MIRACLE TUNING GUIDE.

TUNING IS KEY TO PERFORMANCE – P&B TUNING GUIDES ARE CREATED, TRIED AND TESTED BY OUR SAILORS AND BRAND AMBASSADORS.

MAST RAKE AND RIG TENSIONS

Distance between the aft transom and the aft mast foot should be 2580mm measured from the back of the transom.

Mast rake, measured from the tip of the mast to the top of the transom. With the jib raised and with 180lbs tension on the shrouds use a tape measure attached to the main halyard and pull to its normal position and measure 5800mm.

As the wind increases slowly increase the rig tension to between 240 – 280lbs 21- 22 on a Loos gauge.

JIB FAIRLEADS

These should be positioned as inboard as class rules permit. Set the height so it bisects the clew at 45 degrees.

KICKER

Use to control the boom, try to use little is no tension in light conditions but as the wind increases start to pull more tension to control the top telltale – a good rule is that the top batten should be stalling 80% of the time. In heavy winds use plenty to de-power the boat, ease if you feel if you are lacking in power.

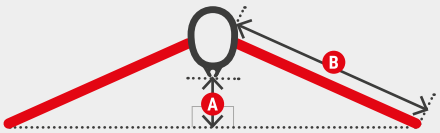
OUTHAUL

In very light conditions pull to the black band to flatten the base of the main, as the wind increases ease slightly to remove the creases and use this as your neutral position. In choppy conditions ease from neutral up to 1" to add power to the base of the sail. Windy conditions pull back to the black band.

CUNNINGHAM

This should only be used in windy conditions or when overpowered.

CROSS SECTION VIEW OF MAST + SPREADERS



Take measurement A by intersecting a line between spreader ends with a perpendicular line from the mast track. Measurement B is taken from the side wall of the mast section to the spreader end.

MAST:	**A = 140mm**
SELDEN / SUPERSPARS	**B = 350mm**