

Made in JAPAN to the world

Anti Rolling Gyro was developed from an innovation of aerospace engineers.
50 years of experience in aerospace manufacturing provides a guarantee of high quality and safety.

WHEN ONLY THE BEST WILL DO



— Japanese designed and built gyro stabilization, assembled with the finest materials.

— Providing the best stability performance in the most effective and reliable design.

PERFORMANCE

Market leading stabilizing torque

Advanced natural precession control

Unbeatable performance when stability is needed

NEW-Latest technology in Rotary Damper providing amazing sensitivity in very low wave height

RELIABILITY

Air-cooled

Ultra-Life Bearings

Heavy-Duty / Unmatched longevity

Used in the hottest and coldest of climates

No hydraulics, vacuum or sea water cooling

SIMPLICITY

Zero unneeded complexity

Location free installation

Zero to low maintenance

Simple control

Simple installation

No need to worry about anodes and electrolysis

INVEST IN A QUALITY UNIT TODAY,
SAVE FRUSTRATION, STRESS
AND THOUSANDS IN THE FUTURE



ARG50T/65T

[MSM5000T-A1 / MSM6500T-A1]

Vessels 15'-30'

Our newest model to the fleet! For vessels under 10T Running on 12V DC Batteries or AC power.
This powerful compact air-cooled unit is easily installed in your center console, half cabin or work-boat.
Simple installation. Simple control. Reliable performance.

Specifications

Anti-Rolling Torque - **50T** 5,000Nm **65T** 6,500Nm MAX

Height ————— 525mm(20.6in)

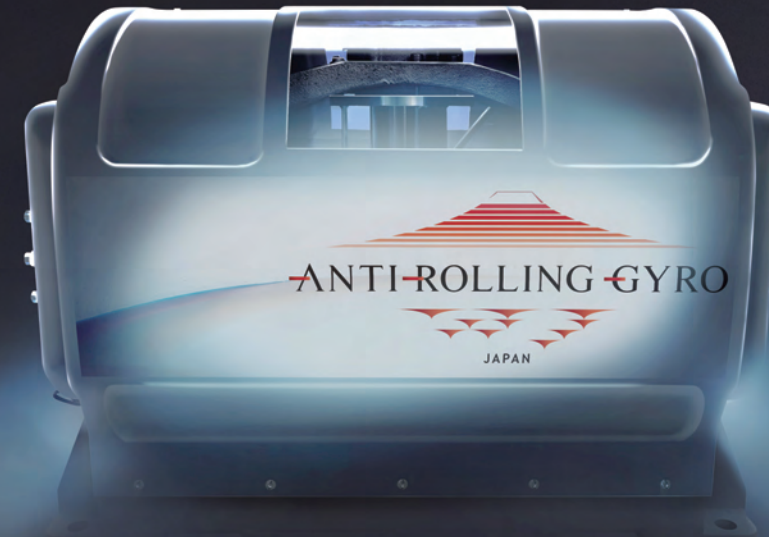
Depth (Fore-aft) ————— 536mm(21.1in)

Width (Athwartship) ————— 741mm(29.1in)

Weight ————— 234kg(515lbs)

Spool up to full speed ————— 30mins

Power
DC Battery — **50T** 12V | 700 - 1,000W
AC: Single Phase - **65T** 210 - 240V | 1,400 - 1,800W



ARG175T

[MSM17500T-A1]

Vessels 30'-60'

Benefit from the powerful 17,500Nm of Stabilizing Torque
With decidedly more Anti Rolling torque in a small package, the Tohmei 175T is the leader in vessels 25 ton
Simple installation. Simple control. Reliable performance.

Specifications

Anti-Rolling Torque ————— 17,500Nm MAX

Height ————— 630mm(24.8in)

Depth (Fore-aft) ————— 620mm(24.4in)

Width (Athwartship) ————— 950mm(37.4in)

Weight ————— 380kg(838lbs)

Spool up to full speed ————— 35mins

Power(AC:Single Phase) - 220 - 240V | 3,500 - 4,300W



ARG250T/250T-1

[MSM25000T-B1]

Vessels 40'-65'

The 250T-1 is our Flagship model, with Advanced Rotary Damper technology.

Now dominating the marketing in never before seen performance in low wave height and exceedingly superior performance in larger wave heights

Simple installation. Simple control. Reliable performance. We also offer original 250T.

Specifications

Anti-Rolling Torque — 25,000Nm MAX

Height — 700mm(27.6in)

Depth (Fore-aft) — 720mm(28.3in)

Width (Athwartship) — **250T** 1,020mm(40.2 in) **250T-1** 1,080mm(42.5in)

Weight — 700kg(1543 Lbs)

Spool up to full speed — 40 mins

Power (AC:Single Phase) — 220 – 240V | 3,500 – 4,800W



ARG375T

[MSM37500T-A1]

Vessels 65'-80'

The 375T is our largest and most impressive unit.

With an impressive 37,500Nm's of reliable Anti Rolling Torque. This unit could outlive the life of your vessel.

Providing you with amazing stability and simple user operation.

This is the pinnacle of maximum performance blended with quality, robust and reliable design.

Specifications

Anti-Rolling Torque — 37,500Nm MAX

Height — 780mm(30.7 in)

Depth (Fore-aft) — 830mm(32.7in)

Width (Athwartship) — 1,120mm(44.1 in)

Weight — 910kg(2006Lbs)

Spool up to full speed — 45 mins

Power (AC:Single Phase) — 220 – 240V | 4,500 – 5,500W

GENERAL INFORMATION & DISPELLING MYTHS

Cooling Method / Air

Eliminating corrosive electrolysis and frequent costly maintenance

Bearings

High Speed Ultra-Life Bearings rated for superior lifespan. Lasting 5 x longer than the closest competitor.

Natural Precession Control / Advanced Natural Precession Rotary Damper

Prior to this globally patented advancement in 2018, Competitors actively controlled gyros in the past have drawn minor benefit in “very low wave height” conditions. While the Anti Roll Gyro has always been the #1 performer in medium to large wave heights. Today commercial operators and pleasure boaters across the world can benefit from our units now matching active gyro sensitivity in very low wave height, while maintaining superior performance as wave heights increase. Our precession control is incomparably robust, reliable and virtually maintenance free.

Rating / The Myth behind Angular Momentum (AM)

AM is nothing more than the measurement the gyro’s flywheel as an isolated entity. (1 part of your gyro) Using AM as a measurement of a gyros performance is not only misleading, it is technically incorrect.

Which is why 4 out of the 5 major gyro manufacturers in the world rate gyros on Anti Rolling Torque. If you are speaking your gyro sales rep about Angular Momentum, it is likely that their units produce quite low Stabilizing Torque.

Comparing your gyro to a vehicle. AM is like the HP of your engine, while Anti Rolling Torque is like WHP (Wheel Horse Power, the output of your drivetrain as a complete set)

Precession Angle / Factoring in the time element far better with 180° precession angle

Did you know that all gyros stop providing stability when they reach the end of their precession travel. Anti Roll Gyro through advanced design, provides significantly more stability than all hydraulic ram-controlled units. An impressive 180° vs only 110-120° of movement for all competitors. Other than high-output Anti Roll Torque dynamics of the design, the significantly increased precession angle is the other factor, as to why no hydraulic ram gyro can come close to performance of our gyros in larger / longer waves

Large Wave Heights / Heavy Duty in Design-Unmatched longevity

Our Anti Roll Gyro’s being the true Heavy Duty rated gyros, are approved for continual operations in larger waves heights than any other gyro. The operation manual’s suggestion to turn off your gyro in very large waves height, is simply out of due care and consideration for your unit. Though the fact remains that the Anti Roll Gyro, is the only true Heavy Duty built gyro in the world. This is the reason why our units are the only gyros used extensively in commercial operations in the far north Pacific and Atlantic oceans.

Maintenance / Virtually Zero-Unmatched low cost and downtime

Other than a recommended annual visual inspection to check for abnormalities, your user experience is as it should be. Focussed on enjoying your time on the water.

Overhaul Simplicity / No unit removal required-Unmatched cost reduction

You do not have to cut open your deck or hull to remove our units for overhaul, as all the works are completed in place on board the vessel, with the vessel in the water.

Hot Climates • Small Spaces / Location free installation-Proven reliability in the warmest of locations

Install your unit in any confined space. Air flow or hot weather is no issue. From the thousands of installations, the most that has been required in a confined space for air cooling is a small extraction fan.

Installation / Simple & Lower Cost

All you require is a sounds foundation for your gyro and electrical connection. No boat haul out required.

Stand-by mode / Required for Boat Shows, not for Rafting-Up

In a raft up, any gyro on is a blessing, the more gyros on the better. If you are being told that your vessel will rock closer to the vessel next to you with your gyro on, then you are being sold a gyro that is too small to stabilize your vessel. The complexity required to allow this function provides no real-world benefit, other than boat show marketing.

Roll Reduction / Average vs Peak

To my knowledge Anti Roll Gyro is the only company that provide real world figures to establish realistic expectations. Peak Roll Reduction measures how well your vessel will perform in a wave pool, that is designed specifically for your vessel. Average Roll Reduction provides you true indication of the roll reduction that you should expect to see if you take your vessel onto any body of water where nature is in control of the wave height, length and frequency.

