



C&C 30 One Design Quick Tune

1/29/16 V3

TWS	Headstay	Shims	Rake	Uppers	D1's	D2's	Mast	Vang	Traveler	Runner	Jib	Jib Car	Jib	Spin
Knots	Turns from base	mm Height	Degrees	Turns	Turns	Turns	Step	Upwind	Mainsheet	Upwind		Upwind	Downwind	
0 to 6	- 5	0	2.5	- 1	- 2	- 2	aft 10mm	0	max up	25%	J1	3/4	down	A1.5
6 to 8	0	3	2.25	0	0	0	aft 5mm	0	3/4 up	30%	J1	max in	down	A1.5
8 to 10	BASE	6	2	0	0	0	max fwd	25%	3/4 up to mid	50%	J2	3/4	up/dwn	A2
10 to 14	+ 5	9	1.5	0	0	0	max fwd	30%	middle	75%	J2	1/2	up	A2
14 to 18	+ 10	12	1.25	0	0	0	max fwd	50%	down 1/4	90%	J2	1/4	up	A2
18 to 22	+ 15	19	1.25	+ 1	0	0	max fwd	80%	down 1/4	max	J3	1/2	up	A1.5
22+	+ 20	19	1.25	+ 2	+ 2	+ 2	max fwd	max	mid to dwn	max	J3	1/2	up	A1.5

\*All turns from Base Setting of 8 to 10 TWS

BASE SETTINGS			
Shroud	Tensions	Port	Starboard
V1	40 PT-2	mm	mm
D1	25 PT-2	mm	mm
D2	38 PT-1	mm	mm
Headstay	Caliper #	mm	
Headstay	ARC #	1.846 mm	
Headstay	Pin to Pin #	12.8 mm	

\*Use Calipers to measure distance between turnbuckles once rig is set up at base for repeatability. Record here on this chart.

This Quick Tune Guide is for C&C 30's with the recommended mast jack system which makes for easy and quick rig tune adjustments.  
 Measure ARC from top of white band at gooseneck swung out to mark on headstay or headfoil. ARC # to headstay pin at BASE should be 1.846 m. 1.865 to sheer/deck at BASE  
 Headstay length at BASE should be 12.80 m from top headstay pin to bottom headstay pin. 13.03 m from intersection of headstay/mast to intersection of the deck at the sheer  
 Mast step should be all the forward at BASE setting for 10+ TWS. Move aft as it gets lighter under 8 TWS.  
 Add Spar Tight to mast partners to get mast square and all the way aft in deck partners.  
 15mm or 5 full turns of headstay adjustment equals .25 degrees of rake  
 Max runner is fast in over 16 TWS. Add runner tension until mainsail just starts to over bend then ease slightly until main is set up smooth at the bottom draft stripe.  
 Use the PT-2 Gauge for the V1 and D1 shrouds and the PT-1 Gauge for the D2 shrouds. BASE #'s should be 40 on the V1's , 25 on the D1's and 38 on the D2's  
 Add 6 mm of shims for the BASE settings and set up  
 Max J should be 3.450 m



**Sail Chart**

Sail # : \_\_\_\_\_

Boat Name : \_\_\_\_\_

Date : \_\_\_\_\_

Sail	Code	Date	Man.# Q Job #	Royalty Buttons	Limitation Marks	Notes Cloth, Colors, Details	Regattas Used	Use Days of use
Main								
J1								
J2								
J3								
A1.5								
A2								

2016 Class Rule= 10 Sail Buttons per new boat for first year  
 We recommend AIRX650 (.75oz.) for all class spinnakers



**Crew Chart**

Name	Position	Weight	Cell#	E-Mail	Notes
	Helm				
	Tactician/Runner				
	Mainsail Trimmer				
	Trimmer				
	Offside Trimmer				
	Pit				
	Bow				

Total crew wt. = 1 lbs.



We recommend sailing with 7 sailors and a all up crew weight range around 1200 lbs. to 1250 lbs. for class racing.



**Schedule**

2016

Regatta	Date	Location	Notes			
Quantum KWRW	Jan. 17-22	Key West, FL				
CGSC Winter Series	Feb 19-21	Miami, FL				
Charleston Race Week	April 14-17	Charleston, SC				
Annapolis NOOD	April 29 - May 1	Annapolis, MD				
NYYC Annual	June 10-12	Newport, RI				
NYYC Race Week	July 13-16	Newport, RI				
Storm Trysail Fall	Oct. 21-23	Annapolis, MD				

 <i>C&amp;C 30 Upwind</i>					
TWS	BS	TWA	TACK		
4	5.8	45	90		
6	5.9	45	90		
8	6.1	41	85		
10	6.2	41	85		
12	6.3	39	80		
14	6.4	38	75		
16	6.5	37	75		
18	6.7	38	75		
20	6.8	38	75		
25	6.9	39	80		
 <i>C&amp;C 30 Downwind</i>					
TWS	BS	TWA	JIBE		
4	5	135	90		
6	6	135	90		
8	6.5	144	72		
10	7	148	64		
12	7.5	150	70		
14	8	152	60		

16	12	150	60		
18	14	145	70		
20	16	148	64		
25	18	148	64		