

ALUMINIUM TABS

The Lectrotab aluminum alloy trim tabs are uniquely designed to meet the needs of aluminum hulled boats and are an economical option for all boats.

- Fabricated with an extremely strong “no-break” polypropylene hinge
- Marine grade 6005-T5 aluminum alloy material
- Sealed with a corrosion resistant epoxy coating
- Available in 9”(23cm) and 12”(30cm) chord lengths and in widths between 9” (23cm) and 48” (122cm)
- Also available with drop fins or supports



CUSTOM TABS

Lectrotab designs custom and heavy duty tabs to meet customers' specifications with unmatched strength and reliability.

- Continuous rolled and pinned hinge design provides ultimate strength and eliminates the need for welding
- Mirror, black powder coated, mill and other finishes available
- Strong, corrosion resistant 11 and 12 gauge stainless steel
- Zinc anodes may be installed for additional corrosion protection
- Available with bent edges and channels for additional strength
- Available in single or dual actuator mounting
- Edge mount tabs available



'READY TO INSTALL' KITS

Standard Lectrotab kits contain two 12V or 24V DC actuators covered by a Lifetime Warranty, two trim tab plates, extended actuator cable and control switch.

- Available with stainless steel, aluminum or custom tabs
- Standard kits include choice of Rocker Switch, Oval control, Manual or Automatic Leveling Controls
- Kits are available with or without mounting hardware



Visit www.lectrotab.com for more information...

- Lectrotab products
- Tab plate sizing guidelines
- Technical product specification sheets
- Wiring diagrams and Installation Manuals
- Hydraulic retrofit instructions
- Advantages of electric over hydraulic systems
- Where to buy Lectrotab products



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ALQUEST MARINE

LECTROTAB

Electromechanical Trim Tab Systems

LECTROTAB

All Lectrotab actuators are precision-engineered to combine quiet operation with a non-hydraulic, maintenance free design.

The unit is corrosion free, ensures very accurate tab positioning, provides maximum lift force, and is totally self-contained for easy installation. An internally designed friction brake prevents unwanted tab retraction when underway or backing down.

The actuator assembly is packaged in a non-metallic, permanently sealed housing. No components need to be installed inside the boat. Most importantly, unlike hydraulic trim tabs, there is no oil to leak out.

The actuators incorporate either a standard or low profile transom mounting bracket and are available in 12V and 24V DC with standard, short or heavy duty style housings.

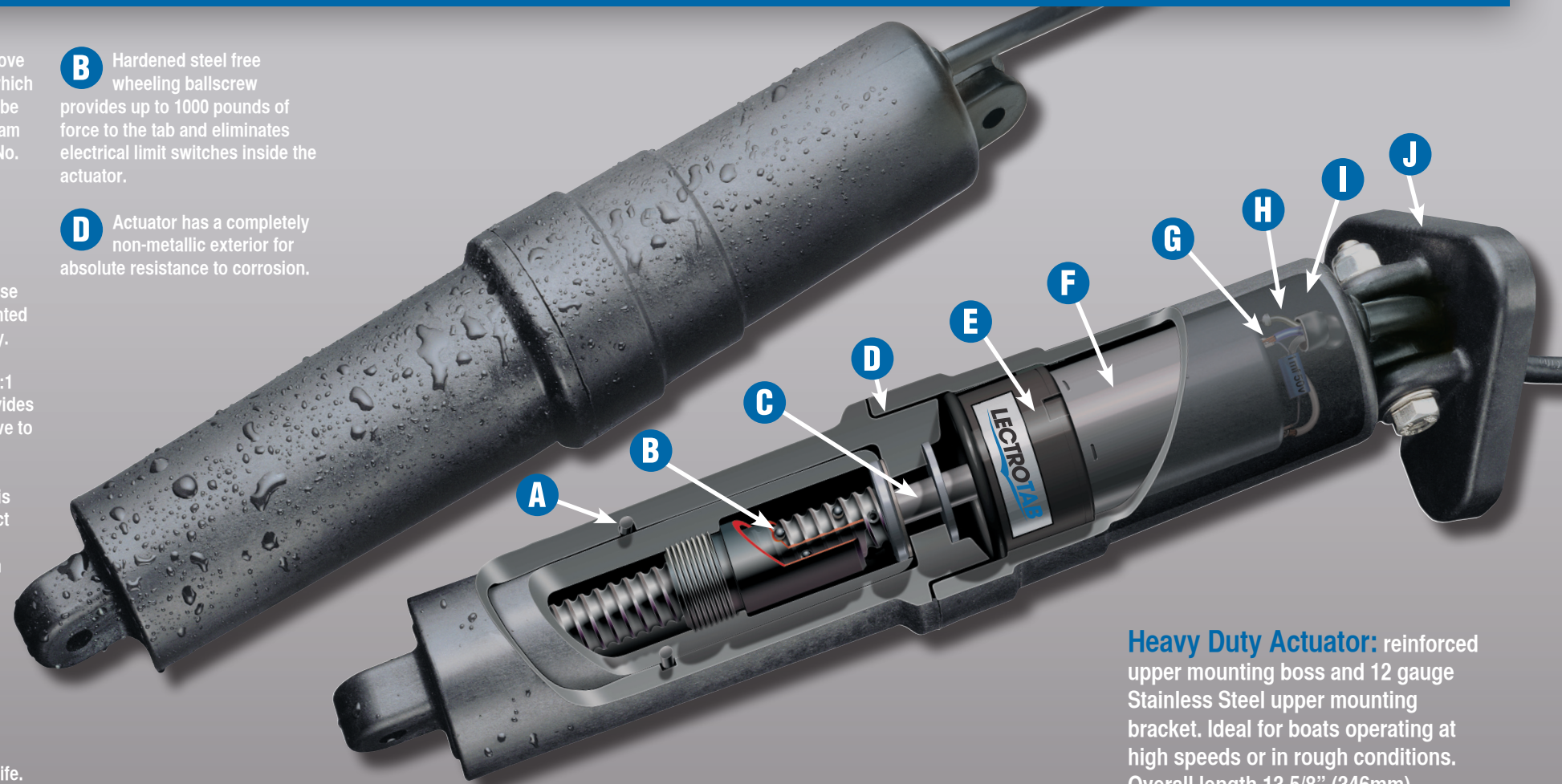
Why Choose Lectrotab?

- Lifetime Warranty on Actuators
- World Class Customer Support
- Patented Unique Design Features
- Stainless or Alloy Tab Plates
- Automatic Leveling Control



ACTUATORS

- A** Upper seal, located above any point on the ram which is exposed to fouling, cannot be damaged and is the primary ram sealing element. U.S. Patent No. 5,881,666.
- B** Hardened steel free wheeling ballscrew provides up to 1000 pounds of force to the tab and eliminates electrical limit switches inside the actuator.
- C** Controlled torque thrust bearing surface for extended service life and positive braking against reverse freewheeling. Prevents unwanted tab retraction when under way.
- D** Actuator has a completely non-metallic exterior for absolute resistance to corrosion.
- E** Greased and sealed 40:1 planetary gearbox provides smooth, quiet, high-torque drive to the ballscrew.
- F** Reversible D.C. motor is torque limited to protect the gear box and instantly stops when the control switch is released to prevent ram overtravel.
- G** Electromagnetic suppression device assures compliance with European CE standards and eliminates voltage spikes for better control switch contact life.
- H** Vent-tube check valve allows air in but not out, providing automatic internal pressurization to about 8 PSI when the tab is retracted. U.S. Patent No. 5,881,666.
- I** Upper actuator cover is sealed watertight with epoxy.
- J** Upper bracket can be positioned from vertical through horizontal.



Standard Actuator: our most popular design, operates on all sizes and styles of boats (shown above). Overall length 13 5/8" (346mm).

Short Actuator: with low profile upper bracket is the perfect fit for trim tab applications where there is limited vertical space such as a swim platform. Overall length 11" (279mm).

Heavy Duty Actuator: reinforced upper mounting boss and 12 gauge Stainless Steel upper mounting bracket. Ideal for boats operating at high speeds or in rough conditions. Overall length 13 5/8" (346mm).

Long Actuator: for applications where a longer throw is required. Available in 4" stroke length. Overall length 15 3/8" (390mm) with low profile bracket.

STAINLESS STEEL TABS

Single Actuator



Dual Actuator



The Lectrotab stainless steel trim tab design provides unmatched strength and reliability. All stainless steel tabs are fabricated with a continuous rolled and pinned hinge, eliminating the need for welding.

- Corrosion resistant 11 or 12 gauge, 304 or 316 stainless steel
- Standard mill finish, mirror finished stainless steel or gloss black powder coated stainless steel
- Standard tabs are available in 9" (23cm), 12" (30cm) and up to 24" (61cm) chord lengths and in widths between 9" (23cm) and 48" (122cm)
- All tabs exceeding a 24" (61cm) width feature a 90° bent up trailing edge for additional strength
- Tabs are available with edges bent (various angles), straight or tapered, dual actuator channels and custom reinforcement
- For galvanic protection, pre-installed zinc anodes are also available

CONTROL OPTIONS

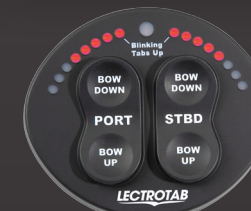
Rocker Switch



Performs all standard trim tab control functions.

- Improved sealing to prevent water entry
- Higher load rating
- Recessed rocker prevents breaking

Oval Control



Combines a microprocessor based trim tab control with LED tab position indicators.

- Completely sealed and waterproof
- Automatic tab retraction
- No external power module required

Manual Leveling Control



Manually operated LED control with one touch tab positioning.

- Single button touch to raise/lower both tabs
- Tabs automatically return to previous position
- Completely sealed and waterproof
- No external power module required

Automatic Leveling Control



Automatically corrects roll and pitch for a more comfortable boating experience.

- Upgrade for most brand trim tab systems
- Controls pitch and roll automatically
- Completely sealed and waterproof
- Automatic tab retraction
- No external power module required (ALC-1)

Note: Lectrotab control switches are available for dual station applications. Refer to the Control Switch product specification sheets located at www.lectrotab.com for more information.