

# DF 65 Tuning Guide

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|   |   | A+   | A   | B  | C  |
|---|---|--|---|--|--|
| <b>Est. wind range - depends on wave action &amp; tacking ability</b> |   | <b>0 - 10 kts</b>                                  | <b>8 - 12 kts</b>   | <b>&gt; 13 kts</b>                                 | <b>&gt; 20 kts</b>                                 |
| <b>Mast Gate</b>  | Distance from Jib Pivot Eyelet to front of Mast<br>(Can also use gate control as a ram to induce mast bend without changing forestay).  | <b>3rd</b> line<br>(175 mm)                        | <b>4th</b> Line<br>(176 mm)                                 | <b>5th</b> Line<br>(177 mm)                        | <b>Max</b> Aft<br>(178 mm)                         |
| <b>Mast Rake</b>  | <b>A+</b> From backstay crane hole to top of backstay hook<br><b>A, B, C</b> From top of Forestay tang to top of backstay hook.   | <b>949</b> mm.<br>From soft to firm as wind builds | <b>785</b> mm.<br>Slightly firmer backstay & tight forestay | <b>700</b> mm.<br>Firmer backstay & tight forestay | <b>620</b> mm.<br>Firmer backstay & tight forestay |
| <b>Mast Bend</b>  | Tension Backstay so Mast bend matches Mainsail luff, so sail easily flops from side to side when tilted   | Soft settings                                      | <b>Match luff round</b>                                     | Match luff round                                   | Match luff round                                   |
| <b>Boom Outhaul Sail Depth</b>  | At centre of Jib Boom deepest point   | <b>20-25</b> mm,<br>15 mm at top of range          | <b>15-20</b> mm   | <b>15-20</b> mm                                    | <b>10-15</b> mm                                    |
|   | At centre of Main Boom deepest point  | <b>25-30</b> mm,<br>15 mm at top of range          | <b>15-25</b> mm   | <b>15-20</b> mm                                    | <b>10-20</b> mm                                    |
| <b>Boom - Close hauled</b>  | <b>Jib - from Mast centre to end of Jib Boom.</b><br>Place small mark on deck   | <b>38-43</b> mm                                    | <b>40-45</b> mm   | <b>35-45</b> mm                                    | <b>40-45</b> mm                                    |
|   | <b>Main - from centreline at end of Main Boom.</b><br>(Adjust Tx for exponential adjustment for last 20 mm sheet travel for high and low pointing mode)   | <b>15-20</b> mm                                    | <b>15-20</b> mm   | <b>15-25</b> mm                                    | <b>15-25</b> mm                                    |
| <b>Leech Twist</b>  | <b>Jib - from Centre of Mast to leech at mid point of jib leech.</b> Draw small dot on leech at halfway point. (Adjust to balance rig. Let <b>out</b> if bearing away - <b>In</b> if rounding up) | <b>50-55</b> mm,<br>more twist at top of range     | <b>40-50</b> mm   | <b>25-45</b> mm                                    | <b>35-45</b> mm                                    |
|   | <b>Main - from Backstay to leech at middle batten.</b> Adjust to minimise rounding up. <b>In</b> if bearing away - <b>Out</b> if rounding up  | <b>40-55</b> mm,<br>more twist at top of range     | <b>60-70</b> mm   | <b>45</b> mm                                       | <b>45</b> mm                                       |

**Red Base settings for mid wind range. Adjust depending on boat's performance to achieve a balance rig with little steering.**

|                       |                          |   |
|-----------------------|--------------------------|---|
| <b>Common Mistake</b> | <b>Late for Start</b>    | Test angles both sides and Keep clear of other boats                                |
|                       | <b>Hit Marks</b>         | Blink eyes approaching marks. Allow wider clearances, minimise port tack approaches |
|                       | <b>Wrong Course</b>      | Pay attention!  |
|                       | <b>Hit Other boats</b>   | Correct protest and remember Sail Nos and incident                                  |
|                       | <b>Boat not balanced</b> | Use Guide to avoid rudder movement, pre-race testing against another boat           |
|                       | <b>Broke Start</b>       | Practice Timing and acceleration rate   |