

Mclaughlin Optisailors Pro Racer Hull Specifications

“EXCLUSIVE CUSTOM INNOVATIONS TO KEEP YOU OUT FRONT”

The Optisailors Pro racer is engineered to be the absolute stiffest, highest quality and **THE MOST TECHNOLOGICALLY ADVANCED** Optimist available in the world. The details that make it so, have been and will be copied for years to come. While this description may become obsolete as new advances are made you can be sure that the boat you order will be up to the minute in the latest developments.

CUSTOM SPECIFICATIONS - Optisailors hulls are laid up on Thursday morning to allow an “over the weekend” two extra days cure in the mold. This allows: the resin additional time to reach its full hardness, hold the mold shape and stiffen the boat. Extra care is taken to assure the maximum weight can be placed in the midship frame



lightening the ends. The center of gravity is moved aft through a special vacuum bagging process. The **Optisailors hull is minimum weight** and perfectly faired. If you have a rigging preference we will customize it your way, No problem! A **clear or metallic transom and metallic deck option** available for customers wanting to further distinguish their boat.



APPENDAGE ALIGNMENT –

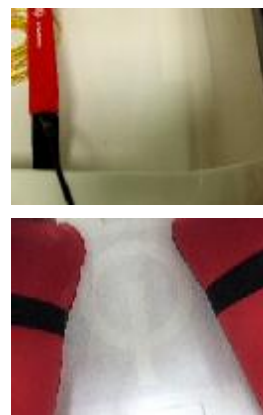
Proper alignment of the appendages is checked with a laser-squaring beam. This assures equal speed on both tacks and minimum drag.



FAST DAGGERBOARD ADJUSTMENT *YOU’VE REALLY GOT TO TRY IT TO BELIEVE HOW AWESOME THIS SYSTEM IS!* Most standard hulls have one shock cord that serves two functions –hold down for sailing to windward and up for sailing difficult to use, requires two-hand operation and creates drag as the board is raised and lowered. Our new rigging **only requires one hand** for precise height adjustment with minimum effort. This exclusive **Optisailors** design eliminates the friction caused by standard systems while ensuring the board is tied in as required by the rules. In Addition the board is cock aft while up, which is preferred for low helm and down wind speed.



RACING NON-SKID - - The Optisailors nonskid pattern maximizes traction in the forward cockpit where it is needed with extra aggressive nonskid applied in a “**T**” shape. This is the “sweet spot” where a properly trained racer should land after a good roll tack. The non-skid is designed to decrease bailer wear in areas where non-skid is not necessary. The **Optimist “I O” emblem** is placed in on the bow floor section with non-skid to prevent slipping while boarding the boat. *Also it just looks cool!*



OPTISAILORS DOUBLE PADDED HIKING STRAPS –

Racers do not have the time to watch their feet enter the hiking straps before trusting them. The straps must be in the perfect position every time and padded on both sides in case of roll over. The Optisailors hiking straps have been specially sewn with a loop that allows them to be lifted upward and outward where you need them. The lift shock cord has been routed to a position under the airbag for the **perfect lift angle**. A double Vectran adjustment line ties off the straps in the back guaranteeing zero give and maximum feel.



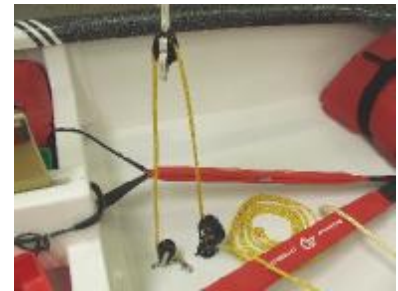
NEW MAST CONTAINMENT / ADJUSTMENT - A nylon-coated polymer-elastic hold down is used instead of line on the deck for **quicker rigging and lower friction** encouraging mast rotation. An Optiparts EX1203 mast clamp completes the system for **extra safety**. The Optiparts EX1210 racing deck collar and mast sleeve reduces friction and protects the mast against wear. It allows the mast to be raked for all points of sailing while preventing side movement. At the request of Mclaughlin these collars were beefed-up and are the strongest, lowest friction available. A Large elastic band is added to the racing mast step to prevent incidental change of settings in rough seas and transport. It differs from a double lock nut system, which reduces fore and aft play. This system allows the mast to go further forward and aft for better performance down wind.



MAXED OUT MAIN SHEET SYSTEM - Optimist sailors need a thick easy to grasp mainsheet upwind but cannot afford the extra weight or to lose responsiveness down wind. Our **double tapered mainsheet** solves this problem. A snap shackle is also sewn to the end of the sheet for **quick conversion from a 3:1 to 2:1 ratio** Unclip the shackle and you will reducing friction and the amount of line to be pulled in by 1/3 rd. This is fast in light air situations.



3 to 1



2 to 1

Harken Carbo blocks (Engineered from the best of all materials) are the strongest and lightest blocks made for the Optimist. The **Harken Tielite block** is connected to a stainless steel micro-trigger snap shackle by a custom sewn, zero stretch Spectra webbing to minimize weight on the boom/sail while allowing a shorter main sheet.



The 57 mm **Harken Carbo Ratchamatic** block is freewheeling in both directions in light air. As the wind increases the ratchet turns itself on. This function is adjustable with a provided allen wrench. The block has ultimate grip/cleating power of up to 10:1 for reduced arm fatigue. A **Harken rubber standup** boot replaces the normal spring keeping the mainsheet tangle free (and your tootsies safe!).

