

Quantum's Triple Threat

Fins, Foils and Hydraulic Packs for Every Roll-Control Application

Quantum's development of computerized controllers and high-lift stabilizer fins performing at low or no speed added "ZeroSpeed" to the yachting lexicon and a new chapter to nautical knowledge. Since its introduction in 1999, ZeroSpeed stabilization has added immeasurably to yachting enjoyment and expanded cruising options. Currently, 90 yachts enjoy the system and 120 more have been ordered for new builds and retrofits.

During the past two years of product development, Quantum engineers have broadened the range of yachts that can benefit from ZeroSpeed stabilizers to include vessels of 96 to 380 feet (29 to 115 meters). From a performance standpoint, no other stabilizer company comes close to delivering the roll-reduction performance achieved by Quantum.

Quantum's latest innovation is the MagLift series of rotary stabilizers, perfectly suited for high-speed yachts and large sport-fisherman boats. Although German physicist Heinrich Gustav Magnus quantified the principal of lift generated by spinning cylinders in the nineteenth century, its application in vessel stabilization is a Quantum

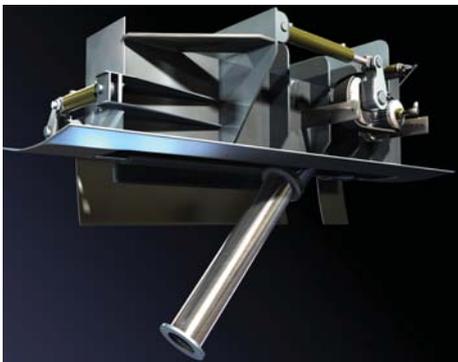
cylinder stabilizer designed to provide full functionality both under way and at anchor. The MagLift systems offer the option of retracting the rotors into the hull for high-speed, no-drag travel. When deployed, they deliver a level of low-drag performance at slow vessel speeds (3 to 14 knots) not achievable using conventional fins, and at-anchor performance is simply revolutionary.

Stabilizer fins require a lot of power delivered quickly, which is why stabilizers use hydraulic power. Recently, Quantum began building its own high-capacity power packs. With the smallest footprint available, the greatest flexibility of operation and highest level of redundancy, Quantum's Integrated Hydraulic Systems are fast earning a reputation for superior quality and reliability. With bespoke electronic controllers



and hydraulic power packs perfectly matched to the demands of its own fins or MagLift cylinders, Quantum confidently proclaims, "No one does it better."

For more information, contact Quantum at 954-587-4205. On the Web: www.quantumstabilizers.com.



breakthrough. The Magnus Effect defines the lift generated by a spinning object moving through a fluid. In essence, the very same lift that guides your golf ball in a beautiful, soft fade from the left side of the fairway to a gentle landing near the pin will counteract the rolling motion of a yacht. Working from this principal, Quantum's design team invented and patented a completely new

