

## **Interpretation and clarification of [J/109 Rigging & Specification Published 8/24/05](#)**

### **General Specifications.**

No changes allowed unless clearly specified in the current class rules.

### **Mast & Boom.**

No changes allowed unless clearly specified in the current class rules. See rules 4.4.5 a & b as well as the 30 November 2016 posting in the Forum class rules discussion regarding sprit end cap design. External track for main “slugs” allowed.

### **Standing Rigging (Rod)**

No changes allowed unless clearly specified in the current class rules.

It has been posted on the Forum that some US built boats have shortened the upper part of the backstay, as long as it is not shorter than the French built boats, it will be “grand fathered”. Backstay adjusters may be replaced with the same size units from Harken, Sailtec or Navtec.

### **Running Rigging.**

Posted list of cordage should be viewed as a snapshot of what was available/suitable at that time. It is a benefit to the class/owners to take advantage of the development of new lines at lower costs than in the past.

Rope manufacturer, core material or color-coding is not restricted and substitutions are allowed as long as the selected line is suitable and safe for the loads involved. Type of shackle or method of attaching lines to sails is not restricted.

No lines thinner than 1/4” (6 mm) are allowed as control lines handled by the crew, thinner lines are allowed in primary tackles or cascades. Lines made of PBO (or similar “exotic”) cores are not allowed.

Lines for the first reef must be rigged on the boom ready to attach to the mainsail, discontinuous lines for the first reef are allowed.

Maximum Genoa adjuster controls is 8:1, see rule 4.3.17.

### **Specifications of control systems not mentioned in this or other documents.**

Vang 12:1 (Hall, Spartech, Selden or Nautos)

Outhaul 8:1

Cunningham 4:1/8:1

Please Note: This information was accurate, to the best of our knowledge, as of the date on the document. All dimensions, especially for standing rigging, should be confirmed with measurements from existing parts, and consultation with vendors.

J Boats, Inc.

## J/109 Rigging & Specifications

24-Aug-05

General Specifications						
LOA	35.25			100% Sail Area	644	
LWL	30.50			I	46.50	
Beam	11.50			ISP	49.60	
Standard Draft	7.00			J	13.30	
Displacement	10,900			P	43.25	
Engine	28 hp			E	15.50	
Water	50 gal			J/Sprit	5.50	
Standard Keel (lead)	3,900			Dspl/L	172	
Headroom	6'2"			SA/Dspl	21	
Height of Boat w/Standard Keel	13'1"			PHRF Rating (recommended)	69	
Height of Boat w/Shoal Keel Option	11'10"			IRC Rating (approx w/145% genoa)	1.03	

  

Mast & Boom	
Builder	Sparcraft
Mast Section	F305
Boom Section	F550
Tack Set-up	1-9/16"
Tack Set-back	2"
Clew Set-up	Loose Foot
Feeder Type	Gate
Mast length	54'5"
Mast height above water	53'5"

  

Running Rigging						
ITEM	QTY	SIZE	MATERIAL	SHACKLE / FINISH	LENGTH	NOTES
MAIN HALYARD	1	3/8"	ARACOM T BLUE FLECK	WICHARD 1494	110	
GENOA HALYARD	1	3/8"	ARACOM T RED FLECK	EYESPLICE	115	
SPINNAKER HALYARD	1	10MM	DSK75 PY GREY/ YELLOW	WICHARD 2653 W/ STOP BALL	125	33' TAPER
1ST REEF LINE CONTINUOUS	1	7/16"	XLS BLUE FLECK	WHIP/FLEMISH	75	
2ND CLEW REEF LINE	1	7/16"	XLS GREEN FLECK	WHIP/FLEMISH	60	
SPINNAKER SHEET	2	8MM	WARPSPEED TAN/ BLUE	TAPER/ WHIP	85	20' TAPER
JIB/GENOA SHEET	2	7/16"	XLS SOLID RED	WHIP ENDS	45	
TRAVELLER CONTROL	2	5/16"	XLS SOLID BLACK	EYE/WHIP	20	
TACK LINE	1	3/8"	XLS WHITE	WHIP ENDS	60	
CUNNINGHAM LINE/TACK REEF #2	1	3/8"	XLS SOLID GREEN	WHIP ENDS	50	
POLE CONTROL	1	3/8"	LS WHITE	WHIP/ FLEMISH	48	
MAINSHEET	1	7/16"	XLS WHITE	EYE/ WHIP	95	
GENOA ADJUSTER CONTROLS 4:1	2	3/8"	XLS BLUE FLECK	EYE/ WHIP	55	
MAINSHEET FINETUNE	1	3/8"	XLS GREEN FLECK	EYE/ WHIP	20	
POLE RETRACTOR	1	5/16"	SHOCK CORD RED	BURN/ BURN	15	
MISC	1	1/4"	SHOCK CORD BLUE	CUT	36	
BLOCK STROP MATERIAL	1	1/4"	SHOCK CORD BLUE	CUT	4	

  

Standing Rigging (Rod)						
ITEM	QTY	SIZE	TERM TOP	TERM BOTTOM	LENGTH	PIN DIA.
Headstay	1	-10	Eye	Harken Furler Stud	48' 2-3/4"	1/2"
US Built Boats: Backstay	1	-8	Eye	Eye	48' 10-7/8"	1/2"
French Built Boats: Backstay	1	-8	Eye	Eye	47' 10"	?
Upper Shrouds	2	-10	Shell+Ball	turnbuckle	32' 10-1/8"	1/2"
Lower Shrouds	2	-10	Ball (BF3)	turnbuckle	17' 8"	1/2"
Intermediates	2	-6	Ball (BF3)	turnbuckle	33' 0-3/4"	7/16"
Roller Furler	1	Harken Unit 1				
Hydraulics US Built Boats	1	Sailtec	-10 Custom w/9.5" throw			1/2"
Hydraulics French Built Boats	1	Navtec	Model Number?			