

LIFTERS™

PLANING SYSTEM FOR INFLATABLES

Patent 6588360, D386465 and Patent Pending

Lifters radically improve the performance of inflatable sportboats, increasing speed and acceleration 25% to 45% and planing weight capacity up to 30%, while decreasing fuel consumption by more than 25%. Sportboats having insufficient power or carrying heavy loads can now plane or achieve higher planing speeds.

Advantages of Lifters Planing System:

- Less drag and far superior performance than hydrofoil devices
- Accelerate and plane quickly without moving weight forward
- Carry weight aft for greater stability and speed with less spray
 - Less wake and more transitional control at different speeds
 - Eliminates transom engine torquing for more in-line power
 - Doesn't affect storage of boat or motor like other devices
 - Outboard motor turns freely with special swivel design
 - Less drag when towing empty boat and outboard motor
 - Made of unbreakable UV resistant polypropylene
 - Simple to install and attaches or removes in seconds
- Used as skids to drag up sandy beaches
- Will work with transom wheels

The speed and weight carrying capacity of a planing hull is directly related to its planing surface area and driving power. Unlike small trim tabs, Lifters add more than 5 times the planing area or 4.2 sq.ft. (12.5" x 24" x 2) of additional planing surface as shown on the right. At low planing speeds the additional surface area at the stern creates more than a proportional amount of added lift, by pushing water down, opposed to the forward "V" section which pushes water to the sides. Also, the additional lift far aft of the center of weight (boat, crew and motor) lifts the stern and lowers the bow for more hull planing surface area and upward lift rather than backward drag. At high planing speeds when less surface area is desired, the ventilation slots at the front of the Lifters suck air into the mini step which decreases the planing surface area and drag, similar to side ventilated step technology used on race boats.

