

# NAERA F18 EVOLUTION

## Tuning guide

Conditions			Mast						Daggerboards										Jib	
wind strength	Mast rake for crew weight on board*			Spreader angle for crew weight on board*			Rig tension	Diamond tension	Outhaul*	Windward board	Leeward board	windward board	leeward board	Board rake for crew weight on board *			Clew position*	Center traveler position*		
	140kg	150kg	160kg	140kg	150kg	160kg				Upwind		Downwind		140 kg	150 kg	160 kg				
Untill 6 knots							180 kg	225 kg	Just not touching the boom	up 80cm	down	up 80 cm	down	27 mm	32 mm	37 mm	middle	8		
6 to 12 knots	5.8°	5.4°	5°	55mm	50mm	45mm	180 kg	280 kg			up 10 cm		up 10 cm	27 mm	32 mm	37 mm	middle	8		
12 to 18 knots							200 kg	360 kg			up 20 cm		up 20 cm	22 mm	27 mm	32 mm	middle	8		
More then 18 knots							220 kg	400kg			up 30 cm		up 30 cm	22 mm	27 mm	32 mm	bottom	9		

\*To measure the spreader rake, place a batten across the diamond stays next to the spreaders. Then, measure the distance from the batten to the mainsail track. This measurement must be taken with a minium of 225 kg of tension on the diamond stays.



\* Mast rotation is set so that the spreader tip is approximately 10 cm behind the leech of the jib in all conditions. Note: When the cunningham is adjusted, mast rotation must be readjusted accordingly.



\* The jib car should be positioned at the center of the numbers indicated on the self-tacker Nacra sticker.



\* Mainsail boom outhaul settings are set with mainsail cunningham tension so that the sail has just enough tension to remove the wrinkles. Then apply enough outhaul so that, when sailing upwind, the foot of the sail is almost touching the boom.

\* Board rake can be found by measuring the distance between the daggerboard case front and the bearing  
37mm = 0° | 32mm = -0,5° | 27mm = -1° | 22mm = -1,5°



\* Clew position Jib is the position of the shackle on the clew board.



\*Mast rake can be measured by comparing the angle of the mast to the transom using a level app on your phone. Make sure the shroud tension is set to 180 kg before taking measurements.

