

GRP Maddox Anode Specification Guide

FOR SALT & BRACKISH WATER

SHAFT DRIVE	Shaft*		Swim Platform	
	Single	Twin	Bonded	If Local Zincs
Vessel Length				
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 large sized appendages may need considerations for local anodes, or an increase in anode surface area.

TRIM TABS	Stainless Steel Tabs ONLY			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.
	If anodes are already present, replace zincs with similar size MDX			
Trim Tab Size	Bonded	Unbonded	Uncoated	
TT Small 12in x 8in	Transom anode will protect	MDXBT	MDXSW	
TT Med 16in x 12in	Transom anode will protect	MDXSW	MDXLW or 2 x MDXSW	
TT Large 24in x 16in	Bonded + MPDSW	MDXLW	2 x MDXLW	
TT X-Large 30in x 24in	Bonded + MDXLW	2 x MDXLW or MDXWD	MDXWD	



SCAN HERE

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

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 Maddox Anodes if other parts of the boat require protection via higher potential anodes. Electrical isolation must be confirmed and maintained.
Small	MDXLW - per arm or transom bracket	
Large	MDXWD - per arm or transom bracket	

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. 1 x 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.

IPS**	Replace Volvo Aluminium with MDX		
	D6 - D11	D13	Greater bonding system
No ACP	MDX300	MDX500	See guide for single drive MDX spec.
ACP	No anode required	No anode required	

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

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