

NORTH SAILS

J/109 Quick Reference Tuning Guide

Basic Set-Up			
Mast Step	460mm-Mast step is measured from forward face of mast to aft edge of bulkhead		
Headstay	2260mm-Arc measurment*		
Pre Bend	20mm-With no mainsail up		

*Arc Measurement-pull genoa halyard to the top of the black band at the gooseneck. Swing the halyard out to the headstay and make a mark.Measure from mark down to the deack at the headstay intersection.

Rig Tensions-Using RT-10			
True Wind	Upper Shroud V1	Lower Shroud D1	Intermediate Shroud D2
0-10	Minus 4 Turns	Minus 2.5 Turns	Minus 2.5 Turns
10-15 BASE	55	30	15
15-20	Plus 3 Turns	Plus 2 Turns	Plus 2 Turns



J/109 Tuning Guide - Base Settings

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- [J/105](#)
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J/109 Results:



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Base Settings for 10-15 knots True Wind Speed

Headstay	Mast Butt	Max J	Pre-Bend	Upper Shroud V1	Lower Shroud D1	Intermediate Shroud D2
2260mm	460mm	4050mm	20mm	55 units	30 units	15 units

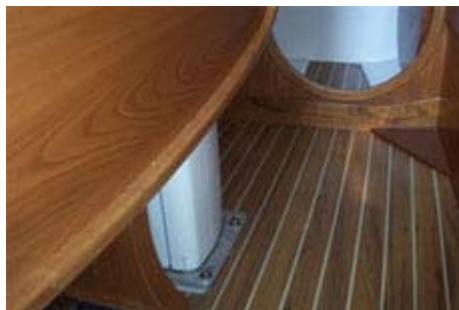
Shroud tensions measured on RT-10 Loos gauge

Headstay is measured using swing arc method. Pull the genoa halyard tight down front of mast. Mark halyard at top of the BAS band. Swing halyard forward to headstay and mark the headstay. Measure down the headstay from the intersection of headstay and deck going to the side of the roller-furling drum.

The mast butt is measured from forward face of mast to aft edge of bulkhead. This corresponds to forward most position in the slider.



Pre-Bend is measured at point of maximum deflection between S1 and S2 (below).



J Dimension is measured from intersection of stem at shear to forward face of mast (below.)



Shroud Adjustments Matrix

True Wind Speed	Upper Shroud V1	Lower Shroud D1	Intermediate Shroud D2
5-10 knots	-4 Turns	-2.5 Turns	-2.5 Turns
10-15 knots	Base 55	Base 30	Base 15



North Sails is working harder than ever to help our customers compete and enjoy their J/109. [Tom Castiglione](#), [Paul van Dyke](#) and



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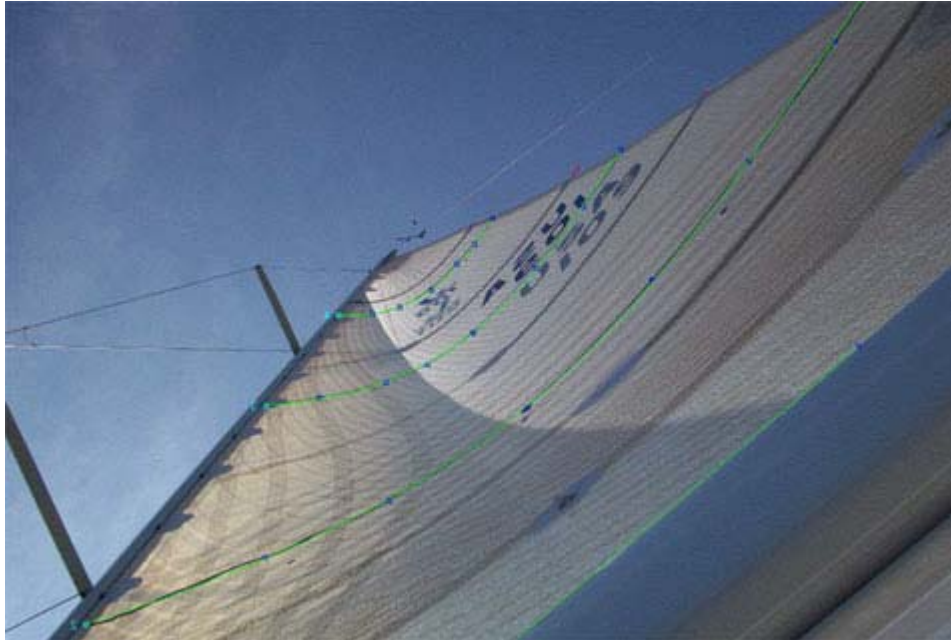
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J/109 Mainsail Overpowered



J/109 Jib No Backstay



J/109 Jib Hard Backstay



North Sails is working harder than ever to help our customers compete and enjoy their J/109. [Tom Castiglione](#), [Paul van Dyke](#) and [Jack Orr](#) (from left to right) of North's Connecticut and Long Island Lofts, head the Class Development Program (CDP) for the J/109 class. Browse through the information on this site and if you have additional questions, feel free to contact any one of these class leaders. They can also direct you to the North representative and/or J/109 expert nearest you.