



The new Smartgyro SG20 gyro stabilizer for boats from 45 feet to 55 feet

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Smartgyro Launches Advanced SG20 Gyroscopic Stabilizer

The new unit for 45ft to 55ft vessels expands the SG series – the only gyro stabilizers on the market that can be serviced, maintained and assembled directly inside the boat

Cannes Yachting Festival, 7th to 12th September, Stand PAN310

Gyroscopic stabilization technology specialist Smartgyro is introducing the new SG20 unit for boats from 45 feet to 55 feet.

Showcased to the global market for the first time at this year's Cannes Yachting Festival, the latest addition to the advanced SG series brings Smartgyro's industry-first design benefits and advanced roll reduction technology to boat owners and builders for the key mid-size vessel range.

The outstanding innovation of the SG20, and all Smartgyro stabilizers, is the cutting-edge modular mechanical design, ensuring the range is unique to the market as the only gyro units that can be serviced, maintained and assembled directly inside the boat.

Negating the need for the whole gyro to be shipped back to the factory, the structure of the units enables seamless installation and onboard maintenance. The sophisticated stabilization solution therefore minimizes time spent on maintenance and reduces vessel downtime, while creating new design opportunities for builders and increasing the potential for installation in vessels with small access spaces.

Sander Gesink, Smartgyro Marketing Director, said: "Our mission when developing the SG series of gyro stabilizers was to elevate the entire boating experience for users and deliver significant advantages for OEMs, offering a solution above and beyond superior stabilization. We are therefore delighted to launch our latest model to the industry and bring Smartgyro's unique design benefits to more boaters so they can maximize their time on the water and enjoy a positive experience of life onboard.

"The key advantages of the new SG20 are the cost and time savings created because complicated maintenance activities and servicing can be performed on the bearings onboard without removing the whole unit, plus the stabilizer can be assembled directly inside the boat. Our customers can be assured that our technology also offers high performance and efficiency to virtually eliminate rocking motion – a leading solution that is at least 10 per cent less costly than similar products."

Ideal for both new builds and refit installations, the SG20 features design innovations within the control electronics, braking system, liquid cooling system and vacuum enclosure to maximize roll reduction, performance and efficiency.

The key features of the Smartgyro SG20 include:

- **Modular design**
The mechanical design allows seamless installation and maintenance
- **Efficient control electronics**
Roll reduction is maximized under every sea condition using an efficient module, motion sensors and an Inertial Measuring Unit (IMU) to monitor and process real-time boat behaviour data and the flywheel speed and position
- **Pressurized, closed loop braking system**
The braking system dynamically controls the gyro using hydraulic cylinders and proportional valve
- **Liquid cooling**
Heat generated by the motor and spinning bearings is dissipated, while also cooling the inverter and hydraulic manifold
- **Efficient flywheel rotation**
A sealed vacuum minimizes air drag to increase performance and reduce heat and power consumption. The built-in pressure pump automatically restores the vacuum after detecting a leakage or after performing maintenance on the sphere.

Technical specifications of the SG20 are as follows:

Envelope dimensions: 0.76 x 0.77 x 0.65 m [29.9 x 30.3 x 25.6 in]

Weight: 495 kg [1091 lbs]

Rated speed: 9500 RPM

Angular momentum at rated speed: 5900 Nms

The SG20 is available for shipment from Q1 2022 at a retail price of €39,500 excl VAT and installation.

Smartgyro has confirmed it will launch its expanded range of advanced SG units to the European and US markets at several key shows and exhibitions this year. Smartgyro will be at Cannes Yachting Festival on Stand PAN310, Southampton International Boat Show on Stand E010, Genoa Boat Show on Stand TH10-TL09, IBEX on Stand 1-504, Annapolis Powerboat Show in Tent B 21, Fort Lauderdale Boat Show in the marine equipment tent and

METSTRADE on Stand 07.607. [Smartgyro](#) is backed by strategic partner [YANMAR](#) and its companies, including [Vetus](#), [Maxwell](#) and [Flexofold](#).

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Note for editors: To schedule a meeting with Smartgyro at Cannes Yachting Festival, please contact Jules at j.riegal@saltwater-stone.com

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About Smartgyro – The Future of Marine Stabilization

Smartgyro is a gyro stabilization technology specialist with a mission to elevate the entire boating experience with its complete range of advanced gyro stabilizers. Ideal for new builds and refit installations on recreational powerboats and light duty commercial vessels, the leading Smartgyro stabilizers offer significant performance, efficiency, installation and maintenance benefits for boat owners, vessel operators and boatbuilders.

Founded in 2014 and based in La Spezia (SP), Italy, Smartgyro is backed by strategic partner [YANMAR](#) and its companies, including [Vetus](#), [Maxwell](#) and [Flexofold](#).

‘Feel the magic’ with Smartgyro. More information: www.smartgyro.com.