

Dragon - On the Water Tuning Guide

Wind	Light 0-5knts	Medium 6-16knts	Heavy 17+knts	Comments
Sail Inventory	Mainsail A-7+ for Std. Petti & BB Manisail A-10 for stiff Petti mast Genoa LJ-4 / MJ-8 Spinnaker CX-8	Mainsail A-7+ for Std. Petti & BB Manisail A-10 for stiff Petti mast Genoa MJ-8 Spinnaker CX-9	Mainsail A-7+ for Std. Petti & BB Manisail A-10 for stiff Petti mast Genoa MJ-8 / MJ-8-H Spinnaker CX-9	The sea conditions and waves can chance the wind range in the sail inventory
Mast Rake	121,5 cm (Petticrow) 119,0 cm (BB)	121,5 cm (Petticrow) 119,0 cm (BB)	121,5 cm (Petticrow) 119,0 cm (BB)	Transfer black mark at mast to forstay Measure along the forstay to deck level
Mast Ram	Mast 1,5 cm forward at deck level	Mast neutral	Mast 2,5 cm forward at deck level	If you struggle with pointing, pull the mast back
Mast Position	83,0 cm (Petticrow) 81,5 cm (BB)	83,0 cm (Petticrow) 81,5 cm (BB)	83,0 cm (Petticrow) 81,5 cm (BB)	Mast position at deck level is taken from station 4
Jumpers (adjustable)	Loose	Mast straight	Mast straight	Make sure the mast is straight from side to side
Jumpers (fixed)	Loos gauge tension 6	Loos gauge tension 6	Loos gauge tension 6	
Upper Shrouds	Loose gauge tension 14 for Std. Petti & BB and 12 for stiff Petti mast minus 1 turn	Loose gauge tension 14 for Std. Petti & BB and 12 for stiff Petti mast plus 1-2 turns	Loose gauge tension 14 for Std. Petti & BB and 12 for stiff Petti mast plus 3 turns	Tension is taken without plastic. Shroud position from station 4. is 83 cm all time, for light crew 80 cm
Lower Shrouds	Let the mast bend 1 cm to leeward at spreader level	Mast straight	Mast straight plus 1-1½ turn so the mast bends to windward	When you set the mast straight, look up at the sail groove
Backstay	Little tension in the very light	Just tight to prevent the mast top from moving in waves	Just tight to prevent the mast top from moving in waves	Little tension in the very light to pre-bend the mast
Runners	Slack to 15 -16 cm above deck Mark # 4	From 15 - 5 cm above deck Mark # 3 - # 2	From 5 - 0 cm this is maximum Mark # 1	Mark # 1 (tape) runners at through deck level such that the forestay reads 30 on the Loos gauge. This is the maximum runner setting
Mainsail	Light sheeting; upper telltales flying straight back	Sheet until the top batten is parallel with the boom; upper telltales 20% on leeward side	Sheet until the main is flying nicely the top batten is 2 degrees twisted to leeward, telltales are flying straight back	If you struggle with pointing, you must pull the sheet harder, but check the mast ram first
Main Traveller	To windward; boom on middle	To windward; boom on middle	On the middle and up to 10 cm to leeward	The boat has to be light on the helm
Outhaul	2,0cm from black band	1cm from black band	All the way out to black band	The sail has to be flat along the boom in heavy wind
Cunningham	Loose	Loose - just remove wrinkles along luff	Just remove wrinkles along the luff	In very heavy winds, you can pull hard to move draft forward
Boomvang	Loose Make sure it is cleated for the run	Loose Make sure it is cleated for the run	Loose Make sure it is cleated for the run	On the reach and run pull so the top batten is parallel to the boom
Genoa Sheet	Pull so the foot just touches the schroud at deck level	Pull until the foot is touching 10 cm up at shrouds	Pull until the foot is touching 25 cm up at shrouds	
Genoa Barberhaul	Mark #4 / 15 cm out of cuddy 15-18 cm from the spreader	Mark #2 / 9 - 10 cm out of cuddy 5 cm from the spreader	Mark #3 / 10 - 12 cm out of cuddy 8 cm from the spreader	
Genoa Halyard	Small wrinkels along the luff	Just remove wrinkels along the luff	Just remove wrinkels along the luff	Make sure that the luff is NOT overstretched that make the boat very slow

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