

Stays and shrouds

All stays and shrouds are 1x19 Sailbrite 316 stainless steel wire with swage fittings to chrome-plated bronze turnbuckles.

The backstay is divided by insulators into three lengths, so the insulated length can be used as the antenna for the MF/HF radio. A Mobri radar reflector is attached to the upper length of the backstay.

Stay	Diameter (inches)	Length (pin to pin) (feet and inches)	Breaking Strength (lbs)	Tension (lbs) (theory)	Loos Gauge figure
Headstay	9/32	40' 2.75"	8700		
Bobstay	3/8	8' 0.5"	14800		
Whisker stays	1/4	14' 0.5"	6900		
Staysail stay	9/32	26' 6"	8700		
Cap shrouds	1/4	37' 9"	6900	1035- 1400	39-40
Intermediate shrouds	1/4	26' 7.5"	6900	1035	39-40
Lower forward shrouds	1/4	15' 4"	6900	690	36-37
Lower aft shrouds	1/4	15' 8.5"	6900	690	36-37
Backstay	9/32		8700	1740	48
Boomkin stay	5/16	3' 10"	10600		

Stay and Shroud tension: Loos gauge figures

	BCC28-116 Zygote		BCC28-118 White Wings III
	Aug 2002	Jan 2003	
Whisker – Port			37
Whisker – Stbd			37
Staysail	41	40	42
Cap – Port	41	42	41
Cap – Starboard	41	42	41
Intermediate - Port	42	39	39
Intermediate - Stbd	41	39	39
Lower Fwd - Port	33.5	36.5	37
Lower Fwd - Stbd	35	36.5	37
Lower Aft - Port	37	35	? 37
Lower Aft - Stbd	35	35	? 37
Backstay	43	47.5	47