



J-80 magical sail set tips....

- Do all of the following IN ORDER to make the most out of your sails.
- Head stay should be 32' 9.5" or 9.9992metres from the upper bearing surface of mast attachment to the centre of the headstay pin.
- Move the aft side of the mast step (at the mast) to 9.75" or 246mm forward of the bulkhead. This develops 2" to 3" or 50 to 70mm of prebend.
- Measure the tack fitting on your headstay to the rail on either side of the boat 9.5' back. Attach 30LB weight on your jib halyard and hang it over the side. The weight should hang so that the halyard rubs against the rail at the mark that you just made. Now mark the halyard at the rail of the boat. After you have made the mark on one side, pick up the weight and mark on the other side of the boat. If the mast is centered the mark on the halyard should hit the rail the same on either side of the boat.
- Tighten the upper shrouds 10 turns. **Loose gauge should read 28.**
- Turn the intermediates hand tight. Sight up the back of the mast to insure that it is straight. The intermediates can now be tightened. **Loose gauge should read 8.**
- Turn the lowers hand tight. Sight up the back of the mast to insure that it is straight. Adjust the tension until the mast is straight from side to side. **Tighten the lowers, loose gauge should read 15.**
- How the rig should be adjusted according to different conditions.

Knots	0-4	4-8	Full turns	8-14	Full turns	14-20	20+
Uppers	18	22	4 ←	28	1 ←	30	34
Intermediates	0	5	½ ←	8	½ ←	14	20
Lowers	0	8		15	2 ½ ←	22	26

- The key to rig tension is to not have the leeward shrouds loose over 10 knots of breeze. Therefore tighten both sides equally if you see slackness.
- In less than 10 knots, it is acceptable to have loose lowers and intermediates.