

SeaWind Quick-Reference Tuning Guide

Congratulations on your purchase of a SeaWind Class racing yacht! This tuning reference guide is designed to give skippers new to RC sailboat racing some basic ideas toward the setup of their boat. They were compiled for the SeaWind Class Owners Association by the 2005 SeaWind National Champion, Doug Lanterman. These measurements are only supposed to provide a starting point for your own experimentation.

Tips for Measuring Mast Rake

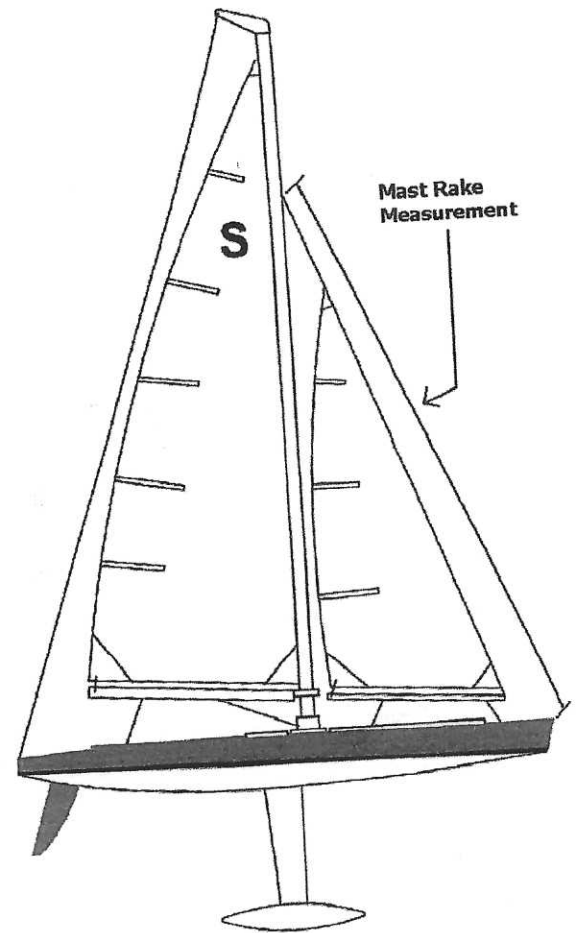
We've found that an easy alternative to using a measuring tape at the pond is to measure at home, and use a permanent marker to make marks on the jib halyard where it enters the fairlead on the mast for the various settings indicated. Then, at the pond adjust the jib halyard to line up with the marks you made (you may consider using different colored markers to more easily distinguish between settings).

Main Sail Twist

A good starting point for main twist with the boat on its side is to have the middle batten (the third one from the bottom or top) parallel with the centerline of the boat, the bottom batten slightly pointing in and the top batten parallel with the boom. This setting is used for all conditions except when the wind is constantly above 7 knots.

Sail Camber Using Inhaul Adjustments

To fully utilize this tuning guide—in particular, the main and jib sail camber settings, it is necessary to outfit your boat with 'inhaul line' adjusters within class rules. There are a variety of ways to do this, and for some good examples, please consult Doug Lanterman's full tuning guide article published in Model Yachting Magazine, and also available in Adobe PDF format on the SeaWind Resource Center web site. Measure camber using a tape measure.



Wind (Knots)	Light 0-2	Optimum 3-7	Strong 8-15	Extreme 15+
Mast Rake (top of forestay to tip of bow)	52" (1320 mm)	51 9/16" (1310 mm)	51 1/8" (1300 mm)	50 3/4" (1290 mm)
Main Boom (degrees from centerline)	5°	5°	8°	10°
Jib Club (degrees from centerline)	15°	15°	15°	15°
Back Stay Tension	Loose	Barely Tight (no mast bend)	Tight (some mast bend)	Very Tight (flat main sail)
Shroud Tension	Set shroud tension to make mast straight from side to side when viewed from top with boat laying on either side.			
*Main Sail Camber (base of sail to boom centerline with boat laying on it's side.)	1" (25 mm)	1 3/16" (30 mm)	3/4" (20 mm)	3/16" (5 mm)
*Jib Sail Camber (base of sail to boom centerline with boat laying on it's side.)	9/16" (15 mm)	1" (25 mm)	3/8" (10 mm)	3/16" (5 mm)