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 4416

Official Measurer for Section D (hull with centreboard)			
Date	Please Print Name	Signature	Appointed by
25.05.2016	Marcin Owczarkiewicz		POLISH YACHTING ASSOCIATION 21 Marcin Owczarkiewicz Ul. Nowowiejska 22b/4, 58-200 Dzierżoniów tel. 504 174 804 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
25.05.2016	Marcin Owczarkiewicz		POLISH YACHTING ASSOCIATION 21 Marcin Owczarkiewicz Ul. Nowowiejska 22b/4, 58-200 Dzierżoniów tel. 504 174 804 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	4416	Enter number, (also at top of form)
Other Identifiers		CZ-DSLDF031E615	Number & Place of numbers moulded in hull etc
Boat complete as for Swing Test	D.9.2 (a)	COMP.	"Complies"
Hull Materials	D.3.1	COMP.	Description/ "Complies"
Hull Construction	D.3.2 & diagrams	COMP.	"Complies"

HULL BOTTOM UP					
Item	Rule	< (min)	Entry	< (max)	Requirement
Hull length	D.9.1	4480<	4508	<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<	155	<157	Number, mm
at station 2	D.9.1	99<	115	<119	Number, mm
at station 4	"	35<	53	<55	Number, mm
at station 6	"	6<	25	<26	Number, mm
Stem profile (outside stem band) to template:	D.9.1 & diagram		6	<10	Number, mm
Sheer above position marked on stem template:	D.9.1 & diagram	-10<	-10	<+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<	6.0		Number, mm
Stem band (for'd of Section 8) radius	"	6<	6.0		Number, mm
Centreboard case construction	D.3.2 (c)(d)(e)		COMP.		"Complies"
Centreboard Case slot width	D.9.1	8<	8.4	<12	Number, mm
Centre of centreboard pivot pin above underside of keel	"	40<	49	<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		9.5	<10		9.5	<10	Number, mm
at station 2	"		7.5	<10		7.5	<10	Number, mm
at station 4	"		9	<10		9	<10	Number, mm
at station 6	"		9	<10		9	<10	Number, mm
at station 8	"		9	<10		9	<10	Number, mm
Sheerline above position marked on template: at station 0	D.9.1 & diagram	-10<	-10	<+10	-10<	-10	<+10	+ Number means more freeboard
at station 2	"	-10<	+9	<+10	-10<	+9	<+10	Number, mm
at station 4	"	-10<	+9	<+10	-10<	+9	<+10	Number, mm
at station 6	"	-10<	0	<+10	-10<	0	<+10	Number, mm
at station 8	"	-10<	-8	<+10	-10<	-8	<+10	Number, mm

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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<	1350	<1450	Number, mm
Length of aft deck		550<	560	<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		460	<520	**Maximum Half-width** Number, mm
at station 3	"		515	<560	Number, mm
at station 4	"		505	<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<	COMP.	<+10	"Complies"

DECK AND COCKPIT DETAILS					
Item	**Rule**	**< (min)**	**Entry**	**< (max)**	**Requirement**
Number of buoyancy units	D.5.2	4<	4 ; COMP.		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

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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<		973			Number, mm
at station 4	"	720<		958			Number, mm
Floorboards or double bottom below sheer at station 2	D.7, D.9.1	285<		290			Number, mm
at station 3	"	325<		380			Number, mm
at station 4	"	375<		415			Number, mm
(if fitted) at station 5	"	375<		431			Number, mm
(if fitted) at station 6	"	390<		491			Number, mm
Thwart depth	D.9.1	16<		22		<50	Number, mm
" width	"	70<		77		<80	Number, mm
" aft side forward of station 0	"	1950<		1995		<2050	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	"			46		<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)			ENTERED			"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<		20		<30	Number, mm
Axis of Gudgeon aft of Stn. 0 (β)	"	10<		20		<30	Number, mm
Difference between (α) and (β)	"	0<		0		<2	Number, mm
Dia. of Pintle & Gudgeon Hole	"	7.9<		8.0		<8.1	Number, mm

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CENTREBOARD					
Item	Rule	< (min)	Entry	< (max)	Requirement
Centreboard identifying number	E.2.2 (a)		1079		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	"		COMP.	<25	"Complies"
Centreboard Mass including buffer stop	E.2.4 (a)(1) E.2.6	11·0<	12.95	<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	"		698	<700	
Hull datum point to centreboard (pivot pin at maximum aft position)	"	2050<	2055		
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)		COMP.		"Complies"
Mass of hull and centreboard	D.9.2 (b)	116·0<	116.1		Number, kg
Mass of correctors	D.9.4 (b)		5.0	<5·00	Number, kg
Period of oscillations	D.9.3(b)(iii)	T_1 3.164	T_2 3.516		sec, 3 decimals
Distance λ from Stn 0 to C of G	D.9.3 (c)	2100<	2100	<2290	Number, mm
C of G above underneath of hull	"	210<	213		Number, mm
Radius of gyration ρ	"	1100<	COMP.		"Complies"
Corrector weights securely fastened	D.9.4 (a)		COMP.		"Complies"
Corrector and other weight details entered on certificate	D.9.4 (b)		ENTERED		"Entered"

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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	4416	Builder	Devoti Sailing
Other Hull Identifying Numbers	CZ-DSLDF031E615	Date completed	May 2016
Date of this measurement	25.05.2016	Date of first measurement	25.05.2016
Corrector weights Position 860-0 Amount 2 x 1.5 kg	(Include dist from Stn.0) 1950-0 Amount 1 x 1.0 kg	Position 3030-0 Amount 2 x 0.5 kg	Position Amount kg
Fittings etc. such as Compass (not Digital), Hiking pads. Item weight not required. P.p.extenders 2 x 0.55kg ; leg extenders x 2pcs; carbon foot step x 1pc; swivel lifter x 1pc			
Centreboard Certification Mark and Unique Number	1014 / 1079	Weight of hull plus centreboard	116.1 kg
Weight of Centreboard	12.95 kg	λ from Stn 0 to C of G	2100 mm
T_1	3.164 sec	**d** (App.H.3)	878 mm
T_2	3.516 sec	**a** (App.H.3)	665 mm
Radius of gyration ρ	1101 mm	**h** CG above underneath of hull	213 mm
Official Measurer (Please print)	Marcin Owczarkiewicz	Appointed by	POLISH YACHTING ASSOCIATION Marcin Owczarkiewicz Ul. Nowowiejska 22b/4, 58-200 Dzierżoniów tel. 504 174 804 Mierniczy PZŻ
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