

## Active Fin Stabilizers

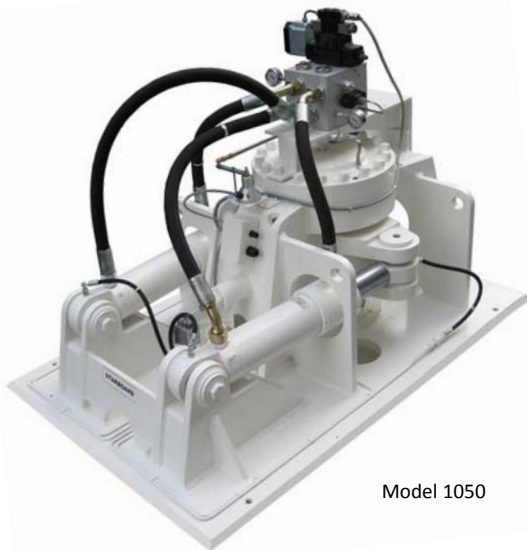
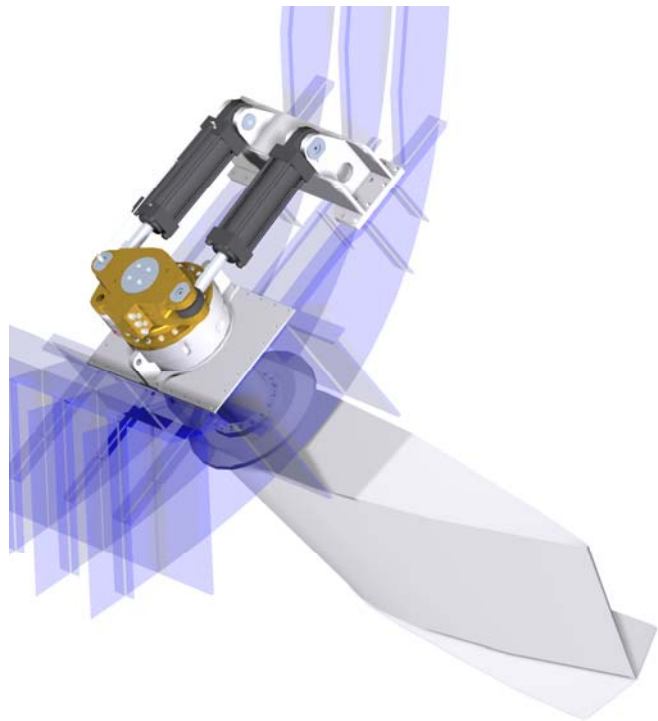
**Models** 162, 174, 252, 254, 302, 320, 360, 420, 525  
575, 621, 720, 820, 925, **1050, 1200 & 1400**

*The industry standard for superior performance, quality, reliability, long-term support and overall value. With more systems in service than all other brands combined, Naiad's product designs are a refined evolution earned from real-life experience, analysis, and constant development. Install Naiad, Instill Confidence™*

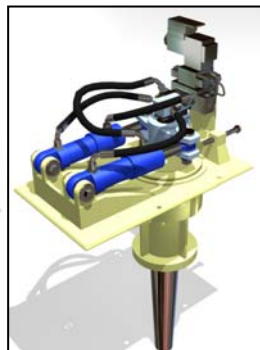
*NAIAD® Stabilizers are the equipment of choice installed in thousands of vessels in demanding commercial and military ship applications as well as luxury yachts of all sizes.*

### Fin Actuator Assembly Features

- ✓ Highest quality materials and workmanship. Major components machined to US military standards in our ISO 9001:2008 certified facility alongside aerospace machined parts.
- ✓ Fully complies with commercial and military design standards. Proven in demanding high-speed ferry applications and 50 of the world's navies. First choice among discriminating yacht owners and builders throughout the world.
- ✓ Hydrodynamically-efficient foil section designs. Available Tip Fences proportionately sized and validated for performance.
- ✓ Steel fin construction with precision machined self-locking keyless taper and hydraulic taper lock, or optional bolted palm flange.



Model 1050



- ✓ 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.
- ✓ Redundant fin centering options available to suit customer requirements.
- ✓ Proven performance and long-term spares and support.

## 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.
- ✓ Resonant roll reduction typically 90%. Static heel correction. Sensitivity adjustment. Automatic fin limiting and centering. DATUM™ Adaptive Technology self-tunes to optimize performance.
- ✓ 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.



## Hydraulic Systems

Complete hydraulic systems standard or tailored for specific applications. From relatively simple pressure compensated pump systems to advanced PLC controlled systems that efficiently integrate all shipboard hydraulic equipment. Our specialist hydraulic engineers specify all necessary components, source and oversee in-house testing, and supply fully detailed drawings. Naiad's standard range of quiet Powerpacks are also available to power hydraulic systems.



Standard Powerpacks, submerged pump/enclosed style, and fully accessible style (class approved).

## 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 yachting 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.



DATUM™ graphical display panel options, each with intuitive multi-page display screens.

## Application Guidelines (this Series)

<i>Naiad Model</i>	<i>OAL Feet (Meters)</i>	<i>Displacement Max. (Approx)</i>	<i>Fin Sizes Sq. Feet (Sq. M.)</i>
<b>1050</b>	360 – 575 (110 – 175)	3300 S. Tons (2990 M Tons)	37.7 – 96.9 (3.5 – 9.0)
<b>1200</b>	395 – 655 (120 – 200)	4400 S. Tons (3990 M Tons)	53.8 – 107.6 (5.00 – 10.00)
<b>1400</b>	450 – 820 (140 – 250)	5500 S. Tons (4990 M Tons)	86.1 – 172.0 (8.00 – 16.00)

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**NAIAD DYNAMICS: The Science of Stabilization®**