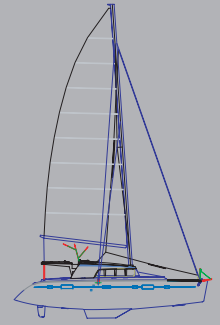


ELEGANCE &
SOLIDITY



>> Multihull specifications

The specific geometry of multihulls requires meticulous design and realisation, as well as good experience. Sparcraft offers all that. We have proved this in the realisation of large series and have developed other products specially for multihulls.

MULTIHULLS MASTS

CATAMARAN OPTIMIZATION

Multihull sections	P36
Catamaran accessories	P37
Catamaran beams	P38

Photo : Vallerie Tommerre



MULTIHULL MASTS



MULTIHULL MASTS

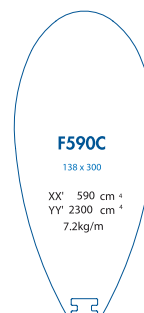
Safely Sparcraft

The specific geometry of multihulls requires meticulous design and realisation, as well as good experience. Sparcraft offers all that. We have proved this in the realisation of large series and have developed other products specially for multihulls.

SPECIFIC MULTIHULL SECTIONS

Multihull sections

■ Sections: Sparcraft offers appropriate sections and optimizes the whole mast for all multihull specific geometries: wing masts, fixed mast with tripod, ...



Sections	Dimensions	Inertias / Cm ⁴		Weight	Slider or bolt rope (mm)	
		XX'	YY'			
F 32 C*	69 x 124	32	98	1,67	-	R 8 mm
F 49 C	74 x 135	49	138	1,9	-	R 8 mm
F 175 C	98 x 204	175	510	3,8	C 16 mm	-
F 590 C	138 x 300	590	2300	7,2	C 23 mm	-

*on special request only

SPECIFIC GEOMETRIES



■ Multihulls are mostly fitted with self-standing systems, which holds the mast by one forestay and two cap shrouds linked to the deck by chainplates.

These self-standing masts can be divided into two groups:

- pivoting masts called teardrop masts or wing masts (wing masts as found on Formula 28 and F 40);
- fixed masts.

These fixed masts are rigged in different ways:

- masts on tripods: the spreaders are connected to the front strut or jumper which stiffens the mast longitudinally.
- intermediate shapes: the mast is simply supported sideways by the spreaders and fwd lower shrouds (not self-standing lengthways, so no jumpers)
- "chimney" masts: with no front jumper nor spreaders, but the shrouds include lower shrouds and occasionally a staysail stay.

■ The Sparcraft constructions, approved by the greatest multihull yards, meet the demands of these various geometries. Our design unifies reliability and performance.



Gold Coast 65'

CUSTOM CATAMARANS



■ Custom: our means of design and production allow us to optimise the mast set-up, with parts adapted to your project (special spars, davit, chainplate,...)



SPARCRAFT TESTIMONIALS

SPARCRAFT Testimonials

■ Sparcraft References : AB Marine, Catana, Catlant 600, Foutaine Pajot, Gold Coast 62', Outremer, Yapluka 70, Lagoon, Monotype sailing one 25, Ocean Voyager 64 & 82, Switch...



© Outremer



© Outremer



Photo : Voilerie Tonnerre

CATAMARAN ACCESSORIES



■ Sparcraft makes many accessories for multihulls : crossbeams, struts, special requests,...

■ Sparcraft has designed specific crossbeams, with innovative structure and ergonomics. (See also page 38)

■ The whisker pole* bears and pushes forward (for more fluent manoeuvres) the asymmetrical spinnaker or the gennaker.

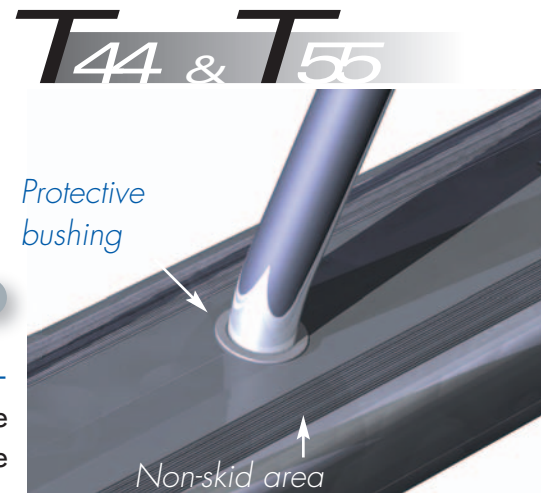
* Warning : The whisker pole is not supposed to bear the weight of person.



CROSSBEAMS FOR 37' TO 62' MULTIHULLS

Design and ergonomics

Sparcraft has developed a range of crossbeam sections especially designed for multihulls, bearing in mind safety, style, structure and easy assembly.



SPECIFIC CROSSBEAM SECTIONS



- **Maximum integration of structural elements** : chainplates and wire entries are blended in with the section; cavity for the strut,...

- **Carefully produced details** : electrolytic protection of all s/s connecting parts, nonslip

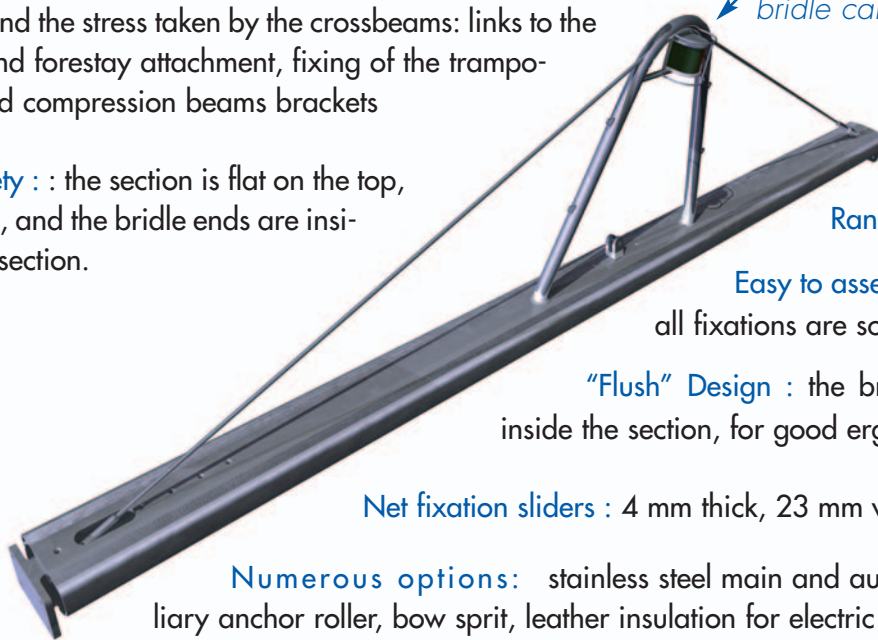
integrated chainplate

aluminium...

- **Special monohulls** : exclusive sections designed to withstand the stress taken by the crossbeams: links to the hulls and forestay attachment, fixing of the trampoline and compression beams brackets

- **Safety** : the section is flat on the top, nonslip, and the bridle ends are inside the section.

Build-in cathedral bridle cable



Range from 37' up to 62'

Easy to assemble : nothing is welded, all fixations are screws or rivets

"Flush" Design : the bridle ends are concealed inside the section, for good ergonomics and for safety

Net fixation sliders : 4 mm thick, 23 mm wide.

Numerous options: stainless steel main and auxiliary anchor roller, bow sprit, leather insulation for electric wires and arch, unsinkability, bi-color light with cables, s/s light guard, painting, compression beam bracket (for more options please ask us).



Type	Multihull overall length (feet)		Inertias (cm ⁴)	Dimensions (mm)	Weight Kg/M	ø Bridle (mm)	ø Forestay (mm)
	with compression beam	without compression beam					
T44	37 à 48' *	37 à 44' *	712 x 1773	125 x 228	8,2	ø 14	ø 10 ø 12 ø 14
T55	48 à 62' *	45 à 55' *	1970 x 4250	155 x 285	13	ø 16	ø 14
						ø 19	ø 14 ø 16 ø 19
						ø 22	ø 22

*The exact type of crossbeam can only be chosen after calculation by the Sparcraft team, with all data of the boat.