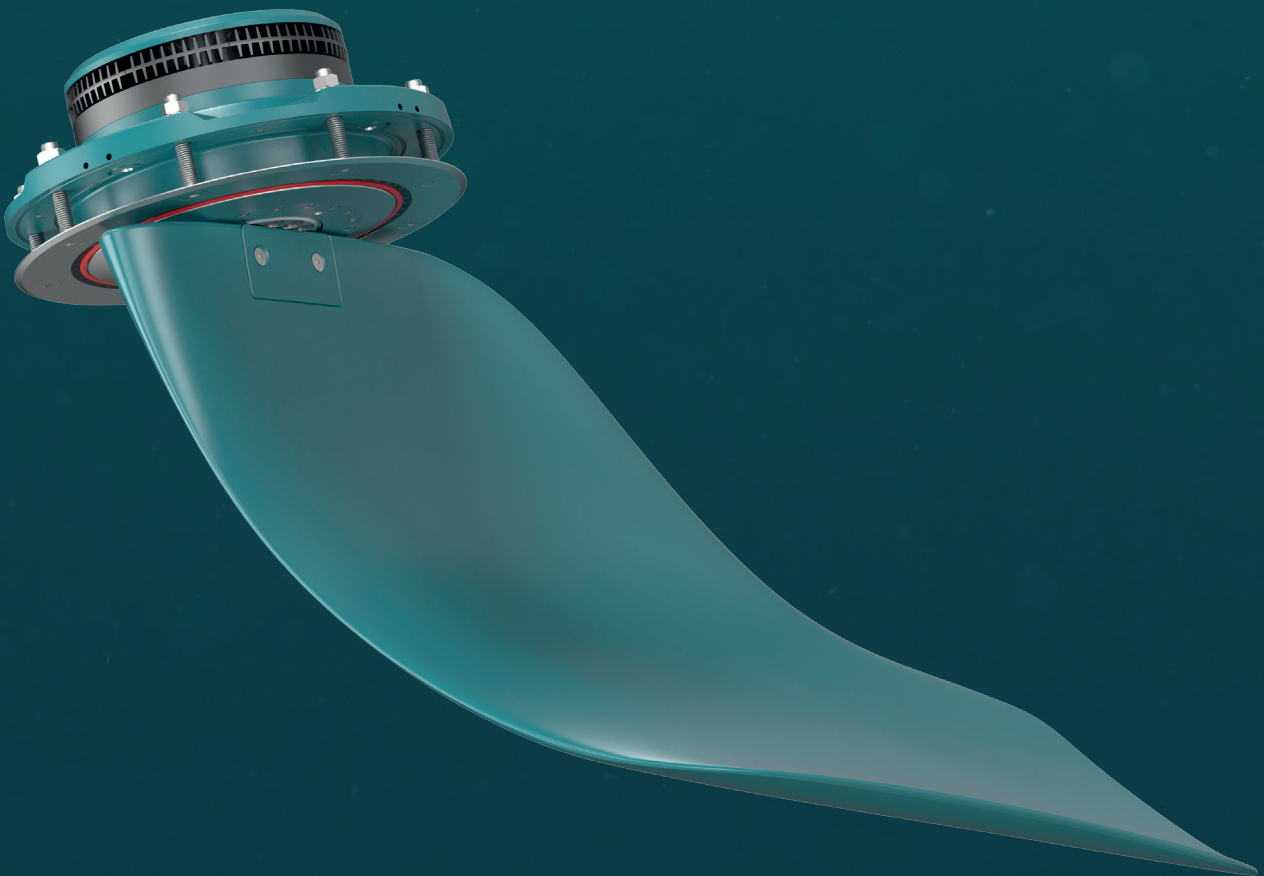


# Stabilization that feels right.



**SLEIPNER STABILIZERS**  
**ELECTRIC VECTOR FINS**

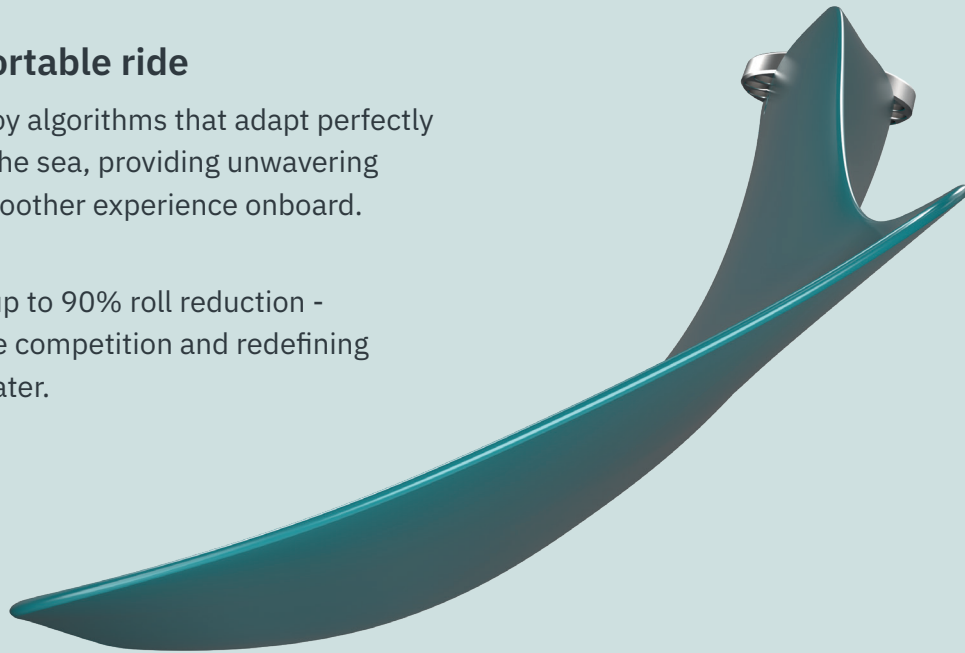
# A patented fin design like no other

Backed by over a decade of dedicated R&D and proven in over 2,200 installations, Vector Fins offer a unique approach to yacht stabilization. The patented curved fin design channels stabilization forces more vertically, achieving high efficiency with much lower energy use than traditional systems.

## A more comfortable ride

Vector Fins employ algorithms that adapt perfectly to the rhythm of the sea, providing unwavering stability and a smoother experience onboard.

At anchor, enjoy up to 90% roll reduction - outperforming the competition and redefining comfort on the water.



**Stability at sea. Comfort at anchor.  
Experience both.**

# Smooth, efficient, unmatched

Vector Fins redefine what stabilization can achieve, offering a range of advantages that improve both your experience on the water and the efficiency of your vessel.

- **Smooth ride:** Enhanced roll stabilization keeps your boat steady, delivering comfort and safety in all conditions.
- **Fuel efficiency:** The unique fin shape generates lift, reducing drag and improving fuel economy, making faster boats more efficient.
- **Compact and versatile:** The compact actuator design allows seamless integration with any yacht, preserving space without compromising performance.
- **Dual functionality:** Effective stabilization at both high speeds and at anchor, providing comfort whether you're underway or at rest.
- **Quiet operation:** A patented technology reduce structural born noise.
- **Sustainable performance:** With up to 80% less power usage at anchor, Vector Fins deliver double the stabilizing force per kW - giving you powerful stabilization with a lighter environmental footprint.



## STABILIZING AT ANCHOR

-10° 0° 10°



0.5°



0.1 kt



Stabilizers Thrusters

GARMIN

GPS Speed

0.00 kt

Total Error

## Ready to experience unmatched stability?

Our team collaborates with yacht builders, designers and owners to create stabilization systems tailored to your vessel's performance goals and installation need - from consultation to final installation, every detail is covered.



Multifunctional display integration

# Control the roll with powerful algorithms

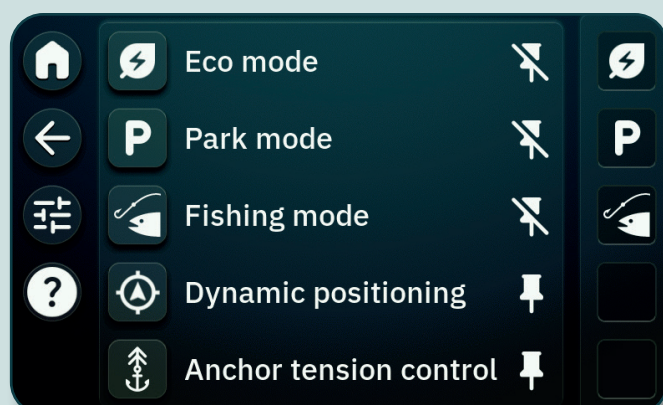
Vector Fins bring stabilization to a new level with its intelligent software system. The system's algorithms work in real-time to deliver smooth transitions and responsive control over your boat's stability, enhancing both performance and comfort.

## Advanced control features

- **Intuitive touchscreen display:** Effortlessly monitor and adjust stabilization settings with a sleek, user-friendly interface.
- **Algorithm-powered responsiveness:** Integrated GPS and rudder inputs work in tandem with advanced algorithms to adapt automatically, delivering smooth transitions in all conditions.
- **Remote diagnostics and service:** Access real-time diagnostics, remote support, and software updates via onboard Wi-Fi, ensuring your system operates safely at all times.
- **Multifunctional display integration:** Easily connect with existing onboard systems for a unified, streamlined experience.

## Control modes

- **Dock mode:** Limits the outboard travel of the fins to a selectable limit, reducing risk of contact with docks or nearby boats when maneuvering in tight spaces.
- **Eco mode:** Reduces power consumption to extend battery life during stabilization.
- **Park mode:** Moves the fins to a dedicated parking position for docking.
- **Fishing mode:** Fins stabilize until the boat reverses faster than x knots. Above this speed, stabilization stops and the fins free-float, allowing the boat to back down on a fish.
- **Dynamic Positioning mode:** Allows stabilizer system to operate even when the DP system is engaging reverse gear to maintain position. If boat is reversing faster than x knots, fins will center and lock.
- **Anchor tension control:** If the fin sector limits allows it, the fins will move 180° and create a force that will put tension to the anchor chain while stabilizing.

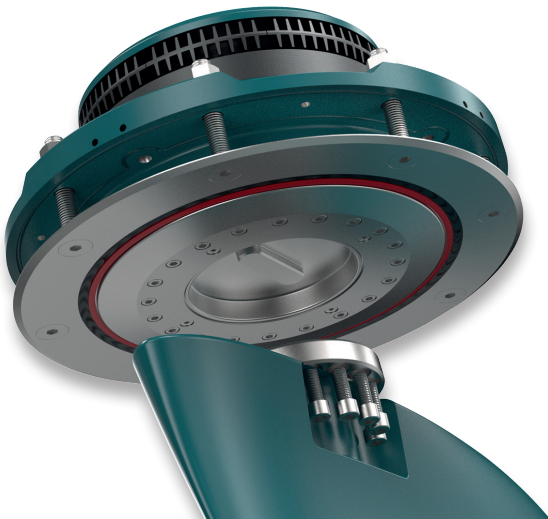


# Tailored stabilization for every yacht

Sleipner offers a versatile range of Vector Fins stabilizers, engineered to meet the unique needs of yachts of all sizes. Our product line ensures that whether you have a compact cruiser or a luxury superyacht, there's a solution perfect for your vessel.

## Technical highlights

- **Various fin sizes:** Designed to accommodate a wide range of yacht dimensions and displacement characteristics.
- **2- or 4-fin setups:** Configurable to operate seamlessly as integrated systems. The 2-fin setup is ideal for mid-sized yachts, while the 4-fin setup provides advanced stabilization for larger vessels.
- **Power options:** Available in multiple voltage configurations, including 24V, 48V, 230V single-phase, and 400V three-phase systems, to suit your yacht's electrical setup.
- **Robust materials:** Constructed using high-quality aluminum, composite, and stainless steel components for maximum durability in marine environments.



## Actuators built for precision and efficiency

Renowned for their compactness and energy efficiency, Sleipner's electric actuators deliver unmatched stability control with minimal space requirements. Designed to fit even the most space-restricted engine rooms, they adjust fin positioning continuously using advanced algorithms, ensuring reliable stability in any sea conditions.

## Key features

- **Compact design:** The slim profile allows for easy installation, even in tight spaces.
- **Efficient performance:** Energy-efficient design ensures optimal control without compromising power.
- **Built for durability:** A modular structure facilitates straightforward servicing and low maintenance costs.
- **Quiet operation:** Patented noise reduction technology ensures peace and quiet aboard.

# Save energy without sacrificing performance.



**Vector Fins™ V3-9**  
Actuators SPS40E

© Ronan Gladu / BENETEAU

# Vector Fins - an optimized solution for any vessel

## Actuator Data Figures | DC Electric

| Actuator model                       | SPS40E-24/48V | SPS50E-24/48V | SPS60E-24/48V | SPS70E-48V |
|--------------------------------------|---------------|---------------|---------------|------------|
| Power supply (VDC)                   | 24/48         | 24/48         | 24/48         | 48         |
| Typical vessel size (m) – 2 fins     | 14 - 18       | 14 - 21       | 19 - 24       | 23 - 30    |
| Typical vessel size (m) – 4 fins     | 18 - 26       | 18 - 26       | 30 - 40       | 35 - 50    |
| Actuator weight (kg)                 | 65            | 75            | 120           | 177        |
| Hull thickness (mm)                  | 50            | 55            | 60            | 80         |
| Flange dia x height inside hull (mm) | Ø450 x 170    | Ø471 x 171    | Ø564 x 230    | Ø614 x 241 |

## Actuator Data Figures | AC Electric

| Actuator model                       | SPS60E                | SPS70E                | SPS80E                | SPS90E                | SPS100E            | SPS110E            | SPS115E            | SPS120E    |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|--------------------|--------------------|------------|
| Power supply (AC)                    | 230(1Φ/3Φ)<br>400(3Φ) | 230(1Φ/3Φ)<br>400(3Φ) | 230(1Φ/3Φ)<br>400(3Φ) | 230(1Φ/3Φ)<br>400(3Φ) | 230(3Φ)<br>400(3Φ) | 230(3Φ)<br>400(3Φ) | 230(3Φ)<br>400(3Φ) | 400(3Φ)    |
| Typical vessel size, 2 fins (m)      | 19 - 24               | 23 - 30               | 29 - 38               | 29 - 38               | 36 - 45            | 36 - 45            | 36 - 45            | 45 - 55    |
| Typical vessel size, 4 fins (m)      | 30 - 40               | 35 - 50               | 45 - 55               | 45 - 55               | 46 - 60            | 46 - 60            | 46 - 60            | 50 - 65    |
| Actuator weight (kg)                 | 118                   | 194                   | 296                   | 407                   | 490                | 574                | 490                | 574        |
| Hull thickness (mm)                  | 60                    | 80                    | 105                   | 256                   | 150                | 256                | 150                | 256        |
| Flange dia x height inside hull (mm) | Ø564 x175,3           | Ø614 x 255,5          | Ø705 x 247,6          | Ø705 x 247,6          | Ø815 x 287         | Ø815 x 287         | Ø815 x 287         | Ø815 x 287 |

## Recommended<sup>1)</sup> Vector Fins

| Actuator model                | SPS40E | SPS50E  | SPS60E  | SPS70E  | SPS80E  | SPS90E  | SPS100E | SPS110E | SPS115E | SPS120E |
|-------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Boat speed up to 30 knots     | V4-10  | V4-12   | V4-15   | V4-21   | V4-26   | V4-26   | V5-31   | V5-31   | V5-39   | V5-39   |
| Boat speed up to 35 knots     | V4-8   | V4-10MS | V4-15   | V4-19   | V4-26   | V4-26   | V4-26HS | V4-26HS | n/a     | n/a     |
| Boat speed above 35-40 knots* | n/a    | V4-8HS  | V4-12HS | V4-15HS | V4-21HS | V4-21HS | V4-26HS | V4-26HS | n/a     | n/a     |

<sup>1)</sup> The boats natural roll period must also be considered for maximum fin size per actuator.

<sup>\*)</sup> For speeds above 40 knots, please contact Sleipner for support.

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