

ONESAILS

Boat Type:	J 109	Boat Name:	J/109
J measurement:	4.065m	MAST TYPE:	Sparcraft
Mast foot:	480mm	NO OF SPREADERS:	2
Date	01/01/2022	MATERIAL:	Aluminium

Base Settings: The starting point for all rig settings and are used between 8 - 18kts. It is always a good idea to adjust all rig settings back to base at the end of a days sailing otherwise it is easy to forget or lose the reference point.

Forestay Length: Forestay is measured by taking the Genoa halyard to the black band on the goosneck and then swinging it forward to the forestay. Mark the forestay where the halyard meets it and then measure from that mark down to the centreline of the forestay attachment pin at the deck

Jib Cars: As supplied by the manufacturer with holes numbered from 1 going forward

Cap shrouds, D1s and D2s: Base settings measured with Loos RT10M rig tension guage. Light and Heavy settings achieved by adjusting bottlescrews on or off from the BASE settings.

Tips: With the swept back spreader rig it is important not to over tension the cap shrouds or the mast will compress and fall off at the top.

Hints: **The aim with D1s and D2s:** adjust until the mast is straight sideways when sailing upwind. Mark all the bottlescrews so that it is clear the correct way to turn if you want to tighten or loosen the rig!

Wind strength	0 – 8 knots (Light)	8-18 Knots (BASE)	18 Knots + (Heavy)
Forestay	-5	2220mm	+5
Cap shrouds	-1	P50 & S50	+2
D1s (lowers)	-1	P55 & S55	+2
D2s (uppers)	-	P22 & S22	+1
Jack Pressure	N/A	N/A	N/A
Boom	Boom on centreline	centreline/start to play traveller	play traveller
Backstay (upwind)	from loose to 1/3 on at 8 kts	1/3rd on at 8 kts to maximum at 18 kts	Maximum> Horizontal creases from 1st spreader to clew just beginning to show at times
Backstay (downwind)	Off	Off	1/3 on
Main Cunningham	Slack	Take up slack	Slack > tighten fully at upper end of wind range
Jib luff tension	Horizontal creases just showing	Horizontal creases removed	Tight with no horizontal creases
Vang (upwind)	Slack	Take up slack	Just tight > tighten fully at upper end of wind range
Main foot (upwind)	At middle of foot 40mm from boom	At middle of foot 20mm from boom	At middle of foot tight against boom
Main foot (downwind)	At max depth 50mm from boom	At max depth 100mm from boom	At max depth 100mm from boom
General comments:	Always make a note of your fast settings including wind speed, sea state, crew position etc after sailing.		