



Specifications of VINAIXA YACHTS construction for the IOM BritPOP!

Vinaixa Yachts has been chosen to construct the IOM BritPOP!, under license BG's Sails & Design designed by Brad Gibson.

The molds have designed and constructed, with the information contributed by the builder of the original design, shapes 3D, files CAD, etc.

Vinaixa Yachts has been characterized by the construction of his molds by means systems of mechanized by machines CNC. Having more than 25 years of experience in this field of the engineering for design and mechanized molds of the industry of automotion, naval sector (molds for laminated and pieces for equipments of 32, 33 and 34 America's Cup), being expert in CAD-CAM-CAE.



The hull and deck have laminated with two layers fabric of 165 grams/m² twill Sglas, joined both semihulls for two tapes of reinforcement of 20m/m of 200 grams/m². The used resin is epoxy Ampreg 26, of SP systems. Previously in the surface of the mold the gelcoat has been applied by spray (to unify the thickness and to save weight), reflecting the polished brilliant one of the mold in the finished superficial one.

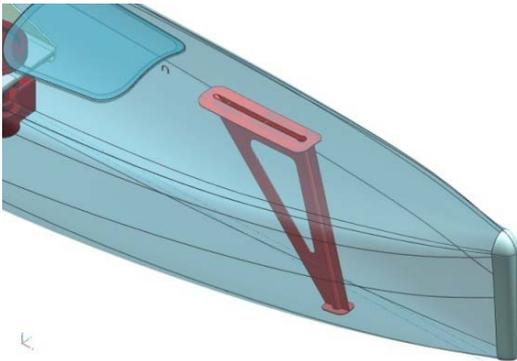
The keel and the rudder have been made by carbon Prepreg (with AP22, SP Systems), and core of foam epoxy. Previously it is applied gelcoat to the surface of the mold, thus it is not necessary to paint the pieces. The molds have been made with dural T6 and can be treated in autoclave.



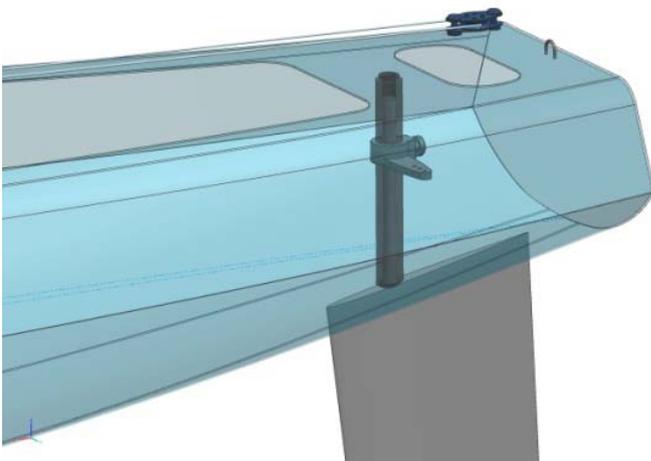
The bulb has system of union with the keel by means of nut, and the lead is alloyed by 6 % of antimony to give hardness.

Special details

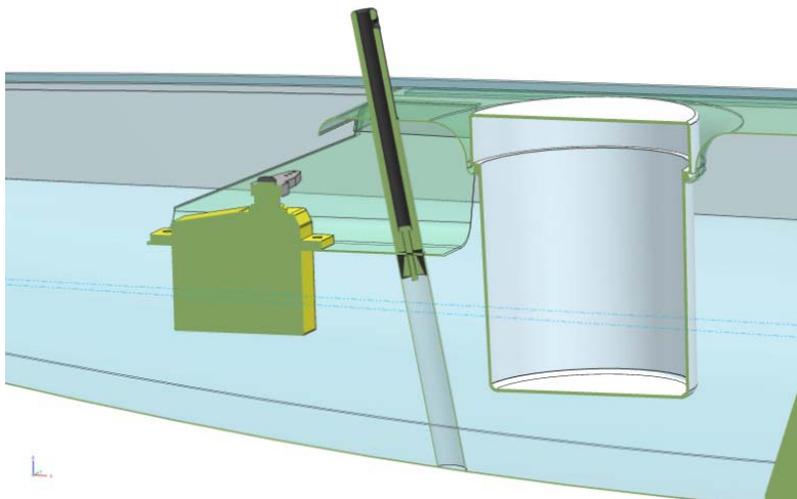
The eyes for subordination of the jib are under the line of cover, allowing this one freely of obstacles that they could cause hookings, beside being able to lower the boom to the maximum. For the jib "A" is provided by it with a thread (sheet), up to the bottom of the hull.



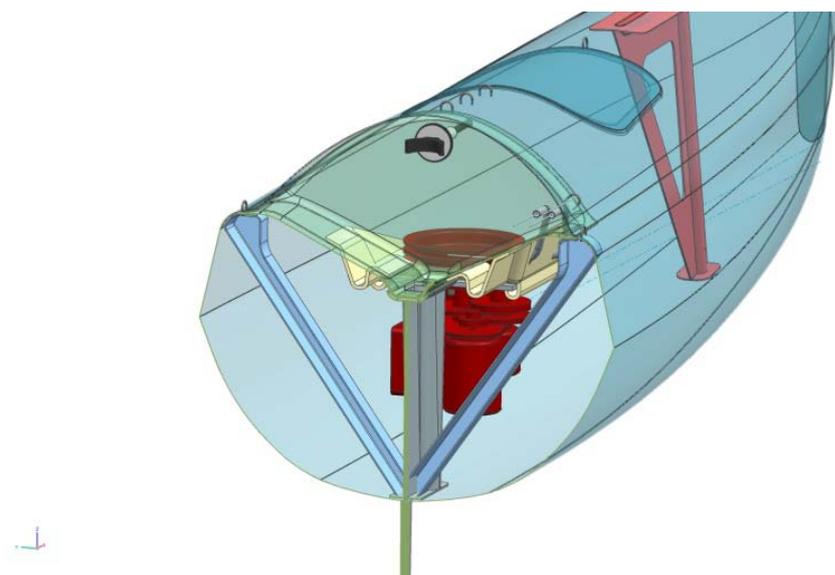
The tube of the rudder is made of Delrin, (resin acetal) of high resistance to the wear, and a favorable coefficient of friction. The draft is very soft and does not need lubrication. The bar of action between servo and rudder, it is made by pipe of carbon fiber.



The Mainsheet post is of original design, adjustably in height and takes fixation as an internal screw.

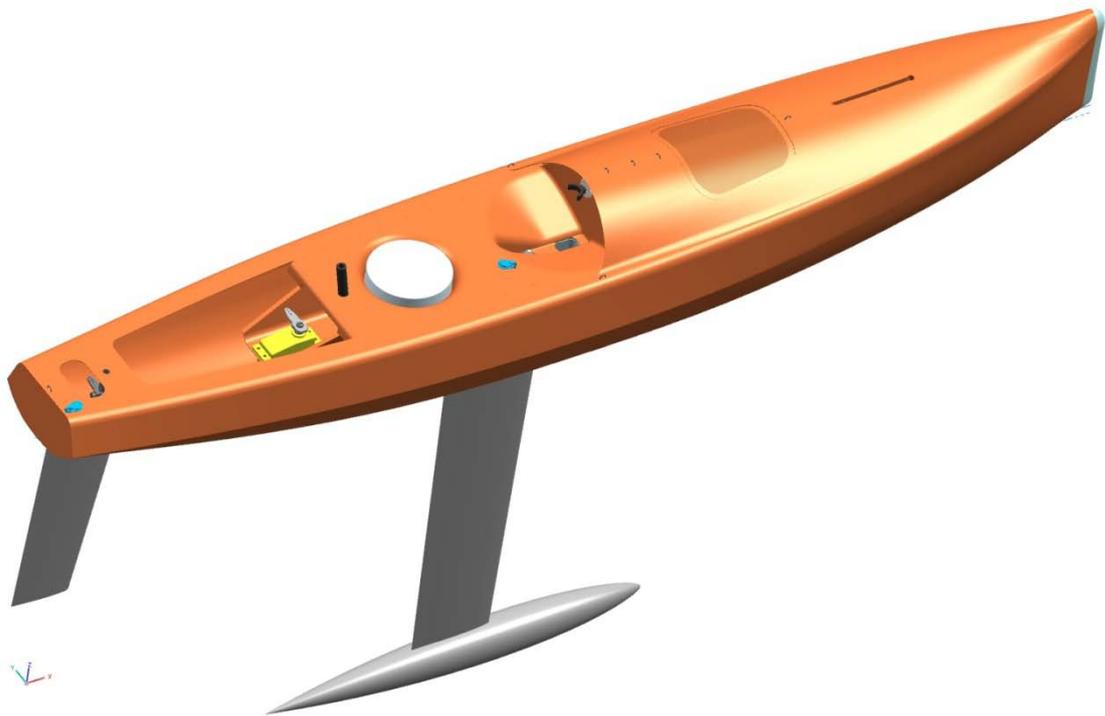


The eyes for the shrouds, are subject to a few suspenders, which in turn, are joined to the box of keel. This system does that he supports any tension of the shrouds, though it is excessive, and avoids the deformation of the hull.



The boat submits finished and prepared to install the sails and equipment of radio. There are options to deliver with the mounted winch and the servo rudder of installed. Together with the ship it submits (without cost), a defense of prow of refill, and the adapters / tips to mount 3 masts.

Pepe Vinaixa (Vinaixa Yachts)



Photos GBR 42, with authorization of Brad Gibson, BG Sails & Design.