



J/22 Tuning Guide

Headstay Length

Headstay length determines mast prebend and to some degree, helm balance. To achieve maximum performance from your Ullman Sails, your headstay should set to 4' 10 7/8".

Adjust your headstay length by:

1. While connected to the spar, lay the headstay along the front of the mast down to the gooseneck. Place a piece of tape even with the top of the black band at the gooseneck.
2. Adjust the headstay at the bow.
3. Adjust the turnbuckle until the measurement from the tape to the intersection of the stem and bow plate is 4' 10 7/8".

Center the Mast at the Hounds

1. Measure 8' back from the stem head fitting and mark each rail with a permanent marker.
2. Attach a steel tape measure to jib halyard and raise a few feet.
3. Tighten each upper shroud length correspondingly from side to side until the mast is centered in the boat. Measure to each 8' mark to check. Tension uppers to 35 and lowers to 17 on the Loos gauge. Your rig is now setup for the base setting of 8-12 knots.

In order to double-check for correct rig setup, first check to see if the spar has the correct prebend of 1 1/2". Pull main halyard tight to the gooseneck. The distance between the back of the mast and the main halyard at the spreaders should be very close to 1 1/2".

*Note: Make sure that the backstay has zero tension before attempting to tune rig.

Rig Tension

Wind Strength in Knots:	0-3	4-8	9-11	12-15	16-19	20+
Shroud Tensions						
Uppers:	33	34	35	37	40	43
Lowers:	12	15	17	19	20	23

Note: When sailing to windward, the J/22 upper tensions should be tuned so that the leeward uppers are just starting to dangle. This chart should be used only as a reference point due to the inconsistencies of different tension gauges.

Again, due to the inconsistencies of tension gauges, the lowers should be checked by eye. When sailing to windward, close one eye and sight up the mainsail track. The lowers should be tensioned so that the mast is straight to the hounds. If the spar is sagging to leeward or windward, adjust lowers accordingly.

You will have to determine how many turns it will take to get from one setting to another. This depends on the types of turnbuckles you have. We recommend making your own chart, counting turns from the lowest setting to the highest. This will allow you to change your settings easily between races.

Tuning Guide Synopsis

Understanding how boat balance and rig tune affect the weather helm and sail shape throughout the wind range is an important aspect of getting the most performance out of your boat and sails. Proper tuning can make your racing much more rewarding and enjoyable. If you have any questions about this tuning guide or your Ullman Sails, please contact your local Ullman Sails loft.