

CAPE 31 2023 TUNING GUIDE

TWS (knots)	Caps (RT-10)	Headstay	D1	D2	Notes	Sails
0-7	(39-40) -2	Base -6	Base -2	Base		J1 A1.5 / A1
8-11	(41-42) -1	Base -4	Base -1	Base	Ideally looking for mid mast sag	J1 or J2 A1.5
12-14	44 BASE	Base @ 1.71m	Hand Tight	To be set when sailing tace to tach		J2 A1.5 or A2
15-17	(45) +1	Base +3	Base +1	Base +1		J2 A2
18-21	(46) +2	Base +5	Base +2	Base +2	D's required if looking for max headstay	J3 A2
21+	(48) +3	Base +6	Base +2	Base +1	Looking for tip of mast to fall off to leeward	J3 / J4 A2+

Tuning Notes:

- BAS swing from top of band at gooseneck to forestay and then from that point on forestay to deck this should be 1.71m with 44 on Caps (RT - 10)
- Runner max load according to builders is 1.7tonne. Please note that the jib tack pulls on the centre of the load cell pin and is in the region of 200kg to 300kg sometimes .
- Hand tight D1's at base : they won't register on the gauge
- Setting up D2's sight rig and use D2's to adjust into column . In 19knots plus set up for a small amount of tip to leeward.
- Jib Cross overs : J1 0 to 10knots / J2 11 to 17knots / J3 17 to 22 knots / J4 22 knots plus !
- Taking J2 up range there is benefit to having some stiffer battens especially if you don't have a j3 .
- Mainsail : important to set up floating tack to maximise power downwind and in light airs / stiffer battens are an option in over 18knots
- Jib track positions 0 to 6 knots one hole out and then max inboard till Approx 18knots track out 1 hole and then at 23knots 2 holes out .
- Mast Butt position : 130mm to 140mm from aft face of mast to front keel bolt