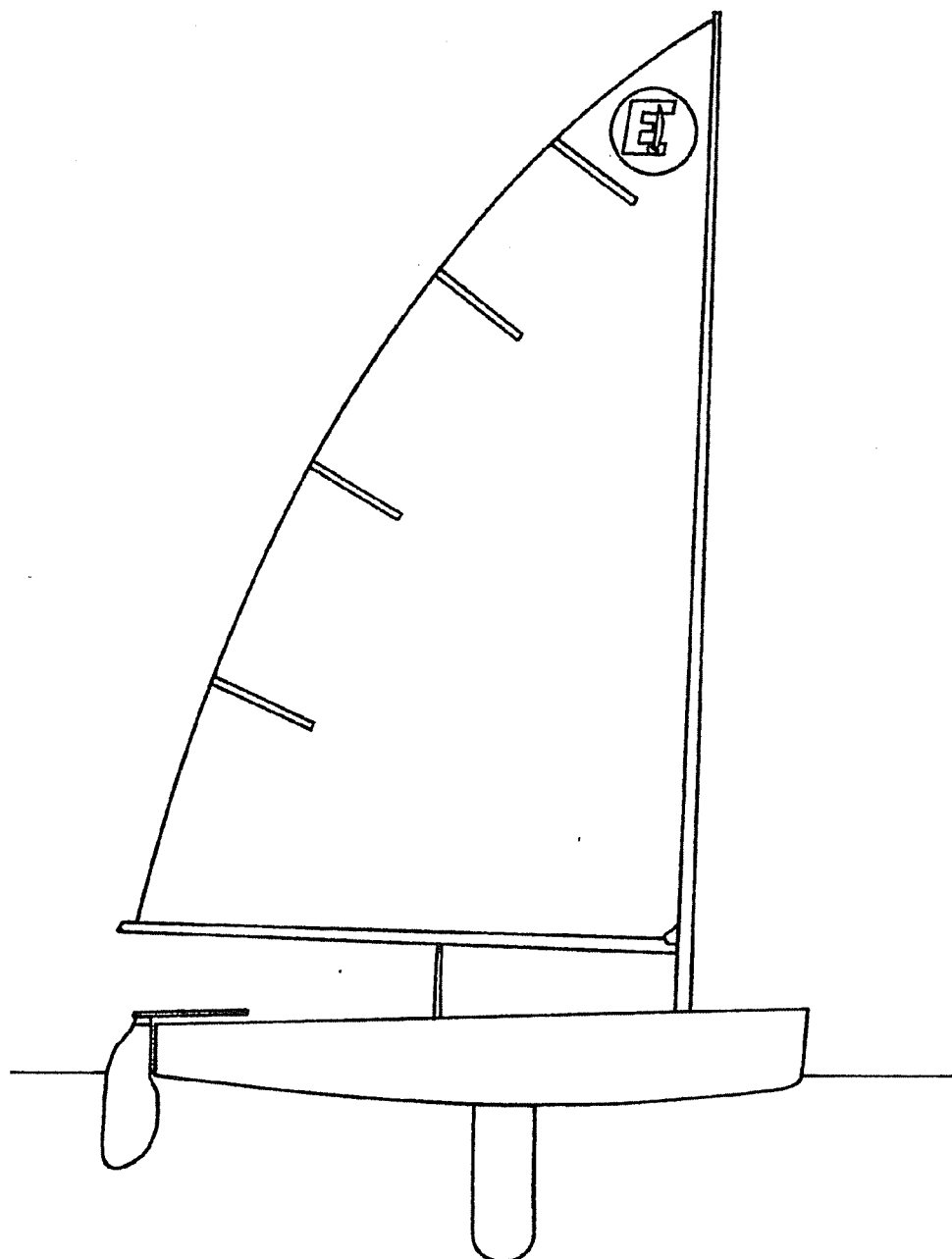


# 2001 INTERNATIONAL EUROPE CLASS MEASUREMENT FORM

Authority\*: International Sailing Federation  
Ariadne House, Town Quay, Southampton SO14 2AQ



\* The International Sailing Federation (ISAF) is not a National Authority (NA).

## GENERAL NOTES AND INSTRUCTIONS

### For the Builder and Owner

1. The builder of a hull, a mast or a boom shall fulfil the conditions for the licensing system. The builder of a hull shall pay the International Class Fee (ICF) to IECU. The ISAF will issue an ISAF ICF sticker, an ICF Receipt (ICFR) and a Measurement Form, except Part 4 (mast and boom). The builder of a mast or boom shall pay the Authorised Manufacturers Sticker (AMS) fee to IECU. The ISAF will issue an AMS together with an associated mast or boom measurement form.
2. The builder shall fix the ICF sticker to the main bulkhead, to starboard and shall complete Part 1 of this form. The builder of a mast or boom shall fix the AMS near the gooseneck and shall complete Sections A and B of the respective measurement forms.
3. The builder, or owner shall apply to the owner's NA (or CA if issue of sail numbers has been so delegated) for a sail number, enclosing the ICFR. This is also necessary if the owner wants to be issued with a personal sail number.
4. Unless otherwise agreed with the owner the builder shall arrange for an official measurer to take all the measurements in Part 2 of this form before the hull leaves the Builder's premises.
5. The builder shall provide the owner with the ICFR and this form, with Part 1 and Part 2, unless otherwise agreed as in paragraph 4, complete when the boat is supplied.
6. The owner (or the builder) shall arrange for an official measurer or measurers to take all the measurements in Parts 2 to 6 inclusive on this form. Each part, or page may be undertaken by a different measurer. The measurer(s) shall complete and sign part 7 for those measurement form items completed.
7. The measurement form shall be passed to the owner.
8. The owner shall complete and sign part 8 of this measurement form and then send all papers as required by his/her NA to his/her NA (or CA if the CA is the delegated certifying authority) together with any fee that may be required.
9. Parts 1 to 3 and 4 to 8 may be copied for the following purposes:
  - (i) As a measurement record so that the owner may fulfil his/her responsibilities in compliance with RRS 78 and CR 2.3.2 (iii) last sentence.
  - (ii) Part 8 - to provide an 'owner's declaration' for the certifying authority before that authority issues a new 'change of owner' certificate.

### For the Measurer(s)

10. If the Measurer is in any doubt regarding the accuracy of any part of the boat, its spars, foils, sail and equipment, he/she shall report it in the remarks space (Part 7) of this form.
11. The boat, its spars, foils, sail and equipment are required to conform to all the class rules even if not specifically mentioned on this form.
12. All dimensions are in millimetres (mm) unless otherwise stated. The measurement found shall be entered in the actual column. Any other form of entry is not acceptable.
13. Definitions
  - (i) The "aft measurement point" (AMPt) is the intersection of the underside of the hull on the centreline with the transom, both extended if necessary.
  - (ii) The "aft measurement plane" (AMPn) shall be a transverse plane through the AMPt perpendicular to the base line. It is vertical.
  - (iii) The "base line" shall be as shown on the hull measurement diagram. It is horizontal.
  - (iv) For the purpose of 12(i) the transom is an imaginary surface enclosed by the aft edge of the underside of the hull shell and a line joining the port and starboard sheerlines at the aft end of the hull shell.

PART 1		ISAF PLAQUE NO: .....
To be completed by the <b>BUILDER</b> before the hull or kit leaves the Builder's premises or if a complete hull before it is presented for measurement.		
1.1	Builder's Name: ..... Address: ..... ..... ..... .....	
1.2	(a) Are you a professional boat builder licensed by the ISAF to build Europe Dinghies?  (b) If not a Licensed Builder have you built another Europe dinghy in the last 12 months?	Yes/No  Yes/No
1.3	Has the ICF been paid and, if a complete hull, has the sticker been fixed to the main bulkhead to starboard of the centreline?	Yes/No
1.4	Do you certify that the hull/kit has been built to comply with the Class Rules of the International Europe Dinghy?	Yes/No
1.5	Date hull/kit completed: ..... Builder's Signature: ..... Date: .....	

Measurer's signature &amp; stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

PART 2 - HULL		
IDENTIFICATION MARKS (Rule 2.6.1)		
2.1	(a) Is the ISAF ICF Plaque fixed to the starboard side of the main bulkhead?	Yes/No
	(b) Is the maker's name shown on the inside face of the transom on the starboard side?	Yes/No

Measurement should not be undertaken until the builder has complied with Class Rule 2.6.1. (i) and (ii)

Invert the hull and set it up level both fore and aft and transversely. The transverse level shall be taken to be a horizontal line through the sheerlines at the transom station. Establish and mark the positions of the measurement stations on the centreline and at the rubbing strake each side.

2.2 HULL SHAPE - (Rule 3.2.3 and plans)							
Distance from AMPn to Station		Transom	No. 10	No.6	No. 3	No. 1	Stem Base line to sheer
		0	1000	2000	2750	3250	
Base Line to hull on centreline	Maximum		70	22		151	555
	Actual	160			49		
	Minimum		50	2		131	525
Actual less minimum		10			10		
	(Set templates at this height above hull surface on the centreline)						
Surface of hull to template applicable for all boats measured till 1. March 2004	Maximum	20	20	20	20	20	15
	Actual Max						
	Actual Min						
	Minimum	0	0	0	0	0	0
Surface of hull to template mandatory for all boats measured after 1. March 2004	Maximum	16	16	16	16	16	15
	Actual Max						
	Actual Min						
	Minimum	4	4	4	4	4	0
Sheer to top edge of the template	Maximum	20	20	20	20	20	15
	Actual-Port						
	Actual-Stbd						
	Minimum	0	0	0	0	0	0

Measurer's signature & stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.3	3.2.3 (v) (vii)	<u>Transom</u>			
		(a) Distance from AMPn to outer face of transom	0		20
		(b) Overall width of inwale, transom and rubbing strake	--		40
		(c) Depth of inwale	--		25
		(d) Is the top of the transom straight between sheerlines within a tolerance of $\pm 10\text{mm}$ ?		Yes/No	
	3.4.5 (iv) Rudder Fittings Meas. Diagram	(e) Total area of holes and/or windows	0		0.02m <sup>2</sup>
		<u>Rudder Fittings</u>			
		Are the fittings corresponding to the drawing?			
		(f) distance from top of transom to the top surface of the top fitting			30
		(g) distance between top surfaces of top and lower fitting	133		135
		(h) thickness lower fitting			5
		(i) diameter of holes	8		
		(j) distance center of holes to transom	25		
2.4	3.1.1 3.2.3 (v)	<u>Stem</u>			
		(a) Distance from AMPn to foremost part of the stem excluding the rubbing strake	3340		3360
		(b) Rubbing strake at stem (i) Width (ii) Depth			20 25
2.5	3.2.4 (iii) 3.2.3 (iv)	<u>Centreboard case slot and gasket recess</u>			
		Distance from base line to top of centreboard case at:			
		(a) forward end of slot.....	--		--
		(b) aft end of slot .....	--		--
		(c) difference .....			10
2.6		Does the recess for the slot gasket:			
		(a) extend not more than 30mm from each side of the slot?		Yes/No	
		(b) extend not more than 50mm from each end of the slot?		Yes/No	
2.7		Width of centreboard case slot, excluding any recess for gaskets.	18		22

Measurer's signature &amp; stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.8		Distance, measured along the keel, from the AMPt to centreboard case slot at: (a) aft end	1465		
		(b) forward end			2005
2.9	3.2.3	<u>Hull concavities</u> Distance from hull surface to a straight edge of any length: (a) aft of station 4 (2500mm from AMPn) Straight edge in fore and aft line			1.0
		(b) at and forward of station 4 Straight edge in horizontal plane			2.5
		(c) at and forward of station 4 Straight edge in any other plane			18.0
Turn the hull the right way up and reset to level in the fore and aft and transverse planes.					
2.10	3.2.1	<u>Hull Skin</u> (a) As far as can be established without destructive testing, the hull, including deck, side tanks, bulkhead, centreboard case and all structural components, is made of permitted materials		Yes/No	
		(b) Is the thickness anywhere not more than 12mm?		Yes/No	
2.11	3.2.4(v) 3.2.3(v)	<u>Foredeck and Rubbing Strakes -</u> (Measurement Diagrams) (a) Camber of the deck, relative to sheer height, at the main bulkhead	42		62
		(b) Camber of the deck, relative to sheer height at station 3			30
		(c) is the foredeck a fair profile, except for not more than one step of not more than 5mm, each side of the centreline?		Yes/No	
		d) Are any pads for fittings not more than 20mm from the curve of the deck?		Yes/No	
		(e) Is there a painter fitting near the bow?		Yes/No	
		(f) Rubbing strakes (i) Width at widest point (ii) Depth at deepest point			40 25

Measurer's signature & stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.12	3.2.5	<u>Deck Ring and Heel Fitting for Mast</u> - (Mast Measurement Diagram and notes)			
		(a) Distance from AMPn to the centre of the mast hole in the deck.	2680		2720
		(b) Internal diameter of the bearing surface of the deck ring from 10mm above to 10mm below deck level	81		83
		(c) Height of top of rim of deck ring above the deck			30
		(d) Height of deck, at the deck ring, above the surface of the heel fitting on which the mast rests	445		455
		(e) Height of top of heel fitting above the surface on which the mast rests	25		40
		(f) Internal diameter of the bearing surface of the heel fitting (up to 25mm above surface on which mast rests)	51		53
		(g) Minimum possible distance from the aftmost point of the mast rake adjustment system to the forward face of the main bulkhead	500		
2.13	3.2.4(i)	<u>Main Bulkhead</u>			
		(a) Distance from AMPn to the aft face of the main bulkhead	1980		2020
		(b) Are there not more than 2 hatches, with watertight covers, in the main bulkhead?	0		2
		(c) If the hatch(es) has (have) an opening of diameter more than a circle of 150mm is there an arrangement for bolting, screwing or clipping in place?		Yes/No	
		(d) Are there no more than 2 drainholes with watertight plugs or non return valves?		Yes/No	
		(e) Are there not more than 8 lead holes for control lines, each not more than 7mm in diameter and all within an area enclosed by lines 100mm from the floor, side tanks and line of the foredeck, and not giving access to a compartment which is part of the forward buoyancy unit?		Yes/No	

Measurer's signature & stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.14	3.2.4 (ii)	<u>Side Tanks</u>			
		(a) Do the side tanks extend from the main bulkhead to the inner face of the transom?		Yes/No	
		(b) Excluding fillets or fairings of not more than 25mm radius are the sides of the tanks straight?		Yes/No	
		(c) Distance between vertical faces, excluding any fairing or fillet, at: (i) the inner face of transom (ii) the main bulkhead	640 720		680 760
		(d) Radius of curvature between the top and vertical faces	110		150
		(e) Are any pads for fittings such that no part is more than 20mm from the curved surface on which it provides a flat area nor recessed into it?		Yes/No	
		(f) Is there at least one drainhole, with watertight plug(s), or hatch, with watertight cover(s), in each tank?		Yes/No	
2.15	3.2.4(iii)	<u>Centreboard Case</u>			
		(a) Thickness of sides			12
		(b) Is the forward end fixed to the main bulkhead over not less than 25mm of its depth measured from the top?		Yes/No	
		(c) Centreboard case capping. (i) Width each side measured from slot (ii) Depth, excluding aft end extension to floor			65 65
		(d) Distance of the aft end of the case, at any level, from the slot excluding any step for mounting a mainsheet block?			100
		(e) Step for mainsheet block, if fitted. (i) Width (ii) Distance from slot at any level (iii) Depth			100 200 100
		(f) Distance from upper, aft end of slot to the AMPn excluding board protection pads	1510		
		(g) Distance from top of the case to the height of the sheerline at station 7	174		194

Measurer's signature &amp; stamp: ..... Date: ..... ISAF ICF Plaque Number: .....



ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.16	3.2.4 (iv)	<u>Thwart</u> - Measurement Diagrams and note 11 to plans (a) Is there a thwart connecting the upper aft end of the centreboard case to the vertical face of each side tank?		Yes/No	
		(b) Width	60		150
		(c) Depth	15		35
		(d) Thickness: (i) Wooden construction (ii) GRP construction	15 3		-- --
		(e) Optional stiffening webs (GRP thwarts only) If fitted: (i) Width, measured from vertical face of side tank (ii) Radius between web and the underside of the thwart			45 100
2.17	3.2.4 (viii)	<u>Cockpit Floor</u> - Note 14 to plans (a) Floor stiffening battens (i) Maximum depth of any batten			30
		(b) Transom knee or support strut (i) Maximum distance of any part from the inner face of the transom (ii) Maximum distance of any part from the centreline of the hull			200 50
		(c) Hiking strap support battens (i) Maximum depth			30
2.18	3.2.4 (ix)	<u>Fairings and Fillets</u> Except where permitted under Item 2.15(e) is the radius of any fairing or fillet between hull components not more than 25mm?		Yes/No	
2.19		<u>Buoyancy</u> (a) Does the forward buoyancy unit comply with rule 3.2.6?		Yes/No	
		(b) Do the buoyancy tanks satisfy the air test prescribed in rule 3.2.6(iii)? (i) Port tank (ii) Starboard tank (iii) Forward tank (if fitted)		Yes/No Yes/No Yes/No	

Measurer's signature & stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
2.20	3.2.5 3.2.7 3.2.8	<u>Hull Weight and Weight Distribution</u> <u>Weight of the hull</u> In dry and clean condition with only permitted fixed fittings in place			
		(a) without corrector weights fitted	40 kg		
		(b) with corrector weights fitted	45 kg		
2.21		<u>Corrector weights</u> (If hull is less than 45 kg)			
		(a) Total weight of correctors			5 kg
		(b) Number of corrector weights			
		(c) Is the weight and ISAF ICF number stamped or engraved on each weight?		Yes/No	
		(d) Are the weight(s) secured to the main bulkhead at not less than 200mm from the bottom of the hull?		Yes/No	
2.22		<u><b>Swing Test data</b></u> - (See swing test measurement diagram and notes), (Hull in condition as for weighing)			
		(a) Distance from hull centre of gravity to AMPn	1500		
		(b) swing periods (seconds) (i) T1 (ii) T2			sec sec
		(c) Calculated radius of gyration			
		(d) Calculated Moment of Inertia Hull weight x (radius of gyration) <sup>2</sup>	35.5kgm <sup>2</sup>		
		(e) (i) Distance from underside of hull to swing axis (ii) Calculated height of cg below swing axis (iii) Calculated height of cg above underside of hull on the centreline ((i) - (ii))	200		
		(f) Total weight of correctors			kg
		(g) Are correctors fitted and marked as required by Rules 3.2.8 (iii) & (vii)?		Yes/No	

Measurer's signature & stamp: ..... Date: ..... ISAF ICF Plaque Number: .....

## 2001 International Europe Class CENTREBOARD Measurement Form, Page 1 of 1

PART 3 - CENTREBOARD					
ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
3.0	3.3	Centreboard - (Measurement Diagram and Notes) (a) Maker's Name: .....			
		(b) Identification Code: .....			
3.1	3.3.1	Is the centreboard, as far as can be established without destructive testing, made of permitted materials?		Yes/No	
3.2	3.3.2	(a) If of hollow construction is there a drain hole at not more than 80mm from the upper edge?		Yes/No	
		(b) Is the profile of the board such that when positioned over a template of the maximum and minimum permitted profiles it is concurrently not greater than the maximum nor smaller than the minimum?		Yes/No	
3.3	3.3.2	Maximum distance of the leading and trailing edges from a straight edge placed against them, except at the bottom radius and top cutout corner: (i) trailing edge (ii) leading edge	— —		2.5 2.5
3.4	3.3.2	Thickness (a) below a line 175mm from the bottom of the board			22
		(b) above a line 250 from the top of the board (i) Minimum, except within 20mm of edges (ii) Maximum (iii) Difference	18 0		22 1
		(c) at thickest point in any section between limits of (a) and (b)	18		22
		(d) If of hollow construction are the thickness limits not exceeded if sub or super atmospheric pressure is applied at the drain hole by blowing or sucking?		Yes/No	
3.5	3.3.2	Is each side of the top of the board fitted with battens or stops so that no part of the board within 50mm of the top, except within 20mm of each edge can enter the centreboard case slot?		Yes/No	
3.6	3.3.2	Is the handgrip cutout not more than 160mm across in any direction, not less than 40mm from the top, trailing or leading edge and not more than 210mm from the top of the board?		Yes/No	
3.7	3.3.3	Weight of centreboard (Note: Corrector weights are not permitted)	2.0 kg	kg	

Measurer's signature: ..... Date: ..... Stamp: .....

## 2001 International Europe Class RUDDER Measurement Form, Page 1 of 2

PART 3 - Rudder					
ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
3.8	3.4	Rudder Blade - (Measurement Diagram and Notes)			
		(a) Maker's Name: .....			
		(b) Identification Code: .....			
3.9	3.4.1	Is the rudder blade, as far as can be established without destructive testing made of permitted materials?		Yes/No	
3.10	3.4.1	(a) If of hollow construction is there a drain hole at not more than 80mm from the upper edge?		Yes/No	
		(b) Is the profile of the blade such that when positioned over a template of the maximum and minimum permitted profiles it is concurrently not greater than the maximum nor smaller than the minimum?		Yes/No	
3.11	3.4.2	Maximum distance of the trailing edge from a straight edge placed against it, except at the top and bottom radii.			2.5
3.12	3.4.2	Thickness			
		(a) below a line 85mm from the bottom of the blade			22
		(b) above a line 85mm from the top of the blade			
		(i) Minimum, except within 20mm of edges	18		22
		(ii) Maximum	0		1
		(iii) Difference			
		(c) at thickest point in any section between limits of (a) and (b)	18		22
		(d) If of hollow construction are the thickness limits not exceeded if sub or super atmospheric pressure is applied at the drain hole by blowing or sucking?		Yes/No	
3.13	3.4.3	Distance of the centre of the pivot hole from the top of the board	70		
3.14	3.4.4	Weight of rudder blade including haul down lanyard but excluding pivot bolt. (Note: Corrector weights are not permitted)	0.9 kg	kg	

Measurer's signature: ..... Date: ..... Stamp: .....

## 2001 International Europe Class RUDDER Measurement Form, Page 2 of 2

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
3.15	3.4.5	<u>Rudder Stock and Tiller Assembly</u> (a) Maker's Name: .....			
		(b) Identification Code: .....			
3.16	3.4.5 (iv) Rudder Fittings Meas. Diagram	Are the fittings corresponding the drawing? (a) distance underside of tiller to lower surface of top fitting	30 mm		
		If rudderstock with both fittings going on the top surfaces (b) distance of top surfaces	133 mm		135 mm
		If rudderstock with fittings going outside the hull fittings (b) distance between fittings	140 mm		
		(c) diameter of pintles			8 mm
3.17	3.4.5(v)	Weight of complete rudder stock, tiller and tiller extension assembly including pivot bolt but excluding the rudder blade. (Note: Corrector weights are not permitted)	1.25 kg	kg	

Measurer's signature: ..... Date: ..... Stamp: .....

# International Europe Class

Authority: International Sailing Federation, ISAF

Secretariat: Ariadne House, Town Quay, Southampton, Hampshire SO14 2AQ, United Kingdom.

PART 4 - MAST, Measurement Form & Manufacturers declaration (To be issued by the manufacturer with each mast, 4 pages)			No:
Item No.	Rule No.		
<b>Section A, Authorised Manufacturers Declaration CR 3.5.4 viii a)</b>			
4a1	3.5.2	Manufacturers name and address: This form was issued: (yyyymmdd)	AMC: AMS fee for received. IECU secr. Signature: .....
4a2	3.5.2 3.5.4 (viii)	<b>Authorised Manufacturers Declaration (AMD)</b> The undersigned and above mentioned authorised manufacturer, hereby declares that: This Europe mast with the Authorised Manufacturers Sticker (AMS) no: , complies entirely with the current International Europe class rules, diagrams and their incorporated specifications as issued by the ISAF. I specially confirm my responsibilities as prescribed in CR. 3.5.1. I know that the current rules and diagrams can be obtained from ISAF or IECU. Other manufacturers ID numbers on the mast (if any): ..... Manufacturer's genuine stamp and signature.....Date:.....	

**IMPORTANT NOTICE TO SAILOR:** Do not buy this mast unless sections A and B are duly signed. Do not use this mast at any official regatta unless section C is duly completed and signed as well.

Section B, Authorised Manufacturers measurement report. CR 3.5.4. viii b)					
Item No.	Rule No.	Mast Measurements	Min. (mm.)	Actual	Max. (mm)
4b1	3.5.4 (viii)	(a) Is above Authorised Manufacturers Declaration (AMD) and AMS fee() received box duly finished and signed by the Int. Class Association (IECU) and the manufacturer?		Yes/No	
	3.5.4 (ix)	(b) Do AMC and AMS no. on the mast near the gooseneck indeed comply with the numbers in section A of this form?		Yes/No	
	MB Meas. Notes 10	(c) Are the indentation marks correctly positioned and clearly visible?		Yes/No	
4b2	3.5.5	Weight of mast, including fixed fittings and gooseneck bolt, but excluding halyard.			
		(a) Without corrector weights fitted	5.0 kg		
		(b) With corrector weights fitted at the outside of the mast	5.5 kg		
		(c) Weight of correctors			0.5 kg

Official Measurers signature/stamp/date for seeing this page:.....

This form is printed by the International Europe Class Union (IECU) and can be obtained by authorised manufacturers from the secretariat, address: IECU, Nora Torggatan 1, 43430 Kungälv, Sweden. Fax: +46 30018659, E-mail: [iecu@mailbox.hogia.net](mailto:iecu@mailbox.hogia.net). A list of currently authorised manufacturers may be published at the IECU internet site: [www.europeclass.org](http://www.europeclass.org). This mast shall not be used at any regatta unless this form has been checked and signed by an official recognised measurer. An authorised manufacturer is not an official measurer, but can be appointed as such.

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Item No.	Rule No.	Mast Measurements	Min. (mm.)	Actual	Max. (mm)																																																																																	
4b3	3.5.4 (i) Diagram 1/2	Distance from upper mast point to: (a) Centre of gravity of mast (b) Lower mast point, i.e. distance between bands			3500 4570																																																																																	
	Diagram 1/2	Distance from heel point to: (c) Centre of deck bearing ring (d) Lower mast point	445		455 775																																																																																	
	Diagram 2/2	Distance from centre of gooseneck hole to: (e) Lower mast point (f) Aft edge of sailtrack (straightened and prolonged) (g) Internal width of gooseneck fitting			40 40																																																																																	
4b4	3.5.4 (i)	Measurement bands (mast spar bands): (a) Width of lower band (b) Width of upper band (c) Is the colour a distinct contrast to that of the mast ?	20 20																																																																																			
4b5	3.5.4 (iv)	Is the heel fitting indeed open or removable to provide inspection of the internal mast section.		Yes / No																																																																																		
4b6	Diagram 2/2	Heel fitting in mast: (a) Diameter at biggest section not more than 20mm from heel point (b) Diameter at smallest section above 20mm from heel point (c) Height	48 45 45		50 50																																																																																	
4b7	Diagram 2/2	Mast deck bearing ring: (a) Depth (b) Diameter at biggest section over not less than 5mm at either side of the centre of the depth of the ring	20 78		50 80																																																																																	
4b8	3.5.4 (i) Diagram 1/2	(a) Mast spar curvature (pre-bend), without load, transverse and fore and aft. The max. deflection may be measured at any station.			20																																																																																	
	3.5.4 (v) Diagram 1/2	(b) Mast deflection (bend measurements) with 20 kg load at station 2250: Fore and Aft, Longitudinal: FA1 ..... FA2 ..... FA3 ..... FA4 ..... FA5 ..... Transverse, Lateral: TR1 ..... TR2 ..... TR3 ..... TR4 ..... TR5 ..... (c) Sum of all above (FA + TR) deflection (mast bend) measurements:																																																																																				
4b9	3.5.4 (i)	Mast section 'Fore-and-aft' (A) and 'Transverse' (B) measurements at station:																																																																																				
		<table border="1"> <thead> <tr> <th>A</th><th>Min.</th><th>Actual</th><th>Max.</th><th>B</th><th>Min.</th><th>Actual</th><th>Max.</th></tr> </thead> <tbody> <tr> <td>0</td><td>26.3</td><td></td><td>30.3</td><td>0</td><td>21.3</td><td></td><td>23.3</td></tr> <tr> <td>750</td><td>32.3</td><td></td><td>36.3</td><td>750</td><td>27.5</td><td></td><td>29.5</td></tr> <tr> <td>1500</td><td>38.3</td><td></td><td>42.3</td><td>1500</td><td>33.7</td><td></td><td>35.7</td></tr> <tr> <td>2250</td><td>44.3</td><td></td><td>48.3</td><td>2250</td><td>39.9</td><td></td><td>41.9</td></tr> <tr> <td>3000</td><td>50.3</td><td></td><td>54.3</td><td>3000</td><td>44.9</td><td></td><td>46.9</td></tr> <tr> <td>3750</td><td>56.2</td><td></td><td>60.2</td><td>3750</td><td>48.8</td><td></td><td>50.8</td></tr> <tr> <td>4500</td><td>53.5</td><td></td><td>57.5</td><td>4500</td><td>54.9</td><td></td><td>56.9</td></tr> <tr> <td>4830</td><td>57.7</td><td></td><td>61.7</td><td>4830</td><td>61.9</td><td></td><td>63.9</td></tr> <tr> <td>5270</td><td>49.8</td><td></td><td>53.8</td><td>5270</td><td>50.9</td><td></td><td>52.9</td></tr> </tbody> </table>	A	Min.	Actual	Max.	B	Min.	Actual	Max.	0	26.3		30.3	0	21.3		23.3	750	32.3		36.3	750	27.5		29.5	1500	38.3		42.3	1500	33.7		35.7	2250	44.3		48.3	2250	39.9		41.9	3000	50.3		54.3	3000	44.9		46.9	3750	56.2		60.2	3750	48.8		50.8	4500	53.5		57.5	4500	54.9		56.9	4830	57.7		61.7	4830	61.9		63.9	5270	49.8		53.8	5270	50.9		52.9				
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Official Measurers signature/stamp/date for seeing this page:.....

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Item No.	Rule No.	Mast Measurements	Min. (mm.)	Actual	Max. (mm.)
4b10	3.5.4 (i) Diagram 1/2	(a) Sailtrack opening slot, width	3.5		4.5
		(b) Bottom of sailtrack to aft edge of mast			15
		(c) Internal diameter of sailtrack	10		12
4b11	3.7.5	Are halyard and halyard lock or cleat indeed external ?		Yes/No	
Manufacturer's declaration and signature for above measurement items in section B.					
4b12	3.5.4 (viii) b)	Manufacturer's name: .....			
		Manufacturers genuine signature and stamp: .....			
		Date: .....			

**IMPORTANT NOTICE TO SAILOR:** Do not buy this mast unless sections A and B are duly signed. Do not use this mast at any official regatta unless section C is duly completed and signed as well.

Section C, Official Recognised Measurer's Declaration and Signature. CR 3.5.4 viii c)		
Item No.		
4c1	I certify that I have checked and / or measured this mast or sections A and B of this form, and that, to the best of my knowledge, mast and form complies with the Class rules except as noted hereunder at item 4c3, measurer's remarks.	
4c2	Measurer's Name (Block Capitals): .....	
	(a) Are you an Official Measurer for the International Europe Dinghy as defined in Class Rule 2.4.1 ?	Yes / No
	(b) State name of Authority granting your official measurer status. .....	
	List the measurement form item numbers which you are certifying as having completed or checked: .....	
4c3	<b>Measurers remarks</b>	
Item no:	Remark	Signature
Measurers genuine signature and stamp: ..... Date: .....		

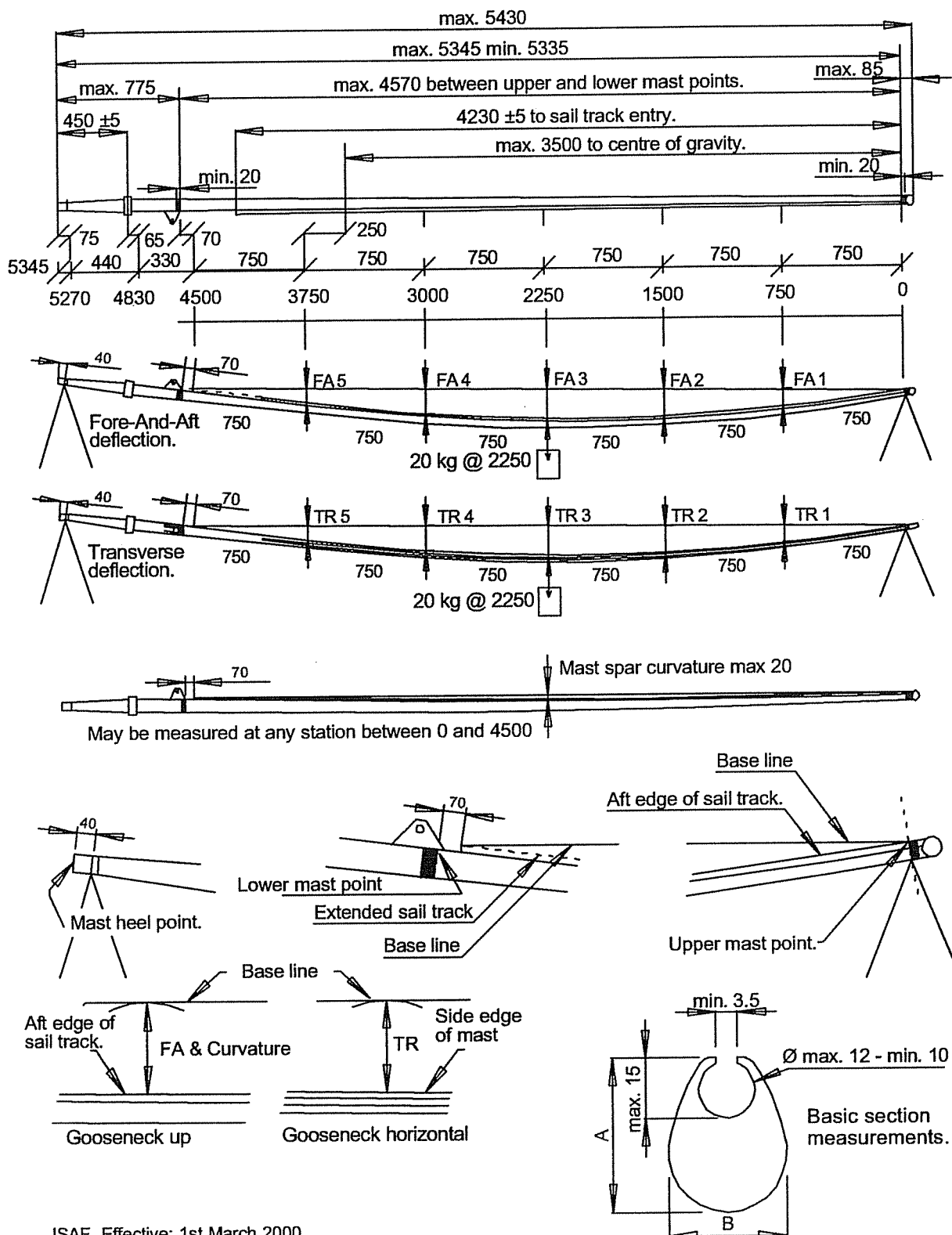
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(see class rules for further notes, diagrams and specifications)



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## International Europe Class

Authority: International Sailing Federation, ISAF  
Secretariat: Ariadne House, Town Quay, Southampton, Hampshire SO14 2AQ, United Kingdom.

<b>PART 4 - BOOM, Measurement Form &amp; Manufacturers declaration</b> (To be issued by the manufacturer with each boom.)			<b>No:</b>
Item No.	Rule No.		
<b>Section A, Authorised Manufacturers Declaration CR 3.6.3 vi a)</b>			
4a1	3.6.1	Manufacturer's name and address:      This form was issued (date):	AMC: AMS fee for received. IECU secr. Signature:
4a2	3.6.1 3.6.3 (vi)	<b>Authorised Manufacturer's Declaration (AMD)</b>  The undersigned and above mentioned authorised manufacturer, hereby declares that: This Europe boom with the Authorised Manufacturers Sticker (AMS) no: complies entirely with the current International Europe class rules, diagrams and their incorporated specifications as issued by the ISAF. I specially confirm my responsibilities as prescribed in CR. 3.6.1. I know that the current rules and diagrams can be obtained from ISAF or IECU. Other manufacturers ID numbers on the boom (if any): .....  Manufacturer's genuine stamp and signature.....Date:.....	

**IMPORTANT NOTICE TO SAILOR:** Do not buy this boom unless sections A and B are duly signed. Do not use this boom at any official regatta unless section C is duly completed and signed as well.

<b>Section B, Authorised Manufacturers measurement report. CR 3.6.3: vi b)</b>					
Item No.	Rule No.	Boom Measurements	Min. (mm.)	Actual	Max. (mm)
4b1	3.6.3 (vi)	(a) Is above Authorised Manufacturers Declaration (AMD) and AMS fee () received box duly finished and signed by the Int. Class Association (IECU) and the manufacturer.		Yes/No	
	3.6.3 (vii)	(b) Do AMC and AMS no. on the boom near the gooseneck indeed comply with the numbers in section A of this form.		Yes/No	
4b2	3.6.4	Weight of boom including corrector weights (if any), without sheet blocks and shackles, but with securing eyes, outhaul, kicker (vang) system and it's running rigging: (a) Without corrector weights fitted (b) With corrector weights fitted at the outside of the profile (c) Weight of correctors	3.0 kg 3.3 kg 0.3 kg		

Official Measurers signature/stamp/date for seeing this page:.....

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Item No.	Rule No.	Boom Measurements	Min. (mm.)	Actual	Max. (mm)
4b3	3.6.4	Distance from gooseneck end to: Centre of gravity of boom, without sheet blocks and shackles, but with securing eyes, outhaul, kicker (vang) system and its running rigging in their racing position (loose and movable ends fixed vertically).	1250		
4b4	Diagram	Distance from centre of hole in gooseneck fitting to:			
		(a) Forward end of uniform cross section			60
		(b) Forward end of gooseneck fitting			30
		(c) Top of boom and sailtrack	40		
		(d) Boom popint			2700
		(e) External width at gooseneck			40
		Distance from aft edge of boom to:			
		(f) Boom point			150
4b5	3.6.3 (ii)	Is there a stop in the boom sail track to prevent the sail being hauled out beyond the boom point ?		Yes / No	
	3.6.3 (iii)	Boom spar deflection without load, vertical and transverse. The max. deflection may be measured at any point.			20
4b6	MB Meas. Notes 11	(a) Can the boom spar cross section without fittings pass through a 77 mm. diameter circle?		Yes / No	
		(b) Is the boom spar cross section constant (within 2 mm) from 90 mm aft of the forward end of the gooseneck fitting to 20 mm aft of the boom point?		Yes / No	
	Diagram	(c) Height of the boom	60		
Manufacturer's declaration and signature for above measurement items in section B.					
4b7	3.6.3. (vi)	Manufacturer's name: .....			
	b)	Manufacturers genuine signature and stamp: .....			
		Date: .....			

**IMPORTANT NOTICE TO SAILOR:** Do not buy this boom unless sections A and B are duly signed. Do not use this boom at any official regatta unless section C is duly completed and signed as well.

See sheet 3 for Section C, Official Recognised Measurer's Declaration and Signature.

Official Measurers signature/stamp/date for seeing this page:.....

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Section C, Official Recognised Measurer's Declaration and Signature. CR 3.6.3 vi c)		
Item No.		
4c1	I certify that I have checked and / or measured this boom or sections A and B of this form, and that, to the best of my knowledge, boom and form complies with the Class rules except as noted hereunder at item 4c3, measurer's remarks.	
4c2	Measurer's Name (Block Capitals): .....	
	(a) Are you an Official Measurer for the International Europe Dinghy as defined in Class Rule 2.4.1 ?	Yes / No
	(b) State name of Authority granting your official measurer status. .....	
	List the measurement form item numbers which you are certifying as having completed or checked: .....	
4c3	<b>Measurers remarks</b>	
Item no:	Remark	Signature
Measurers genuine signature and stamp: ..... Date: .....		

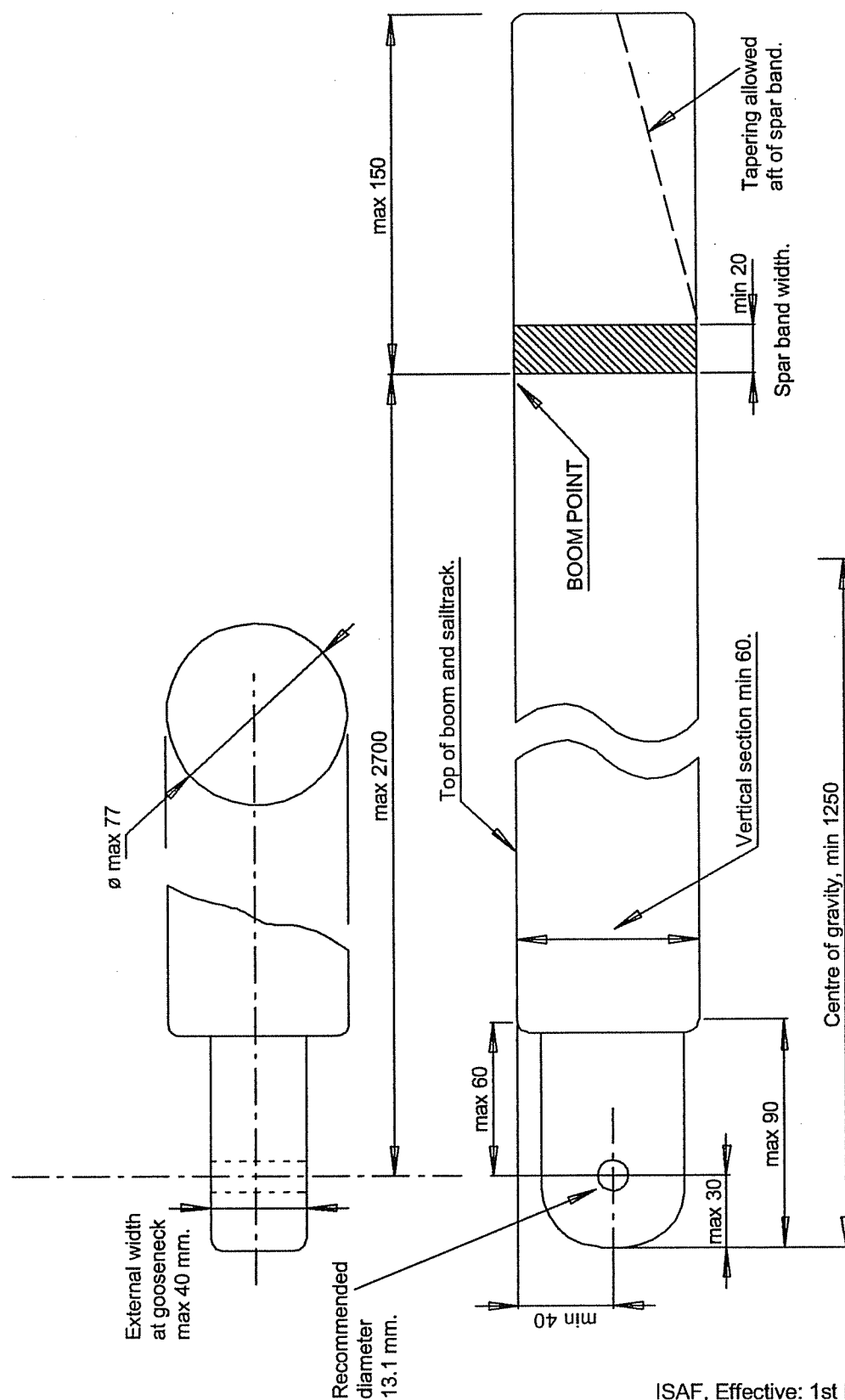
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(see class rules for further notes, diagrams and specifications)



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## 2001 International Europe Class SAIL Measurement Form, Page 1 of 2

PART 5 - SAIL		NATIONAL LETTERS: .....			
		AND SAIL NUMBERS: .....			
ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
5.1	3.7	<u>Sail</u> (a) Maker's Name: .....			
		(b) IECU Sail Label Number: .....			
5.2	Sail Meas. Diag. 1	Is the sail, including reinforcement, made of the same woven cloth throughout?		Yes/No	
5.3	Sail Meas. Diag. 4	<u>Primary Reinforcement</u> Is the primary reinforcement not more than 295mm from: (a) The clew measurement point		Yes/No	
		(b) The tack measurement point		Yes/No	
		(c) The head measurement point		Yes/No	
		(d) The cunningham position		Yes/No	
5.4	Sail Meas. Diag. 8	<u>Headboard</u> Height of headboard Maximum distance from luff Top width	95		158 130 130
		No part of the sail or reinforcement is more than 5mm outside a straight line joining the top, aft corner of the top batten pocket and the aft head point?		Yes/No	
5.5	3.7.2	(a) Length of leech			5320
		(b) Width at centre girth (intersection of radius 2500 mm from headpoint with leech) actual: ..... mm hollow cut: ..... mm total: ..... mm			1650 mm
		(c) Width at top girth (intersection of radius 1250 mm from headpoint with leech) actual: ..... mm hollow cut: ..... mm total: ..... mm			960 mm
5.6	Sail Meas. Diag. 5	<u>Batten Pockets</u> (a) Number of pockets	4		4
		(b) Distance from headpoint to intersection of centreline of the top batten pocket with leech	1000 mm		

Measurer's signature: ..... Date: ..... Sail Label Number: .....

ITEM NO	RULE NO	MEASUREMENT	MIN (MM)	ACTUAL	MAX (MM)
5.6 cont.	Sail Meas. Diag. 5	(c) Sum of the length of the batten pockets			2400 mm
		(d) Width, except at any local widening for inserting battens			50
		(e) Minimum distance of any pocket from the luff	150		
5.7	Sail Meas. Diag. 3	<u>Window(s)</u> (a) Total transparent area of window(s)			0.30 m <sup>2</sup>
		(b) Shortest distance from any part of a window to any edge of the sail	150		
5.8	3.7.3, Sail Meas. Diag. 9, 10, 11	<u>Insignia, National letter(s) and sail numbers</u> (a) Does the Class insignia comply with the measurement diagram?		Yes/No	
		(b) Are the starboard side letter(s), number(s) and class insignia uppermost?		Yes/No	
		(c) Are the class insignia, National letter and sail numbers positioned as required by the measurement diagram notes 10 and 11?		Yes/No	
		(d) Do the letter(s) and number(s) comply with the following minimum dimensions? Height 295 mm Width (except for I and 1) 200 mm Thickness 40 mm Spacing (between letters, numbers, class ensign – even starboard to port side - and edge of sail) 60 mm		Yes/No	
		(e) Does the style of letter and number comply with the requirements of ISAF RRS 25?		Yes/No	
5.9		<u>Makers Mark or Logo</u> Is the mark or logo such that it can be contained in a square of 150 mm sides and is no part of it more than 400 mm from the tack?		Yes/No	

Measurer's signature: ..... Date: ..... Sail Label Number: .....

## 2001 International Europe Class Measurement Form

PART 6 - MEASURER'S REMARKS		
Item No	Remark (Please identify the material by entering the production number)	Measurer's signature and stamp, date

PART 7 - MEASURER'S DECLARATION	
I certify that having measured and/or weighed those parts of this boat for which measurement form item numbers are listed against my signature, to the best of my knowledge they comply with the Class Rules, except as noted in Part 6, Measurer's Remarks.	
7.1.1	Measurer's Name (Block Capitals): .....
7.1.2	(a) Are you an Official Measurer for the International Europe Dinghy as defined in Class Rule 2.4.1? <span style="float: right;">Yes/No</span> b) State name of Authority granting your official measurer status: ..... .....
7.1.3	List the measurement form item numbers which you are certifying as having completed: ..... ..... .....
Measurer's signature and stamp: ..... Date: .....	

7.2.1	Measurer's Name (Block Capitals): .....
7.2.2	(a) Are you an Official Measurer for the International Europe Dinghy as defined in Class Rule 2.4.1? <span style="float: right;">Yes/No</span> b) State name of Authority granting your official measurer status: ..... .....
7.2.3	List the measurement form item numbers which you are certifying as having completed: ..... ..... .....
Measurer's signature and stamp: ..... Date: .....	



## 2001 International Europe Class Measurement Form

7.3.1	Measurer's Name (Block Capitals): .....
7.3.2	(a) Are you an Official Measurer for the International Europe Dinghy as defined in Class Rule 2.4.1? <span style="float: right;">Yes/No</span> b) State name of Authority granting your official measurer status: ..... .....
7.3.3	List the measurement form item numbers which you are certifying as having completed: ..... .....
Measurer's signature and stamp: ..... Date: .....	

<b>PART 8 - OWNER'S DECLARATION</b>		<b>ISAF-ICF Plaque Number:</b> .....
<p>To be completed by the owner before submitting the form to his/her National Authority (NA), or Europe Class National Association if the NA has delegated the task of certification, together with any certification fee that may be required. <b>(Please complete in BLOCK CAPITALS)</b>.</p> <p>If ownership changes the new owner shall complete a copy of Part 8 and send it together with the previous owner's measurement certificate to the certifying authority, together with any fee that may be required, requesting issue of a new certificate.</p>		
8.1	Owner's Name: ..... Address: ..... ..... Club: .....	
8.2	(a) Do you undertake to race this International Europe Dinghy only so long as you maintain it to conform with the Class Rules? <span style="float: right;">Yes/No</span> (b) Do you undertake that any weight correctors will not be altered or removed from the hull, mast or boom except when done at an official reweighing under the supervision of an official Europe Class Measurer? <span style="float: right;">Yes/No</span>	
Owner's signature: ..... Date: .....		

## 2001 International Europe Class Measurement Form

<b>PART 9 - MEASUREMENT CERTIFICATE</b>		<b>ISAF ICF Plaque Number:</b> .....
<b>FOR USE BY THE CERTIFYING AUTHORITY ONLY</b>		
<p>Part 9 of this form, when completed by a competent authority may be issued in lieu of a measurement certificate. The measurer is not a competent authority.</p> <p>Class Rule 2.3.2(iii) requires that a certified copy of the measurement form shall be issued to the owner as part of the certification documentation.</p>		
9.1	Name of Certifying Authority: .....	
	Official issuing measurement certificate: .....	
9.2	Are you, on behalf of the Authority named in 9.1 above, satisfied that this boat has been measured by an official measurer (or measurer's) and as far as can be assessed from the information on this form, satisfied that the boat complies with the Class Rules? <span style="float: right;">Yes/No</span>	
Signature: ..... Date: .....		
Official Stamp:		

IECU  
with recognition of ISAF

Effective: 1st March 2001  
Previous Issue: 1st March 2000