

## Features

- ✓ Complies with ABYC & DNV directives
- ✓ Protects fibreglass and timber boats
- ✓ Stops wood rot in timber vessels
- ✓ Attracts much less growth than zinc
- ✓ Maintains hull and propeller coatings
- ✓ Reduces slipping and maintenance costs

## Description

The Maddox anode was developed to solve long accepted galvanic corrosion and over protection issues on wood and fibre-glass boats. The patented composite alloy is closer in mV potential to the submerged metals found on most boats making it a more effective anode and less aggressive on coatings and materials than zinc.

Product Code MAD1.6

Product Code MAD2.5

Product Code MAD4.2

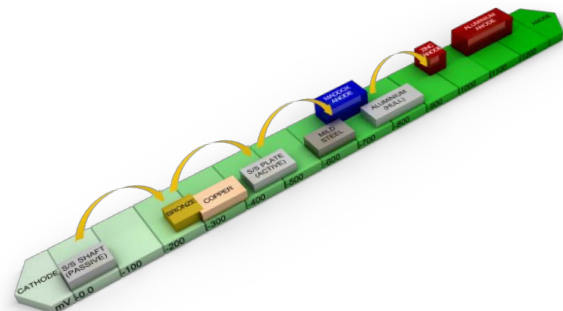
- ✓ The Maddox anode can significantly reduce growth build up on the hull and will not repel anti-foul or propeller coatings.

## Galvanic Series of Metals

The Galvanic Series of Metals is a list of known metals and their relative voltage generated in water.

Traditional zinc anodes are a heavy metal that is often over used and can be the cause of corrosion and damage to a vessel's hull and fittings. Over protection often leads to paint blasting and then osmosis and/or free corrosion.

A Maddox anode leaves less heavy metal in the water and lasts longer than the zinc equivalent, making it a smart environmental choice.





### Standards compliance and testing certificates:

ABYC E-2 Cathodic Protection. Sec 2.5.1

DNV - RP-B401 - CP Design. Sec 1.1 & 6.3.5

### Installation Instructions:

Maddox Anodes are available in 3 sizes

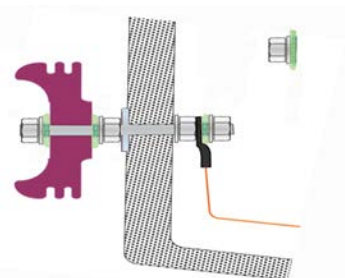
- MAD1.6
- MAD2.5
- MAD4.2

The appropriate size anode for any one vessel depends on the volume and surface area of the submerged metals to be protected.

The anode consumption rate can be calculated with reference to DNV-RP-B401.

Maddox anodes are manufactured without pre drilled holes to allow custom fitting of the anode to any vessel. MPS suggests:

- Use a paper template to mark and drill the anode to fit existing bolts.
- Use marine grease on bolts, star washers and locking nuts.
- Tighten to secure and ensure star washers cut into both anode faces.
- Check the internal bonding connection is tight and working as an effective part of the Vessel Bonding System.
- For further information visit the MPS website at [www.marineprotectionsystems.com.au](http://www.marineprotectionsystems.com.au)



### Maintenance Instructions:

The Maddox Anode has no moving or serviceable parts.

Marine Protection Systems recommends regular visual anode inspections and a comprehensive inspection whenever the vessel is on hardstand.

- Ensure anode is firmly connected to terminals and check retaining nuts.
- Ensure the integrity of the electrical connection is maintained.

Effective use of an anode in a closed circuit is dependent on its connection to a bonding system.

- Check star washers continue to be firmly attached to the anode.
- Visually inspect bonding wires where they are attached to the anode terminals.
- Ensure all metals in circuit maintaining their connection.

Contact a qualified Marine Electrician for further information to test and monitor the vessel's bonding system and anode connection. This can be done using the MPS Cathodic Protection Monitoring and Testing Kit.

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