



Dragonforce 65 Tuning Guide

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1st January 2020

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Estimated wind range - depends on wave action and tacking ability

| | | A+ | A | B | C |
|--------------------------------|--|---|--|---|---|
| | | 0 - 10 kts | 8 - 15 kts | > 15 kts | > 20 kts |
| Mast Gate | Distance from Jib Pivot Eyelet to front of Mast (Can also use gate control as a ram to induce mast bend without changing forestay). | 3rd line (175 mm) | 4th Line (176 mm) | 5th Line (177 mm) | Max Aft (178 mm) |
| Mast Rake | A+ From backstay crane hole to top of backstay hook A, B, C From top of Forestay tang to top of backstay hook. | 951 mm. From soft to firm as wind builds | 785 mm. Slightly firmer backstay & tight forestay | 698 mm. Firmer backstay & tight forestay | 620 mm. Firmer backstay & tight forestay |
| Mast Bend | Tension Backstay so Mast bend matches Mainsail luff, so sail easily flops from side to side when tilted | Soft settings | Match luff round | Match luff round | Match luff round |
| Boom Outhaul Sail Depth | At centre of Jib Boom deepest point | 20-25 mm, 15 mm at top of range | 15-20 mm | 15-20 mm | 10-15 mm |
| | At centre of Main Boom deepest point | 25-30 mm, 15 mm at top of range | 15-25 mm | 15-20 mm | 10-20 mm |
| Boom - Close hauled | Jib - from Mast centre to end of Jib Boom. Place small mark on deck | 38-43 mm | 40-45mm | 40-45mm | 40-45mm |
| | Main - from centreline at end of Main Boom. (Adjust Tx for exponential adjustment for last 20 mm sheet travel for high and low pointing mode) | 8-15 mm | 10-20 mm | 15-25 mm | 15-25 mm |
| Leech Twist | Jib - from Centre of Mast to leech at mid point of jib leech. Draw small dot on leech at halfway point. (Adjust to balance rig. Let out if bearing away - In if rounding up) | 50-60 mm, more twist at top of range | 40-50 mm | 30-45 mm | 35-45 mm |
| | Main - from Backstay to leech at middle batten. Adjust to minimise rounding up. In if bearing away - Out if rounding up | 40-55 mm, more twist at top of range | 65-75 mm | 55 mm | 45 mm |

Adapted from Tuning experience, Assembly Manual & Soch Guide

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