GRP Maddox Anode Specification Guide



FOR SALT & BRACKISH WATER

Bonded

Transom anode

will protect

Transom anode

will protect

Bonded + MPDSW

SHAFT DRIVE	Shaft*		Swim Platform	
Vessel Length	Single	Twin	Bonded	If Local Zincs
Up to 30ft	MDX200	MDX300 or 2 x MDX200	ok	Change to similar sized MDX
30-40ft	MDX300	MDX300 or 2 x MDX200	Upgrade to 2 x MDX300	Change to similar sized MDX
40-50ft	MDX500	MDX500 or 2 x MDX300	Upgrade to 2 x MDX300	Change to similar sized MDX
50-60ft	MDX500	2x MDX500	+ local MDX (transom brackets or arms)	Change to similar sized MDX
60-80ft	2 x MDX500	2 x MDX500	+ local MDX (transom brackets or arms)	Change to similar sized MDX
80-100ft	2 x MDX500	4 x MDX500	+ local MDX (transom brackets or arms)	Change to similar sized MDX

*Shaft - Includes bonded fittings - thru-hulls, fittings, rudder/s, trim tabs. Areas of high water flow and/or

Unbonded

MDXBT

MDXSW

MDXLW

2 x MDXLW

or MDXWD

large sized appendages may need considerations for local anodes, or an increase in anode surface area.

SWIM PLATFORMS	Stainless Steel Platforms ONLY			
	If anodes are already present, replace zincs with similar size MDX			
Approx Size	Isolated	If electrically isolated, swim platforms can be protected via		
Small	MDXLW - per arm or transom bracket			
Large	MDXWD - per arm or transom bracket	Maddox Anodes if other parts of the boat require protection via higher potential anodes. Electrical isolation must be confirmed and maintained.		

Aluminium Drives on GRP Boats

Any alloy drives (sail drive, outboard, Zues drive, sterndrive, etc) MUST use zinc or aluminum anodes. Ensure all anode composition is the same for commonly bonded systems.

For best performance on stainless steel swim platforms & trim tabs - isolate appendages & use Maddox on components or run separate (isolated) bonding to a Maddox anode for protection. 1x MDX300. Minimum 200 ohms is required between drives to Maddox to confirm isolation.

Thrusters

Electric Thrusters - ensure isolation from bonding system and use factory anodes. Maddox MDXBT can be used on bronze/ stainless steel thrusters.

Hydraulic Thruster - use MDXBT on thruster body, or ensure electrically isolated and use factory anodes.

Fresh Water

Sterndrives: Martyr magnesium equivalent. Hull anode needs to be isolated from drives; hull anode Martyr drive aluminium.

Shaft/IPS drives - Martyr aluminium hull + shaft anodes.

No Maddox or Zinc to be fitted.

Greater D6 - D11 D13 bonding system No ACP MDX300 MDX500 See guide for single No anode No anode drive MDX ACP required required spec.

Replace Volvo Aluminium with MDX

**IPS - IPS units should be maintained and ensured to be electrically isolated from engine & bonding system. Single anode per IPS.

TT X-Large 30 in x 24 in Bonded + MDXLW

TRIM TABS

Trim Tab Size

TT Small

12in x 8in

TT Med

16in x 12in

TT Large

24in x 16in

SCAN HERE

Anodes to be checked for continuity regularly with a visual inspection to ensure active. Scan to refer to the Bonding Guide.

Stainless Steel Tabs ONLY

If anodes are already present, replace zincs with similar size MDX

Uncoated

MDXSW

MDXLW or

2 x MDXSW

2 x MDXLW

MDXWD

If electrically isolated, trim can

be protected via

Maddox Anodes

if other parts of

the boat require

protection via higher

potential anodes.

Electrical isolation

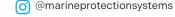
must be confirmed

and maintained.

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IPS**

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CORROSION CONTROL THAT WORKS

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