MEASUREMENT CERTIFICATE

This is an attachment to the Measurement Form and the Certificate required under ISAF RRS 78

INTERNATIONAL FINN CLASS

Reweighing

SAIL N°
(Rule A.10.2)

ATTACHMENT SHEETS

Changes to the information on page 2 of the Certificate shall be recorded. If there is insufficient space, use additional copies of page 2 or the "Reweighing" Form as Attachment Sheets. Retain the original sheets, with obsolete information crossed through.

ISAF Sticker No	2574	Other Hull Identifying Numbers	–
Date of this measurement	10.01.2011	Date of first measurement	
Corrector weights 2110-0 (s) 1.75 Amount(ρ) 1.5 kg	(Include dist from Stn.0) – Amount kg	Position – Amount kg	Position – Amount kg
Fittings etc. such as Compass (not Digital), Hiking pads. Item weight not required. –			
Centreboard Certification Mark and Unique Number	–	Weight of hull plus centreboard	116.1 kg
Weight of Centreboard	11.0 kg	λ from Stn 0 to C of G	2120 mm
T_1	3.177 sec	**d** (App.H.3)	678 mm
T_2	3.532 sec	**a** (App.H.3)	665 mm
Radius of gyration **ρ**	1107 mm	**h** CG above underneath of hull	213 mm
Official Measurer (Please print)	MARCIN OWCZARKIEWICZ	Appointed by	MARCIN OWCZARKIEWICZ MIERNICZY PZŻ
Items remeasured comply with **fundamental measurement** requirements.		Official Measurer (Please sign)	

Please use Black Ink

19 June 2009

INTERNATIONAL FINN CLASS MEASUREMENT FORM

MEASUREMENT AND CLASS REGISTRATION CERTIFICATE

ID STICKER OR ISAF PLAQUE NUMBER: 2574

Signed ..... NFA Secretary or competent Authority (see Rule 2.5.1)

Note

All Measurement forms dated previously are superseded. This form becomes a valid racing certificate only if:

It is signed by

(a) the Owner
(b) the Measurer
(c) the NFA Secretary (see rule 2.5.1).

Any Measurer's Comments in the space below have been certified as cancelled by the Measurer.

Name of builder DEVA MARINE
Date completed 18.3.01
Name of Owner (block letters)
Address

1. CHANGED HULL ONLY
2. RECHECK FITTINGS.
3. Copy to 1109 AU

1st Change of Owner
Address

2nd Change of Owner
Address

3rd Change of Owner
Address

Declarations

I declare I am satisfied this boat has been fully and correctly measured and that I will keep the boat within the Class Rules whenever it is raced.

Signed ..... Owner
Date .....

I declare that this boat conforms to the letter and spirit of the rules, and that in my opinion no attempt has been made to exploit the rules to get round the one-design intention.

Signed NZ 2446
• Official Measurer
(in block letters:) CHRIS CUMMINS
Date 18.3.01

Change of Owner's Declaration

I declare I am satisfied that the boat complies with all the rules of the class and that I will keep the boat within the class rules whenever it is raced.

First change
Signed ..... Date: .....

Have you read and understood chapters 1 to 3? YES "Yes"

I.5.4 MEASUREMENT PROCEDURE

I.5.4.1	YES	Boat complete as for swing test
I.5.4.2	YES	ID sticker fixed

I.5.5 TEMPLATES

ZFA	Issuing authority
Korea	Serial number

4.2.2. HULL SHAPE

4.2.2.1	COMP				"Complies" (plans)
4.2.2.4	4480 <	4509		< 4510	Overall length
4.2.2.5	147 <	154		< 157	St. 1
	99 <	109		< 119	St. 2 keel
	35 <	45		< 55	St. 4 profile
	6 <	14		< 26	St. 6
4.2.2.6	St. 0	9.5	9.5	< 10	Hull shape
	St. 2	9	9	< 10	Maximum distances to template Note first port distance, then starboard
	St. 4	9.5	9.5	< 10	
	St. 6	8.5	8.5	< 10	
	St. 8	8	8	< 10	
	St. 0	8	9	< 10	Distance from sheer to template marks Note first port distance, then starboard
	St. 2	0	1	< 10	
	St. 4	4	3	< 10	
	St. 6	4	2	< 10	
	St. 8	7	7	< 10	
4.2.2.8	Max.	5		< 10	Stem profile distance to template
		2		< 10	Distance from sheer to template mark
4.2.2.9	6 <	6x12			Keelbands half width and thickness

4.2.3 DECK AND COCKPIT

4.2.3.1	COMP			"Complies" (plans)
4.2.3.2	COMP			"Complies" (ends)
4.2.3.3	COMP			"Complies" (sides)
4.2.3.4	820 <	895	St. 2	Minimum width of cockpit
	1000 <	1007	St. 3	

4.2.3.5	St. 2	908	< 1040	Maximum width of cockpit
	St. 3	1057	< 1120	
	St. 4	1011	< 1100	
	St. 5	908	< 1000	
4.2.3.6	45 <	46	< 55	Crown of transom over sheer
4.2.3.7	Max:	5	< 10	Distance from deck to straight line
4.2.3.10		comp		"Complies" (rounding of corners)
4.2.3.1	$\frac{16}{20}$X <	20 / 172	< X $\frac{26}{20}$	Thwart dimensions
	-10 <	4	< 50	Distance to Station 4
	76 / 110		< 130	Distance below sheer
4.2.3.8	1350 <	1408	< 1450	Length of foredeck
	550 <	604	< 650	Length of aft deck

4.2.4 CENTREBOARD AND CASE

4.2.4.1	8 <	9.5	< 12	Centreboard case gap
4.2.4.2		comp		"Complies" (centreboard rubbers)
4.2.4.3	40 <	47	< 50	Distances from pivot to keel
4.2.4.4		2071	> 2050	Distance from A.M.P. V.P

4.3 CENTREBOARD

4.3.1		comp		"Complies" (construction material and thickness)

CENTREBOARD SHAPE

4.3.2.2	885 <	886	< 895	Large radius
4.3.2.3	30 <	31	< 40	Small radius
4.3.2.4	815 <	824	< 825	Chord length
4.3.2.5		24	< 25	Bevel
4.3.2.6		comp		"Complies"
4.3.3		11.4	< 16 kg	Weight
4.3.4		699	< 700	Centreboard projection

FLOORBOARDS

4.2.5.1		comp		"Complies" (area)
4.2.5.2		Comp		"Complies" (support straight)
4.2.5.3	800 <	855	St. 2	Floorboards width
	880 <	982	St. 3	
	720 <	955	St. 3	
4.2.5.4	285 <	302	St. 2	
	325 <	340	St. 3	
	375 <	379	St. 4	
	375 <	399	St. 5	Optional floorboards or double bottom
	390 <	400	St. 6	

4.2.6 MAST BEARINGS

4.2.6.2		48	< 50	Distance from mast heel to keel
4.2.6.3		2.5	< 5	Mast bearings max. play
		5.0	< 5	
4.2.6.4		Comp		"Complies" (bearings material)
4.2.6.5		Comp		"Complies" (fixed when racing)

4.2.7 BUOYANCY EQUIPMENT

4.2.7.1		Comp		"Complies" (float level)
4.2.7.3		Comp	< 5	"Complies" (4 tanks)
4.2.7.6		Comp	< 5	"Complies" (cockpit buoyancy)
4.2.7.7		Comp		"Complies" (fastenings)

4.2.8 MISCELLANEOUS ITEMS

4.2.8.1		24	< 25	Sheerguard width
		30	< 35	Height
4.2.8.3		Nil	< 150	Number and dimensions of transom holes
		Nil	< 30	
4.2.8.4		Comp		"Complies" (traveller)
4.2.8.5		Comp		"Complies" (fittings)

4.5 HULL WEIGHT

4.5.1		Comp		"Complies" (clean and dry)
4.5.2.1	120 <	120		Hull weight
4.5.2.3		5.0	< 5	Correctors overall weight

HULL WEIGHT DISTRIBUTION AND CENTRE OF GRAVITY

4.5.3.1	32.14	36.30		T_1, T_2
4.5.3.2	2165	2108	< 2290	Centre of gravity to transom
4.5.3.3	210 <	243		Centre of gravity to underneath of hull
4.5.3.4	1100 <	1103		Radius of gyration

626

Copy 10/1/09

NED 11.
NAG

Gordon Currey
Shearwater,Bosham Hoe, Chichester, Sussex PO18 8ET
Tel: 01243-572551 Fax: 01243-575095
Mob: 07901 900442
e-mail: gordon@gordoncurrey.com
site: www.faireyboatsales .com

Owner/agent:

JAN VAN de Hoek
HET MAST.

Certification of Original Certificate

Olympic Finn ISAF Number on hull: 2574 **Dated:** 18-7-01

(Two thousand five hundred and seventy four)

The enclosed measurement certificate is a true copy of the original held on file by

Gordon Currey measurer IFA Number 6

Gordon Currey date: 20/2/2008

Stamp

FINN MAST MEASUREMENT CARDS

WILKE

Swiss Marine Composites
Untere Ey, Hauptstrasse
CH-3706 Leissigen
Phone +41 33 847 17 70
Fax +41 33 847 17 71
mail info@wilke.ch

This is to Certify that the Mast has been built in accordance with the current Rules of the International Finn Class, that the Mast Label has been correctly obtained from the International Finn Association, and that to the best of my knowledge and belief the mast has passed correct measurement from the authorized Measurer below.

Signed (Mast Manufacturer or Representative) .....

Date 09.10.2009 **Date of Manufacture** 09.10.2009

INTERNATIONAL FINN CLASS MEASUREMENT CARD

MAST

4.6.5.1	IFA Mast Label attached 2110 Number Wilke 7774 09	
	Date of Measurement) 09.10.2009	
4.6.5.2	Measurer (print and sign) Reichen Beat	
	Measurer authorized by: Swiss sailing (Measurer No 08)	
4.6.1	Materials fibre reinforced plastic	
4.6.1.1	Material of the sail track fibre reinforced plastic	
4.6.2	**Construction**	
4.6.2.1/4.6.2.2	complies	(complies)
4.6.2.3	Diameters at Deck and heel 103.63 mm	(>73, >62 mm)
4.6.2.4	Width complies	(complies)
4.6.2.5	Fore-and-aft complies	(complies)
4.6.2.6 to 4.6.2.9	complies	(complies)
4.6.3.1/4.6.3.2	Measurement Bands complies	(complies)
4.6.4.1	Weight with Correctors 8.000kg	(> 8 kg)
4.6.4.2	Corrector Weight 0.130kg	(< 1 kg)
4.6.4.2	Height of Corrector Weight 1'320 mm from the keel	
4.6.4.3	Height of Centre of Gravity 2'400 mm	(>2400 mm)

THIS MAST **DOES** / ~~DOES NOT~~ COMPLY WITH
THE RECOMMENDED STANDARD DIMENSIONS IN RULE 4.6.2.3.

Compliance Mark (C) if applicable..... Y/N

WILKE
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mail info@wilke.ch

Finn Mastbend Charakteristik

Wilke Wing Mast
Build Nr. 777409 IFA 2110 for J. Eiermann

9 October 2009

Distance (in mm)	¼ bottom	½ middle	¾ top	**Tip Deflection** with 12 kg
Fore& Aft (longitudinal)	88	118	87	517
Sideways (lateral)	75	117	107	380

4.6.4.1	Weight with Correctors	8.000 kg
4.6.4.2	Corrector Weight	0.130 kg
4.6.4.2	Height of Corrector Weight	1'320 mm
4.6.4.3	Height of Centre of Gravity	2'400 mm