

## Mast Rake Tuning

- 1) Pull on rig tension until it reads 30 on the tension meter. (Always take the reading at shoulder height up the shroud).
- 2) Tie the tape measure to the end of the main halyard and pull to the top of the mast. Then lower it slightly until it measures 16'1½" at the top of the black band at the gooseneck.
- 3) Pull the tape measure to the transom & take the measurement at the top edge of the transom. We are aiming for a reading of 19'11" here (with 30 on the rig tension). So if it is 19'11" leave it and put a pen mark on the mast lining up with where the rig tension block/hook is. Label this mark 'L' and record which hole the shrouds are in on the chain plates. This is your light wind setting.
- 4) If it does not read 19'11" then take the rig tension off & move the shrouds down the chain plates if the reading is above 19'11", and up the plates if it is below. (Each hole on the chain plates will make a difference of roughly 1½" to your measurement).
- 5) Repeat steps 1-4 until you achieve 19'11" with 30 on the rig tension.
- 6) Then, repeat steps 1-4 but to get a measurement of 19'9¾". Once achieved mark the mast with 'M' and again record the hole number (which is usually a hole down from the light wind setting). This is your medium wind setting.  
Don't worry if a rig tension of 31 is needed to achieve this measurement.
- 7) Then, do the same again but to get 19'8½" using 31-32 on the rig tension. Mark this as 'S' on your mast and record the hole number, (which is usually a hole down from the medium setting). This is your strong wind setting.
- 8) If you & your crew are very light you may like to set up 19'7" with 31-32 on the rig tension. Use this only in very windy conditions.

The strengths of wind at which you should change settings depends entirely on your crew weight:

Use the light wind setting upto the point where you become overpowered. i.e. your crew is flat wiring and you are having to play more than 6" of mainsail.

Then change to medium wind settings. If you are then having to play more than 6" of mainsail all the time on medium settings then change to strong wind settings.

Always choose the setting that best suits the strength of the **lulls**.