





## OFTEN IMITATED, NEVER DUPLICATED

We are marine motion control experts, and it's not just one of many things we do-it's the only thing we do.

We are focused solely on making everyone's time on the water safer and more enjoyable. Whether you have a small boat or a mega-yacht, Seakeeper is the only true stabilisation choice.



## **HOW IT WORKS**

Inside a vacuum encapsulation, a flywheel spins at speeds of up to 9,750 rpm. When the boat rolls, the sphere tilts fore and aft (precesses), producing a powerful gyroscopic force to port and starboard that counteracts the boat roll.

#### **ANGULAR MOMENTUM**

Angular momentum, measured in Newtonmeter-seconds, or N-m-s, is the measuring stick for how much stabilising power a gyroscope has. Greater angular momentum indicates a higher roll reduction potential. Think of angular momentum to a gyro, like horsepower to an engine.

## **BUILT TO PERFORM**

The Seakeeper is designed to virtually eliminate boat roll on vessels 23 feet and up. It requires modest electrical power, has no outside appendages, and can be installed virtually anywhere on board. Its computerized control and vacuum technology make it the first truly practical, and only modern, anti-roll gyro.

## INNOVATIVE COOLING SYSTEM

Patented cooling system enables the flywheel to spin at high speeds inside of the vacuum containment.

#### VACUUM SEALED

Seakeeper's vacuum encapsulation enables the flywheel to spin roughly three times faster, cuts flywheel weight by two-thirds, and halves power requirements. Moreover, because the critical components (flywheel, bearings, and motor) are sealed in a vacuum, they are isolated from the marine environment.

#### ACTIVE CONTROL

Seakeeper's active control optimizes gyro force, providing an unsurpassed level of performance. Unlike a passively controlled gyro, which must be turned off in the roughest conditions and/ or at higher speeds, the Seakeeper is effective at all speeds and can be used in all sea conditions.



**NEW BUILD** 

# **BUYING A NEW BOAT?**

As Seakeeper becomes a must-have item on all boats, more and more manufacturers are installing them at the factory every day. New boat owners now have the benefit of thoughtful installation right from the boat's initial design.

REFITS

# HAVE AN EXISTING BOAT?

If you're not in the market for a new boat, you can still have the latest technology available. With more than 4,000 refits under our belt, we can confidently say that most boats can be refit with a Seakeeper! They can fit anywhere there is available space, and don't need to be installed on the centerline.

# CAN WE STABILIZE ANY BOAT? HULL YEAH, WE CAN.

With a Seakeeper model for boats as small as 23 ft. and as big as 200+ ft., plus the ability to combine units for even more stabilisation, Seakeeper is available for nearly every boat.



#### LEISURE

in your hair and shake up an evening cocktail– Seakeeper makes your cruise comfortable



#### COMMERCIAL

What happens when you crew can safely spend more time on the water and go out when others can't? More success and



#### **FISHING**

rom tournaments to amily time, backing down in the big one or reeling in inner, there's a Seakeeper or your center console or portfish boat.



#### YACHT

Ultimate luxury deserves the best in stabilisation. Your guests will notice there's something special about your yacht. And there's one for you tender too

#### AND JUST IN CASE YOU'RE WONDERING...



#### LIGHTWEIGHT

Seakeeper weighs a small fraction of the vessel displacement.



#### LOW POWER CONSUMPTION

Due to its vacuum encapsulation, Seakeeper requires minimal power. Select Seakeeper models even run off 12V DC power.



#### **QUICK & SIMPLE INSTALL**

Can be installed in as little as 1-3 weeks. For smaller boats, a unique leaning post design enables a refit to be done in a matter of days!



#### FLEXIBLE

It can be installed virtually anywhere on the boat and any combination of units can be used to reach targeted performance.



#### INCREASED RESALE VALUE

Boats with a Seakeeper resell faster, and for more money, than boats without.



#### INTERNAL

No external appendages and completely self-contained, which means no drag and no hull modifications.



#### **NEVER TURN IT OFF**

Thanks to the smart technology of active control, it can be used at rest and underway in all sea conditions.



#### QUIET

With all Seakeeper models operating between 68 and 75 dCB, you won't be bothered by any noise.

# MORE STABILISATION. SMALLER PACKAGE.

Our new models feature our latest innovations, making them the most efficient and most effective gyrostabilizers ever built in their size range.

#### **ASYMMETRIC FLYWHEEL**

An all-new flywheel design features a deeper, lower hemisphere, enabling the motor to be tucked inside the flywheel. This design reduces overall height and provides the most efficient flywheel shape to maximize performance per pound and footprint.

#### SINGLE CYLINDER BRAKE

The single-cylinder brake design saves space, weight, and enhances reliability by eliminating hoses and connections. It requires no annual service and incorporates redundant safety mechanisms.

#### **ALL NEW**

The latest features allow for faster installation, economical maintenance, and easier access.



## OUR LATEST INNOVATIONS

Seakeeper 4

for boats 11.5-13.5m (38-44')

Seakeeper 4.5

for boats 12–14m (40–46')

**Seakeeper 10** for boats 16–18m (50–60')

Seakeeper 14

for boats 17–20m (55–68')



Now with field replaceable

bearings (FRB) on the

Seakeeper 9 and above,

lifecycle maintenance is

## CONTROL FROM HERE OR THE HELM

Mounted on the Seakeeper, the ConnectBox integrates with compatible onboard MFDs for display functionality.



#### FIELD REPLACEABLE BEARINGS







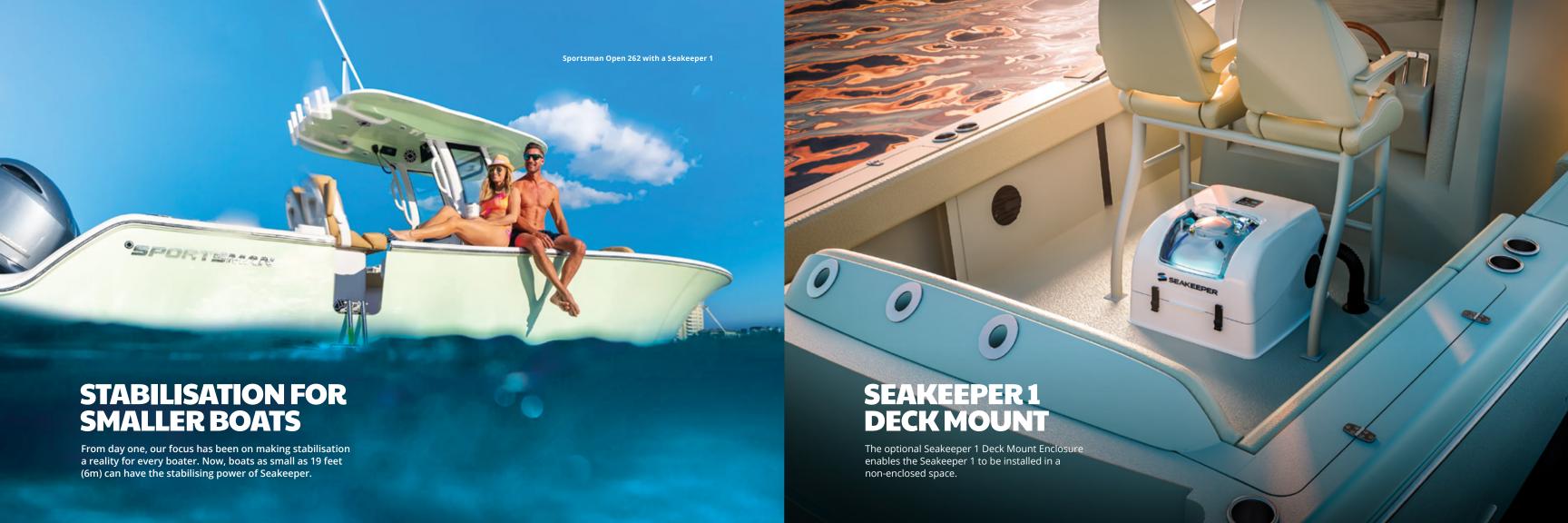
## **EXTREMELY SMALL WITH FLEXIBLE INSTALLATION OPTIONS**

The Seakeeper weighs only a small fraction of the boat's displacement. It can be installed anywhere on the boat, including off centerline.

A Seakeeper 1 in a 7.9m (26-foot) center console is shown here, to scale.

An off-centerline Seakeeper 18 in a 19.8m (65') sportfish is shown here, to scale.





## **SEAKEEPER SPECS**



#### SEAKEEPER 1

**Boat Size Range** ~7-9m (23-30') **Boat Weight** up to  $\sim 5.5$  tons

	•
Dimensions	582 L x598 W x403 H (mm)
	22.9 L x 23.6 W x 15.9 H (inch
Weight	165kg (365lbs)
Max Rated Speed	9,750 RPM
Angular Momentum at Max Rated RPM	1,000 N-M-S
Anti-Rolling Torque at Max Rated RPM	2,620 N-M
Spool-up Time to Max Rated RPM*	35 minutes (9,750 RPM)
Spool-up Time to Stabilisation*	18 minutes (7,310 RPM)
Spool-up Power	600 Watts Max @ 12 VDC
Operating Power*	225-600 Watts
DC Power Input	20-55 Amps @ 12 VDC
Control Power	N/A
Control Power Input	N/A





~ 9-11m (30-36') up to ~8 tons



12 VDC @ 15 Amps Max





~ 10.5-12.5m (35-41) up to ~11 tons

680 L x 0.688 W x 587 H (mm)
26.8 L x 27.0 W x 23.1 H (inches)
249kg (550lbs)
8,450 RPM
3,000 N-M-S
7,853 N-M
50 minutes (8,450 RPM)
36 minutes (7,185 RPM)
900 Watts Max @ 12 VDC
400-900 Watts
30-85 Amps @ 12 VDC
125 Watts Max
12 VDC @ 15 Amps Max







SEAKEEPER 6

12 VDC @ 15 Amps Max

~13.5-16m (44-53')

SEAKEEPER 4

~11.5-13.5m (38-44') up to ~16 tons

120 Watts Max

12 VDC @15 Amps Max

675 L x713 W x 512 H (mm) 26.56 L x 28.05 W x 20.15 H (inches)

Weight 338kg (746lbs) Max Rated Speed 8.250 RPM Angular Momentum at Max Rated RPM 4,000 N-M-S Anti-Rolling Torque at Max Rated RPM 10.427 N-M Spool-up Time to Max Rated RPM\* 59 minutes (8,250 RPM) Spool-up Time to Stabilisation\* 32 minutes (6.188 RPM) Spool-up Power 1.050 Watts Max @ 12 VDC Operating Power\* 550-1.050 Watts DC Power Input 46-88 Amps @ 12 VDC

**Boat Size Range** 

**Boat Weight** 

**Dimensions** 

**Control Power** 

Control Power Input

SEAKEEPER 45

12 VDC @15 Amps Max

~ 12-14m (40-46') up to ~18 tons

up to ~25 tons 675 L x 713 W x 512 H (mm) 764 L x 755 W x 621 H (mm) 26.56 L x 28.05 W x 20.15 H (inches) 30.09 L x 29.72 W x 24.47 H (inches) 333.8kg (736lbs) 395kg (870lbs) 9.300 RPM 9,700 RPM 4.500 N-M-S 6.000 N-M-S 11.780 N-M 15,690 N-M 35 minutes (9,300 RPM) 42 minutes (9.700 RPM) 19 minutes (6.975 RPM) 28 minutes (8,245 RPM) 1.950 Watts Max 2.300 Watts Max 950-1.600 Watts 1.100-2.300 Watts 20 Amps @ 208-230 VAC, 50/60 Hz 20 Amps @ 208-230 VAC, 50/60 Hz 125 Watts Max 120 Watts Max

\*Spool-up time and operating power may vary depending on operating conditions.

## **SEAKEEPER SPECS**







	SEAKEEPER S	1
Boat Size Range	~15–18m (50–59')	
Boat Weight	up to ~32 tons	ι
Dimensions	850 L x 900 W x 720 H (mm)	-
	33.5 L x 35.6 W x 28.3 H (inches)	3
Weight	550kg (1,210lbs)	!
Max Rated Speed	9,000 RPM	8
Angular Momentum at Max Rated RPM	9,000 N-M-S	
Anti-Rolling Torque at Max Rated RPM	18,890 N-M	2
Spool-up Time to Max Rated RPM*	55 minutes (9,000 RPM)	
Spool-up Time to Stabilisation*	38 minutes (7,650 RPM)	2
Spool-up Power	3,000 Watts Max	
Operating Power*	1,250-2,000 Watts	
DC Power Input	20 Amps @ 208-230 VAC, 50/60 Hz	2
Control Power	240 Watts Max	:
Control Power Input	24 VDC @ 10 Amps Max	2

SEAKEEPER 10	SEAKEEPER 14
~16–18m (50–60')	~17–20m (55–68')
up to ~36 tons	up to ~45 tons
786 L x 886 W x 604 H (mm)	879 L x 946 W x 685 H (mm)
30.95 L x 34.88 W x 23.78 H (inches)	34.62 L x 37.24 W x 26.95 H (inches)
584kg (1,288lbs)	748kg (1,650lbs)
8,700 RPM	7,600 RPM
10,000 N-M-S	14,000 N-M-S
27,490 N-M	36,650 N-M
37 minutes (8,250 RPM)	44 minutes (7,600 RPM)
24 minutes (6,188 RPM)	24 minutes (5,700 RPM)
3,500 Watts Max	3,700 Watts Max
1,100-2,300 Watts	1,000–3,000 Watts
20 Amps @ 208-230 VAC, 50/60 Hz	20 Amps @ 208-230 VAC, 50/60 Hz
240 Watts Max	240 Watts Max
24 VDC @ 10 Amps Max	24 VDC @ 10 Amps Max





24 VDC @ 10 Amps Max



	SEAKEEPER 18
Boat Size Range	~18.5–23m (60–75')
Boat Weight	up to ~60 tons
Dimensions	1078 L x 1096 W x854 H (mm)
	42.5 L x 43.2 W x 33.6 H (inches)
Weight	1,116kg (2,460lbs)
Max Rated Speed	6,150 RPM
Angular Momentum at Max Rated RPM	18,000 N-M-S
Anti-Rolling Torque at Max Rated RPM	47,881 N-M
Spool-up Time to Max Rated RPM*	42 minutes (6,150 RPM)
Spool-up Time to Stabilisation*	31 minutes (5,228 RPM)
Spool-up Power	3,700 Watts Max
Operating Power*	1,425–3,700 Watts
DC Power Input	30 Amps @ 208-230 VAC, 50/60 Hz
Control Power	240 Watts Max
Control Power Input	24 VDC @ 10 Amps Max

SEAKEEPER 26	SEAKEEPER 40
~21.5–26m (70–85′)	~26–33m (85–110')
up to ~75 tons	up to ~120 tons
1289 L x 1419 W x 1000 H (mm)	1380 L x 1420 W x 1040 H (mm)
50.8 L x 55.9 W x 39.4 H (inches)	54.3 L x 55.9 W x 40.6 H (inches)
1,431kg (3,155lbs)	1,848kg (4,074lbs)
5,000 RPM	5,150 RPM
26,000 N-M-S	40,000 N-M-S
68,703 N-M	104,720 N-M
75 minutes (5,000 RPM)	70 minutes (5,150 RPM)
55 minutes (4,250 RPM)	49 minutes (4,378 RPM)
3,000 Watts Max	5,000 Watts Max
1,375–3,000 Watts	1,900–4,400 Watts
20 Amps @ 208-230 VAC, 50/60 Hz	30 Amps @ 208-230 VAC, 50/60 Hz
240 Watts Max	240 Watts Max

24 VDC @ 15 Amps Max

<sup>\*</sup>Spool-up time and operating power may vary depending on operating conditions.

## **STUFF HAPPENS!**

But that's why you have a warranty

All of Seakeeper's products come with a two-year/2,000-hour complete system warranty.

View warranty details at: seakeeper.com/warranty



Register Your Seakeeper for Greater Rewards

The first step to receiving any service or support is to register your Seakeeper. Plus, we'll send you a gift as a thank you for being a part of the Seakeeper family!

Register your Seakeeper at seakeeper.com/register

## SEAKEEPER EXTENDED WARRANTY

Our extended warranty program provides you with an added peace of mind and reliable service beyond the duration of your standard factory warranty.

Extended warranty coverage is available for customers currently within their factory warranty period.

SEAKEEPE

	SILVER	GOLD	PLATINUM
Extended Duration	+2 years	+2 years	+3 years
Extended SEA Hours (Active Stabilisation)		+1,000 SEA Hours	+2,000 SEA Hours
Total Coverage	4 years / 2,000 SEA Hours	4 years / 3,000 SEA Hours	5 years / 4,000 SEA Hours

# REDUCE. REUSE. REMANUFACTURE.

Seakeeper's remanufactured product benefits are two-fold:

- You get a Seakeeper for less.
- We reuse materials and keep used parts out of landfills.

Plus, we test and certify all Seakeeper remanufactured products through the same rigorous process we put new units through, and each comes with a new 2-year/2,000-hour warranty. That's the same warranty we provide on our new products.

#### Seakeeper Remanufactured Inventory

Remanufactured inventory, offered at a discount, is limited and ever-changing. Contact Seakeeper to get on a wait list for the next available model.

seakeeper.com/remanufactured





## **A NETWORK THAT WORKS FOR YOU**

With certified sales and service personnel across the globe, there's always a helping hand nearby when you need it. All dealers go through an extensive Seakeeper factory training program, including hands-on training at one of our two training facilities. So, whether you're considering a refit, scheduling annual maintenance, or experiencing a technical issue, Seakeeper's support network has you covered.

Find a dealer at





#### **TECHNICAL SUPPORT** +1-410-326-1590

support@seakeeper.com
We stand behind our product with a global support network and a 24/7 technical support hotline.



#### **SEAKEEPER SCHEDULED MAINTENANCE PLAN**

Seakeepers are designed to require minimal maintenance since most of the critical components operate in a sealed enclosure, protected from the corrosive moisture involved with life on the water. Outside of the sphere, the closed-loop hydraulic circuit and the cooling circuit should be periodically inspected.

#### Every 150 Hours or 3 Months

Replace Zinc Anode (Seakeeper 5, 6, 9, 16, 18, 26, 35, and 40)

#### **Every 1000 Hours or Annually**

Inspect hydraulic manifold components and fittings

Inspect hydraulic cylinders and hoses

Inspect brake bushings

Inspect heat exchanger and cooling hoses

Inspect all electrical connections, cables, components

Inspect all mounting hardware/bolts

Inspect isolators, clevis assemblies, bushings, pins & clips (Seakeeper 26, 35, and 40)

Clean/Descale heat exchanger

Confirm proper seawater flow

Confirm hydraulic oil pressure (Seakeeper 2, 3, 5, 6, 9, 16, 18, 26, 35, and 40)\*

Inspect and lubricate the latch assembly (Seakeeper 1)\*

#### Every 2000 Hours

Inspect the Igus chain assembly (Seakeeper 1)\*

Flush the glycol cooling circuit (Every 2000 hours or 5 Years)\*

Replace brake bushings\*

Replace heat exchanger\*

Replace the latch assembly (Seakeeper 1)\*

Perform the Recommended Maintenance after the indicated number of Running [RUN] hours or Years since last maintenance, whichever occurs first.

The single cylinder hydraulic brake systems on the Seakeeper 1, 4, 4.5, 10.5, and 14 require minimal service with only an inspection every 12 months, and a bushing replacement every 2000 hours.

Seakeepers are designed for use in a marine environment and to withstand occasional water spray or splash. Prolonged exposure to seawater, however, can cause premature wear and damage to the unit; therefore, it is important to apply a gentle fresh water rinse following exposure to seawater. https://www.seakeeper.com/wp-content/uploads/2019/04/SB\_90106-2-Fresh-Water-Rinse-1-D9

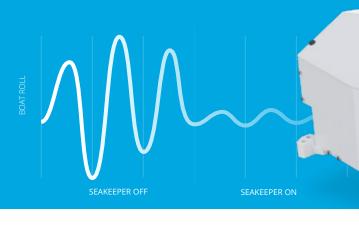
The service intervals are based on 'average' use, including operating in various Sea conditions, such as zero or low-speed usage in/around marinas and anchorages vs. different speeds while underway in light of heavy sea conditions. If the customer's normal operating conditions include extended SEA operation, more frequent service should be considered.

<sup>\*</sup>These tasks must be performed by a certified Seakeeper Dealer. Find a local Dealer at www.seakeeper.com/find-us.

# IT'S ALL ABOUT PERFORMANCE

There's a reason you choose Seakeeper, and it's because it works. But you don't have to just take our word for it, we created a library of sea trial reports that show real, measurable results of Seakeeper on hundreds of boats.

seakeeper.com/performance



VISIT
TWINDISC.COM.AU/SEAKEEPER
TO SCHEDULE A DEMO &
FIND A DEALER NEAR YOU



# 7 % OF S IS COVERED BY WATER. WE WANT EVERYONE TO MAKE THE MOST OF IT.



TWIN DISC (PACIFIC) PTY LTD
70B TRADECOAST DRIVE, EAGLE FARM QLD, 4009

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