

# Measuring Mast Rake

Attach the jib and load the rig to 15 on the rig tension gauge. Measure this at shoulder height on the shroud.

Tie a tape measure onto the main halyard.

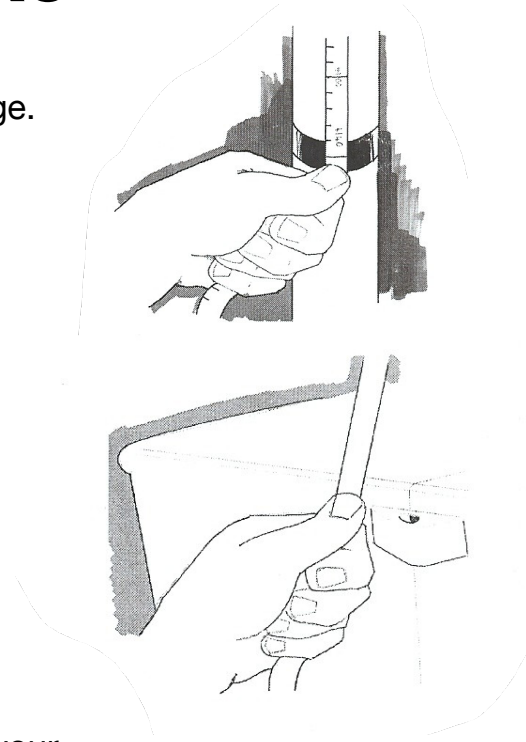
Pull up the halyard until the tape reads 4140mm on top of the gooseneck black band.

Cleat and re check

Measure mast rake at the back of the boat by pulling the tape measure down to the transom.

To adjust mast rake you will need to release the jib and adjust the shroud plates and repeat.

It's a good idea to write down your settings so can adjust your mast rake easily as conditions change.



## Ideal mast rake

	<b>Light Winds</b>	<b>Light Winds</b>	<b>Medium Winds</b>	<b>Medium Winds</b>	<b>Heavy Winds</b>	<b>Heavy Winds</b>
	<b>0-5 knots</b>	<b>0-5 knots</b>	<b>5-15 knots</b>	<b>5-15 knots</b>	<b>15-30 knots</b>	<b>15-30 knots</b>
<b>Sea State</b>	Flat	Choppy	Flat	Choppy	Flat	Choppy
<b>Rig Tension</b>	12	12	15	15	16+	16+
<b>Mast Rake (mm)</b>	5000/5050	500/5050	4980/5000	4980/5000	4960/4980	4960/4980

# Cadet Tuning Guide

	Light Winds	Light Winds	Medium Winds	Medium Winds	Heavy Winds	Heavy Winds
	0-5 knots	0-5 knots	5-15 knots	5-15 knots	15-30 knots	15-30 knots
Sea State	Flat	Choppy	Flat	Choppy	Flat	Choppy
Jib tension	Open Leach	Open Leach	Tight	Open up in the chop	Very Tight	Tight
Barberhauler measurement, from jib clew to mast	225mm	250mm	175mm	175-200mm	125-150mm	150mm but consider NONE in really heavy wind
Kicker	None	None	Tensioned	Tensioned	Tight	Tight
Cunningham	None	None	None	None	Pull on to de-power	Small amount to de-power
Outhaul	Very very tight	Very very tight	Very tight	Tight	Very Tight	Tight
Mainsheet tension	Well eased using sheet from boom	Well eased using sheet from boom	Centred	Centred	Tight as possible	Tight as possible
Boat Heel	Slight leeward heel.	Slight leeward heel	Slight windward heel	Slight windward heel	Flat as possible - slightly to windward	Flat as possible - slightly to windward