E-Series Active Fin Stabilizers
Model E-525  For AtSpeed® and AtRest® Stabilization

Introducing the NAIAD DYNAMICS Model E-525 Electric Fin Stabilizer — combining the proven reliability of the robust ND fin actuator design, with the convenience of all-electric drive. A single AC servo motor driven linear actuator generates the torque of two hydraulic cylinders.

Originally developed in 2008 for Naval applications, now adapted for luxury yachts. With more systems in service than any other brand, ND product innovations are earned from real-life experience, analysis, and constant development. Install Naiad, Instill Confidence™

Fin Actuator Assembly Features

- No hydraulics – reduced installation time.
- Much lower profile than other electric stabilizer brands.
- Available in two motor size options: 7.5kW and 11 kW to suit the application.
- Industry first heavy-duty tapered roller bearing construction, fully pre-assembled and sealed at the Naiad factory for easy installation. Compare to inexpensive and wear-prone plain bearings/bushings.
- Greased for life, no annual main bearing maintenance required.
- Double lower shaft seals encased in an easily accessible precision-machined stainless steel housing.
- Fins can be manually centered and locked.
- Proven hydrodynamically-efficient foil section designs. Stainless steel Tip Fence (shown), proportionately sized and validated for performance.
- Advanced composite fin construction is galvanically inert and features an encapsulated stainless steel insert with precision machined self-locking keyless taper. Steel fins optional.
- Keyless taper allows freedom to install the NAIAD Assembly in any 360° orientation to simplify installation and maximize accessibility, plus allows the fins to be aligned and realigned in any desired position to suit hull flow lines.
- Robust fin construction is damage resistant, but designed to yield safely to severe impacts.
- First choice among discriminating yacht owners and ship builders throughout the world.

Oversized Spherical Roller Bearing Rod End
High Grade Cast Housing
AC Servo Motor
Robust Sealed Feedback Assembly
Linear Actuator

New!
Patent Pending
**Digital Control System**

- Advanced & proven fully proportional automatic Angle-Velocity-Acceleration (AVA™) closed loop control system for maximum roll reduction performance in any seaway with minimum drag.
- Enhanced course-keeping, reduced rudder drag typically improves overall destination time and fuel efficiency.
- DATUM™ is the world’s first purely digital fin stabilizer control system operating on a CANbus distributed network.
- Shock tested and naval ship approved.

**Application Guidelines**

<table>
<thead>
<tr>
<th>Naiad Model</th>
<th>OAL Feet (Meters)</th>
<th>Displacement Max. (Approx)</th>
<th>Fin Sizes Sq. Feet (Sq. M.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-525</td>
<td>115 - 165 (35 - 50)</td>
<td>600 S. Tons (545 M Tons)</td>
<td>12 – 38 (1.12 - 3.53)</td>
</tr>
</tbody>
</table>

**Outstanding Service and Support**

Naiad Dynamics stands behind every system sold with its superb limited Warranty. NAIAD® products are supported worldwide by our six sales and service centers and mobile fleet, and by our comprehensive Authorized Dealer Network with locations in key regions for fastest response and guaranteed satisfaction. Spare parts are usually in-stock and ship within 24 hours, and our state-of-the-art in-house manufacturing facility ensures quick turnaround on parts throughout the life of the system.

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