



Etchells Tuning Chart

Wind (kts)		Drifter to 6 knots	6kts - 9kts	10kts - 15kts	15kts to 20kts	20kts plus
Crew	Helm and Crew Positioning	Helm in-out, crew leeward	Helm out, crew 1 in to all out	All out hiking	All out hiking	All out hiking
Rig Setup	Rake/Forestay	1210	1205			1195
	Mast Base	5-7mm aft of base	Base to 3-5mm aft	Base to 5mm forward of base	8mm forward of base	10mm fwd of base
	Chocks Behind	1	0 (hard against back of mast gate)	0	0	0
	Side-stay Tension (loose gauge)	14-16	17-20	21-24	25-26	27-28
	Mast Sag Sideways	15mm	25mm	25mm	10mm	Straight
Mainsail Trim	Outhaul	Off 25mm	Off 25mm to 10mm (sea state)	Firm	Hard	Max
	Cunningham	Off	Off	Off	Firm up (remove wrinkles)	on hard
	Boom Position	Leeward edge of boom, centerline of boat	Leeward edge of boom 25-50mm up (sea state)	Leeward edge of boom 0-25mm up (sea state)	Boom on centerline	windward edge of boom on centerline
	Backstay	course tune to 1/4 on	1/4 on	1/4 to 1/2	1/2 to 3/4	3/4 - full
	Top Batten Angle	open 5 deg to boom	Open 5 degrees to parallel with boom	Paralell with Boom	Parallel with boom to open 5 degrees	open 5 to 10 deg to boom
	Leech Telltale	tell tale 100% flowing	50% flowing	50-75% flowing	75% flowing	100% flowing



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Jib Trim	Jib Choice	LT or Medium	Medium to Heavy	Heavy	Heavy	Heavy
	Jib Luff	Small Scallops	Very small scallops	Remove scallops	Remove scallops - tight	Tight - max
	Leech	Outer band	In-between bands	In-between bands	In-between bands to outer band	outside outer band
	Foot	Relaxed	Relaxed	Relaxed to Firm	Firm	Tight
Spinnaker Trim	Spinnaker Choice	Might Mitre' VMG or VMG Mitre	VMG Mitre or Radial Runner	Radial Runner	Radial Runner	Radial Runner
	Pole Height	3"-4" below mark: VMG	2" below to on mark	On Mark	2-3" above mark: projected tack	on or below mark: safety
	Pole Position	forward for optimal VMG	Nearly max aft	Max aft	Max aft	forward a bit: safety
<p>*MAST BASELINE: Put a mark 3655mm back from back edge of mast gate on aft deck and then measure 3820mm down to I-beam and place mark, put back of mast on this mark (APPROX 5330-5345 ON MOST BOATS MEASURED FROM TRANSOM)</p>						
<p>*** CHANGING GEARS: change caps/lowers in full turns (Single body turnbuckles) 3&4, 6&8, 9&12, or 12&16. Caps & lowers to go up/down in wind range. I.E.: to go from 6-9kt to 10-15k setting go up 3 turns caps & 4 turns lowers, to go from 6-9kt setting to 15-20kt setting, go up 6/8 in caps/lowers, to go down from 15-20kt setting to 0-6kt setting go down 9/12 caps/lowers full turns... ***</p>						