

## Hansa Classes Measurement Procedure for Hulls, Foils & Spars – August 2013

<b>Hansa 2.3</b>			
<b>Competitor Name:</b>			
<b>Nationality:</b>			
<b>Hull Type (Wide / Breeze / Single / Single Full Servo):</b>			
<b>Deck Colour:</b>			
<b>Sail No:</b>			
<b>Measurement / Check</b>	<b>Compliant?</b>	<b>If No - Action</b>	<b>Compliant?</b>
Hull & Sail Numbers agree with International Register	Yes / No	Confirm Authenticity	Yes / No
Weigh Hull – Minimum 45Kg		Corrector weights to minimum	Yes / No
Weigh Keel – Min. 20Kg, Max. 25kg (35kg full servo)	Yes / No	Corrector weights to minimum	Yes / No
Keel Length = 1095mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Rudder Length = 1085mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Mast Length Overall = 4170mm (+/- 5mm)	Yes / No	Adjusted or replacement mast to be measured	Yes / No
Sail does not exceed maximum dimensions	Yes / No	Reject or apply sail measurement procedure	Yes / No
National Letters & Sail Numbers in accordance with class rules – 175mm high and positioned near clew	Yes / No	Adjusted or replacement sails to be inspected	Yes / No
Check rubbing strip fitted and no sharp fixings	Yes / No	Adjusted or replacement rubbing strip to be inspected	Yes / No
Check keel pin present and operational	Yes / No	Adjusted or replacement pin/ keel to be inspected	Yes / No
Check mainsheet shackle moves freely on traveler	Yes / No	Adjusted or replacement traveler to be inspected	Yes / No
Check tow line and bailer present	Yes / No	Replacement tow line and bailer to be inspected	Yes / No
Courtesy check of fittings, blocks and adaptations to ensure they are not dangerous or likely to fail	Yes / No	Advise competitor	
<b>Measurement &amp; checks completed and okay</b>	<b>Yes / No</b>	<b>Notes:</b>	
<b>Name:</b>			
<b>Signature:</b>			
<b>Date:</b>			

<b>Hansa 303</b>			
<b>Competitor Name:</b>			
<b>Nationality:</b>			
<b>Hull Type (Wide / Breeze):</b>			
<b>Deck Colour:</b>			
<b>Sail No:</b>			
<b>Measurement / Check</b>	<b>Compliant?</b>	<b>If No - Action</b>	<b>Compliant?</b>
Hull & Sail Numbers agree with International Register	Yes / No	Confirm Authenticity	Yes / No
Weigh Hull – Minimum 55Kg	Yes / No	Corrector weights to minimum	Yes / No
Weigh Keel – Min. 30Kg, Max. 35Kg	Yes / No	Corrector weights to minimum	Yes / No
Keel Length = 1290mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Rudder Length = 1275mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Main Mast Length Overall = 4775mm (+/- 5mm)	Yes / No	Adjusted or replacement mast to be measured	Yes / No
Foremast Length Above Drum = 2645mm (+/- 5mm)	Yes / No	Adjusted or replacement mast to be measured	Yes / No
Sail does not exceed maximum dimensions	Yes / No	Reject or apply sail measurement procedure	Yes / No
National Letters & Sail Numbers in accordance with class rules – 175mm high and positioned near clew	Yes / No	Adjusted or replacement sails to be inspected	Yes / No
Check rubbing strip fitted and no sharp fixings	Yes / No	Adjusted or replacement rubbing strip to be inspected	Yes / No
Check keel pin present and operational	Yes / No	Adjusted or replacement pin/ keel to be inspected	Yes / No
Check mainsheet shackle moves freely on traveler	Yes / No	Adjusted or replacement traveler to be inspected	Yes / No
Check tow line and bailer present	Yes / No	Replacement tow line and bailer to be inspected	Yes / No
Courtesy check of fittings, blocks and adaptations to ensure they are not dangerous or likely to fail	Yes / No	Advise competitor	
<b>Measurement &amp; checks completed and okay</b>	<b>Yes / No</b>	<b>Notes:</b>	
<b>Name:</b>			
<b>Signature:</b>			
<b>Date:</b>			

<b>Liberty</b>			
<b>Competitor Name:</b>		<b>Weight Equalisation</b>	
<b>Nationality:</b>		Hull (incl. rudder boxes, seating & servo gear)	Kg
<b>Type (Manual / Partial Servo / Full Servo):</b>		Keel	Kg
<b>Deck Colour:</b>		Competitor & Additional Equipment	Kg
<b>Sail No:</b>		Regatta Minimum Weight	Kg
		Sailor Corrector Weight (ballast) to be carried	Kg
<b>Measurement / Check</b>	<b>Compliant?</b>	<b>If No - Action</b>	<b>Compliant?</b>
Hull & Sail Numbers agree with International Register	Yes / No	Confirm Authenticity	Yes / No
Weigh Hull – Minimum 80Kg	Yes / No	Corrector weights to minimum	Yes / No
Weigh Keel – Min. 70Kg, Max. 80Kg	Yes / No	Corrector weights to minimum	Yes / No
Keel Length = 1320mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Rudder Length = 1085mm (+/- 5mm)	Yes / No	Adjusted or replacement foils to be measured	Yes / No
Main Mast Length Overall = 5675mm (+/- 5mm)	Yes / No	Adjusted or replacement mast to be measured	Yes / No
Foremast Length Above Drum = 3250mm (+/- 5mm)	Yes / No	Adjusted or replacement mast to be measured	Yes / No
Sail does not exceed maximum dimensions	Yes / No	Reject or apply sail measurement procedure	Yes / No
National Letters & Sail Numbers in accordance with class rules – 175mm high and positioned near clew	Yes / No	Adjusted or replacement sails to be inspected	Yes / No
Check rubbing strip fitted and no sharp fixings	Yes / No	Adjusted or replacement rubbing strip to be inspected	Yes / No
Check keel pin present and operational	Yes / No	Adjusted or replacement pin/ keel to be inspected	Yes / No
Check mainsheet shackle moves freely on traveler	Yes / No	Adjusted or replacement traveler to be inspected	Yes / No
Check tow line and bailer present	Yes / No	Replacement tow line and bailer to be inspected	Yes / No
Courtesy check of fittings, blocks and adaptations to ensure they are not dangerous or likely to fail	Yes / No	Advise competitor	
<b>Measurement &amp; checks completed and okay</b>	<b>Yes / No</b>	<b>Notes:</b>	
<b>Name:</b>			
<b>Signature:</b>			
<b>Date:</b>			

## **Hansa Classes Sail Measurement Procedure - August 2013**

The Hansa Class sail measurement template or a measured sail can be used to compare competitors' sails in order to expedite measurement. Where there is notable variation in any dimensions, the competitors sail should be measured in accordance with the following procedure.

Sail Measurements shall include:

### **Maximum Luff**

Measured around the luff curve, from the top forward corner of the luff pocket (head) to the tack

### **Maximum Leech**

Straight line measurement from the top front corner of the luff pocket (head) to the clew

### **Maximum Foot**

Straight line measurement from clew to front of luff pocket at tack

### **Maximum Head to Centre of Foot**

Straight line measurement to control amount of foot round

### **Mid Girth**

Measured from mid point on leech to nearest point on leading edge of luff pocket

### **Windows (if applicable)**

Measured to the maximum cut-out of the polyester material (visibly transparent area)

Other checks to be completed:

1. Manufactured by approved Hansa Sailing Systems sailmaker
2. Fabric is woven polyester and capable of being folded / rolled
3. Battens shall not be fitted
4. Size and location of sail numbers and Hansa insignia as per rules appendix
5. Sponsors logos do not obscure insignia, numbers or letters

Sails that comply with the above requirements should be signed and dated by a Hansa Class National or International Measurer or event Equipment Inspector.

# Hansa Class Sail Measurement Form

**Class:** Hansa 2.3 / Hansa 303 / Liberty

**Sail Number:** .....

**Competitor's Name:** .....

**Date:** .....

Sail Measurements (in millimeters)	Maximum Luff	Maximum Leech	Maximum Foot	Maximum Head to Centre Foot	Maximum Mid Girth
Hansa 2.3 Main	3500	3650	2300	3440	1150
<i>Measured</i>					
Hansa 303 Main	4000	4060	2300	3940	1155
<i>Measured</i>					
Hansa 303 Jib	2500	2470	1200	2475	n/a
<i>Measured</i>					
Liberty Main	4900	4615	2445	4670	1190
<i>Measured</i>					
Liberty Jib	3150	2900	1300	3025	n/a
<i>Measured</i>					

Sail Window Measurements (in millimeters)	Main Window Height	Main Window Width	Jib Window Height	Jib Window Width
Hansa 2.3	Not Permitted	Not Permitted	Not Applicable	Not Applicable
<i>Checked</i>			-	-
Hansa 303	250	950	300	450
<i>Measured</i>				
Liberty	500	900	250	600
<i>Measured</i>				

**Checks completed:**

- Manufactured by registered Hansa Sailing Systems sailmaker (Horizon, Hyde, Super)
- Fabric is woven polyester and capable of being folded / rolled
- Battens shall not be fitted
- Size and location of sail numbers and Hansa insignia as per rules appendix
- Sponsors logos do not obscure insignia, numbers or letters
- Compliant sail signed & dated

**Measurer / Equipment Inspector Name** .....

**Signature** .....

**Notes** .....

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