Active Fin Stabilizers

Models 162, 174, 252, 254, 302, 320, 360, 420, 525

575, 621, 722, 822, 926, 1050, 1200 & 1400

The industry standard for superior performance, quality, reliability, long-term support and overall value. 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.

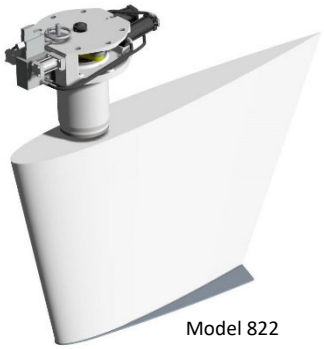
With more systems in service than any other brand, Naiad Dynamics product designs are a refined evolution earned from real-life experience, analysis, and constant development. Install Naiad, Instill Confidence™

Fin Actuator Assembly Features



Model 926

- ✓ Highest quality materials and workmanship. Major components machined to US military standards in our ISO 9001:2015 certified facility alongside aerospace machined parts.
- ✓ Industry first heavy-duty tapered roller bearing construction. Designed for life; no main bearing replacement required. Compare to inexpensive and wear-prone plain bearings/bushings.
- ✓ Factory assembled and tested. No disassembly required at installation.
- ✓ Triple lower shaft seals encased in an easily accessible housing.
- ✓ Industry best double spherical Rod End bearings. Roller bearings (not bushings) at all pivoting locations.
- ✓ Proven hydrodynamically-efficient foil section designs. Tip fences proportionately sized and validated for performance.



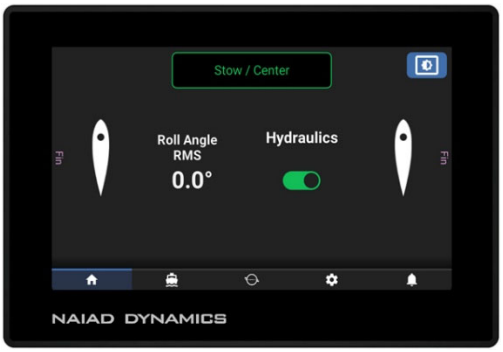
Model 822



- ✓ Advanced composite fin construction is galvanically inert and features an encapsulated stainless-steel insert with precision machined self-locking keyless taper. Steel fins are optional on most models, and standard on Model 926.
- ✓ 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. Hydraulic taper lock.
- ✓ First choice among discriminating ship builders and owners throughout the world.

Distributed Control System (DCS)

- ✓ Advanced, fully proportional distributed closed loop control system for maximum roll reduction performance in any seaway with minimum drag.
- ✓ Modular, node-based architecture fully supports AtSpeed® & AtRest® roll stabilizer systems as well as Total Ride Control® (multi-axis) systems with multiple types of effectors.
- ✓ Hardened against electromagnetic interference.
- ✓ Resonant roll reduction typically 90%. Static heel correction. Adjustable gains (sensitivity). Automatic fin limiting and centering. Adaptive Technology self-tunes to optimize performance.
- ✓ Enhanced course-keeping, reduced rudder drag typically improves overall destination time and fuel efficiency.



Distributed Control System (DCS) graphical display panel, with intuitive multi-page control screens.



Application Guidelines (this Series)

Naiad Model	*OAL Feet (Meters)*	*Displacement Max. (Approx)*	*Fin Sizes Sq. Feet (Sq. M.)*
575	135 - 170 (41 - 52)	675 S. Tons (610 M Tons)	16 – 45 (1.49 - 4.18)
621	140 - 180 (42 - 55)	750 S. Tons (680 M Tons)	19 – 45 (1.76 - 4.18)
722	150 - 200 (45 - 61)	1000 S. Tons (910 M Tons)	22 – 53.8 (2.04 - 5.00)
822	180 - 280 (54 - 85)	1500 S. Tons (1360 M Tons)	45 – 75.3 (4.18 - 7.00)
926	300 - 500 (90 - 152)	2000 S. Tons (1800 M Tons)	53.8 – 86.1 (5.00 - 8.00)

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.



Outstanding Service and Support

Naiad Dynamics stands behind every system sold with its superb Limited Warranty. NAIAD® products are supported worldwide by our seven 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.

NAIAD DYNAMICS: The Science of Stabilization®

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