρ	"	1100<	1108		"Complies"
Corrector weights securely fastened	D.9.4 (a)		Complies		"Complies"
Corrector and other weight details entered on certificate	D.9.4 (b)		Entered		"Entered"

MEASUREMENT CERTIFICATE

This is page 2 of the certificate required under ISAF RRS 78

INTERNATIONAL FINN CLASS

Identification and Certification (Hull and Centreboard)

SAIL N°
(Rule A.10.2)

ISAF Sticker No	3931	Builder	ANTAL G. "PATA"
Other Hull Identifying Numbers	GB PWL 00369 L 107	Date completed	21.01.2012.
Date of this measurement	21.01.2012.	Date of first measurement	21.01.2012
Corrector weights Position 60 mm Amount 0,834 kg	(Include dist from Stn.0) 1550 mm Amount 0,864 + 0,861 = 1,725 kg	Position 3010 mm 0,321 + 0,203 + 0,203 + 1,007 = Amount 2,314 kg	Position Amount kg
Fittings etc. such as Compass (not Digital), Hiking pads. Item weight not required. Hiking wedges + pad			
Centreboard Certification Mark and Unique Number	HYA № 4097	Weight of hull plus centreboard	11,60 kg
Weight of Centreboard	12,40 kg	λ from Stn 0 to C of G	2,100 mm
T_1	3,221 sec	**d** (App.H.3)	850 mm
T_2	3,638 sec	**a** (App.H.3)	628 mm
Radius of gyration ρ	1,108 mm	**h** CG above underneath of hull	222 mm
Official Measurer (Please print)	NÉMETH, Miklós	Appointed by	MEASURER 12 OFFICIAL HUNGARIAN YACHTING ASSOCIATION
Hull and Centreboard comply with **fundamental measurement** requirements.		Official Measurer (Please sign)	

Registered by Certifying Authority:

Stamp and date of registration

OWNER

Name
Address

City
Code
Nation

Club

Please use Black Ink

19 June 2009