

# Measurement Instructions

Welcome to North Flathead YC and the 77<sup>th</sup> Thistle Nationals. There are five measurements this year: Sail Inventory, All Up Boat Weight, Flotation, J-measurement, and Spinnaker pole length. We will also be checking Safety Equipment.

We have 90 boats to measure. We are trying to keep this simple and, at the same time, maintain the integrity of our one design class. We ask for your patience and your preparation for this process to go smoothly. It is important that when you show up at the measurement station you have everything you need to be measured. Please read these instructions carefully. If you are not prepared, we may ask you to come back later so we can measure boats quickly.

## First, please put your name and boat number on both sheets.

All boat measurement will be in the back of the main parking lot at NFYC. Boat weight and corrector weights, flotation checks, spinnaker pole length, j-measurement, and safety equipment will all be measured **at the same time**.

Please be sure you bring all necessary items to be measured, as described below, and this form to make sure there are no delays.

Sail Inventory (form on the next page) will be on the buddy system. On the form you must list each of your sails and the date you acquired each sail. **The date of acquisition must also be on the sail on the royalty tag.** You may register two mainsails, two jibs, and one spinnaker. The measurement committee will also be spot checking that the form and sails are marked.

We will not measure all sails. If your sails are existing designs from North, Quantum, or Evolution we will not measure your sails. However, if you have sails from any other sailmaker or a new design from the three listed, those sails **must** be measured. Sail measurement will be in the gym at the middle school. Please contact Wayne Pignolet at 208-262-6997 to arrange measurement. Please note, the Measurement Committee reserves the right to measure any sail at any time.

Please return the form to Registration after boat and equipment have been checked.

<b>Skipper Name</b>		<b>Sail #</b>	
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<b>Hull Weight &amp; Flotation Check</b>			
<b>Item</b>	<b>Notes</b>	<b>Check</b>	<b>Measurer</b>
<b>All up weight</b>	515 pounds minimum. Weight does not include sails, jib sheets, spinnaker pole, paddle, life preservers, anchor and line, and similar readily removable items. The rudder, tiller, mainsheet and attached hardware and rigging is included. Please make sure your tank covers are open and that the tanks are dry.  <b>Please record weight</b>	Preliminary	<b>Initials</b>
		Final	
<b>Hull corrector weights</b>	Shall be firmly attached to the hull, either exposed, or if inside a tank, located immediately adjacent to an inspection port. Half of the weight shall be located at or ahead of the chain plates with the other half located at least 6' 0" aft of the chain plates. Any weight more than 15 pounds shall be evenly divided and placed half in the bow and half in the stern with the two halves at least 16' apart.  <b>Please record weight of correctors, if needed.</b>	Preliminary	<b>Initials</b>
		Final	
<b>Flotation</b>	On glass hulls, check all tanks to ensure that they are dry. Forward and seat tanks must be filled with positive flotation. An integral stern tank or positive flotation is required.  On wood hulls, check for positive flotation under the stern grating and forward of the partners. Flotation under the seats may be positive (unicellular foam) or air inflated bags. All flotation must be securely attached to the hull.	Check Ok	<b>Initials</b>
<b>Spinnaker Pole Length</b>	The length of the pole shall be limited to <b>six feet overall, including the fittings.</b>	Check OK	<b>Initials</b>
<b>"J" Measurement</b>	Minimum 4' 9" measured perpendicular to the mast.	Check OK	<b>Initials</b>

# Measurement Instructions

<b>Skipper Name</b>		<b>Sail #</b>	
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Please list each sail with full details as requested below. Please note, according to class rules the acquisition date is the date the sail was delivered, not the date of first use. Please also put the date in permanent marker at the tack of the sail.

Sail Inventory - Buddy Checked					
Sail	Main #1	Main #2	Jib #1	Jib #2	Spinnaker
<b>Sailmaker</b>					
<b>Date of Acquisition</b>					
<b>Model</b>					
<b>Comment</b>					
<b>Contact Wayne Pignolet, Chief Measurer, if you have any questions or unresolved measurement discrepancies (mobile: 208-262-6997).</b>					<b>Measurer Initials</b>

Safety Equipment			
Item	Description	Check	Measurer Initials
<b>Anchor &amp; chain</b>	8 pounds minimum		
<b>Anchor line</b>	Line shall not be less than 1/4" in diameter, be at least 100' in length and not made up of more than two pieces of rope plus a chain.		
<b>PFD's</b>	One per person and Coast Guard Approved		
<b>Throwable life saving device</b>	Life jacket or cushion		
<b>Paddle or oar</b>	An adequate paddle or oar.		
<b>Bailing device(s)</b>	2-gallons minimum capacity		
<b>Whistle</b>	One whistle must be carried aboard the boat		

Please note, in order for us to minimize time spent measuring boats at this Nationals we want to remind all competitors of Article VIII Section 1. of the Class Constitution:

- "It is the owner's responsibility to see that his/her boat meets all the specifications of the Class. The Measurement Certificate contains only a few of the measurements of the Thistle. The owner is ultimately responsible for the accurate measurement and registration of their boat."

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Skipper's Signature

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Boat Number