

T680

Sport

Serious Fun
One Design Racing Yacht

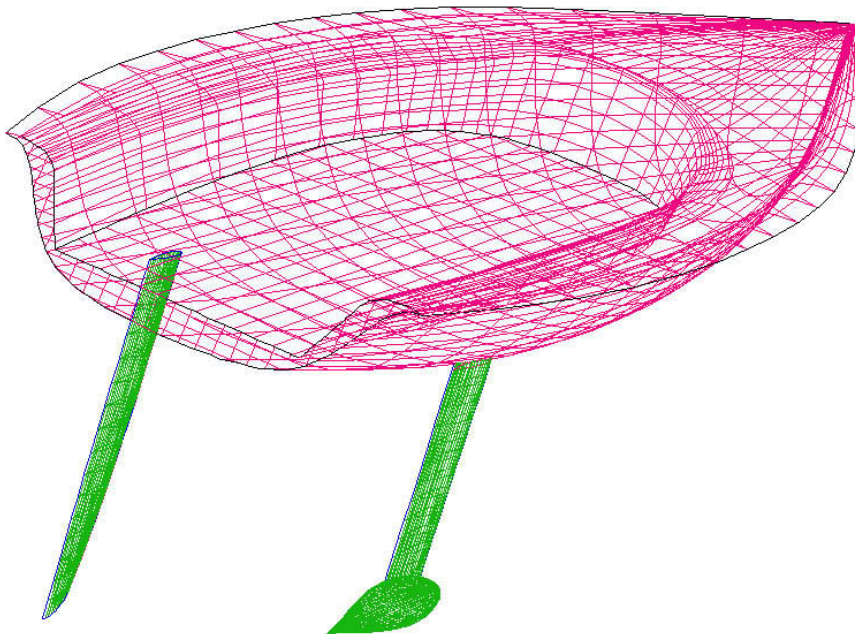
T680 Story

The T680 is a new design that will provide exhilarating performance and yet very affordable. The boat is very much a one design class and will only be built to the highest standards by builders licensed by Thompson Design.

The design is a development of the very successful T650

design that is developed as an amateur constructed boat.

The concept is for an easily sailed boat that is suitable for training and class regattas but retains all the exciting performance characteristics of the T650.



The boat will be built in two modes:

The Sport mode is the full on race boat built lightweight for racing.

The second is the Club mode built tough with a smaller sail plan suitable as a club trainer and "club Med" boat. Both boats are from the same moulds.

While the T680 is a strict one design class the boat will be more than competitive in general PHRF racing.

The class rules will ensure all the boats are identical and all boats will be certified as such by the builders.

The sail design rules allow for some flexibility in material, sailmaker and shape but are strictly one design in concept.

Construction

Construction is made in full female moulds using polyester Gelcoats and vacuum bagging the laminates to ensure strong and lightweight components. The keel and rudder are both composite with carbon fibre laminates.

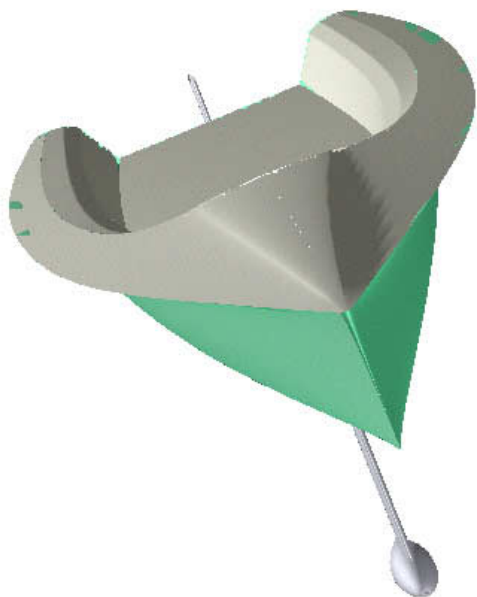


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The internal strengthening is part of the structural grid. Ventilation ports allow access to the inside that creates positive buoyancy when closed.

All of the boats are certified to comply with the class rules before leaving the factory. At present the first boats to this class are being built in Europe by our Turkish builders.



Sailing

The T680 is simply rigged with no backstay and a two piece carbon fibre mast that pulls apart for easy transporting.

It is simply stayed with two sets of aluminium spreaders and a jumper set at the I point to support the masthead spinnakers. The aft facing top jumpers allow for the mast to bend off in the puffs upwind making the boat very easy to sail in all conditions.

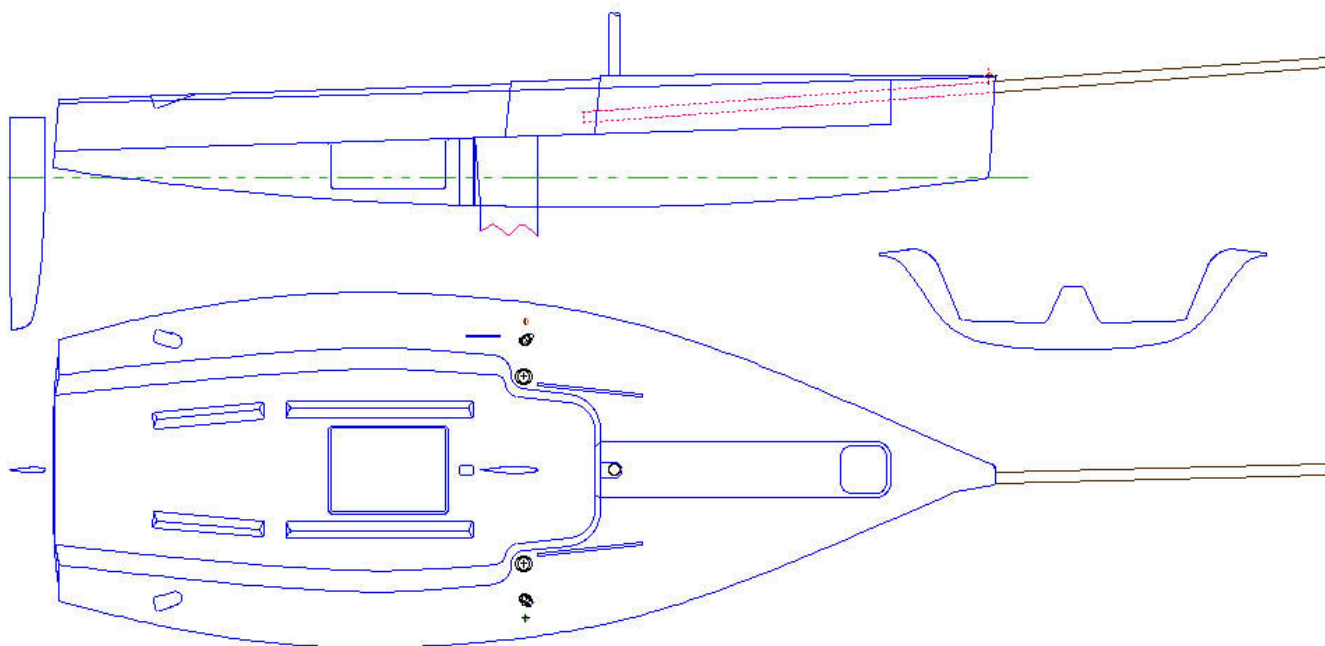
The rigging is all Dyform utilising special double acting adjustable turnbuckles for adjustment.

The mast is stepped on top of the tabernacle on the deck with all the halyard controls adjusted and cleated at the base.

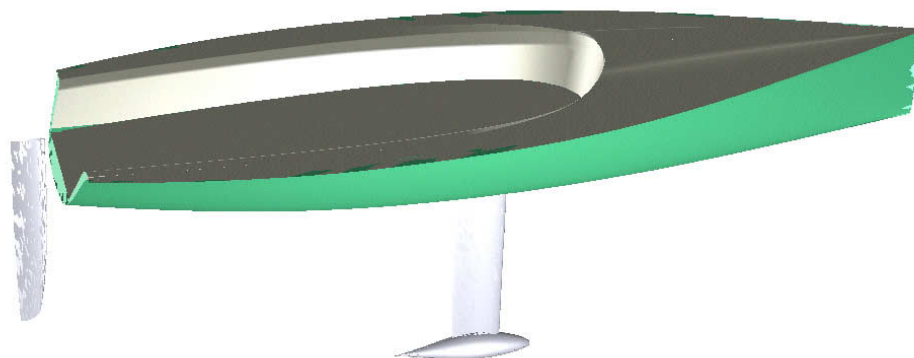
The bow prod is carbon fibre and is retractable. The spinnaker is pulled up and down in the chute under the forward deck hatch. A retrieve line from the middle of the spinnaker helps collapse the spinnaker into the chute making for easy retrieval.

The sail plan is very effective with a large roach mainsail, two jibs and one masthead spinnaker. The class rules allow very little tolerance in the mainsail and the biggest jib is regulated by the rigging wires. The spinnaker has a





maximum and minimum area measurement that allows for flexibility in the dimensions of the sail to allow for individual development.



Moving about....

The T680 is easily towed on the custom trailer behind a family car, the total weight being less than 1000kg.

The boat has an optional keel lifting crane that is used to wind up the keel for ramp launching. Alternatively the boat may be lifted by its central lifting hook on top of the keel for dry sailing.

Class racing...

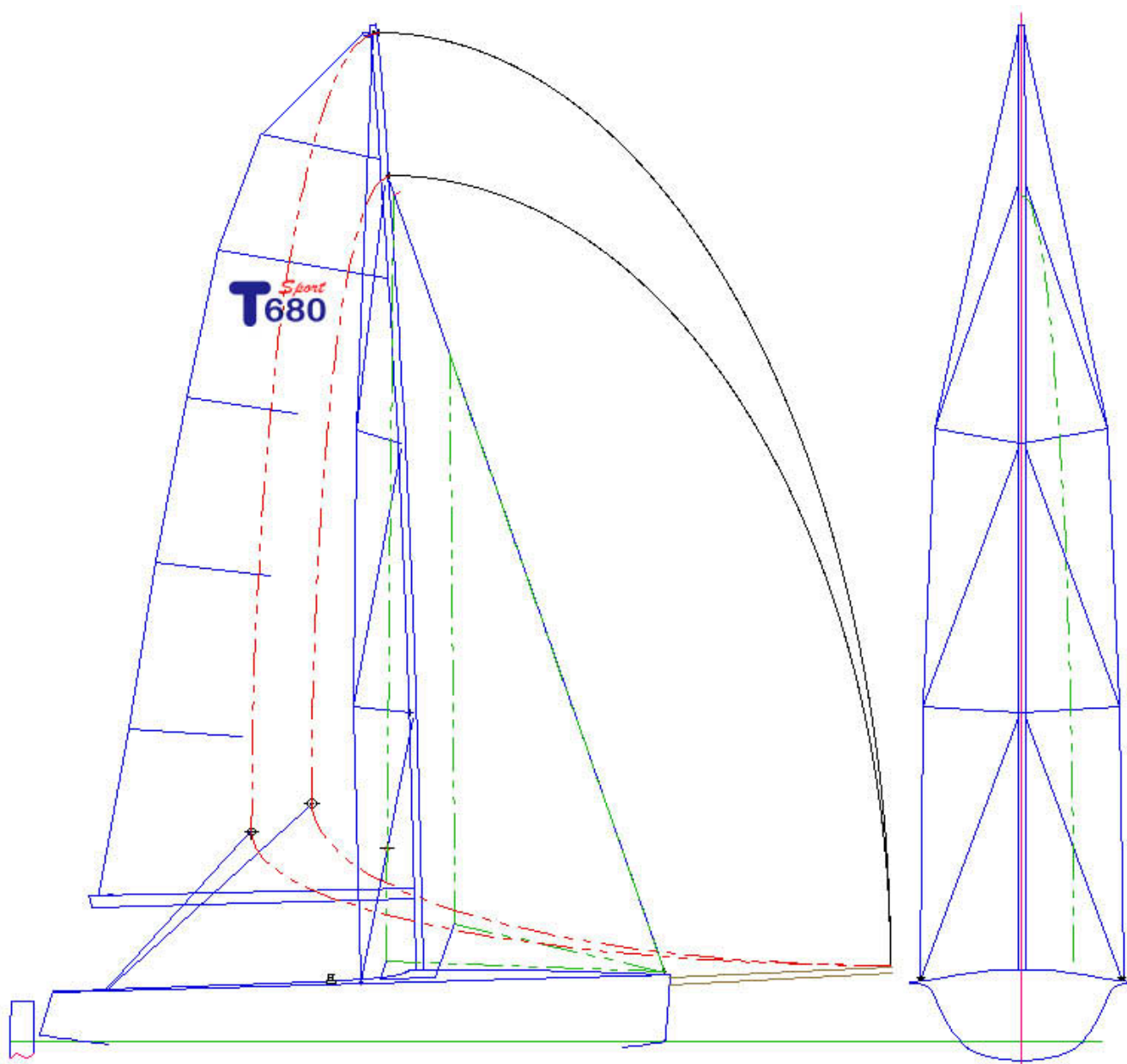
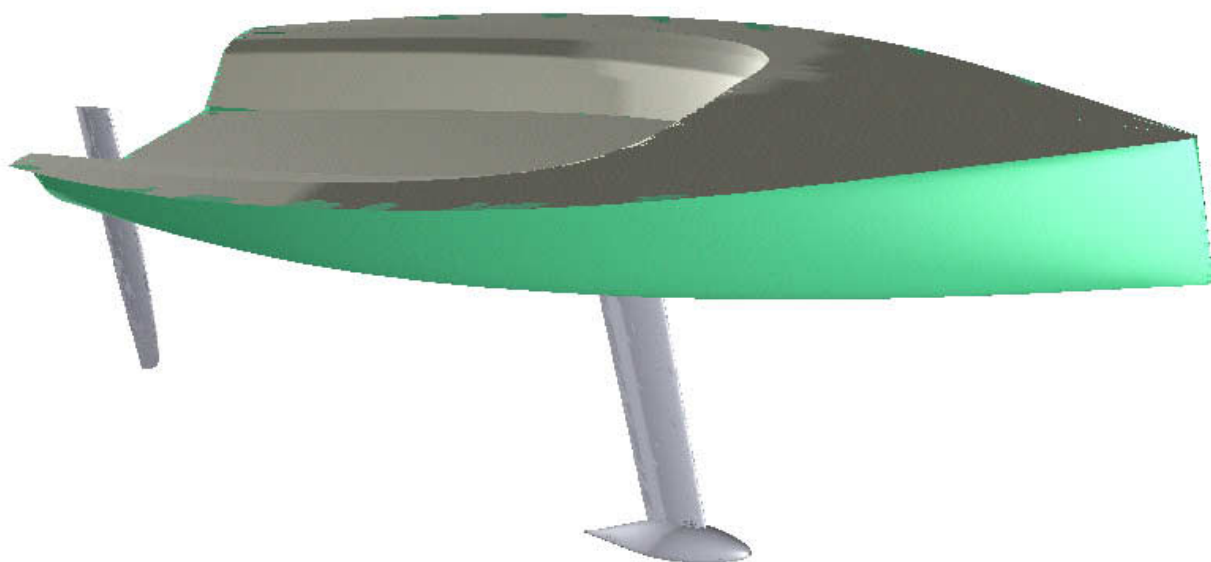
Thompson Design will initially maintain a web site for the class giving details of the builders, class rules and parts availability to the owners.

The web site will help with the promotion of organised class racing.



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