

Martyr

The world's premium marine anode

CATALOG

M1 ZINC: SALT WATER ONLY

M2 ALUMINUM: SALT & BRACKISH WATER

M3 MAGNESIUM: FRESH WATER ONLY



Cathodic Protection For Pleasurecraft Boats, Sail Boats, Boat Accessories, Outboards, & Outdrives
Cathodic Protection For Commercial Vessels, Pleasurecraft, Piers, Off-shore Drilling Platforms,
Drydocks, Retaining Walls & Oceanographic Equipment

Committed to protecting the environment!

Martyr

Committed to protecting the environment!



ABOUT US

CMP is the world's leading manufacturer and supplier of die cast zinc, aluminum, and magnesium anodes, which are sold worldwide under the Martyr brand name.

The company first began foundry operations during the early 1900's servicing the plumbing and forestry industries. Their non-ferrous capabilities allowed the company to expand its product offering. This included the manufacture of gravity cast zinc and aluminum anodes for the commercial marine industry. The innovative development of new alloys and casting techniques enabled the company to gain an international reputation of superior quality for its Martyr brand of sacrificial marine anodes.

Building on the success achieved in the commercial marine market the company was able to offer the utility of their performance enhanced alloys to the worlds leading marine engine builders. Here the company was able to use the process of pressure diecasting to produce more intricate castings that were needed by the fast growing pleasurecraft industry.

Today CMP is in a state of continuous improvement. Our people and our commitment to quality is the foundation in which we will perpetuate our growth and prosperity.

Thank you for your support!

Team CMP



ISO 9001

QMI - SAI Global
0044183

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**OUR TEAM IS COMPOSED
OF CONSCIENTIOUS INDIVIDUALS
WHO ARE:**

**DEDICATED TO TIMELY DELIVERY
OF DEFECT FREE PRODUCTS**

**—
COMMITTED TO CONTINUOUS
PROCESS IMPROVEMENT**

**—
DILIGENT IN THEIR EFFORTS
TO PROTECT THE ENVIRONMENT**

HOW TO USE THIS CATALOG

We have made it easy to help you find the right anode for the job! Throughout this product catalog you will notice three distinct colors each representing a specific alloy type.

Each alloy we offer is specially formulated to work the best when used in the right water environment.

To order, simply find the right engine or anode type then look for a green, blue or yellow flag. Add either the letters Z, A, or M to the product code.

For example:

CM31640**Z** = **ZINC** alloy • CM31640**A** = **ALUMINUM** alloy • CM31640**M** = **MAGNESIUM** alloy

ZINC — For use in salt water

Not recommended for use in fresh water

Alloy is manufactured to meet or exceed US Military Specification (MIL-DTL-18001L)

ALUMINUM — For use in salt and brackish water

Performs better, protects longer than Zinc

Alloy is manufactured to meet or exceed US Military Specification (MIL-DTL-24779C(SH))

MAGNESIUM — ONLY for use in fresh water

Not recommended for use in salt or brackish water

The only alloy proven to protect your boat in fresh water

Don't be fooled by claims that only one alloy will protect in all water environments.

Only MARTYR Anodes offers you the choice of the right protection for any application!



Drawing Legends:

L	W	H	D	OD	ID	T	THD
Length	Width	Height	Distance	Outside Diameter	Inside Diameter	Thickness	Thread

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WHY USE MARTYR™ ANODES?

Anodes are inexpensive, which means it is important to protect your boat with a quality product. Martyr™ Anodes are pressure die-cast and manufactured to strict quality standards through an ISO 9001 Quality Management System. Every anode is UPC barcoded. In addition, each alloy is guaranteed to be manufactured to the latest US Military Alloy Specification and is chemically tested regularly in our in-house labs to ensure consistency.

Poorly manufactured anodes may contain high levels of impurities such as iron, which will leave you unprotected. Martyr™ Anodes manufactures all 3 alloys for the 3 main water environments. Not all anodes are created equal so to be sure buy genuine Martyr™ Anodes.

CORROSION WILL OCCUR IN ALL TYPES OF WATER WITH DRAMATIC EFFECT

Metals have different electrochemical potentials when in contact with one another and form Galvanic cells. The metal with a lower potential in the galvanic cell will be anodic and will corrode. The same effect can occur in areas of different electrochemical potential in a single piece of metal such as a steel plate. Any craft moored and operating in fresh, salt or brackish water is at risk from corrosion and the effects can be costly.

Corrosion on Steel & Aluminum vessels can be identified as either areas of localized pitting to the hull plate, rudders, bilge keels etc. or less obviously in the form of general wastage of the hull plating often occurring below the paint coating.

Pitting can lead to the complete penetration of the hull below the waterline. General wastage of the steel can be just as critical, weakening the hull and necessitating expensive re-plating. Corrosion on Aluminum vessels is also generally in the form of localized pitting to the hull plate, rudders, bilge keels and particularly in way of weld seams. Pitting can lead to the complete penetration of the hull below the waterline necessitating expensive re-plating.



On wood and GRP vessels the areas of concern are principally the stern gear i.e. The propellers, shafts, shaft brackets, stern tubes and rudders which are expensive to replace and vital to the vessel, the failure of a propeller or rudder could have disastrous consequences. The effects of corrosion can vary from pitting of propellers and shafts to the decomposition of the alloy of propeller. The failure of something as small and inexpensive as a split pin can result in the loss of the propeller.

Stray current leakage is quite often cited as the cause of corrosion on all types of vessel however more often than not the problem can be traced to a galvanic action. Stray current leakage is the action of electrical current from an external power source such as a battery or shore power supply which because of some electrical system fault on board the vessel passes out through the hull or a fitting in the hull and flows through the water causing "Electrolytic" corrosion. Stray current leakage is usually a result of damage or wear to the wiring system or poor installation of wiring or electrical equipment.

WHAT CAN BE DONE TO PREVENT CORROSION?

The selection of materials is of prime importance in the construction of craft. Generally naval architects and boat builders ensure that they select metals which are as far as possible compatible to each other and when this is not possible metals must be isolated from one another. There will always be occasions when fittings or steel-work require replacement or repair and it is important that when this is done attention is paid to the same criteria. In particular ensure that fastenings and split pins are compatible and of the highest quality.

The paint system on any boat is an important first barrier against corrosion. Seek advice from the paint manufacturers for their recommendations on the most appropriate coating system and follow the application instructions completely. Ensure that a good anti-corrosive primer is applied if anti-fouling is to be used. When using a copper based anti-fouling none of the paint must be applied directly to bare metal surfaces.

Vegetable oil based paints, although far less widely available than in the past, should not be used with cathodic protection systems as the paint tends to saponify.

The correct installation of electrics on a boat will reduce the possibility of stray current leakage and the following actions are recommended.

- Use only high grade insulated wiring of suitable capacity. Undersized wires will cause resistance and consequent voltage drop.
- Clip or support all wires at suitable intervals to prevent fatigue and eventual fracture.
- Use only corrosion resistant terminals and connectors and make sure that all are clean and tight.

- Attach only the main battery leads to battery terminals.
- Fit an isolation switch in the battery circuit.
- Ensure that all battery circuits are correctly fused.
- Keep all wiring, connections and junction boxes above the bilge area and other areas likely to become wet.

Make sure that when fitting additional equipment the work is carried out in accordance with the manufacturer's instructions. The polarity of connections should be correct and each circuit must be correctly fused.

Electrical and electronic work is best carried out by a qualified marine electrician.

Ongoing maintenance on your boat is essential. Metal work, paint coatings and electrical installations all require regular inspection. In particular you should inspect the wind and water line area if owning a steel vessel. This area is particularly vulnerable because it is often prone to mechanical damage but derives no protection from an anode system being above the water line.

WHAT IS CATHODIC PROTECTION?

Cathodic protection is an electrochemical process which halts the natural reaction (corrosion) of metals in a particular environment by superimposing an electrochemical cell more powerful than the corrosion cell. Sacrificial Anodes are fitted or bonded to the metal to be protected which in turn as it has a greater electrical potential than the anode material becomes cathodic and causes the anode to waste instead of itself. In a correctly installed Martyr™ Cathodic Protection System the only corrosion occurs to the sacrificial anode which

is replaceable. The number and size of anodes is determined by the type of material and the surface area being protected.

The term bonding refers to the connection of the anode to a remote metal component such as the propeller shaft of rudder stock and it should be remembered that the integrity of the bonding is critical to the effectiveness of the cathodic protection system.

Several factors determine the type of cathodic protection system fitted. Firstly the environment in which the vessel is operating, secondly the size and type of construction and finally the length of time that the vessel is likely to be afloat before the next maintenance slipping.

aluminum anode will if left in fresh water for some time become covered with an off white crust of oxide which effectively seals the anode and stops it working even when returned to salt water.

Zinc Anodes suffer a similar problem even in brackish conditions where as Aluminum will continue to operate effectively in river estuaries and other areas of brackish water indefinitely. The consequences of this passivity of the anode are that the next most anodic item within the anode bonding system will start to sacrifice itself which could of course be very serious. It is therefore very important to check Zinc and Aluminum anodes after any trips into fresh water and if necessary clean off or change the anodes. Should a vessel move into

FIT THE CORRECT ANODE MATERIAL FOR THE WATERS YOUR VESSEL IS OPERATING IN



As a general rule owners should fit the anodes suitable for the environment they most regularly berth in and the following table provides a useful guide:

- Salt Water: Fit Zinc (Martyr™ I) or Aluminum Anodes
- Brackish Water: Fit Aluminum Anodes (Martyr™ II)
- Fresh Water: Fit Magnesium Anode (Martyr™ III)

Some vessels will from time to time move between salt and fresh water, others are berthed within marinas and behind tidal barriers where the water is enclosed and likely to be brackish or even virtually fresh. Owners must be aware of the effects that this may have on their boats and fit the correct cathodic protection system to avoid corrosion. Not all anodes are suitable for every environment, for example the surface of a zinc or

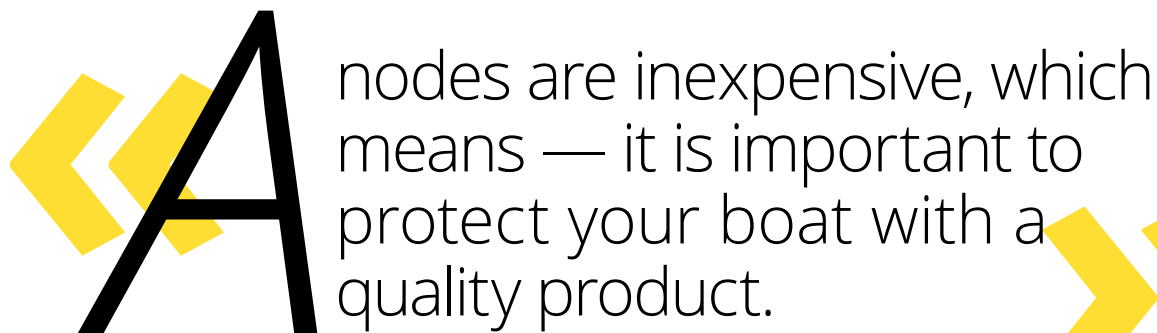
fresh water for more than two weeks Martyr™ recommends that an alternative anode system is used suitable for fresh water situations.

Magnesium Anodes on the other hand have a much higher driving voltage than zinc or aluminum making them highly suitable for use in fresh water, they will however become very active in salt water where they will probably only last a matter of months. Protected surfaces can build up a layer of off white calcareous deposit which will be difficult to remove. Magnesium anodes are not designed for prolonged use in sea water and if you are taking your boat into a salt water location for more than seven days (Fourteen days in any one year) you should consider changing the anodes.

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PORTLAND, OREGON



Anodes are inexpensive, which means — it is important to protect your boat with a quality product.

Martyr™ anodes are pressure diecast and manufactured to strict quality standards through an ISO 9001 Quality Management System.

In addition, each alloy is guaranteed to be manufactured to the latest US Military Alloy Specification and is chemically tested regularly in our in-house labs to ensure consistency. Copies of Material Certificate of Compliance are available upon request.

Poorly manufactured anodes may contain high levels of impurities such as iron, which will leave your investment unprotected. Martyr™ Anodes provide low cost cathodic protection of ocean-going vessels, structures and equipment constructed of iron, steel, aluminum, magnesium, and other metals. Martyr™ is the only manufacturer that offers all 3 alloys for all water environments for pleasurecraft and commercial vessels.



M2 ALUMINUM ALLOY ANODES:

- Perform **at least 5% better** than traditional zinc anodes in saltwater;
- Protect **50% longer** than traditional zinc anodes;
- Are environmentally friendly — contain **0% Cadmium**, a toxic material found in traditional zinc anodes;
- Weigh **50% less** than traditional zinc anodes;
- Meet the US Military Specification **Mil-DTL-24779C(SH)**;
- Are the only anodes proven to be effective in **Salt & Brackish water**;
- Results in considerable cost savings compared with traditional zinc anodes on commercial products.



WHY CADMIUM-FREE ANODES:

- 1.** EPA recommended Cathodic protection for sacrificial anode systems — choose the least toxic material that is practical. In order of preference: magnesium, aluminum, then zinc. ■ *ECM Maritime Services*
- 2.** The MTABC Board recommended that zinc anodes be prohibited now that aluminum anodes are available for virtually every application. It is the position of the MTABC Board that this legislation will truly and effectively reduce copper and zinc levels entering the Bay. The availability of copper-free paints and aluminum anodes has been satisfactorily explored. ■ *Marine Trades Association of Baltimore Country*
- 3.** Connecticut Department of Environmental Protection recommended Zinc Replacement: Potential Environmental Impacts — Sacrificial zinc anodes fight corrosion in salt water by deterring corrosion of metal hull and engine parts. Elevated levels of zinc in marina sediments have been found to be associated with boat operation and maintenance. Zinc, in high concentrations, can be toxic to marine life, and can be potentially toxic to humans who eat contaminated shellfish or fish. ■ *Connecticut Clean Marina Guidebook 2007, Pg. 26*
- 4.** BoatTECH advised in April 2012: In recent years cadmium in zinc has become an environmental concern, leading to a movement in the direction of aluminum anodes. Such anodes are effective even for protecting aluminum components — lower end cases, for example — because the aluminum used in the anode is a more anodic alloy. Aluminum alloy anodes are almost certainly to become more common. It has not happened already only because the cost of aluminum anodes has been higher than zinc without any discernable benefit to the boatowner. Today aluminum is actually cheaper than zinc. In addition, aluminum anodes tend to last longer, they work better than zinc in brackish water (and maybe in salt water as well) and they appear to be better for the environment. When making the switch from zinc to aluminum, ALL of your anodes must be aluminum. This can be a problem in some locales as many local marine suppliers still do not stock a wide selection of aluminum anodes. That will eventually change. In fresh water, magnesium anodes protect underwater metals better, particularly underwater aluminum. However, magnesium is a good choice for freshwater only.

STREAMLINED SHAFT ANODES IMPERIAL	CMX120(ZN/AL/MG)	34	CMC60(ZN/AL/MG)	37	CMPNCZF16(ZN/AL/MG)	42	CMAN250(ZN/AL/MG)	46	
	CMX123(ZN/AL/MG)	34	CMC65(ZN/AL/MG)	37	CMPNDZC09(ZN/AL/MG)	42	CMAN255(ZN/AL/MG)	46	
CMX00(ZN/AL/MG)	30	CMX125(ZN/AL/MG)	34	CMC70(ZN/AL/MG)	37	CMPNDZF14(ZN/AL/MG)	42	CMAN260(ZN/AL/MG)	46
CMX01(ZN/AL/MG)	30	CLAMP SHAFT ANODES IMPERIAL		CMC75(ZN/AL/MG)	37	CMPNEZC08(ZN/AL/MG)	42	FERRETTI ANODES	
CMX018(ZN/AL/MG)	30	CMXC01(ZN/AL/MG)	34	CMC80(ZN/AL/MG)	38	CMPNEZF14(ZN/AL/MG)	42	CMFE1(ZN)	47
CMX125(ZN/AL/MG)	30	CMXC02(ZN/AL/MG)	34	CMC85(ZN/AL/MG)	38	CMPNFZC07(ZN/AL/MG)	42	CMFE2(ZN)	47
CMX02(ZN/AL/MG)	30	CMXC03(ZN/AL/MG)	34	CMC90(ZN/AL/MG)	38	CMPNGZC07(ZN/AL/MG)	42	CMFE3(ZN)	47
CMX03(ZN/AL/MG)	30	CMXC04(ZN/AL/MG)	34	CMC95(ZN/AL/MG)	38	CMPNHZC06(ZN/AL/MG)	42	CMFE80(ZN)	47
CMX04(ZN/AL/MG)	30	CMXC05(ZN/AL/MG)	34	CMC100(ZN/AL/MG)	38	REPLACEMENT PROPELLER NUT ANODES	CMFE4(ZN)	48	
CMX05(ZN/AL/MG)	30	CMXC06(ZN/AL/MG)	35	CMC120(ZN/AL/MG)	38		CMFE5(ZN)	48	
CMX05A(ZN/AL/MG)	30	CMXC07(ZN/AL/MG)	35	EURO STYLE LIMITED CLEARANCE SHAFT ANODES	CMPNZA(ZN/AL/MG)	43	FLEXOFOLD ANODES		
CMX06(ZN/AL/MG)	30	CMXC08(ZN/AL/MG)	35		CMPNZB(ZN/AL/MG)	43	CMPNFX(ZN/AL/MG)		48
CMX0625(ZN/AL/MG)	30	CMXC09(ZN/AL/MG)	35		CMPNZC(ZN/AL/MG)	43	CMPNFF2(ZN/AL/MG)		48
CMX07(ZN/AL/MG)	30	CLAMP SHAFT ANODES METRIC		CMC22EURO(ZN/AL/MG)	38	CMPNZD(ZN/AL/MG)	43	GORI ANODES	
CMX08(ZN/AL/MG)	30	CMXC25(ZN/AL/MG)	35	CMC25EURO(ZN/AL/MG)	38	CMPNZE(ZN/AL/MG)	43	CM14072100(ZN)	49
CMX09(ZN/AL/MG)	31	CMXC30(ZN/AL/MG)	35	CMC30EURO(ZN/AL/MG)	38	CMPNZF(ZN/AL/MG)	43	CM14073100(ZN)	49
CMX10(ZN/AL/MG)	31	CMXC35(ZN/AL/MG)	35	CMC35EURO(ZN/AL/MG)	38	CMPNZG(ZN/AL/MG)	43	CM14074100(ZN)	49
CMX11(ZN/AL/MG)	31	CMXC40(ZN/AL/MG)	35	CMC40EURO(ZN/AL/MG)	38	CMPNZH(ZN/AL/MG)	43	CM14074511(ZN)	49
CMX14(ZN/AL/MG)	31	CMXC45(ZN/AL/MG)	35	CMC45EURO(ZN/AL/MG)	38	AUTOPROP ANODES		CM15539500(ZN)	49
CMX12(ZN/AL/MG)	31	CMXC50(ZN/AL/MG)	35	CMC50EURO(ZN/AL/MG)	38	CMPNH5(ZN/AL/MG)	43	CM15540000(ZN)	49
CMX13(ZN/AL/MG)	31	CMXC60(ZN/AL/MG)	35	RUDDER / TRIM TAB ANODES	CMPNH6(ZN/AL/MG)	43	CM15530000(ZN)		49
CMX15(ZN/AL/MG)	31	CMXC70(ZN/AL/MG)	35		CMPNH9(ZN/AL/MG)	43	CM15500000(ZN)		49
CMX17(ZN/AL/MG)	32	LIMITED CLEARANCE SHAFT ANODES IMPERIAL	CMR01(ZN/AL/MG)	39	AZIMUT BENETTI ANODES		CM15670000(ZN)		49
CMX18(ZN/AL/MG)	31		CMR02(ZN/AL/MG)	39	CMOU687Z	44	CM15527500(ZN)		49
CMX19(ZN/AL/MG)	32		CMR03(ZN/AL/MG)	39	BRP (EVINRUDE JOHNSON) PROPELLER ANODES	J-PROP ANODES			
CMX20(ZN/AL/MG)	32	CMC01(ZN/AL/MG)	36	CMR04(ZN/AL/MG)		39	CMJPROP60(ZN/AL/MG)		49
CMX21(ZN/AL/MG)	32	CMC02(ZN/AL/MG)	36	CMR05(ZN/AL/MG)	39	CMJPROP80(ZN)		49	
STREAMLINED SHAFT ANODES METRIC	CMC03(ZN/AL/MG)	36	CMR07(ZN/AL/MG)	39	CM5009138(ZN/AL/MG)	44	CMJPROP90(ZN)		49
	CMC04(ZN/AL/MG)	36	EURO STYLE RUDDER/TRIM TAB ANODES	CM5008813(ZN/AL/MG)	44	CMJP60(ZN)		49	
CMXM20(ZN/AL/MG)	32	CMC05(ZN/AL/MG)		36	BENETAU ANODES		MAX PROP ANODES		
CMXM22(ZN/AL/MG)	32	CMC06(ZN/AL/MG)		36	CMLAEC3250(ZN/AL/MG)	45	CMMP63R(ZN/AL/MG)		50
CMX25(ZN/AL/MG)	32	CMC07(ZN/AL/MG)	36	CMF50(ZN/AL/MG)	39	CMLAEC3300(ZN/AL/MG)	45	CMMP70R(ZN/AL/MG)	50
CMX28(ZN/AL/MG)	32	CMC08(ZN/AL/MG)	36	CMF70(ZN/AL/MG)	39	CMLAEC3500(ZN/AL/MG)	45	CMMP83R(ZN/AL/MG)	50
CMX30(ZN/AL/MG)	32	CMC09(ZN/AL/MG)	36	CMF90(ZN/AL/MG)	39	CMLAEC4000(ZN/AL/MG)	45	CMMP63M(ZN)	50
CMX34(ZN/AL/MG)	32	CMC09A(ZN/AL/MG)	36	CMF110(ZN/AL/MG)	39	CMLAEC4500(ZN/AL/MG)	45	CMMP70M(ZN)	50
CMX35(ZN/AL/MG)	32	CMC12(ZN/AL/MG)	36	CMF120(ZN/AL/MG)	39	CMLAEC4500EU(ZN/AL/MG)	45	CMMP83M(ZN)	50
CMX40(ZN/AL/MG)	32	CMC12A(ZN/AL/MG)	36	CMF125(ZN/AL/MG)	39	CMLAEC5000(ZN/AL/MG)	45	CMMP100M(ZN)	50
CMX45(ZN/AL/MG)	33	CMC13(ZN/AL/MG)	36	CMF128(ZN/AL/MG)	39	CMLAEC5500(ZN/AL/MG)	45	CMMP125M(ZN)	50
CMX50(ZN/AL/MG)	33	CMC14(ZN/AL/MG)	36	CMF140(ZN/AL/MG)	40	CMLAEC6000(ZN/AL/MG)	45	CMMP70SD(ZN)	50
CMX55(ZN/AL/MG)	33	CMC15(ZN/AL/MG)	37	CMF190(ZN/AL/MG)	40	CMLAEC10000(ZN/AL/MG)	45	CMMP83SD(ZN)	50
CMX60(ZN/AL/MG)	33	LIMITED CLEARANCE SHAFT ANODES METRIC	CMF50C(ZN/AL)	40	CMLAEC11000(ZN/AL/MG)	45	CMMP63M2B(ZN)		51
CMX65(ZN/AL/MG)	33		CMF70C(ZN/AL)	40	BENETAU REPLACEMENT ANODES	MTF ANODES			
CMX70(ZN/AL/MG)	33		CMF90C(ZN/AL)	40		CMMTF1(ZN)	51		
CMX75(ZN/AL/MG)	33	CMC20(ZN/AL/MG)	37	CMF110C(ZN/AL)	40	CMMTF2(ZN)	51		
CMX80(ZN/AL/MG)	33	CMC25(ZN/AL/MG)	37	CMF125C(ZN/AL)	40	CMAN225(ZN/AL/MG)	46	CMMTF3(ZN)	51
CMX85(ZN/AL/MG)	33	CMC30(ZN/AL/MG)	37	CMF140C(ZN/AL)	40	CMAN230(ZN/AL/MG)	46	RADICE ANODES	
CMX90(ZN/AL/MG)	33	CMC35(ZN/AL/MG)	37	PROPELLER NUT ANODES	CMAN235(ZN/AL/MG)	46	CMLAEC3250EU(ZN/AL/MG)51		
CMX95(ZN/AL/MG)	33	CMC40(ZN/AL/MG)	37		CMAN240(ZN/AL/MG)	46	CMLAEC3300EU(ZN/AL/MG)51		
CMX100(ZN/AL/MG)	34	CMC45(ZN/AL/MG)	37	CMPNAZC13(ZN/AL/MG)	42	CMAN245(ZN/AL/MG)	46	CMLAEC3500EU(ZN/AL/MG)51	
CMX110(ZN/AL/MG)	34	CMC50(ZN/AL/MG)	37	CMPNBZC11(ZN/AL/MG)	42	CMANCHN700(ZN/AL/MG)	46	CMLAEC4000EU(ZN/AL/MG)51	
CMX115(ZN/AL/MG)	34	CMC55(ZN/AL/MG)	37	CMPNCZC10(ZN/AL/MG)	42	CMAN245EU(ZN/AL/MG)	46	CMLAEC4500EU(ZN/AL/MG)51	

CMLAEC5000(ZN/AL/MG)	52	REGGIANI ANODES	HULL ANODES	SGVT507(ZN)	70	CM982277(ZN/AL/MG)	76		
CMLAEC5500(ZN/AL/MG)	52	CMRG20(ZN)	55	CMGROUPER(ZN/AL/MG)	61	SGVT240(ZN)	70	CM983494(ZN/AL/MG)	76
CMLAEC6000(ZN/AL/MG)	52	CMRG25(ZN)	55	CM DIVERBOND(AL)	62	SGVT695(ZN)	70	CM983952(ZN/AL/MG)	77
CMLAEC10000(ZN/AL/MG)	52	CMRG30(ZN)	55	CM DIVERMINI(ZN/AL/MG)	63	CMPL078(ZN)	70	CM983952(ZN/AL/MG)	77
CMLAEC11000(ZN/AL/MG)	52	CMRG35(ZN)	55	CM DIVER(ZN/AL/MG)	63	CMPL419(ZN)	70	CM984547(ZN/AL/MG)	77
RADICE REPLACEMENT ANODES		CMRG40(ZN)	55	CM DIVERH(ZN/AL/MG)	63	CMPL400(ZN/AL/MG)	70	CM5031705(ZN)	77
		CMRG45(ZN)	55	CM DIVERMINIH(ZN/AL/MG)	63	CMPL401(ZN/AL/MG)	70	CM434029(ZN)	77
		CMRG50(ZN)	55	CMZ10(ZN/AL/MG)	64	CMPL378(ZN/AL/MG)	70	CM395780(ZN)	78
CMAN225EU(ZN/AL/MG)	52	CMRG55(ZN)	55	CMM24(ZN/AL/MG)	64	CMFL075FZ	70	CM338635(ZN)	78
CMAN230EU(ZN/AL/MG)	52	CMRG60(ZN)	55	CMM25(ZN/AL/MG)	64	CMFL076F(ZN/AL/MG)	70	CM5032929(ZN)	78
CMAN235EU(ZN/AL/MG)	52	RIVA ANODES	CMM30(ZN/AL/MG)	64	CMPL357(ZN/AL/MG)	70	CM5532187J00(ZN/AL/MG)	78	
CMAN240EU(ZN/AL/MG)	52	CMOU656(ZN/AL/MG)	55	CMM40(ZN/AL/MG)	64	CMFL465(ZN)	70	CM5512595500(ZN)	78
CMAN245EU(ZN/AL/MG)	52	CMOU657(ZN/AL/MG)	55	CMMZ404(ZN/AL/MG)	65	CMPL574(ZN/AL/MG)	70	CM5532098600(ZN)	78
CMAN250(ZN/AL/MG)	52	CMRIVA2230(ZN)	55	CMMZC406(ZN/AL/MG)	65	CMZH054(ZN)	70	CM982438(ZN)	79
CMAN255(ZN/AL/MG)	52	CMRIVA3550(ZN)	55	CMN1(ZN/AL/MG)	65	CMRF484(ZN)	70	CM338742(ZN)	79
CMAN260(ZN/AL/MG)	52	CMOU686(ZN/AL/MG)	56	CMPMW(ZN/AL/MG)	65	CMSH090(ZN)	71	CM986158(ZN)	79
CMAN2100(ZN/AL/MG)	53	CMRV221615(ZN)	56	CMPNW(ZN/AL/MG)	65	CMSH091(ZN)	71	CM987067(ZN)	79
CMAN2110(ZN/AL/MG)	53	CMRV221620(ZN)	56	CMPOW(ZN/AL/MG)	65	CMSH125(ZN)	71	CM5532098400(ZN)	79
RADICE WASHER		CMRV2518175(ZN)	56	CMPPW(ZN/AL/MG)	65	CMSH126(ZN)	71	CM5532190J01(ZN)	79
WASHRAD2225C	53	CMRV251815(ZN)	56	CMT20(ZN/AL/MG)	66	CMSH127(ZN)	71	CM5532193900(ZN)	80
WASHRAD30C	53	CMRV251820(ZN)	56	CMT21(ZN/AL/MG)	66	RP SERIES RUDDER ANODES	CM5031538(ZN)	80	
WASHRAD35C	53	CMRV302015(ZN)	56	CMZ24B5(ZN/AL/MG)	66		BRP ANODE KITS		
WASHRAD40C	53	CMRV352420(ZN)	56	CMZHC2(ZN/AL/MG)	66	CMRP4(ZN/AL/MG)	71	CMSTRGERKIT(ZN/AL/MG)	80
WASHRAD45C	53	CMRV402620(ZN)	56	CMZHC3(ZN/AL/MG)	66	CMRP5(ZN/AL/MG)	71	CMCOBRAKIT(ZN/AL/MG)	80
WASHRAD50C	53	CMRV2230(ZN)	56	CMZHC5(ZN/AL/MG)	66	CMRP6S(ZN/AL/MG)	71	CMOMC5075KIT(ZN/AL/MG)	80
WASHRAD55C	53	CMRV3550(ZN)	56	CMAC073(ZN)	67	CMRP6(ZN/AL/MG)	71	CMOMCV4V6KIT(ZN/AL/MG)	80
WASHRAD60C	53	INTERNAL SQUARE ANODES	CMPO029(ZN)	67	CMRP7(ZN/AL/MG)	71	BMW ANODES		
WASHRAD100C	53		CMCH006(ZN)	67	CMRP8(ZN/AL/MG)	71	CMBW175(ZN)	81	
RADICE ANODES HEXAGONAL		CMIQ648(ZN)	56	CMZH470(ZN)	67	CMRP9(ZN/AL/MG)	71	CMBW499(ZN)	81
		S LORENZO ANODES	CMZH058(ZN)	67	ROUND PLATE ANODES	CMBW172(ZN)	81		
CMPNRAD225C(ZN/AL/MG)	53	CMOU688(ZN)	56	CMZH058N(ZN)		67	CMBW173(ZN)	81	
CMPNRAD30C(ZN/AL/MG)	53	SHAFRAN ANODES	CMPL505(ZN)	68	SGBA001(ZN/AL/MG)	72	CMBW043(ZN)	81	
CMPNRAD35C(ZN/AL/MG)	53	CMSH579(ZN)	57	SGFL501(ZN/AL/MG)	68	SGBA506(ZN/AL/MG)	72	CMBW044(ZN)	81
CMPNRAD40C(ZN/AL/MG)	53	CMSH587(ZN)	57	CMZH479(ZN)	68	SGBA597(ZN/AL/MG)	72	BUKH ANODES	
CMPNRAD45C(ZN/AL/MG)	53	CMSH649(ZN)	57	CMZH494(ZN)	68	CMF90B(ZN/AL/MG)	72	CMB00E5829(ZN/AL/MG)	82
CMPNRAD50C(ZN/AL/MG)	54	CMSH650(ZN)	57	CMZH504(ZN)	68	BRP OMC/JOHNSON EVINRUDE ANODES	CMB00E0450(ZN/AL/MG)	82	
CMPNRAD55C(ZN/AL/MG)	54	CMSH651(ZN)	57	SGAO072(ZN/AL/MG)	68		CASTOLDI ANODES		
CMPNRAD60C(ZN/AL/MG)	54	CMSH732(ZN)	57	CMFL075(ZN)	69	CM123009(ZN/AL/MG)	74	CM590140552(ZN)	82
CMPNRAD100C(ZN/AL/MG)	54	SOLE ANODES	CMFL074(ZN)	69	CM327606(ZN/AL/MG)	74	CM542150626(ZN)	82	
RADICE REPLACEMENT ANODES HEXAGONAL		CMPNSOLE1(ZN/AL/MG)	57	CMFL076(ZN)	69	CM334451(ZN/AL/MG)	74	CM542160824(ZN)	82
		CMPNSOLE2(ZN/AL/MG)	57	CMRF104(ZN)	69	CM367(ZN/AL/MG)	74	CM590163243(ZN)	82
		CMPNSOLE3(ZN/AL/MG)	57	CMZH480(ZN)	69	CM389999(ZN/AL/MG)	74	CM59066209(ZN)	82
CMPNRAD225(ZN/AL/MG)	54	CMPNSOLE4(ZN/AL/MG)	57	CMSH505(ZN)	69	CM392123(ZN/AL/MG)	74	DUF0UR ANODES	
CMPNRAD30(ZN/AL/MG)	54	LEWMAR ANODES	SGPL356(ZN)	69	CM392462(ZN/AL/MG)	75	CMDU22(ZN)	83	
CMPNRAD35(ZN/AL/MG)	54	CM589150(ZN)	59	SGPL576(ZN)	69	CM393023(ZN/AL/MG)	75	CMDU25(ZN)	83
CMPNRAD40(ZN/AL/MG)	54	CM589350(ZN)	59	SGPL355(ZN)	69	CM397768(ZN/AL/MG)	75	CMDU30(ZN)	83
CMPNRAD45(ZN/AL/MG)	54	CM589550(ZN)	59	SGPL573(ZN)	69	CM398331(ZN/AL/MG)	75	HIDEA ANODES	
CMPNRAD50(ZN/AL/MG)	54	MAX POWER ANODES	SGPL572(ZN)	69	CM398873(ZN/AL/MG)	75	CM6J81132500(ZN)	83	
CMPNRAD55(ZN/AL/MG)	54	CMMP586(ZN)	59	SGSH16(ZN/AL/MG)	69	CM431708(ZN/AL/MG)	76	HONDA ANODES	
CMPNRAD60(ZN/AL/MG)	54	CMMP676(ZN)	59	SGSH25(ZN/AL/MG)	69	CM5007089(ZN/AL/MG)	76	CM06411ZV5(ZN/AL/MG)	83
CMPNRAD100(ZN/AL/MG)	54	CMMP677(ZN)	59	SGVT070(ZN)	70	CM980756(ZN/AL/MG)	76	CM06411ZW1(ZN/AL/MG)	83

CM41109ZW1003 (CM826134)(ZN/AL/MG)	84	CM892227(ZN/AL/MG)	93	CM806190KITA	99	CM2504020(ZN)	107	CM852835(ZN/AL/MG)	117	
		CM89949(ZN/AL/MG)	93	CM818298KIT(AL/MG)	99	CM2504025(ZN)	107	CM872793(ZN/AL/MG)	117	
CM6644537101(ZN/AL/MG)	84	CM984325(ZN/AL/MG)	93	CM821629KIT(AL/MG)	99	CM2504035(ZN)	107	CM873395(ZN/AL/MG)	118	
CM41107ZV500(ZN/AL/MG)	84	CM804079002(ZN)	94	CM821630KIT(AL/MG)	99	CM2500010(ZN)	108	CM872139(ZN/AL/MG)	118	
CM41107ZW1B01(ZN/AL/MG)	84	CM822777(ZN)	94	CM821631KIT(AL/MG)	99	CM2500065(ZN)	108	CM875812(ZN/AL/MG)	118	
CM41107Z2W1003(ZN/AL/MG)	85	CM826887M(ZN)	94	CM821634KIT(AL/MG)	99	CM2504015(ZN)	108	CM875821(ZN/AL/MG)	118	
CM41109ZW1B00(ZN/AL/MG)	85	CM823912(ZN)	94	CM865182KIT(AL/MG)	99	CM82795M(ZN)	108	CM40005875(ZN/AL/MG)	119	
CM6E04525111(ZN/AL/MG)	85	CM42121(ZN)	94	NISSAN TOHATSU ANODES		CM67C4525100(ZN)	108	CM832934(ZN)	119	
CM41106ZW9000(ZN)	85	CM85824A3(ZN)	95				SUZUKI ANODES		CM855105(ZN/AL/MG)	119
HONDA ANODE KITS		CM94286T1(ZN)	95	CM3C7602181(ZN/AL/MG)	100	CM5512587D00(ZN/AL/MG)	109	CM833913(ZN/AL/MG)	119	
CMHBF57115KIT(ZN/AL/MG)	86	CM47820A1(ZN)	95	CM5338602182A0(ZN/AL/MG)	100	CM551259630(ZN/AL/MG)	109	CM833915(ZN/AL/MG)	119	
CMHBF4050KIT(ZN/AL/MG)	86	CM825271(ZN)	95	CM3H660218000(ZN/AL/MG)	100	CM5532095310(ZN/AL/MG)	109	CM828140(ZN/AL/MG)	119	
CMHBF35225KIT(ZN/AL/MG)	86	CM76214Q5(ZN)	96	CM3V1602170(ZN/AL/MG)	100	CM5532194900(ZN/AL/MG)	109	CMV339(ZN)	119	
KAMEWA ANODES		CM17264C1(ZN)	96	CM348602170(ZN)	100	CM1113094600(ZN/AL/MG)	109	CM876638(ZN)	120	
CMKA614(ZN)	87	CM09411(ZN)	96	CM3C8602170(ZN)	101	CM5512595301(ZN/AL/MG)	110	SGSP71180(ZN)	120	
CMKA615Z(ZN)	87	CM8239121(ZN)	96	CM3B76021700(ZN)	101	CM5512595500(ZN)	110	CM41100098(ZN/AL/MG)	120	
CMKA616Z(ZN)	87	MERCURUISER ENHANCED PROTECTION PROP NUT		CM3B7602181(ZN)	101	CM5512594502(ZN)	110	CM41100276(ZN)	120	
CMKA617Z(ZN)	87				CM369602181(ZN)	101	CM5532098600(ZN)	110	CM8520219(ZN/AL/MG)	120
CMKA730Z(ZN)	87				CM3M2602181(ZN)	102	CM5532098400(ZN)	110	VOLVO PENTA ANODE KITS	
CMKA618Z(ZN)	87	CMPNDZF14UNS(ZN/AL/MG)	97	PAINIER ANODES		CM5532190J01(ZN)	111			
CMKA619Z(ZN)	87	CMPNCF16(ZN/AL/MG)	97	CM6634525100(ZN/AL/MG)	102	CM5512587E01(ZN)	111	CM280KIT(ZN/AL/MG)	121	
CMKA620Z(ZN)	87	CMPNEZF14(ZN/AL/MG)	97	CM63D4525101(ZN/AL/MG)	102	CM4181198500(ZN)	111	CM280DPKIT(ZN/AL/MG)	121	
CMKA621Z(ZN)	87	CM865182C(ZN/AL/MG)	97	CM6H31132501(ZN/AL/MG)	102	CM5532193900(ZN/AL/MG)	111	CM290KIT(ZN/AL/MG)	121	
CMKA622Z(ZN)	87	MERCURY ANODE KITS		PARSUN ANODES		CM5530095500(ZN)	111	CM290DPKIT(ZN/AL/MG)	121	
CMKA623Z(ZN)	88	CMVERADO4KIT(AL/MG)	98	CM6G81132500(ZN/AL/MG)	103	CM5532187J00(ZN)	111	CMDPHKIT(ZN/AL/MG)	121	
CMKA624Z(ZN)	88	CMVERADO6KIT(AL/MG)	98	CM6L5452510300(ZN/AL/MG)	103	SUZUKI ANODE KITS		CMSXKIT(ZN/AL/MG)	122	
SGPL573Z(ZN)	88	CMALPHAGEN1KIT(ZN/AL/MG)	98	CM8018(ZN/AL/MG)	103	CMSZ90140KIT(ZN/AL/MG)	112	CMSXAKIT(ZN/AL/MG)	122	
MERCURY MERCURUISER ANODES		CMALPHAKIT(ZN/AL/MG)	98	CM66M1132500(ZN/AL/MG)	103	CMSZ4050KIT(ZN/AL/MG)	112	CM3858399KIT(ZN/AL/MG)	122	
		CMBRAVO1KIT(ZN/AL/MG)	98	CM6E51132500(ZN/AL/MG)	104	VOLVO PENTA ANODES		VOLVO ANODE KITS		
CM847635001(ZN/AL/MG)	88	CMBRAVO23KIT(ZN/AL/MG)	99	CM6821132500(ZN/AL/MG)	104	CMV15Z(CM875810Z)(ZN/AL/MG)	112	CM290EUKIT(ZN/AL/MG)	122	
CM31640(ZN/AL/MG)	89	CMBRAVO3KIT(ZN/AL/MG)	99	CM62Y1132500(ZN/AL/MG)	104	CMV16Z(CM875809Z)(ZN/AL/MG)	112	CM290DPPEUKIT(ZN/AL/MG)	122	
CM34127(ZN/AL/MG)	89	CM31640KIT(AL/MG)	99	CM6764525100(ZN/AL/MG)	104	CMV17Z(CM875806-4Z)(ZN/AL/MG)	113	CM3584442KIT(ZN/AL/MG)	123	
CM34762(ZN/AL/MG)	89	CM55989KIT(AL/MG)	99	CM67C4525100(ZN/AL/MG)	105	CMV18Z(CM875815-3Z)(ZN/AL/MG)	113	CMVPIPSKIT(ZN/AL/MG)	123	
CM43396(ZN/AL/MG)	89	CM762144KIT(AL/MG)	99	CM6761132500(ZN/AL/MG)	105	CM21718129(ZN/AL/MG)	113	YAMAHA ANODES		
CM43994(ZN/AL/MG)	90	CM762145KIT(AL/MG)	99	CM6881132500(ZN/AL/MG)	105	CM358407(ZN/AL/MG)	113	CM61A4537100(ZN/AL/MG)	123	
CM46399(ZN/AL/MG)	90	CM806105KIT(AL/MG)	99	CM6891132500(ZN/AL/MG)	105	CM3588745(ZN/AL/MG)	113	CM61N4525101(ZN/AL/MG)	123	
CM55989(ZN/AL/MG)	90	CM806188KIT(AL/MG)	99	RENAULT ANODES		CM3593881(ZN/AL/MG)	114	CM6644537101(ZN/AL/MG)	123	
CM76214(ZN/AL/MG)	90	CMVERADO4KIT(AL/MG)	98	CMRE16(ZN/AL/MG)	106	CM3589875(ZN/AL/MG)	114	CM6884525101(ZN/AL/MG)	123	
CM762144(ZN/AL/MG)	90	CMVERADO6KIT(AL/MG)	98	CMRE20(ZN/AL/MG)	106	CM3841427(ZN/AL/MG)	114	CM6884537102(ZN/AL/MG)	124	
CM762145(ZN/AL/MG)	91	CMALPHAGEN1KIT(ZN/AL/MG)	98	CMRE28(ZN/AL/MG)	106	CM3852970(ZN/AL/MG)	114	CM6E04525111(ZN/AL/MG)	124	
CM806105(ZN/AL/MG)	91	CMALPHAKIT(ZN/AL/MG)	98	CMRE50(ZN)	106	CM3854130(ZN/AL/MG)	114	CM6J94537101(ZN/AL/MG)	124	
CM806188(ZN/AL/MG)	91	CMBRAVO1KIT(ZN/AL/MG)	98	SEASALL ENGINE ANODES		CM3855411(ZN/AL/MG)	115	CM6K14537102(ZN/AL/MG)	124	
CM806189(ZN/AL/MG)	91	CMBRAVO23KIT(ZN/AL/MG)	99			CM3861636(ZN/AL/MG)	115	CM69L4537100(ZN/AL/MG)	124	
CM806190(ZN/AL/MG)	91	CMBRAVO3KIT(ZN/AL/MG)	99	CMHS1760(ZN)	106	CM3861634(ZN/AL/MG)	115	CM6E54525100(ZN/AL/MG)	125	
CM818298(ZN/AL/MG)	92	CM31640KIT(AL/MG)	99	CMHS1760P(ZN)	106	CM3863206(ZN/AL/MG)	115	CM6E54537101(ZN/AL/MG)	125	
CM821629C(ZN/AL/MG)	92	CM55989KIT(AL/MG)	99	CMPEPHS1420(ZN)	106	CM3883728(ZN/AL/MG)	116	CM6K14537100(ZN/AL/MG)	125	
CM821630C2(ZN/AL/MG)	92	CM762144KIT(AL/MG)	99	SELVA ANODES		CM832598(ZN/AL/MG)	116	CM6G54525101(ZN/AL/MG)	125	
CM821631(ZN/AL/MG)	92	CM762145KIT(AL/MG)	99	CM9005655(ZN)	107	CM838929(ZN/AL/MG)	116	CM6H14525102(ZN/AL/MG)	125	
CM822157C2(ZN/AL/MG)	92	CM806105KIT(AL/MG)	99	CM9005660(ZN)	107	CM851983(ZN/AL/MG)	116	CM68V1132501(ZN/AL/MG)	126	
CM826134(ZN/AL/MG)	93	CM806188KIT(AL/MG)	99	CM9005655(ZN)	107	CM823661(ZN/AL/MG)	117	CM68T4525100(ZN/AL/MG)	126	
CM880653(ZN/AL/MG)	93	CM806189KIT(AL/MG)	99	CM2500050(ZN)	107	CM852018(CM850982)(ZN/AL/MG)	117	CM6891132500(ZN/AL/MG)	126	

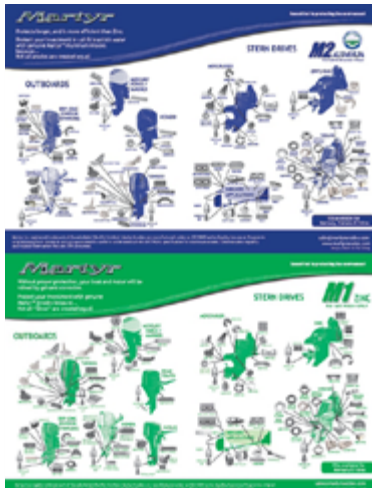
CM41106ZW000(ZN/AL/MG)	126	CMY80100KIT(ZN/AL/MG)	136	CMAR671(ZN)	141	CMEBP4512	143	CMECU16P(ZN)	145
CM6L54525102(ZN/AL/MG)	127	YANMAR ANODES		CMAR672(ZN)	141	CM8109743(ZN)	143	CMCU1865(ZN)	145
CM6794525100(ZN)	127	CM19642002652(ZN)	136	ENGINE COOLING SYSTEM ANODES		CM8109743P(ZN)	143	CMCU1645(ZN)	145
CM67F1132500(ZN)	127	SGMA015(ZN)	136		CMEBP712	144	CMCU1020(ZN)	145	
CM42121(ZN)	127	SGYN068(ZN)	136	CME00(ZN)	142	CMAF720(ZN)	144	CMCU1020P(ZN)	145
CM825271(ZN)	127	SGYN069(ZN)	136	CME0(ZN)	142	CMEAF720P(ZN)	144	CMFO1018(ZN)	145
CM82795M(ZN/AL/MG)	128	SGYN224(ZN)	136	CME1(ZN)	142	CMEBP510	144	CMFO1018P(ZN)	145
CM6E84525100(ZN)	128	SGYN261(ZN)	137	CME1D(ZN)	142	CMBM1241(ZN)	144	CMEBP8514	146
CM6E84525102(ZN)	128	SGYN245(ZN)	137	CME1E(ZN)	142	CMBM1241P(ZN)	144	CMFO1332(ZN)	146
CM6G14525102(ZN)	128	SGYN744(ZN)	137	CME1F(ZN)	142	CMEBP3838	144	CM8517479(ZN)	146
CM6H14525101(ZN)	128	SGYN745(ZN)	137	CME1G(ZN)	142	CMEBD20(ZN)	144	CM8517479P(ZN)	146
CM6G14525103(ZN)	129	SGYN746(ZN)	137	CME1H(ZN)	142	CMEBD20P(ZN)	144	CM8515851Z (8515851SERIES)(ZN)	146
CM6T54537100(ZN)	129	SGYN747(ZN)	138	CME2(ZN)	142	CMEBP824	144		
CM6T44583600(ZN)	129	YANMAR ANODE KITS		CME2S(ZN)	142	CMB00E0450(ZN)	144	CM8515842(ZN)	146
CM6T54537300(ZN)	129		CME3(ZN)	142	CMBK1240(ZN)	144	CM8925832(ZN)	146	
CM63D4525101(ZN)	130	CM19644002660KIT(ZN)	138	CME3S(ZN)	142	CM8515850(ZN)	144	CMEZ2(ZN)	146
CM67C4525100(ZN/AL/MG)	130	CM19644002690(ZN)	138	CME4(ZN)	142	CMBM1241(ZN)	144	CMIF2034(ZN)	146
CM6U04525100(ZN)	130	SGYNZT350(ZN)	138	CME5(ZN)	142	CMBM1241P(ZN)	144	CMIF2034P(ZN)	146
CM6U34525101(ZN)	130	CM11977392600KIT(ZN)	138	CME2BSP(ZN)	142	CMEBP3838	144	CMMP1348(ZN)	146
CM6G84525101(ZN)	130	BENNET TRIM TAB ANODES AND KITS		CME3BSP(ZN)	142	CM6L2288(ZN)	144	CMMP1348(ZN)	146
CM66M4537100(ZN)	131		CME0A(ZN)	142	CM6L2288P (2284 SERIES)(ZN)	144	CM970494635(ZN)	146	
CM62Y1132500(ZN)	131	CMBNT1A(ZN/AL/MG)	139	CME2B(ZN)	142	CM970494635P(ZN)	146		
CM67C4537100(ZN/AL/MG)	131	CMBNT1AKIT(ZN/AL/MG)	139	CMEP00	142	CMEBP3812	144	CMEBP816	146
CM6E54537110(ZN)	131	DE-ICER AERATOR ANODES		CMEP0	142	CM6L2289Z (2289 SERIES)(ZN)	144	CMNN2525(ZN)	146
CM6G81132500(ZN)	131		CMEP1	142	CMNN2525P(ZN)	146			
CM66M1132500(ZN/AL/MG)	132	CMDEICER(ZN/AL/MG)	139	CMEP2	142	CM6L2289P(ZN)	144	CMEBP2230	146
CM6881132500(ZN/AL/MG)	132	FRIGO-BOAT ANODES		CMEP3	142	CM6L2283(ZN)	144	CMON1030(ZN)	146
CM6E51132500(ZN/AL/MG)	132		CMEP2BSP	142	CM6L2283P(ZN)	144	CM1301341P(ZN)	146	
CM67F4537100(ZN)	132	CM51525(ZN/AL/MG)	139	CMEP3BSP	142	CMEBP1414	144	CMEBP51638	146
CM6J94537100(ZN)	132	GROUND PLATE ANODES		CMEZ00(ZN)	143	CM6L2016(ZN)	144	CMON1326(ZN)	146
CM6BL1132500(ZN)	133		CMEZ0(ZN)	143	CM6L2016P(ZN)	145	CMON1131(ZN)	146	
CM68T1132500(ZN)	133	10421419	139	CMEZ1(ZN)	143	CMEBP5834	145	CMON1131P(ZN)	146
CM67F1132501(ZN)	133	10421420	139	CMEZ1D(ZN)	143	CM6L3104(ZN)	145	CMEBP838	146
CM63P1132511(ZN)	133	10421421	139	CMEZ1E(ZN)	143	CMCA3208Z (3208SERIES)(ZN)	145	CMSC1645(ZN)	146
CM63P1132501(ZN)	133	10421422	139	CMEZ1F(ZN)	143		CMERE14(ZN)	147	
CM61A1132500(ZN)	133	LINE CUTTER ANODES		CMEZ1G(ZN)	143	CM6L2285(ZN/AL/MG)	145	CMERE14P(ZN)	147
CM6U44537300(ZN)	134		CMEZ1H(ZN)	143	CM6L2284Z (2284SERIES)(ZN)	145	CMEREBP18	147	
CM6U44525100(ZN)	134	CMLCA(ZN/AL/MG)	140	CMEZ2(ZN)	143	CMRE1130P(ZN)	147		
CM6AW4525100(ZN/AL/MG)	134	CMLCB(ZN/AL/MG)	140	CMEZ2S(ZN)	143	CM2280G(ZN)	145	CMVM40(ZN)	147
CM6AW4537300(ZN/AL/MG)	134	CMLCCDE(ZN/AL/MG)	140	CMEZ3(ZN)	143	CM2280GP(ZN)	145	CMVM40P(ZN)	147
CM6H14525102(ZN/AL/MG)	134	CMLCF1(ZN/AL/MG)	140	CMEZ3S(ZN)	143	CMEBP71638	145	CMVMBP8	147
YAMAHA ANODE KITS		SEA STRAINER		CMEZ4(ZN)	143	CMCA1230(ZN)	145	CMVM20(ZN)	147
CMY150KIT(AL/MG)	135	ANODES		CMEZ5(ZN)	143	CMCA1230P(ZN)	145	CMVM20P(ZN)	147
CMY150CRKIT(AL/MG)	135	CMSZ1(ZN/AL/MG)	140	CM8105277(ZN)	143	CMEBP3838	145	CMVMBP8	147
CMY200250KIT(AL/MG)	135	CM656934(ZN/AL/MG)(DOKA)	140	CM8105277P(ZN)	143	CM6L2283(ZN)	145	CMVMM10(ZN)	147
CMYHP200300KIT(AL/MG)	135	TWIN DISK ANODES		CMEBP1018	143	CM6L2288(ZN)	145	CMVMM10P(ZN)	147
YAMAHA MARINER ANODE KITS		ARNSMALL(ZN/AL/MG)	140	CM8101772(ZN)	143	CM6L2016(ZN)	145	CM8517479(ZN)	147
		ARNLARGE(ZN/AL/MG)	140	CM8101772P(ZN)	143	CMCU1650(ZN)	145	CM838929 (200-250-270)(ZN/AL/MG)	147
CMY6090KIT(ZN/AL/MG)	135	CMFL465(ZN)	141	CMEBP1428	143	CMCU1650P(ZN)	145		
CMY4060KIT(ZN/AL/MG)	135	CMAR580(ZN)	141	CMAF920(ZN)	143	CMEBP1212	145	CMEZ2SZ	147
CMY4050KIT(ZN/AL/MG)	136	CMAR670(ZN)	141	CMAF920P(ZN)	143	CMECU16(ZN)	145	CM823661Z(ZN/AL/MG)	147

CMVP16520(ZN)	147	CM36B5S(ZN/AL)	160	CMC6C75B(ZN/AL)	168	CMP0515115 (ZN/AL)	171	CMR139(ZN)	173
SGYN068Z (YANMAR8-10HP)(ZN)	147	CMZD78B(ZN)	160	CRAB TRAP ANODES					CMR12539(ZN)
		CM1661G(ZN/AL)	160	CMZCT2W(ZN/AL)	169	CMP051512(ZN/AL)	171	WALTER KEEL ANODES	
SGYN069(ZN)	147	CMZ03B5(ZN/AL)	161	CMCTHB(ZN/AL)	169	CMP05204(ZN/AL)	171	CMKK1(ZN/AL/MG)	174
SGYN069T(ZN)	147	CMH06 (AZIMUT)(ZN/AL)	161	HEAT EXCHANGER ANODES		CMP05212(ZN/AL)	171	CMKK2(ZN/AL/MG)	174
SGYN224(ZN)	147	CMZ03(ZN/AL)	161				CMP05224(ZN/AL)	171	CMKK3(ZN/AL/MG)
SGYN224T(ZN)	147	CMZ03B(ZN/AL)	161	CMH2B2(ZN/AL)	169	CMP05303(ZN/AL)	171	CMX453(ZN/AL/MG)	174
COMMERCIAL HULL ANODES		CMZ15B(ZN/AL)	161	CMH2B3(ZN/AL)	169	CMP05306(ZN/AL)	172	CMX473(ZN/AL/MG)	174
		CMZD72BM(ZN/AL)	162	CMH2B4(ZN/AL)	169	CMP05406(ZN/AL)	172	CMX58(ZN/AL/MG)	174
CM656934(ZN/AL)	152	CM810S(ZN/AL)	162	CMH2B5(ZN/AL)	169	CMP05312(ZN/AL)	172	COMMERCIAL HULL ANODES SPECIAL ORDERS	
CMT20(ZN/AL/MG)	152	CMZ18BG(ZN/AL/MG)	162	CMH2B6(ZN/AL)	169	CMP05606(ZN/AL)	172		
CM200(ZN)	152	CMH20B(ZN/AL)	162	CMH2B9(AL)	169	CMP05612(ZN/AL)	172	JDP320220(ZN)	176
CMM24(ZN/AL)	152	CMMG5G(MG)	162	CMH2B11(ZN/AL)	169	CMP075106(ZN/AL)	172	JDP320221(ZN)	176
CMZ12(ZN/AL)	152	CM812125(ZN/AL)	163	CMH1B6G(ZN/AL)	169	CMP075303(ZN/AL)	172	JDP320222(ZN/AL)	176
CM335(ZN/AL)	153	CMZ19(ZN/AL)	163	OLYMPIC DRIVE ANODES		CMP075306(ZN/AL)	172	JDB2GB(ZN/AL)	176
CMT21(ZN/AL/MG)	153	CMZ24B5(ZN/AL)	163				CMP075606(ZN/AL)	172	JDP320223(ZN)
CM500(ZN)	153	CMZ01B5/ZHC23(ZN/AL)	163	CMOLY(ZN/AL)	170	CMP075612(ZN/AL)	172	JDH395B(ZN/AL)	177
CMZ13(ZN/AL)	153	CMZ02/CMZHS23Z(ZN/AL)	163	CMOLY1H(ZN/AL)	170	CMP1206(ZN/AL)	172	JDH24G(ZN/AL)	177
CMZD56(ZN)	153	CMZ22(ZN/AL)	163	PLATFORM/ STANDOFF ANODES		CMP1303(ZN/AL)	172	JDP320219(ZN)	177
CMM30(ZN/AL)	154	CMP5B2B(ZN/AL)	164				CMP1304(ZN/AL)	172	JDH48G(ZN/AL)
CM35G(ZN/AL)	154	CMZD72B(ZN)	164	TYPE1(AL)	170	CMP1306(ZN/AL)	172	JDDM20(ZN/AL)	177
CMZHC3A(ZN/AL)	154	CMZ26(ZN/AL)	164	TYPE2(AL)	170	CMP1406(ZN/AL)	172	JDB3GB(ZN/AL)	178
CMZHC2A(ZN/AL)	154	CMH19B(ZN)	164	HEATER TREATER ANODES		CMP1606(ZN/AL)	172	JDP320224(ZN)	178
CMM40(ZN/AL)	154	CM812(ZN/AL)	164				CMP1612(ZN/AL)	172	JDDM28GB(ZN/AL)
CM1000(ZN)	155	CMM120B(ZN/AL)	165	CMHT321(ZN/AL)	170	CMP075406(ZN/AL)	172	JDH62GB(ZN/AL)	178
CM DIVERMINI(ZN/AL/MG)	155	CMMA2204(ZN/AL)	165	CMHT330(ZN/AL)	170	CMP11504(ZN/AL)	172	JDH49GB(ZN/AL)	178
CMN1(ZN/AL)	155	CMMG10G(MG)	165	PROP NUT ANODES		CMP11505(ZN/AL)	172	JDH56GB(ZN/AL)	179
CMH18B(ZN)	155	CMP7B2BS/ CMZHC50(ZN/AL)	165	CMPN01(ZN/AL)	170	CMP166(ZN/AL)	173	JDH10G(ZN/AL)	179
CM2431G(ZN/AL)	155					CMPN02(ZN/AL)	170	CMP631(ZN/AL)	173
CMZ06(ZN/AL)	156	CMZHC47/ CMZHC42(ZN/AL)	165	CMPN03(ZN/AL)	170	CMP05306W (ZN/AL)	173	JDH55GB(ZN/AL)	179
CMMZ404(ZN/AL)	156							CMPN04(ZN/AL)	170
CMZ14(ZN/AL)	156	CMZHS47/ CMZHS42(ZN/AL)	166	CMPN05(ZN/AL)	170	CMP05606W (ZN/AL)	173	JDBGZH02(ZN/AL)	180
CMM25(ZN/AL)	156							CMPN06(ZN/AL)	171
CM37G(ZN/AL)	156	CMMA2244L/ CMZHS50(ZN/AL)	166	CMPN07(ZN/AL)	171	CMP05612W (ZN/AL)	173	JDH50GB(ZN/AL)	180
CMARCHN(ZN/AL)	157							CMPN08(ZN/AL)	171
CM2000(ZN)	157	CMMA2244S(ZN/AL)	166	CMPN09(ZN/AL)	171	CMP075306W (ZN/AL)	173	JDB8GB(ZN/AL)	180
CM2631G(ZN/AL)	157	CM260S(ZN/AL)	166	CMPN10(ZN/AL)	171			JDDM60G(ZN/AL)	181
CMZHC5A(ZN/AL)	157	CMMG24G(MG)	166	CMPN11(ZN/AL)	171	CMP075406W (ZN/AL)	173	JDH61GB(ZN/AL)	181
CMZD58(ZN/AL)	157	CMMA3305S(ZN/AL)	167	CMPN12(ZN/AL)	171			JDS8G(ZN/AL)	181
CMZC5(ZN/AL)	158	CMMA3365CS(ZN/AL)	167	CMPN13A(ZN/AL)	171	ROD STOCK ANODES		JDH63GB(ZN/AL)	181
CMZTS(ZN/AL)	158	CMMA4545CS(ZN/AL)	167	CMPN13B(ZN/AL)	171	CMR0512(ZN)	173	JDH51G(ZN/AL)	181
CMZ04(ZN/AL)	158	BALLAST TANK ANODES		PLATE STOCK ANODES		CMR062512(ZN)	173	JDB9GB(ZN/AL)	182
CMHT1(ZN/AL)	158								
CMZD77EURO(ZN)	158	CMMA2602S(ZN/AL)	168	CMPM/CMPMW (ZN/AL)	171	CMR1524(ZN)	173	JDS9G(ZN/AL)	182
CM273125G(ZN/AL)	159	CMMA3602S(ZN/AL)	168					CMR224(ZN)	173
CM39315G(ZN/AL)	159	CMMA31003(ZN/AL)	168	CMPN/CMPNW (ZN/AL)	171	CMR324(ZN)	173	JDH47GB(ZN/AL)	182
CMMZC406(ZN/AL/MG)	159	CMMA41004(ZN/AL)	168					CMR037536(ZN)	173
CMZHC06GB(ZN/AL)	159	CABLE ANODES		CMPO/CMPOW (ZN/AL)	171	CMR0536(ZN)	173	JDH21GB(ZN/AL)	183
CMZC7(ZN/AL)	159	CMTYPE3(ZN/AL)	168					CMR062539(ZN)	173
CMMGJRG(MG)	160	CONDENSER ANODES		CMPPP/CMPPW (ZN/AL)	171	CMR07539(ZN)	173	JDS9EG(ZN/AL)	183
CM DIVER(ZN/AL/MG)	160	CMC6C50B(ZN/AL)	168					CMR087539(ZN)	173

JDH26G(ZN/AL)	183	JDT13G(ZN/AL)	191
JDH36G(AL)	183	JDGBZT01(ZN/AL)	191
JDH60G(ZN/AL)	184	JDT12G(ZN/AL)	191
JDDM121G(ZN/AL)	184	JD237(ZN/AL)	192
JDDM121GB(ZN/AL)	184	JDT3G(ZN/AL)	192
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JDH45GB(ZN/AL)	184	JDI17G(ZN/AL)	192
JDZD140G(ZN/AL)	184	JDT14G(ZN/AL)	192
JDH23B(ZN/AL)	185	JDT11G(ZN/AL)	192
JDH11G(ZN)	185	JDT14GF(ZN/AL)	193
JDGBZH01(ZN/AL)	185	JDT15G(ZN/AL)	193
JDH5G(ZN/AL)	185	JDT16G(ZN/AL)	193
JDDM155(ZN/AL)	185	JDT19G(ZN/AL)	193
JDZD170G(ZN/AL)	185	JDT22G(ZN/AL)	193
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JDH15G(ZN/AL)	186	HEAT EXCHANGER ANODES	
JDH37S(ZN/AL)	186		
JDH25S(ZN/AL)	186	JDROD69D(ZN)	194
JDH54GB(ZN/AL)	186	JDROD100D(ZN)	194
JDH35G(ZN/AL)	186	ROD STOCK ANODES	
JDH40SB(ZN/AL)	187		
JDDM217(ZN/AL)	187	JDROD25(ZN/AL)	194
JDH17G(ZN/AL)	187	JDROD30(ZN/AL)	194
JDH4G(ZN/AL)	187	JDROD40(ZN/AL)	194
JDH59GB(ZN/AL)	187	JDROD45(ZN/AL)	194
JDMA3305S(ZN/AL)	187	JDROD50(ZN/AL)	194
JDH34G(ZN/AL)	188	JDROD55(ZN/AL)	194
JDDM105G(ZN/AL)	188	JDROD60(ZN/AL)	194
JDH24GB(ZN/AL)	188	JDROD65(ZN/AL)	194
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JDH22GB(ZN/AL)	188	JDROD75(ZN/AL)	194
JDE2G(ZN/AL)	188	JDROD80(ZN/AL)	194
JD485G(ZN/AL)	189	JDROD85(ZN/AL)	194
JDH27G(ZN/AL)	189	JDROD90(ZN/AL)	194
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SGSH506(ZN/AL/MG)	190	JDROD110(ZN/AL)	195
SGSH507(ZN/AL/MG)	190	JDROD115(ZN/AL)	195
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SGSH509(ZN/AL/MG)	190		
SGSH510(ZN/AL/MG)	190		
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SGSH25(ZN/AL/MG)	190		
BALLAST TANK ANODES			
JDZT8G(ZN/AL)	191		
JDT9G(ZN/AL)	191		
JDI13G(ZN/AL)	191		

MARKETING TOOLS

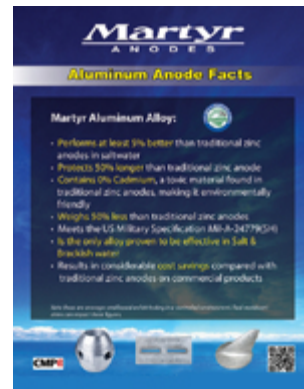
PID	Description
CM3FOLBROE	Martyr "Cadmium free" tri-fold brochure
CM3ALLCARD	Martyr "3 alloy" card
CMALUFACFLY	Martyr "Why aluminum" flyer
CMANOLOCPOS	Martyr "Anode location" poster
CMMOLPOS	Martyr "Molly girl" poster
CMFREWATPOS	Martyr "Freshwater anodes" poster
CMMARWINSTI	Martyr removable window sticker



CMANOLOCPOS



CM3FOLBROE



CMALUFACFLY



CMMOLPOS



CMFREWATPOS



CM3ALLCARD



CMMARWINSTI

Martyr

The world's premium marine anode



PERFORMANCE - MARTYR I & MARTYR II ANODES:

<i>SPECIFICATIONS</i>	<i>MARTYR I ZINC ANODES</i>	<i>MARTYR II ALUMINUM ANODES</i>
CAPACITY, ampere-hours/lb (kg)	355(782)	1225(2695)
EFFICIENCY (test)	95%	94%
CONSUMPTION, lb(kg)/ampere-year	24.68(11.2)	7.15(3.25)
POTENTIAL (reference Cu/Cu SO4)	-1050mV	-1100mV

COMPOSITION - MARTYR I & MARTYR II ANODES:

<i>COMPOSITION</i>	<i>U.S. Military Specification* MIL-DTL-18001L Martyr I Zinc Alloy</i>	<i>U.S. Military Specification* MIL-DTL-24779C(SH) Martyr II Aluminum Alloy</i>
Cadmium	0.025% - 0.07%	-
Copper	0.005% Max.	0.005% Max.
Iron	0.005% Max.	0.08% Max.
Indium	-	0.014% - 0.020%
Lead	0.006% Max.	-
Silicon	-	0.08% - 0.20%
Aluminum	0.1% - 0.5%	Remainder
Zinc**	Remainder	4.0% - 6.5%

* Latest Revision ** Martyr anodes have a zinc purity 99.995%

COMPARISON BETWEEN MARTYR I & MARTYR II ANODES:

MARTYR I (ZINC ANODES):

355 Ampere hours per pound / 782 Ampere hours per kilogram: this means a Zinc anode will give one amp for 355 hours for every pound of Zinc

Take a typical CMZ03BZ (weight=4.68 kg) — total ampere hours 3655

Assuming the anode performs at 0.5 amp, this anode will last for 7310 hours, which is 305 days / 10 months

MARTYR II (ALUMINUM ANODES):

1225 Ampere hours per pound / 2695 Ampere hours per kilogram: this means an Aluminum anode will give one amp for 1225 hours for every pound of Aluminum

Take a typical CMZ03BA (weight = 2.7 kg) — total ampere hours 7277

Assuming the anode performs at 0.5 amp, this anode will last for 14554 hours, which is 606 days / 20 months

THESE ARE JUST SOME OF THE NEW PRODUCTS IN THIS CATALOG*:

AUTOPROP™ PROPELLER ANODES

BRP™ PROPELLER ANODES

FLEXOFOLD™ ANODES

HONDA™ ANODE KITS

HULL ANODES

MERCURY™ ANODES

RP SERIES RUDDER ANODES

SEASALL™ ANODES

SHAFRAN™ ANODES

SUZUKI™ ANODES

VOLVO™ ANODES

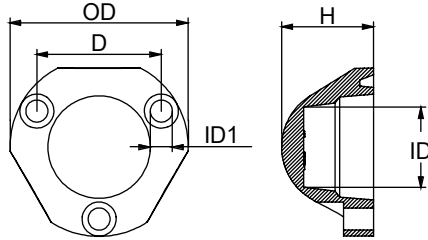
YAMAHA™ ANODES

marked as **NEW throughout the Catalog for your convenience*

AUTOPROP™ PROPELLER ANODES

	PID	LB	KG		OD	H	D	ID	ID1
ZN	CMPNH9Z	1.104	0.501	mm	89	46	62.18	40	11
AL	CMPNH9A	0.423	0.192						
MG	CMPNH9M	2.473	0.122	in	3.50	1.81	2.45	1.57	0.43

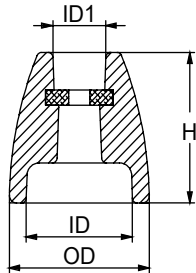
Autoprop 3-Blade Propeller H9



BRP™ (EVINRUDE JOHNSON) PROPELLER ANODES

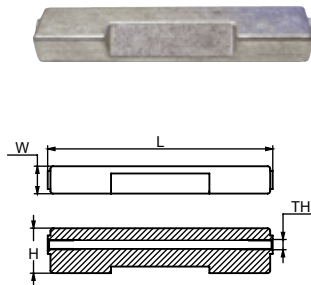
	PID	LB	KG		OD	ID	ID1	H
ZN	CM5009138Z	1.28	0.58	mm	58	8.5	17	60
AL	CM5009138A	0.5	0.23					
MG	CM5009138M	0.33	0.15	in	2.28	0.33	0.67	2.36

BRP Propeller Shaft Anode



	PID	LB	KG		L	W	H	THD
ZN	CM5008813Z	1.83	0.83	mm	174	36	20	5/16-18 UNC
AL	CM5008813A	0.71	0.32					
MG	CM5008813M	0.46	0.21	in	6.86	1.4	0.8	

BRP Stern Bracket Anode



BRP™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMSTRGERKITZ	2.95	1.34	CM983494 X 1 CM393023 X 1 CM431708 X 1	BRP OMC Stringer
AL	CMSTRGERKITA	1.4	0.63		
MG	CMSTRGERKITM	1.07	0.48		

BRP OMC Stringer



	PID	LB	KG	Contains	Fits
ZN	CMCOBRAKITZ	3.69	1.68	CM984513 X 1 CM393023 X 1 CM431708 X 1	BRP OMC COBRA
AL	CMCOBRAKITA	1.65	0.75		
MG	CMCOBRAKITM	1.25	0.57		

BRP OMC COBRA



	PID	LB	KG	Contains	Fits
ZN	CMOMC5075KITZ	2.25	1.02	CM393023 X 1 CM392462 X 1	BRP OMC 50-75HP
AL	CMOMC5075KITA	1.11	0.505		
MG	CMOMC5075KITM	0.89	0.41		

BRP OMC 50-75HP

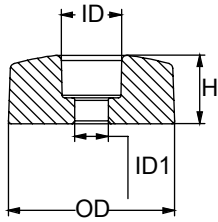
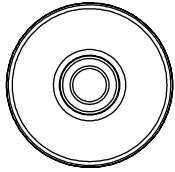


	PID	LB	KG	Contains	Fits
ZN	CMOMCV4V6KITZ	2.45	1.11	CM393023 X 1 CM392123 X 1	BRP OMC V4-V6
AL	CMOMCV4V6KITA	1.17	0.53		
MG	CMOMCV4V6KITM	0.93	0.42		

BRP OMC V4-V6



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



FLEXOFOLD™ ANODES

	PID	LB	KG	OD	H	ID	ID1
ZN	CMPNFF2Z	0.123	0.056	mm	31.7	13.3	11.25
AL	CMPNFF2A	0.046	0.021				
MG	CMPNFF2M	0.030	0.014	in	1.25	0.52	0.44

Flex-O-Fold 2-Blade Propeller Anode

HONDA™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.



	PID	LB	KG	Contains	Fits
ZN	CMHBF75115KITZ	4.27	1.94	CM41107ZW1B01 X1 CM0641ZW1 X1 CM41109ZW1B00 X2	Honda BF75- 90-115
AL	CMHBF75115KITA	1.76	0.8		
MG	CMHBF75115KITM	1.31	0.596		



	PID	LB	KG	Contains	Fits
ZN	CMHBF4050KITZ	2.66	1.21	CM41107ZV500 X 1 CM06411ZV5 X 1 CM41109ZW1003 / CM826134 X 2	Honda BF40-50HP OB-Motor
AL	CMHBF4050KITA	1.17	0.53		
MG	CMHBF4050KITM	0.79	0.36		

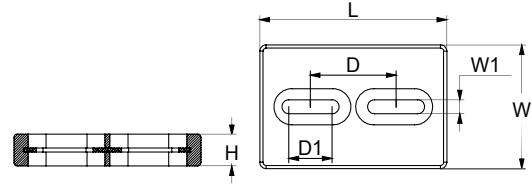


	PID	LB	KG	Contains	Fits
ZN	CMHBF35225KITZ	2.79	1.27	CM41107ZV500 X 1 CM06411ZV5 X 1 CM826134 X 2 CM5532187J00 X 2	Honda BF35-225 Motor
AL	CMHBF35225KITA	1.23	0.56		
MG	CMHBF35225KITM	0.86	0.39		

HULL ANODES

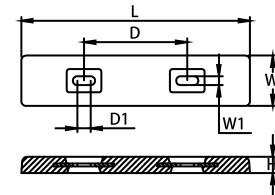
	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMDIVERMINIHZ	4.65	2.11	mm	5.9	3.9	1.0	2.7	1.36	0.44
AL	CMDIVERMINIHA	1.96	0.89							
MG	CMDIVERMINIHM	1.37	0.62	in	19.35	12.79	3.28	8.85	4.46	1.44

Bolt-On DiverMini Heavy Plate



	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMZL18BGZ	18.56	8.42	mm	454	100	32	204.8	26.2	17.5
AL	CMZL18BGA	8.09	3.67							
MG	CMZL18BGM	5.72	2.59	in	17.87	3.93	1.25	8.06	1.03	0.69

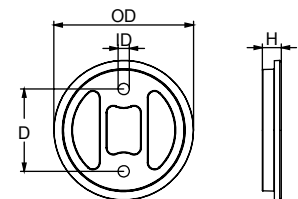
Bolt-On Hull Anode

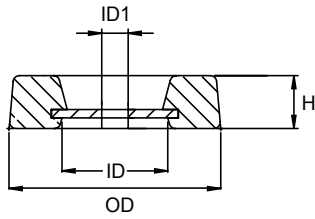


MERCURY MARINE™ ANODES

	PID	LB	KG		OD	ID	H	D
ZN	CM847635001Z	2.223	1.008	mm	129.28	10.41	17.52	76.2
AL	CM847635001A	0.853	0.387					
MG	CM847635001M	0.650	0.295	in	5.09	0.41	0.69	3

Mercury Racing OB Trim

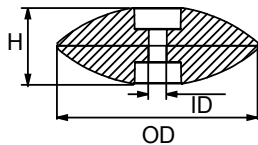




Bolt-On Rudder Plate

RP SERIES RUDDER ANODES

	PID	LB	KG		H	OD	ID	ID1
ZN	CMRP4Z	2.24	1.016	mm	25	100	50	12.5
AL	CMRP4A	1.01	0.457					
MG	CMRP4M	0.72	0.33	in	0.98	3.94	1.96	0.49
ZN	CMRP5Z	4.40	2	mm	25.4	125	28	10
AL	CMRP5A	1.89	0.86					
MG	CMRP5M	1.32	0.6	in	1	4.92	1.10	0.39
ZN	CMRP6SZ	5.85	2.656	mm	25.4	146	32	14.5
AL	CMRP6SA	2.45	1.111					
MG	CMRP6SM	1.67	0.759	in	1	5.75	1.26	0.57
ZN	CMRP6Z	8.82	4	mm	38	146	32	14.5
AL	CMRP6A	3.59	1.627					
MG	CMRP6M	2.39	1.087	in	1.49	5.75	1.26	0.57
ZN	CMRP7Z	7.83	3.55	mm	25	168	40	12
AL	CMRP7A	3.15	1.43					
MG	CMRP7M	2.08	0.946	in	0.98	6.61	1.57	0.47
ZN	CMRP8Z	11.50	5.22	mm	26	197	20	12
AL	CMRP8A	4.56	2.07					
MG	CMRP8M	2.98	1.353	in	1.02	7.75	0.79	0.47
ZN	CMRP9Z	14.92	6.77	mm	25.4	222.3	14	12
AL	CMRP9A	5.87	2.666					
MG	CMRP9M	3.81	1.73	in	1	8.75	0.55	0.47



**Sold as two halves,
assembled with a zip tie**

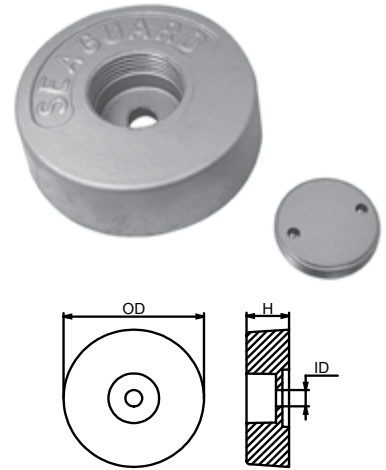
EURO STYLE RUDDER/TRIM TAB ANODES

	PID	LB	KG		H	OD	ID
ZN	CMF50CZ	0.34	0.16	mm	22	50	7
AL	CMF50CA	0.12	0.06	in	0.82	2	0.26
ZN	CMF70CZ	0.80	0.36	mm	26	70	9
AL	CMF70CA	0.28	0.12	in	1.02	2 ¾	0.35
ZN	CMF90CZ	1.82	0.84	mm	34	90	9
AL	CMF90CA	0.64	0.3	in	1.33	3 ½	0.35
ZN	CMF110CZ	2.88	1.3	mm	38	110	11
AL	CMF110CA	1.02	0.3	in	1.5	4 ½	0.42
ZN	CMF125CZ	4.2	1.9	mm	42	125	11
AL	CMF125CA	1.48	0.68	in	1.66	5	0.45
ZN	CMF140CZ	6.52	2.96	mm	52	140	13
AL	CMF140CA	2.3	1.04	in	2	5 ½	0.5

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

ROUND PLATE ANODES

	PID	LB	KG		OD	ID	H
AL	SGBA001A	2.18	0.99	mm	125	15	38
				in	4.92	0.59	1.50
MG	SGBA001M	1.52	0.69	mm	125	15	38
				in	4.92	0.59	1.50
AL	SGBA506A	3.50	1.59	mm	140	16	40
				in	5.5	0.63	1.57
MG	SGBA506M	2.45	1.11	mm	140	16	40
				in	5.5	0.63	1.57



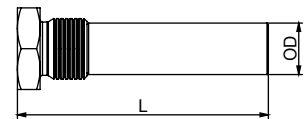
SEASALL ENGINE ANODES | anode only

	PID	LB	KG		L	L1	OD	OD1
ZN	CMHS1760Z	0.231	0.105	mm	70	10	17	14
				in	2.75	0.39	0.67	0.55



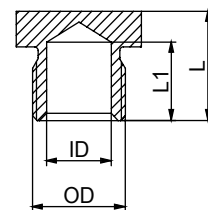
SEASALL ENGINE ANODES | w/plug

	PID	LB	KG		L	OD
ZN	CMHS1760PZ	0.349	0.159	mm	83	17
				in	3.27	0.67

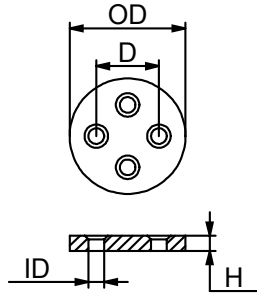


SEASALL ENGINE ANODES | w/brass plug

	PID	LB	KG		ID	OD	L	L1
	CMEPHS1420	0.118	0.054	mm	14	M20 X15	23	16.5
				in	0.55		0.90	0.65



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



SHAFRAN™ ANODES

	PID	LB	KG	OD	D	ID	H	
ZN	CMSH732Z	8.6	3.9	mm	169	150	12	25
				in	6.29	5.90	0.47	0.98

SUZUKI™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.



	PID	LB	KG	Contains	Fits
ZN	CMSZ90140KITZ	1.72	0.78	CM5532190J01 X 1 CM1113094600 X 4 CM3C7602181A0 X 1	Suzuki 90-100-115 -140 HP
AL	CMSZ90140KITA	0.85	0.385		
MG	CMSZ90140KITM	0.59	0.27		



	PID	LB	KG	Contains	Fits
ZN	CMSZ4050KITZ	1.19	0.54	CM5532095310 X 2 CM1113094600 X 4 CM5512595500 X 1	Suzuki 40-50 HP
AL	CMSZ4050KITA	0.86	0.39		
MG	CMSZ4050KITM	0.67	0.30		



YANMAR™ ANODE KITS

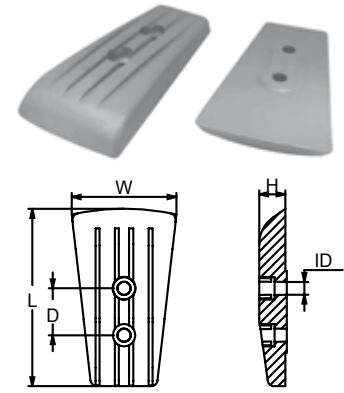
	PID	LB	KG	Contains	Fits
ZN	CM11977392600KITZ	0.88	0.40	CME2Z X 1 CME1FZ X 4	Yanmar 119773- 92600

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

VOLVO PENTA™ ANODES

	PID	LB	KG		L	H	W	D	ID
ZN	CM3589875Z	1.82	0.83	mm	132.3	19.6	78	35	16.6
AL	CM3589875A	0.72	0.33						
MG	CM3589875M	0.50	0.23	in	5.20	0.77	3.07	1.38	0.65

VOLVO PENTA DPR PLATE



VOLVO™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CM290EUKITZ	3.74	1.70	CMV18 X 1 CM852835 X 1 CM872793 X 2	Fits Volvo Penta 290
AL	CM290EUKITA	1.85	0.84		
MG	CM290EUKITM	1.32	0.60		



	PID	LB	KG	Contains	Fits
ZN	CM290DPEUKITZ	2.2	0.54	CM875821 X 1 CM852835 X 1 CM872793 X 1	Fits Volvo Penta 290DP
AL	CM290DPEUKITA	1.67	0.76		
MG	CM290DPEUKITM	1.23	0.56		



	PID	LB	KG	Contains	Fits
ZN	CM3584442KITZ	0.70	0.32	CM3584442D X 3	Volvo 4-Blade Folding Prop
AL	CM3584442KITA	0.46	0.21		
MG	CM3584442KITM	0.40	0.18		



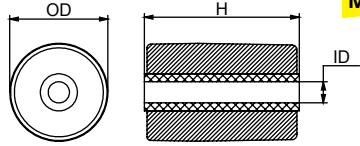
	PID	LB	KG	Contains	Fits
ZN	CMVPIPSKITZ	9.86	4.48	CM3593881 X 1 CM40005875 X 1	VolvoPenta IPS SternDrive
AL	CMVPIPSKITA	4.18	1.90		
MG	CMVPIPSKITM	2.77	1.26		



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

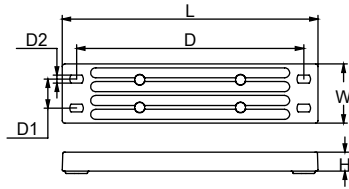
VOLVO™ DPH/DPR EXHAUST AND COOLING WATER PIPE ANODES

	PID	LB	KG	OD	H	ID	
ZN	CM21718129Z	1.018	0.462	mm	38.9	61.5	8.3
AL	CM21718129A	0.465	0.211				
MG	CM21718129M	0.339	0.154	in	1.53	2.42	0.33



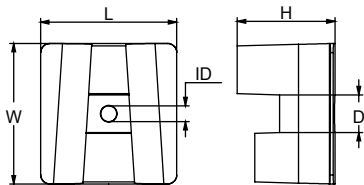
YAMAHA™ ENGINE ANODES

	PID	LB	KG	L	W	H	D	D1	D2	
ZN	CM6AW4525100Z	1.46	0.663	mm	203	47	15	180.35	23	7.4
AL	CM6AW4525100A	0.56	0.254							
MG	CM6AW4525100M	0.35	0.161	in	7.99	1.85	0.59	7.1	0.90	0.29



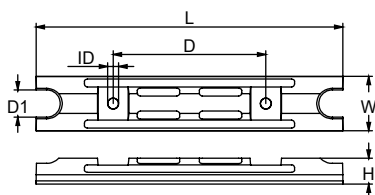
Yamaha OB Engine Anode 6AW-45251-00

	PID	LB	KG	L	W	H	ID	D	
ZN	CM6AW4537300Z	2.42	1.097	mm	90	93	35.5	11	25
AL	CM6AW4537300A	0.93	0.421						
MG	CM6AW4537300M	0.59	0.267	in	3.54	3.66	1.39	0.43	0.98



YAMAHA 300 - 350 HP

	PID	LB	KG	L	W	H	ID	D	D1	
ZN	CM6H14525102Z	1.08	0.494	mm	203	36	17	7	101	18
AL	CM6H14525102A	0.43	0.195							
MG	CM6H14525102M	0.27	0.122	in	7.99	1.42	0.67	0.27	3.97	0.71



Yamaha OB Engine Anode 6H1-45251-02

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA MARINER™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMY6090KITZ	2.429	1.102	CM6884537102 X 1 CM6H14525102 X 1	Yamaha 60-90HP
AL	CMY6090KITA	1.16	0.525		
MG	CMY6090KITM	0.873	0.396		



	PID	LB	KG	Contains	Fits
ZN	CMY4060KITZ	1.79	0.81	CM65W4525100 X 3 CM67C4525100 X 1 CM67C4537100 X 1	Yamaha 4T 40-60 HP
AL	CMY4060KITA	0.92	0.42		
MG	CMY4060KITM	0.74	0.34		



	PID	LB	KG	Contains	Fits
ZN	CMY4050KITZ	2.49	1.13	CM6644537101 X 1 CM65W4525100 X 1 CM63D4525101 X 1 CM67C4525100 X 1 CM6881132500 X 1	Yamaha 40-50HP
AL	CMY4050KITA	1.08	0.49		
MG	CMY4050KITM	0.75	0.34		



	PID	LB	KG	Contains	Fits
ZN	CMY80100KITZ	2.27	1.03	CM6H14525102 X 1 CM67F4537100 X 1 CM67F1132500 X 1	Yamaha 80-100HP
AL	CMY80100KITA	0.99	0.45		
MG	CMY80100KITM	0.68	0.31		



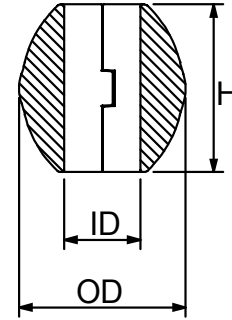
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

PLEASURECRAFT

SHAFT & RUDDER ANODES

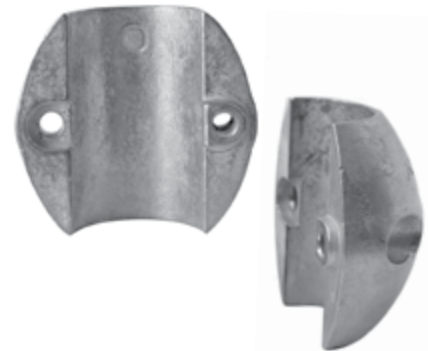
STREAMLINED SHAFT ANODES | IMPERIAL

	PID	LB	KG		H	OD	ID
ZN	CMX00	0.51	0.23	mm	50	42	12
AL	CMX00A	0.18	0.08				
MG	CMX00M	0.15	0.07	in	1.95	1.64	0.5
ZN	CMX01	0.80	0.36	mm	51	52	19
AL	CMX01AL	0.28	0.13				
MG	CMX01M	0.18	0.08	in	2	2.04	0.75
ZN	CMX018125	0.75	0.34	mm	50.8	51.8	20.57
AL	CMX018125AL	0.31	0.14				
MG	CMX01825M	0.20	0.09	in	2	2.04	0.81
ZN	CMX02	0.90	0.41	mm	53	54	22
AL	CMX02AL	0.32	0.15				
MG	CMX02M	0.22	0.10	in	2.08	2.12	0.87
ZN	CMX03	0.92	0.42	mm	55	55	25
AL	CMX03AL	0.34	0.15				
MG	CMX03M	0.22	0.10	in	2.15	2.16	1
ZN	CMX04	1.14	0.52	mm	57	60	29
AL	CMX04AL	0.40	0.18				
MG	CMX04M	0.28	0.13	in	2.25	2.36	1.12
ZN	CMX05	1.17	0.53	mm	60	61	32
AL	CMX05AL	0.44	0.20				
MG	CMX05M	0.28	0.13	in	2.35	2.42	1.25
ZN	CMX05A	1.75	0.79	mm	62	68	32
AL	CMX05AAL	0.71	0.32				
MG	CMX05AM	0.47	0.21	in	2.45	2.68	1.25
ZN	CMX06	1.48	0.67	mm	60	67	35
AL	CMX06AL	0.56	0.25				
MG	CMX06M	0.36	0.16	in	2.35	2.66	1.37
ZN	CMX0625	0.70	0.32	mm	50.8	48.76	15.75
AL	CMX0625AL	0.28	0.13				
MG	CMX0625M	0.17	0.08	in	2	1.92	0.62
ZN	CMX07	1.68	0.76	mm	63	70	38
AL	CMX07AL	0.64	0.29				
MG	CMX07M	0.42	0.19	in	2.5	2.78	1.5
ZN	CMX08	2.48	1.13	mm	73	82	44
AL	CMX08AL	0.88	0.40				
MG	CMX08M	0.60	0.27	in	2.75	3.25	1.75



**THE WORLD'S BEST
SHAFT ANODE
DESIGN:**

**FIT & LONGEVITY
EASY INSTALLATION
UNDERWATER: BOLT
RETAINING WASHERS
PREVENT THE ANODE
FROM FALLING OFF**



**CHOOSE FROM TWO
STAINLESS STEEL
HARDWARE OPTIONS:**



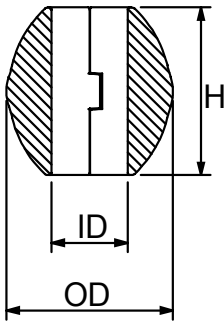
Allen head w/lock washer
& bolt retaining washer



Slotted head w/lock washer
& bolt retaining washer

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

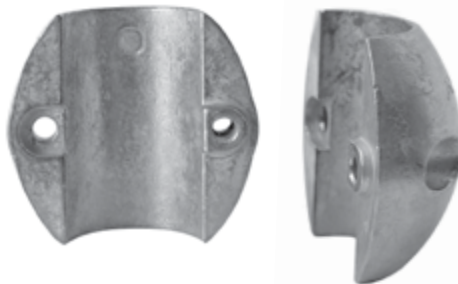
STREAMLINED SHAFT ANODES | IMPERIAL



**THE WORLD'S BEST
SHAFT ANODE
DESIGN:**

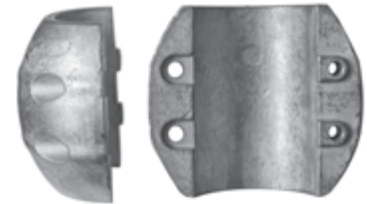
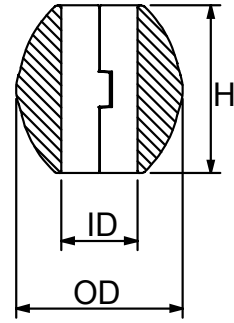
- **FIT & LONGEVITY**
- **EASY INSTALLATION UNDERWATER: BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF**

	PID	LB	KG		H	OD	ID
ZN	CMX09	3.10	1.41	mm	73	82	51
AL	CMX09AL	1.10	0.50				
MG	CMX09M	0.80	0.36	in	2.9	3.6	2
ZN	CMX10	6.08	2.76	mm	95	106	57
AL	CMX10AL	2.16	0.98				
MG	CMX10M	1.57	0.71	in	3.75	4.25	2.25
ZN	CMX11	5.18	2.35	mm	95	106	63
AL	CMX11AL	1.84	0.83				
MG	CMX11M	1.34	0.61	in	3.75	4.25	2.5
ZN	CMX12	7.53	3.42	mm	92	120	70
AL	CMX12AL	2.67	1.21				
MG	CMX12M	1.94	0.88	in	3.62	4.87	2.75
ZN	CMX13	6.54	2.97	mm	92	120	76
AL	CMX13AL	2.32	1.05				
MG	CMX13M	1.69	0.77	in	3.62	4.87	3
ZN	CMX14Z	7.78	3.54	mm	108	122	83
AL	CMX14A	3.02	1.37				
MG	CMX14M	1.88	0.86	in	4.25	4.8	3.25
ZN	CMX15	9.03	4.10	mm	96	145	89
AL	CMX15AL	3.20	1.45				
MG	CMX15M	2.33	1.06	in	3.78	5.7	3.5
ZN	CMX17	9.20	4.20	mm	89	152	101
AL	CMX17AL	3.26	1.48				
MG	CMX17M	2.37	1.08	in	3.5	6	4
ZN	CMX18	9.00	4.00	mm	89	159	114
AL	CMX18AL	3.19	1.45				
MG	CMX18M	2.32	1.05	in	3.5	6.25	4.5



STREAMLINED SHAFT ANODES | IMPERIAL

	PID	LB	KG		H	OD	ID
ZN	CMX19	9.80	4.44	mm	89	171	127
AL	CMX19AL	3.83	1.74				
MG	CMX19M	2.44	1.12	in	3.5	6.75	5
ZN	CMX20	11.00	5.00	mm	89	185	140
AL	CMX20AL	3.90	1.77				
MG	CMX20M	2.84	1.29	in	3.5	7.3	5.5
ZN	CMX21	12.00	5.44	mm	89	198	152
AL	CMX21AL	4.26	1.93				
MG	CMX21M	3.10	1.40	in	3.5	7.8	6



STREAMLINED SHAFT ANODES | METRIC

	PID	LB	KG		H	OD	ID
ZN	CMXM20Z	0.73	0.33	mm	48	51.2	20
AL	CMXM20A	0.28	0.13				
MG	CMXM20M	0.20	0.09	in	1.89	2.01	0.79
ZN	CMX22Z	0.68	0.31	mm	48	51.2	22
AL	CMX22A	0.28	0.13				
MG	CMX22M	0.17	0.08	in	1.89	2.01	0.86
ZN	CMX25	1.08	0.49	mm	55	56	25
AL	CMX25AL	0.38	0.17				
MG	CMX25M	0.29	0.13	in	2.17	2.20	1
ZN	CMX28	1.28	0.58	mm	56	61	28
AL	CMX28AL	0.51	0.23				
MG	CMX28M	0.33	0.15	in	2.20	2.40	1.10
ZN	CMX30	1.21	0.55	mm	61	61	30
AL	CMX30AL	0.43	0.19				
MG	CMX30M	0.31	0.14	in	2.40	2.40	1.18
ZN	CMX34	1.73	0.79	mm	65	66	34
AL	CMX34AL	0.68	0.31				
MG	CMX34M	0.44	0.20	in	2.60	2.56	1.34
ZN	CMX35	1.52	0.69	mm	65	66	35
AL	CMX35A	0.54	0.24				
MG	CMX35M	0.39	0.18	in	2.62	2.62	1.38
ZN	CMX40	2.64	1.20	mm	73	82	40
AL	CMX40AL	0.94	0.43				
MG	CMX40M	0.68	0.31	in	2.87	3.25	1.57

FULL SHAFT CONTACT: 100% CIRCULAR RADIUS

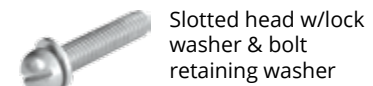
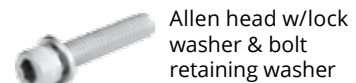
INTERLOCKING HALVES

EXTRA ALLOY AROUND FASTENER

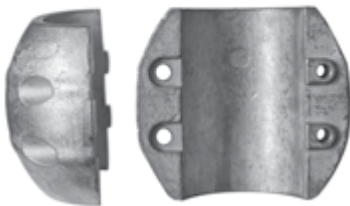
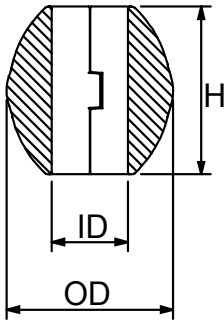
CHOOSE FROM TWO

STAINLESS STEEL

HARDWARE OPTIONS:



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

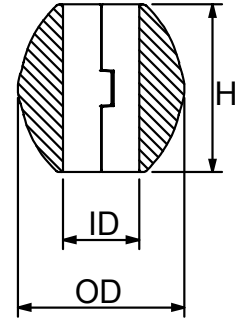


STREAMLINED SHAFT ANODES | METRIC

	PID	LB	KG		H	OD	ID
ZN	CMX45	2.51	1.14	mm	73	82	45
AL	CMX45AL	0.89	0.40				
MG	CMX45M	0.65	0.29	in	2.87	3.25	1.77
ZN	CMX50	2.09	0.95	mm	73	82	50
AL	CMX50AL	0.74	0.34				
MG	CMX50M	0.54	0.24	in	2.87	3.25	2
ZN	CMX55	6.39	2.90	mm	90	105	55
AL	CMX55AL	2.27	1.03				
MG	CMX55M	1.65	0.75	in	3.54	4.13	2.17
ZN	CMX60	5.70	2.59	mm	90	110	60
AL	CMX60A	2.02	0.92				
MG	CMX60M	1.47	0.67	in	3.54	4.33	2.36
ZN	CMX65	8.11	3.68	mm	90	120	65
AL	CMX65A	2.88	1.03				
MG	CMX65M	2.09	0.91	in	3.54	4.72	2.56
ZN	CMX70	8.02	3.64	mm	100	128	70
AL	CMX70A	2.85	1.29				
MG	CMX70M	2.01	0.91	in	3.94	5.04	2.76
ZN	CMX75	8.30	3.77	mm	100	125	75
AL	CMX75A	2.95	1.34				
MG	CMX75M	2.14	0.97	in	3.94	4.92	2.95
ZN	CMX80	8.59	3.90	mm	100	130	80
AL	CMX80A	3.05	1.38				
MG	CMX80M	2.22	1.00	in	3.94	5.12	3.15
ZN	CMX85Z	6.70	3.04	mm	106	122	85
AL	CMX85A	2.66	1.21				
MG	CMX85M	1.74	0.79	in	4.17	4.80	3.34
ZN	CMX90	10.84	4.92	mm	110	144	90
AL	CMX90A	4.32	1.96				
MG	CMX90M	2.84	1.29	in	4.33	5.67	3.54
ZN	CMX95Z	9.70	4.40	mm	110	144	95
AL	CMX95A	3.88	1.76				
MG	CMX95M	2.56	1.16	in	4.33	5.67	3.74

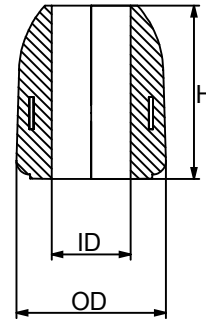
STREAMLINED SHAFT ANODES | METRIC

	PID	LB	KG		H	OD	ID
ZN	CMX100	11.3	5.12	mm	100	150	100
AL	CMX100AL	4.47	2.03				
MG	CMX100M	2.92	1.32	in	3.94	5.83	3.93
ZN	CMX110	28.79	13.06	mm	160	180	110
AL	CMX110A	11.15	5.06				
MG	CMX110M	7.14	3.24	in	6.30	7.09	4.33
ZN	CMX115Z	27.47	12.46	mm	160	180	115
AL	CMX115A	10.67	4.84				
MG	CMX115M	6.83	3.10	in	6.30	7.09	4.53
ZN	CMX120Z	25.35	11.50	mm	160	180	120
AL	CMX120A	9.83	4.46				
MG	CMX120M	6.30	2.86	in	6.30	7.09	4.72
ZN	CMX123Z	23.94	10.86	mm	160	180	123
AL	CMX123A	9.30	4.22				
MG	CMX123M	5.99	2.72	in	6.30	7.09	4.84
ZN	CMX125Z	21.82	9.90	mm	160	180	125
AL	CMX125A	8.42	3.82				
MG	CMX125M	5.47	2.48	in	6.30	7.09	4.92

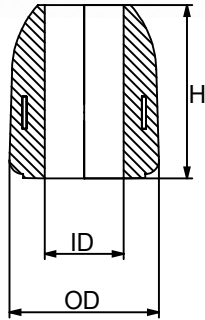


CLAMP SHAFT ANODES | IMPERIAL

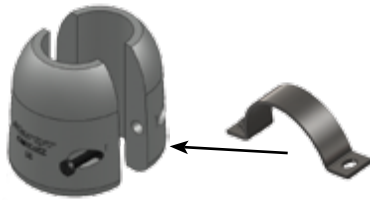
	PID	LB	KG		H	OD	ID
ZN	CMXC01Z	1.66	0.76	mm	65	56	19
AL	CMXC01A	0.65	0.29				
MG	CMXC01M	0.42	0.19	in	2.54	2.19	0.75
ZN	CMXC02Z	1.57	0.71	mm	65	56	22
AL	CMXC02A	0.62	0.28				
MG	CMXC02M	0.39	0.18	in	2.54	2.19	0.87
ZN	CMXC03Z	1.46	0.66	mm	65	56	25
AL	CMXC03A	0.57	0.26				
MG	CMXC03M	0.35	0.16	in	2.54	2.19	1
ZN	CMXC04Z	1.35	0.61	mm	65	56	29
AL	CMXC04A	0.53	0.24				
MG	CMXC04M	0.34	0.15	in	2.54	2.19	1.12
ZN	CMXC05Z	2.67	1.21	mm	78	70	32
AL	CMXC05A	1.05	0.48				
MG	CMXC05M	0.67	0.30	in	3.05	2.7	1.25



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



Comes with slotted head w/ lock washer & bolt retaining washer.



INTERNAL STEEL CLAMP INSERT HOLDS THE ANODE COMPLETELY TIGHT TO THE SHAFT



ENGINEERED TO ENSURE COMPLETE SHAFT CONTACT:

- **CLAMP INSERT ENSURES TIGHT FIT TO SHAFT FOR DURATION OF LIFE**
- **STAINLESS STEEL HARDWARE AND LOCK WASHERS INCLUDED**
- **BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF - EASY INSTALLATION UNDERWATER**



CLAMP SHAFT ANODES | IMPERIAL

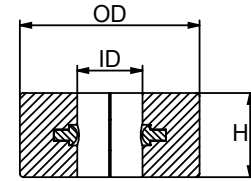
	PID	LB	KG		H	OD	ID
ZN	CMXC06Z	2.50	1.13	mm	78	70	35
AL	CMXC06A	0.98	0.44				
MG	CMXC06M	0.63	0.29	in	3.05	2.7	1.37
ZN	CMXC07Z	2.30	1.04	mm	78	70	38
AL	CMXC07A	0.90	0.41				
MG	CMXC07M	0.56	0.25	in	3.05	2.7	1.5
ZN	CMXC08Z	5.25	2.39	mm	100	85	45
AL	CMXC08A	2.06	0.93				
MG	CMXC08M	1.31	0.59	in	3.92	3.33	1.75
ZN	CMXC09Z	4.60	2.09	mm	100	85	51
AL	CMXC09A	1.80	0.82				
MG	CMXC09M	1.15	0.52	in	3.92	3.33	2

CLAMP SHAFT ANODES | METRIC

	PID	LB	KG		H	OD	ID
ZN	CMXC25Z	1.50	0.67	mm	65	56	25
AL	CMXC25A	0.59	0.27				
MG	CMXC25M	0.38	0.17	in	2.5	2.2	1
ZN	CMXC30Z	1.30	0.59	mm	65	56	30
AL	CMXC30A	0.51	0.23				
MG	CMXC30M	0.33	0.15	in	2.5	2.2	1.19
ZN	CMXC35Z	2.50	1.13	mm	78	69	35
AL	CMXC35A	0.98	0.44				
MG	CMXC35M	0.63	0.29	in	3	2.74	1.37
ZN	CMXC40Z	2.16	0.98	mm	78	69	40
AL	CMXC40A	0.85	0.39				
MG	CMXC40M	0.54	0.24	in	3	2.74	1.58
ZN	CMXC45Z	5.20	2.36	mm	100	85	45
AL	CMXC45A	2.04	0.93				
MG	CMXC45M	0.19	0.09	in	4	3.33	1.75
ZN	CMXC50Z	4.70	2.13	mm	100	85	50
AL	CMXC50A	1.84	0.83				
MG	CMXC50M	1.18	0.54	in	4	3.33	2
ZN	CMXC60Z	3.48	1.58	mm	100	85	60
AL	CMXC60A	1.36	0.62				
MG	CMXC60M	0.87	0.39	in	4	3.33	2.33
ZN	CMXC70Z	6.43	2.92	mm	96	113	70
AL	CMXC70A	2.57	1.17				
MG	CMXC70M	1.61	0.73	in	3.75	4.43	2.75

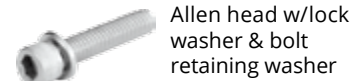
LIMITED CLEARANCE SHAFT ANODES | IMPERIAL

	PID	LB	KG		H	OD	ID
ZN	CMC01	0.66	0.3	mm	25	54	19
AL	CMC01AL	0.26	0.12				
MG	CMC01M	0.21	0.10	in	1	2.12	0.75
ZN	CMC02	0.64	0.29	mm	25	54	22
AL	CMC02AL	0.25	0.11				
MG	CMC02M	0.20	0.09	in	1	2.12	0.87
ZN	CMC03	1.21	0.55	mm	32	63	25
AL	CMC03AL	0.47	0.21				
MG	CMC03M	0.38	0.17	in	1.25	2.5	1
ZN	CMC04	1.10	0.50	mm	32	63	28
AL	CMC04AL	0.43	0.20				
MG	CMC04M	0.35	0.16	in	1.25	2.5	1.12
ZN	CMC05	1.15	0.52	mm	32	63	32
AL	CMC05AL	0.45	0.21				
MG	CMC05M	0.35	0.16	in	1.25	2.5	1.25
ZN	CMC06	1.61	0.73	mm	32	76	35
AL	CMC06AL	0.63	0.29				
MG	CMC06M	0.52	0.24	in	1.25	3	1.37
ZN	CMC07	1.48	0.67	mm	32	76	38
AL	CMC07AL	0.58	0.26				
MG	CMC07M	0.48	0.22	in	1.25	3	1.5
ZN	CMC08	2.27	1.03	mm	35	89	44
AL	CMC08AL	0.89	0.40				
MG	CMC08M	0.73	0.33	in	1.37	3.5	1.75
ZN	CMC09	2.08	0.95	mm	35	89	51
AL	CMC09AL	0.82	0.37				
MG	CMC09M	0.67	0.30	in	1.37	3.5	2
ZN	CMC09A	1.76	0.80	mm	35	89	57
AL	CMC09AAL	0.69	0.31				
MG	CMC09AM	0.57	0.26	in	1.37	3.5	2.25
ZN	CMC12	5.40	2.45	mm	38	127	63
AL	CMC12AL	2.12	0.96				
MG	CMC12M	1.74	0.79	in	1.5	5	2.5
ZN	CMC12A	5.18	2.35	mm	38	127	70
AL	CMC12AAL	2.03	0.92				
MG	CMC12AM	1.67	0.76	in	1.5	5	2.75
ZN	CMC13	4.85	2.2	mm	38	127	76
AL	CMC13AL	1.90	0.86				
MG	CMC13M	1.57	0.71	in	1.5	5	3
ZN	CMC14	5.66	2.57	mm	38	165	89
AL	CMC14AL	2.22	1.00				
MG	CMC14M	1.83	0.83	in	1.5	6.5	3.5



EASY INSTALLATION UNDER-WATER: BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF

CHOOSE FROM TWO OF OUR STAINLESS STEEL HARDWARE OPTIONS:



Allen head w/lock washer & bolt retaining washer



Slotted head w/lock washer & bolt retaining washer

FULL SHAFT CONTACT: 100% CIRCULAR RADIUS

INTERLOCKING HALVES

EXTRA ALLOY AROUND FASTENER



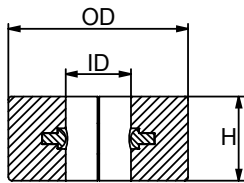
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

LIMITED CLEARANCE SHAFT ANODES | IMPERIAL

	PID	LB	KG	H	OD	ID	
ZN	CMC15	8.00	3.63	mm	38	165	101
AL	CMC15AL	3.14	1.42				
MG	CMC15M	2.58	1.17	in	1.5	6.5	4

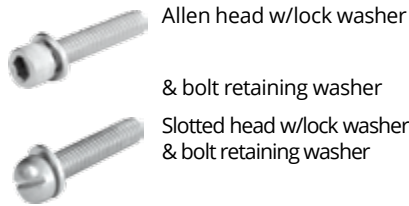
LIMITED CLEARANCE SHAFT ANODES | METRIC

	PID	LB	KG	H	OD	ID	
ZN	CMC20	6.96	3.16	mm	25	54	20
AL	CMC20AL	2.73	1.24				
MG	CMC20M	2.25	1.02	in	1	2.12	0.75
ZN	CMC25	0.68	0.31	mm	32	63	25
AL	CMC25AL	0.27	0.12				
MG	CMC25M	0.22	0.10	in	1.25	2.5	1
ZN	CMC30	1.08	0.49	mm	32	63	30
AL	CMC30AL	0.42	0.19				
MG	CMC30M	0.35	0.16	in	1.25	2.5	1.18
ZN	CMC35	1.21	0.55	mm	32	76	35
AL	CMC35AL	0.47	0.21				
MG	CMC35M	0.39	0.18	in	1.25	3	1.38
ZN	CMC40	1.52	0.69	mm	32	76	40
AL	CMC40AL	0.60	0.27				
MG	CMC40M	0.49	0.22	in	1.25	3	1.57
ZN	CMC45	2.69	1.22	mm	35	89	45
AL	CMC45A	1.05	0.48				
MG	CMC45M	0.87	0.39	in	1.37	3.5	1.77
ZN	CMC50	2.69	1.22	mm	35	89	50
AL	CMC50A	1.05	0.48				
MG	CMC50M	0.87	0.39	in	1.37	3.5	2
ZN	CMC55Z	3.12	1.42	mm	29	114	55
AL	CMC55A	1.23	0.56				
MG	CMC55M	0.81	0.37	in	1.14	4.49	2.17
ZN	CMC60	3.22	1.46	mm	29	120	60
AL	CMC60A	1.26	0.57				
MG	CMC60M	1.04	0.47	in	1.14	4.72	2.36
ZN	CMC65Z	3.43	1.56	mm	29	125	65
AL	CMC65A	1.36	0.62				
MG	CMC65M	0.90	0.41	in	1.14	4.92	2.56
ZN	CMC70	3.66	1.66	mm	29	130	70
AL	CMC70A	1.44	0.65				
MG	CMC70M	1.18	0.54	in	1.14	5.12	2.76
ZN	CMC75	3.83	1.74	mm	29	135	75
AL	CMC75A	1.50	0.68				
MG	CMC75M	1.24	0.56	in	1.14	5.31	2.95



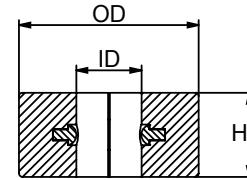
EASY INSTALLATION UNDER-WATER: BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF

CHOOSE FROM TWO OF OUR STAINLESS STEEL HARDWARE OPTIONS:



LIMITED CLEARANCE SHAFT ANODES | METRIC

	PID	LB	KG		H	OD	ID
ZN	CMC80	3.99	1.81	mm	29	140	80
AL	CMC80A	1.56	0.71				
MG	CMC80M	1.29	0.59	in	1.14	5.51	3.15
ZN	CMC85Z	6.12	2.78	mm	32	153	85
AL	CMC85A	2.40	1.09				
MG	CMC85M	1.56	0.71	in	1.25	6	3.35
ZN	CMC90	8.81	4.00	mm	40	170	90
AL	CMC90A	3.45	1.56				
MG	CMC90M	2.85	1.29	in	1.57	6.69	3.54
ZN	CMC95Z	8.27	3.76	mm	40	170	95
AL	CMC95A	3.24	1.47				
MG	CMC95M	2.10	0.95	in	1.57	6.69	3.74
ZN	CMC100	9.47	4.30	mm	40	180	100
AL	CMC100A	3.71	1.68				
MG	CMC100M	3.06	1.39	in	1.57	7.09	3.94
ZN	CMC120	14.32	6.50	mm	40	220	120
AL	CMC120A	5.62	2.55				
MG	CMC120M	4.63	2.10	in	1.57	8.66	4.72

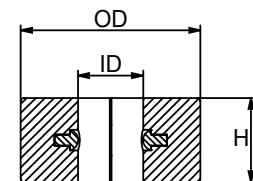
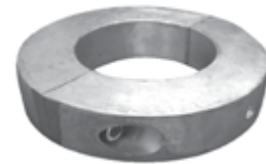


EURO STYLE LIMITED CLEARANCE SHAFT ANODES

	PID	LB	KG		H	OD	ID
ZN	CMC22EURO	0.49	0.22	mm	15.5	60	22
AL	CMC22EUROA	0.19	0.08				
MG	CMC22EUROM	0.12	0.05	in	0.6	2.36	0.87
ZN	CMC25EURO	0.49	0.22	mm	15.5	60	25
AL	CMC25EUROA	0.19	0.08				
MG	CMC25EUROM	0.12	0.05	in	0.6	2.36	1
ZN	CMC30EURO	0.49	0.22	mm	15.5	60	30
AL	CMC30EUROA	0.19	0.08				
MG	CMC30EUROM	0.12	0.05	in	0.6	2.36	1.12
ZN	CMC35EURO	0.79	0.36	mm	18	74	35
AL	CMC35EUROA	0.31	0.14				
MG	CMC35EUROM	0.20	0.09	in	0.7	3	1.37
ZN	CMC40EURO	0.70	0.32	mm	18	74	40
AL	CMC40EUROA	0.27	0.12				
MG	CMC40EUROM	0.18	0.08	in	0.7	3	1.5
ZN	CMC45EURO	0.82	0.37	mm	18	82	45
AL	CMC45EUROA	0.32	0.15				
MG	CMC45EUROM	0.20	0.09	in	0.7	3.25	1.75
ZN	CMC50EURO	0.70	0.32	mm	18	82	50
AL	CMC50EUROA	0.27	0.12				
MG	CMC50EUROM	0.18	0.08	in	0.7	3.25	2.2

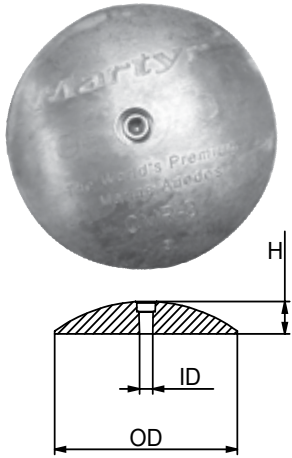
THIN EURO STYLE COLLAR ANODES:

EASY INSTALLATION UNDERWATER: BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF



Comes with allen head bolt w/lock washer & bolt retaining washer

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

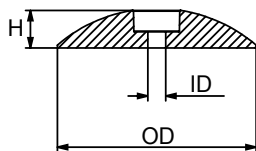


RUDDER ANODES ARE SOLD IN PAIRS, WITH STAINLESS STEEL BOLT AND NUT

EASY INSTALLATION UNDER-WATER: BOLT RETAINING WASHERS PREVENT THE ANODE FROM FALLING OFF



SOLD IN SINGLE HALF ONLY



RUDDER/TRIM TAB ANODES

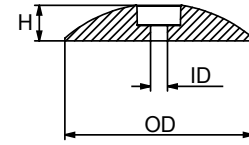
	PID	LB	KG		H	OD	ID
ZN	CMR01	0.28	0.13	mm	6	47	5
AL	CMR01AL	0.10	0.05				
MG	CMR01M	0.07	0.03	in	0.35	1.87	0.2
ZN	CMR02	0.94	0.43	mm	12	71	7
AL	CMR02AL	0.34	0.16				
MG	CMR02M	0.23	0.10	in	0.5	2.81	0.28
ZN	CMR03	1.60	0.73	mm	12	95	9
AL	CMR03AL	0.56	0.37				
MG	CMR03M	0.39	0.18	in	0.5	3.75	0.34
ZN	CMR04	3.21	1.46	mm	16	127	9
AL	CMR04AL	1.13	0.51				
MG	CMR04M	0.78	0.36	in	0.65	5	0.34
ZN	CMR05	4.70	2.14	mm	22	130	9
AL	CMR05AL	1.65	0.75				
MG	CMR05M	1.14	0.52	in	0.87	5.12	0.37
ZN	CMR07	9.35	4.25	mm	22	175	8
AL	CMR07AL	3.64	1.66				
MG	CMR07M	2.48	1.13	in	0.87	6.87	0.32

EURO STYLE RUDDER/TRIM TAB ANODES

	PID	LB	KG		H	OD	ID
ZN	CMF50Z	0.17	0.08	mm	11	50	7
AL	CMF50A	0.06	0.03				
MG	CMF50M	0.04	0.02	in	0.41	2	0.26
ZN	CMF70Z	0.40	0.18	mm	13	70	9
AL	CMF70A	0.14	0.06				
MG	CMF70M	0.09	0.04	in	0.5	2.75	0.35
ZN	CMF90Z	0.91	0.42	mm	17	90	9
AL	CMF90A	0.32	0.15				
MG	CMF90M	0.21	0.10	in	0.66	3.5	0.35
ZN	CMF110Z	1.44	0.65	mm	19	110	11
AL	CMF110A	0.51	0.23				
MG	CMF110M	0.34	0.15	in	0.75	4.33	0.42
ZN	CMF120Z	1.87	0.85	mm	20	120	11
AL	CMF120A	0.66	0.30				
MG	CMF120M	0.43	0.20	in	0.79	4.72	0.43
ZN	CMF125Z	2.10	0.95	mm	21	125	11
AL	CMF125A	0.74	0.34				
MG	CMF125M	0.49	0.22	in	0.83	5	0.45
ZN	CMF128Z	2.16	0.98	mm	22	128	12
AL	CMF128A	0.77	0.35				
MG	CMF128M	0.50	0.23	in	0.87	5.04	0.47

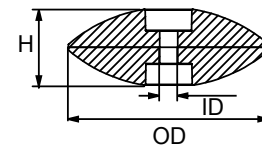
EURO STYLE RUDDER/TRIM TAB ANODES

	PID	LB	KG		H	OD	ID
ZN	CMF140Z	3.26	1.48	mm	26	140	13
AL	CMF140A	1.15	0.52				
MG	CMF140M	0.77	0.35	in	1	5.5	0.5
ZN	CMF190Z	5.48	2.49	mm	29	190	13
AL	CMF190A	1.94	0.88				
MG	CMF190M	1.29	0.55	in	1.14	7.5	0.5



	PID	LB	KG		H	OD	ID
ZN	CMF50CZ	0.34	0.16	mm	22	50	7
AL	CMF50CA	0.12	0.06	in	0.82	2	0.26
ZN	CMF70CZ	0.80	0.36	mm	26	70	9
AL	CMF70CA	0.28	0.12	in	1.02	2 ¾	0.35
ZN	CMF90CZ	1.82	0.84	mm	34	90	9
AL	CMF90CA	0.64	0.3	in	1.33	3 ½	0.35
ZN	CMF110CZ	2.88	1.3	mm	38	110	11
AL	CMF110CA	1.02	0.3	in	1.5	4 ½	0.42
ZN	CMF125CZ	4.2	1.9	mm	42	125	11
AL	CMF125CA	1.48	0.68	in	1.66	5	0.45
ZN	CMF140CZ	6.52	2.96	mm	52	140	13
AL	CMF140CA	2.3	1.04	in	2	5 ½	0.5

NEW



*Sold as two halves,
assembled with a zip tie*

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

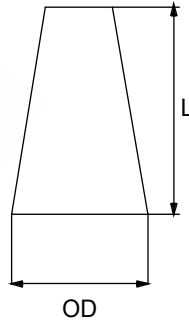
PLEASURECRAFT

PROPELLER

ANODES

PROPELLER NUT ANODES | incl. insert & hardware

PROP NUT COMPLETE



	TYPE	PID	LB	KG	SHAFT	L	OD	THREAD	FASTENER	
ZN	A	CMPNAZC13	0.46	0.21	mm	19	38	1/2"-13 UNC	1/4- 20 x 1/2	
AL		CMPNAAC13	0.34	0.15	in	0.75	1.5			1.25
MG		CMPNAMC13	0.32	0.15						
ZN	B	CMPNBZC11	0.76	0.34	mm	22	54	5/8"-11 UNC	1/4- 20 x 1/2	
AL		CMPNBAC11	0.46	0.21	in	0.87	2.12			1.65
MG		CMPNBMC11	0.39	0.18						
ZN	C	CMPNCZC10	1.38	0.63	mm	25	76	3/4"-10 UNC	5/16- 18 x 1	
AL		CMPNCAC10	0.78	0.35	in	1	3			2
MG		CMPNCMC10	0.65	0.30						
ZN	C	CMPNCZF16	1.38	0.63	mm	29	76	3/4"-16 UNF	5/16- 18 x 1	
AL		CMPNCAF16	0.78	0.35	in	1.12	3			2
MG		CMPNCMF16	0.65	0.30						
ZN	D	CMPNDZC09	2.2	1	mm	32	78	7/8"-9 UNC	5/16- 18 x 1	
AL		CMPNDAC09	1.33	0.6	in	1.25	3.06			2.3
MG		CMPNDMC09	1.11	0.5						
ZN	D	CMPNDZF14	2.2	1	mm	32	78	7/8"-14 UNF	5/16- 18 x 1	
AL		CMPNDAF14	1.33	0.6	in	1.25	3.06			2.3
MG		CMPNDMF14	1.11	0.5						
ZN	E	CMPNEZC08	2.5	1.14	mm	35	89	1"-8 UNC	5/16- 18 x 1	
AL		CMPNEAC08	1.43	0.65	in	1.37	3 1/2			2.5
MG		CMPNEMC08	1.2	0.54						
ZN	E	CMPNEZF14	2.5	1.14	mm	35	89	1"-14 UNF	5/16- 18 x 1	
AL		CMPNEAF14	1.43	0.65	in	1.37	3.5			2.5
MG		CMPNEMF14	1.2	0.54						
ZN	F	CMPNFZC07	3	1.36	mm	38	89	1 1/8"-7 UNC	5/16- 18 x 1	
AL		CMPNFAC07	1.75	0.79	in	1.5	3.5			2.76
MG		CMPNFMC07	1.52	0.69						
ZN	G	CMPNGZC07	4.4	2	mm	45	92	1 1/4"-7 UNC	3/8- 16 x 7/8	
AL		CMPNGAC07	2.59	1.18	in	1.75	3.62			3.12
MG		CMPNGMC07	2.25	1.02						
ZN	H	CMPNHZC06	5.25	2.39	mm	51	102	1 1/2"-6 UNC	3/8- 16 x 7/8	
AL		CMPNHAC06	3.22	1.48	in	2	4			3.34
MG		CMPNHMC06	2.81	1.28						

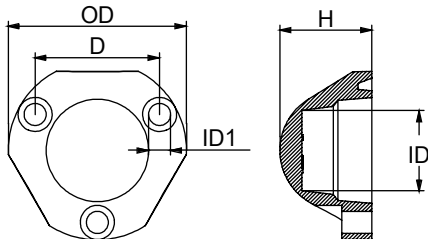
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



IMPORTANT
PROP NUT FASTENERS:
FASTENERS ARE INCLUDED WITH ALL REPLACEMENT PROP NUTS.
NYLON PATCH IS GOOD FOR ONE INITIAL APPLICATION ONLY.
PLEASE USE LOCK TITE OR TEFLON TAPE TO ENSURE MAXIMUM HOLD.

REPLACEMENT PROPELLER NUT ANODES

	TYPE	PID	LB	KG		L	OD
ZN	A	CMPNZA	0.20	0.09	mm	38	32
AL		CMPNAA	0.08	0.03			
MG		CMPNMA	0.06	0.03	in	1.5	1.25
ZN	B	CMPNZB	0.50	0.23	mm	52	42
AL		CMPNAB	0.20	0.09			
MG		CMPNMB	0.13	0.06	in	2.05	1.65
ZN	C	CMPNZC	1.00	0.45	mm	67	51
AL		CMPNAC	0.40	0.19			
MG		CMPNMC	0.27	0.12	in	2.64	2
ZN	D	CMPNZD	1.50	0.68	mm	75	58
AL		CMPNAD	0.63	0.29			
MG		CMPNMD	0.41	0.19	in	2.95	2.3
ZN	E	CMPNZE	1.75	0.31	mm	79	64
AL		CMPNAE	0.68	0.31			
MG		CMPNME	0.45	0.20	in	3.13	2.5
ZN	F	CMPNZF	2.00	0.91	mm	84	70
AL		CMPNAF	0.75	0.34			
MG		CMPNMF	0.52	0.24	in	3.32	2.75
ZN	G	CMPNZG	2.91	1.32	mm	89	79
AL		CMPNAG	1.09	0.49			
MG		CMPNMG	0.75	0.34	in	3.5	3.13
ZN	H	CMPNZH	3.25	1.48	mm	98	85
AL		CMPNAH	1.22	0.55			
MG		CMPNMH	0.81	0.37	in	3.84	3.34



AUTOPROP ANODES

	PID	LB	KG		H	OD	ID
ZN	CMPNH5Z	0.33	0.15	mm	33	57	7
AL	CMPNH5A	0.13	0.06				
MG	CMPNH5M	0.08	0.04	in	1.3	2.24	0.27
ZN	CMPNH6Z	0.80	0.37	mm	46	74	9
AL	CMPNH6A	0.32	0.15				
MG	CMPNH6M	0.20	0.09	in	1.81	2.91	0.35

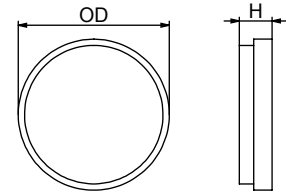
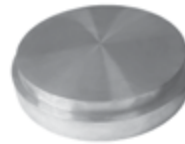
NEW

	PID	LB	KG		OD	H	D	ID	ID1
ZN	CMPNH9Z	1.104	0.501	mm	89	46	62.18	40	11
AL	CMPNH9A	0.423	0.192						
MG	CMPNH9M	2.473	0.122	in	3.50	1.81	2.45	1.57	0.43

Autoprop 3-Blade Propeller H9

AZIMUT BENETTI™ ANODES

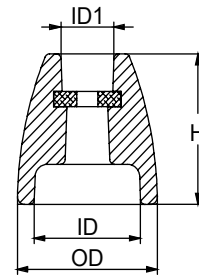
	PID	LB	KG	H	OD	
ZN	CMOU687Z	33.1	15	mm	52	240



BRP™ (EVINRUDE JOHNSON) PROPELLER ANODES

	PID	LB	KG	OD	ID	ID1	H	
ZN	CM5009138Z	1.28	0.58	mm	58	8.5	17	60
AL	CM5009138A	0.5	0.23		58	8.5	17	60
MG	CM5009138M	0.33	0.15	in	2.28	0.33	0.67	2.36

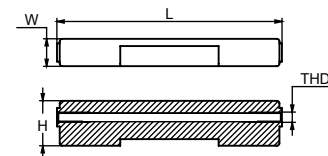
NEW



BRP Propeller Shaft Anode

	PID	LB	KG	L	W	H	THD
ZN	CM5008813Z	1.83	0.83	mm	174	36	5/16-18 UNC
AL	CM5008813A	0.71	0.32		174	36	
MG	CM5008813M	0.46	0.21	in	6.86	1.4	0.8

NEW



BRP Stern Bracket Anode

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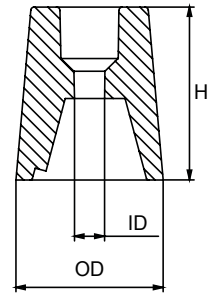
BENETEAU™ ANODES | incl. insert & hardware



	Prop Nut Complete	PID	LB	KG	THD	Fastener countersink socket head w/pitch
ZN	22/25 mm	CMLAEC3250Z	0.63	0.28	M16 x1.5	M6 x 20 SS
AL		CMLAEC3250A	0.25	0.11		
MG		CMLAEC3250M	0.16	0.07		
ZN	30mm	CMLAEC3300Z	1.19	0.54	M20 x 1.5	M8 x 30 SS
AL		CMLAEC3300A	0.47	0.21		
MG		CMLAEC3300M	0.30	0.14		
ZN	35mm	CMLAEC3500Z	1.44	0.65	M24 x 2	M8 x 30 SS
AL		CMLAEC3500A	0.56	0.25		
MG		CMLAEC3500M	0.36	0.16		
ZN	40mm	CMLAEC4000Z	2.13	0.97	M24 x 2	M8 x 30 SS
AL		CMLAEC4000A	0.84	0.38		
MG		CMLAEC4000M	0.53	0.24		
ZN	45mm	CMLAEC4500Z	2.20	1.00	M30 x 2	M10 x 30 SS
AL		CMLAEC4500A	0.86	0.39		
MG		CMLAEC4500M	0.55	0.25		
ZN	45mm	CMLAEC4500EUZ	3.13	1.42	M33 x 2	M10 x 25 SS
AL		CMLAEC4500EUA	2.18	0.99		
MG		CMLAEC4500EUM	1.94	0.88		
ZN	50mm	CMLAEC5000Z	5.20	2.36	M36 x 3	M10 x 30 SS
AL		CMLAEC5000A	3.53	1.60		
MG		CMLAEC5000M	3.15	1.43		
ZN	55mm	CMLAEC5500Z	5.50	2.50	M40 x 3	M10 x 30 SS
AL		CMLAEC5500A	4.10	1.85		
MG		CMLAEC5500M	3.70	1.68		
ZN	60mm	CMLAEC6000Z	8.20	3.72	M45 x 3	M10 x 30 SS
AL		CMLAEC6000A	6.00	2.71		
MG		CMLAEC6000M	5.40	2.45		
ZN	100mm	CMLAEC10000Z	13.74	6.25	M50 x 3	M10 x 30 SS
AL		CMLAEC10000A	10.15	4.61		
MG		CMLAEC10000M	9.42	4.28		
ZN	110mm	CMLAEC11000Z	Contact us for more information		M64 x 4	--
AL		CMLAEC11000A				
MG		CMLAEC11000M				

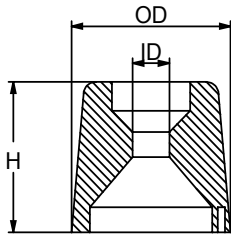
BENETEAU™ REPLACEMENT ANODES

Prop Nut Replace	PID	LB	KG	H	OD	ID		
ZN	22/ 25mm	CMAN225Z	031	0.14	mm	39	34	7
AL		CMAN225A	0.12	0.05	in	1.55	1.32	0.27
MG		CMAN225M	0.08	0.04				
ZN	30mm	CMAN230Z	0.62	0.28	mm	54	42	8
AL		CMAN230A	0.24	0.11	in	2.11	1.65	0.32
MG		CMAN230M	0.16	0.07				
ZN	35mm	CMAN235Z	0.55	0.25	mm	58	46	8
AL		CMAN235A	0.22	0.10	in	2.28	1.81	0.32
MG		CMAN235M	0.14	0.06				
ZN	40mm	CMAN240Z	1.08	0.49	mm	67	51	8
AL		CMAN240A	0.42	0.19	in	2.62	2.02	0.32
MG		CMAN240M	0.27	0.12				
ZN	45mm	CMAN245Z	1.70	0.77	mm	76	61	10
AL		CMAN245A	0.67	0.30	in	2.99	2.4	0.41
MG		CMAN245M	0.43	0.20				
ZN	70mm	CMANCHN700Z	5.50	2.50	mm	100	83	9
AL		CMANCHN700A	2.16	0.98	in	3.94	3.27	0.35
MG		CMANCHN700M	1.38	0.63				
ZN	45mm	CMAN245EUZ	1.61	0.73	mm	74	59	11
AL		CMAN245EUA	0.66	0.30	in	2.9	2.3	0.4
MG		CMAN245EUM	0.42	0.19				
ZN	50mm	CMAN250Z	2.49	1.13	mm	84	71	12
AL		CMAN250A	1.01	0.46	in	3.3	2.8	0.5
MG		CMAN250M	0.64	0.29				
ZN	55mm	CMAN255Z	2.47	1.12	mm	84	72	11
AL		CMAN255A	0.99	0.45	in	3.3	2.8	0.4
MG		CMAN255M	0.62	0.28				
ZN	60mm	CMAN260Z	3.88	1.76	mm	96	81	11
AL		CMAN260A	1.57	0.71	in	3.8	3.2	0.4
MG		CMAN260M	0.99	0.45				

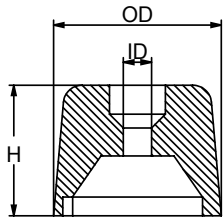


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

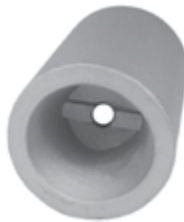
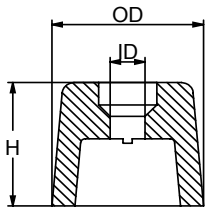
FERRETTI™ ANODES



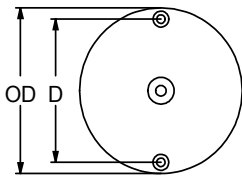
	PID	LB	KG	OD	ID	H
ZN	CMFE1Z	1.30	0.59	mm	50	10
				in	2	0.38
						65



	PID	LB	KG	H	OD	ID
ZN	CMFE2Z	2.56	1.16	mm	90	59
				in	3.5	2.3
						10



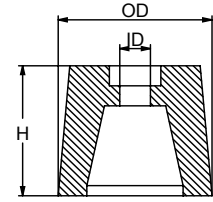
	PID	LB	KG	H	OD	ID
ZN	CMFE3Z	1.32	0.60	mm	65	50
				in	2.6	2
						0.28



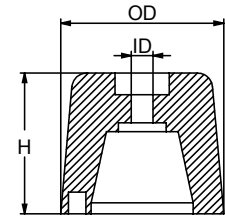
	PID	LB	KG	H	OD
ZN	CMFE80Z	28.7	13	mm	125
				in	4.9
					155

FERRETTI™ ANODES

	PID	LB	KG		H	OD	ID
ZN	CMFE4Z	2.12	0.96	mm	75	60	10
				in	2.9	2.4	0.4

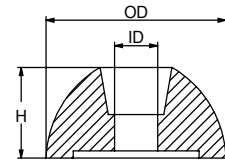


	PID	LB	KG		H	OD	ID
ZN	CMFE5Z	4.14	1.88	mm	95	74	13
				in	3.7	2.9	0.52



FLEXOFOLD™ ANODES

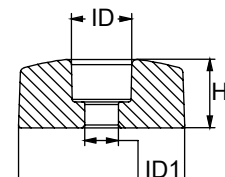
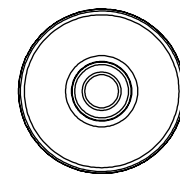
	PID	LB	KG		OD	ID	H
ZN	CMPNFXZ	1.00	0.46	mm	67	8	38
AL	CMPNFXA	0.40	0.19				
MG	CMPNFXM	0.25	0.11	in	2.6	0.33	1.5



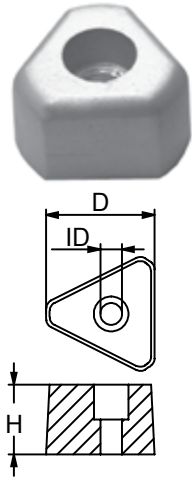
	PID	LB	KG		OD	H	ID	ID1
ZN	CMPNFF2Z	0.123	0.056	mm	31.7	13.3	11.25	6.4
AL	CMPNFF2A	0.046	0.021					
MG	CMPNFF2M	0.030	0.014	in	1.25	0.52	0.44	0.25

Flex-O-Fold 2-Blade Propeller Anode

NEW

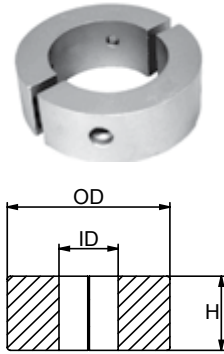


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



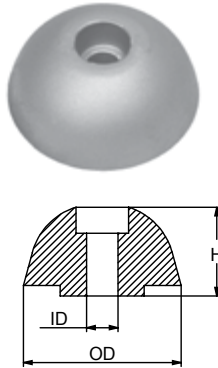
GORI™ ANODES

	PID	LB	KG		D	ID	H
ZN	CM14072100Z	0.08	0.04	mm	24	8	16
				in	0.9	0.33	0.6
ZN	CM14073100Z	0.11	0.05	mm	25	7	16
				in	1	0.26	0.6
ZN	CM14074100Z	0.20	0.09	mm	31	7	20
				in	1.2	0.26	0.8
ZN	CM14074511Z	0.57	0.26	mm	40	7	33
				in	1.6	0.26	1.3

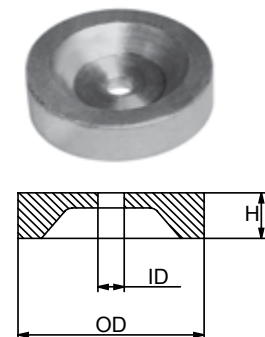


	PID	LB	KG		D	ID	H
ZN	CM15539500Z (3-BLADE SAILDRIVE)	2.09	0.95	mm	95	60	34
				in	3.7	2.4	1.3
ZN	CM15540000Z (3-BLADE SHAFT)	2.95	1.34	mm	95	63	47
				in	3.7	2.5	1.8
ZN	CM15530000Z (3-BLADE SHAFT)	1.90	0.86	mm	83	53	40
				in	3.3	2.1	1.6
ZN	CM15500000Z (3-BLADE SHAFT)	4.65	2.11	mm	127	90	50
				in	5	3.5	2
ZN	CM15670000Z	1.28	0.58	mm	97	80	40
				in	3.8	3.1	1.6
ZN	CM15527500Z (3-BLADE SAILDRIVE)	0.75	0.34	mm	80	55	23
				in	3.2	2.2	0.9

J-PROP™ ANODES



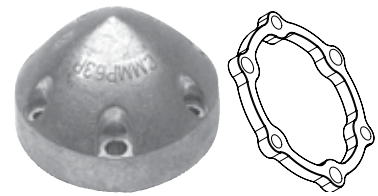
	PID	LB	KG		OD	ID	H
ZN	CMJPROP60Z	0.71	0.32	mm	60	9	25
AL	CMJPROP60A	0.26	0.12				
MG	CMJPROP60M	0.18	0.08	in	2.4	0.34	1
ZN	CMJPROP80Z	1.63	0.74	mm	80	10	33
				in	3.1	0.4	1.3
ZN	CMJPROP90Z	2.34	1.06	mm	90	10	37
				in	3.5	0.4	1.5



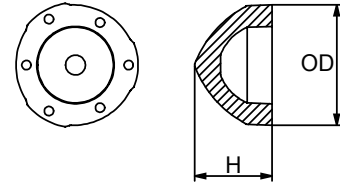
	PID	LB	KG		OD	ID	H
ZN	CMJP60Z	0.50	0.22	mm	60	9	15
				in	2.4	0.3	0.6

MAX PROP™ ANODES

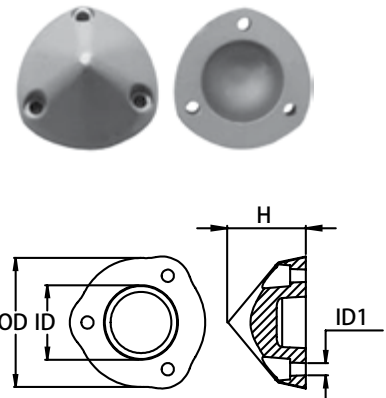
	PID	LB	KG	OD	H	Fas-tener	
ZN	CMMP63RZ	0.64	0.29	mm	61	M5 x 20	
AL	CMMP63RA	0.25	0.11	in	2.4		1.5
MG	CMMP63RM	0.16	0.07				
ZN	CMMP70RZ	1.14	0.52	mm	68	M4 x 20	
AL	CMMP70RA	0.45	0.20	in	2.63		1.75
MG	CMMP70RM	0.29	0.13				
ZN	CMMP83RZ	1.65	0.75	mm	79	M5 x 20	
AL	CMMP83RA	0.65	0.29	in	3.13		2.25
MG	CMMP83RM	0.41	0.19				



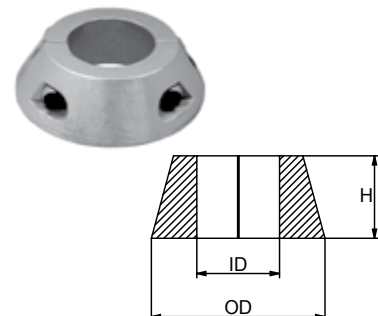
(COMES WITH INSERT - NEW DESIGN)



	PID	LB	KG	OD	H	Fas-tener
ZN	CMMP63MZ	0.60	0.30	mm	65	M5 x 20SS
				in	2.56	
ZN	CMMP70MZ	0.84	0.38	mm	72	M6 x 25SS
				in	2.83	
ZN	CMMP83MZ	1.74	0.79	mm	85	M6 x 25SS
				in	3.45	
ZN	CMMP100MZ	2.14	0.97	mm	100	--
				in	3.94	
ZN	CMMP125MZ	6.11	2.77	mm	130	--
				in	5.12	



	PID	LB	KG	OD	ID	H
ZN	CMMP70SDZ	1.55	0.71	mm	93	42
				in	3.7	1.6
ZN	CMMP83SDZ	1.44	0.65	mm	93	46
				in	3.7	1.8

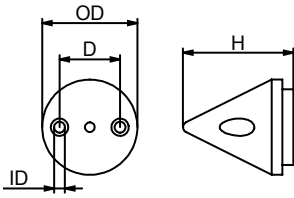


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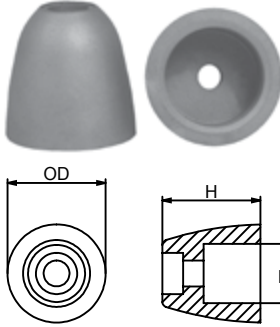
MAX PROP™ ANODES

	PID	LB	KG		OD	D	ID	H
ZN	CMMP63M2BZ	0.46	0.21	mm	44	28	4	51
				in	1.7	1.1	0.17	2

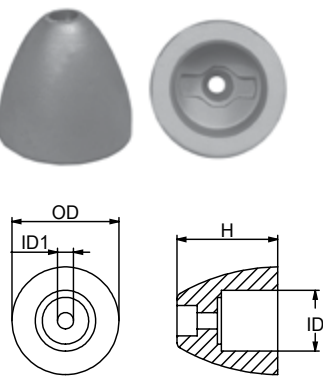


MTF™ ANODES

	PID	LB	KG		OD	ID	H
ZN	CMMTF1Z	0.26	0.12	mm	38	27	38
				in	1.5	1	1.5



	PID	LB	KG		OD	ID	ID1	H
ZN	CMMTF2Z	0.74	0.34	mm	53	35	7	50
				in	2.1	1.4	0.26	2
ZN	CMMTF3Z	1.66	0.75	mm	65	45	7	77
				in	2.6	1.8	0.28	3



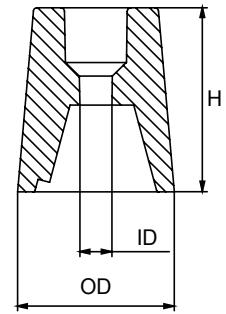
RADICE™ ANODES

	PID	LB	KG		OD	ID	H	THD	Fastener
ZN	CMLAEC3250EUZ	0.61	0.28	mm	33	7	39	M16 x 1.5	M6 x 16SS
AL	CMLAEC3250EUA	0.45	0.21						
MG	CMLAEC3250EUM	0.41	0.19	in	1.28	0.27	1.54		
ZN	CMLAEC3300EUZ	1.31	0.59	mm	44	9	52	M20 x 1.5	M8 x 25SS
AL	CMLAEC3300EUA	0.87	0.40						
MG	CMLAEC3300EUM	0.77	0.35	in	1.73	0.35	2.05		
ZN	CMLAEC3500EUZ	1.41	0.64	mm	44	9	52	M24 x 2	M8 x 25SS
AL	CMLAEC3500EUA	1.05	0.48						
MG	CMLAEC3500EUM	0.96	0.44	in	1.73	0.35	2.05		
ZN	CMLAEC4000EUZ	2.17	0.99	mm	50	9	65	M24 x 2	M8 x 25SS
AL	CMLAEC4000EUA	1.54	0.70						
MG	CMLAEC4000EUM	1.39	0.63	in	1.97	0.35	2.56		
ZN	CMLAEC4500EUZ	1.57	0.73	mm	50	10	74	M32 x 2	M10 x 30SS
AL	CMLAEC4500EUA	0.66	0.30						
MG	CMLAEC4500EUM	0.42	0.19	in	2.32	0.39	2.91		



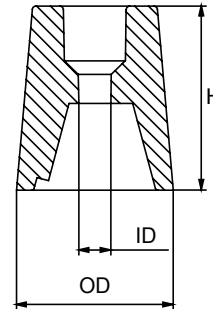
RADICE™ ANODES

	PID	LB	KG		OD	H	THD	Fastener
ZN	CMLAEC5000Z	5.20	2.36	mm	71	113	M36 X2	M10 X30
AL	CMLAEC5000A	3.53	1.60					
MG	CMLAEC5000M	3.15	1.43	in	2.80	4.45		
ZN	CMLAEC5500Z	5.50	2.50	mm	72	127	M40 X3	M10 X30
AL	CMLAEC5500A	4.10	1.85					
MG	CMLAEC5500M	3.70	1.68	in	2.80	5.00		
ZN	CMLAEC6000Z	8.20	3.72	mm	81	139	M45 X3	M10 X30
AL	CMLAEC6000A	6.00	2.71					
MG	CMLAEC6000M	5.40	2.45	in	3.19	5.47		
ZN	CMLAEC10000Z	12.45	5.64	mm	98	98	M50 X3	M10 X30
AL	CMLAEC10000A	9.11	4.13					
MG	CMLAEC10000M	8.20	3.72	in	3.86	3.86		
ZN	CMLAEC11000Z	Contact us for more information		mm	160	134	M64 X4	--
AL	CMLAEC11000A			in	6.30	5.28		
MG	CMLAEC11000M							

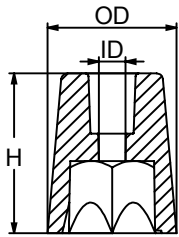
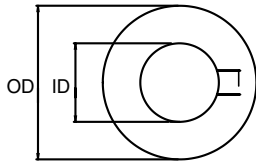
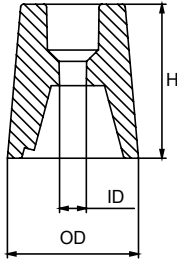


RADICE™ REPLACEMENT ANODES

	PID	LB	KG		OD	ID	H
ZN	CMAN225EUZ	0.26	0.12	mm	33	7	39
AL	CMAN225EUA	0.11	0.05				
MG	CMAN225EUM	0.07	0.03	in	1.28	0.27	1.54
ZN	CMAN230EUZ	0.72	0.33	mm	44	9	52
AL	CMAN230EUA	0.28	0.13				
MG	CMAN230EUM	0.18	0.08	in	1.73	0.35	2.05
ZN	CMAN235EUZ	0.61	0.28	mm	44	9	52
AL	CMAN235EUA	0.24	0.11				
MG	CMAN235EUM	0.15	0.07	in	1.73	0.35	2.05
ZN	CMAN240EUZ	1.03	0.47	mm	50	9	65
AL	CMAN240EUA	0.41	0.19				
MG	CMAN240EUM	0.26	0.12	in	1.97	0.35	2.56
ZN	CMAN245EUZ	1.61	0.73	mm	59	48	74
AL	CMAN245EUA	0.66	0.30				
MG	CMAN245EUM	0.42	0.19	in	2.32	1.89	2.91
ZN	CMAN250Z	2.49	1.13	mm	71	12	84
AL	CMAN250A	1.01	0.46				
MG	CMAN250M	0.64	0.29	in	2.8	0.5	3.3
ZN	CMAN255Z	2.47	1.12	mm	72	11	84
AL	CMAN255A	0.99	0.45				
MG	CMAN255M	0.62	0.28	in	2.8	0.4	3.3
ZN	CMAN260Z	3.88	1.76	mm	81	11	96
AL	CMAN260A	1.57	0.71				
MG	CMAN260M	0.99	0.45	in	3.2	0.4	3.8



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RADICE™ REPLACEMENT ANODES

	PID	LB	KG		OD	ID	H
ZN	CMAN2100Z	4.99	2.26	mm	98	85	98
AL	CMAN2100A	1.95	0.89	in	3.86	3.33	3.86
MG	CMAN2100M	1.22	0.55				
ZN	CMAN2110Z	16.9	7.65	mm	160	130	134
AL	CMAN2110A	6.60	3.00	in	6.30	5.12	5.28
MG	CMAN2110M	4.12	1.87				

RADICE™ WASHER

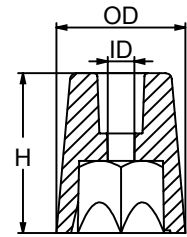
	PID	LB	KG		OD	ID	Shaft
WASHRAD2225C	0.01	0.005	mm	38	17	25	
			in	1.50	0.67		
WASHRAD30C	0.02	0.01	mm	46	20	30	
			in	1.81	0.79		
WASHRAD35C	0.02	0.01	mm	51	24	35	
			in	2.00	0.94		
WASHRAD40C	0.03	0.02	mm	54	24	40	
			in	2.12	0.94		
WASHRAD45C	0.04	0.02	mm	66	33	45	
			in	2.60	1.30		
WASHRAD50C	0.06	0.03	mm	76	36	50	
			in	3.00	1.42		
WASHRAD55C	0.07	0.03	mm	81	40	55	
			in	3.20	1.57		
WASHRAD60C	0.08	0.04	mm	90	46	60	
			in	3.54	1.81		
WASHRAD100C	0.11	0.05	mm	104	52	100	
			in	4.09	2.05		

RADICE™ ANODES | HEXAGONAL

	PID	LB	KG		OD	ID	H	THD	Fastener
ZN	CMPNRAD225CZ	0.66	0.30	mm	33	7	40	M16 x 1.5	M6 X 20
AL	CMPNRAD225CA	0.26	0.12	in	1.3	0.26	1.6		
MG	CMPNRAD225CM	0.17	0.08						
ZN	CMPNRAD30CZ	1.17	0.53	mm	42	9	53	M20 x 1.5	M8 X 20
AL	CMPNRAD30CA	0.29	0.13	in	1.6	0.34	2.1		
MG	CMPNRAD30CM	0.46	0.21						
ZN	CMPNRAD35CZ	1.61	0.73	mm	46	9	62	M24 x 2	M8 X 25
AL	CMPNRAD35CA	0.63	0.29	in	1.8	0.34	2.4		
MG	CMPNRAD35CM	0.4	0.18						
ZN	CMPNRAD40CZ	2.31	1.05	mm	52	9	67	M24 X 2	M8 X 20
AL	CMPNRAD40CA	0.91	0.41	in	2	0.34	2.6		
MG	CMPNRAD40CM	0.56	0.25						
ZN	CMPNRAD45CZ	3.52	1.60	mm	61	11	76	M33 x 2	M10 X 25
AL	CMPNRAD45CA	1.38	0.63	in	2.4	0.43	3		
MG	CMPNRAD45CM	0.88	0.40						

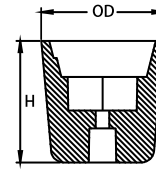
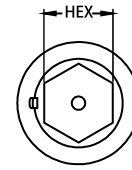
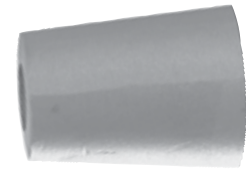
RADICE™ ANODES | HEXAGONAL

	PID	LB	KG		OD	ID	H	THD	Fastener				
ZN	CMPNRAD50C	5.55	2.52	mm	72	11	83	M36 x 3	M10 x 35				
AL	CMPNRAD50AC	2.18	0.99		in	2.8	0.43			3.3			
MG	CMPNRAD50MC	1.39	0.63	ZN		CMPNRAD55C	6.12	2.78	mm	75	11	87	M40 x 3
AL	CMPNRAD55AC	2.4	1.1	in	2.9	0.43	3.4						
MG	CMPNRAD55MC	1.53	0.69		ZN	CMPNRAD60C	7.84	3.56	mm	83	11	98	M45 x 3
AL	CMPNRAD60AC	3.07	1.39	in	3.3	0.43	3.8						
MG	CMPNRAD60MC	1.96	0.89		ZN	CMPNRAD100C	12.47	5.67	mm	97	11	96	M50 x 3
AL	CMPNRAD100AC	8.98	4.08	in	3.82	0.42	3.78						
MG	CMPNRAD100MC	8.18	3.72										



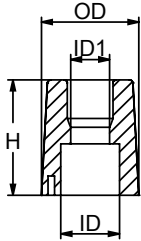
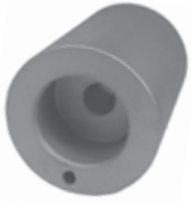
RADICE™ REPLACEMENT ANODES | HEXAGONAL

	PID	LB	KG		OD	HEX	H				
ZN	CMPNRAD225Z	0.26	0.12	mm	33	22	40				
AL	CMPNRAD225A	0.10	0.05		in	1.30	0.87	1.57			
MG	CMPNRAD225M	0.06	0.03	ZN		CMPNRAD30Z	0.57	0.26	mm	42	27
AL	CMPNRAD30A	0.22	0.10	in	1.65	1.06	2.09				
MG	CMPNRAD30M	0.14	0.06		ZN	CMPNRAD35Z	0.77	0.35	mm	46	32
AL	CMPNRAD35A	0.30	0.14	in	1.81	1.26	2.44				
MG	CMPNRAD35M	0.19	0.09		ZN	CMPNRAD40Z	1.08	0.49	mm	52	36
AL	CMPNRAD40A	0.42	0.19	in	2.05	1.42	2.64				
MG	CMPNRAD40M	0.26	0.12		ZN	CMPNRAD45Z	1.76	0.80	mm	61	41
AL	CMPNRAD45A	0.69	0.31	in	2.40	1.61	2.99				
MG	CMPNRAD45M	0.43	0.20		ZN	CMPNRAD50Z	2.62	1.19	mm	72	46
AL	CMPNRAD50A	1.02	0.47	in	2.83	1.81	3.23				
MG	CMPNRAD50M	0.64	0.29		ZN	CMPNRAD55Z	2.71	1.23	mm	75	50
AL	CMPNRAD55A	1.06	0.48	in	2.95	1.97	3.43				
MG	CMPNRAD55M	0.66	0.30		ZN	CMPNRAD60Z	3.61	1.64	mm	83	55
AL	CMPNRAD60A	1.41	0.64	in	3.23	2.17	3.86				
MG	CMPNRAD60M	0.88	0.40		ZN	CMPNRAD100Z	5.79	2.63	mm	97	54
AL	CMPNRAD100A	2.23	1.01	in	3.82	2.13	3.78				
MG	CMPNRAD100M	1.41	0.64								

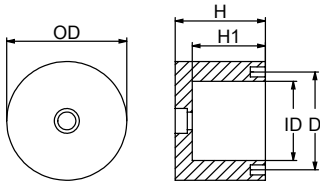


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REGGANI™ ANODES

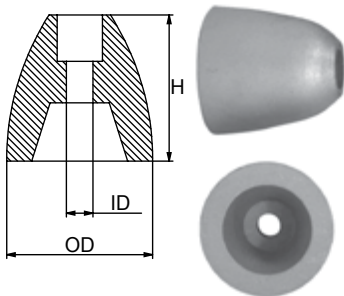


	PID	LB	KG	OD	ID	ID1	H	Shaft
ZN	CMRG20Z	0.17	0.08	mm	28	15	7	30
				in	1.1	0.6	0.28	1.2
ZN	CMRG25Z	0.30	0.14	mm	34	20	7	34
				in	1.3	0.8	0.28	1.3
ZN	CMRG30Z	0.93	0.42	mm	44	25	7	50
				in	1.7	1	0.27	2
ZN	CMRG35Z	0.97	0.44	mm	48	28	9	55
				in	1.9	1.1	0.34	2.2
ZN	CMRG40Z	1.21	0.54	mm	54	34	11	55
				in	2.1	1.3	0.41	2.2
ZN	CMRG45Z	2.09	0.95	mm	64	40	12	63
				in	2.5	1.6	0.47	2.5
ZN	CMRG50Z	3.39	1.54	mm	74	45	11	75
				in	2.9	1.8	0.44	3
ZN	CMRG55Z	3.59	1.63	mm	78	49	10.5	75
				in	3.1	1.9	0.41	3
ZN	CMRG60Z	5.29	2.40	mm	88	55	10.5	85
				in	3.5	2.2	0.41	3.3



RIVA™ ANODES

	PID	LB	KG	OD	ID	D	H	H1	
ZN	CMOU656Z	27.86	12.64	mm	170	92	110	100	65
AL	CMOU656A	10.69	4.85	in	6.69	3.6	4.33	3.94	2.56
MG	CMOU656M	6.77	3.07						
ZN	CMOU657Z	10.43	4.73	mm	120	80	99	90	65
AL	CMOU657A	4.01	1.82	in	4.72	3.15	3.89	3.54	2.56
MG	CMOU657M	2.53	1.15						

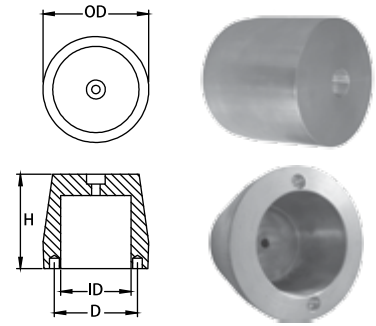


	PID	LB	KG	OD	ID	H	
ZN	CMRIVA2230Z	0.33	0.15	mm	38	7	38
AL	CMRIVA2230A	0.13	0.06	in	1.5	0.27	1.5
MG	CMRIVA2230M	0.09	0.04				
ZN	CMRIVA3550Z	0.88	0.40	mm	52	9	60
AL	CMRIVA3550A	0.31	0.14	in	2	0.36	2.4
MG	CMRIVA3550M	0.22	0.10				

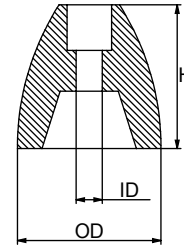
RIVA™ ANODES

	PID	LB	KG		OD	ID	D	H
ZN	CMOU686Z	15.36	6.97	mm	140	93	110	125
AL	CMOU686A	5.88	2.67					
MG	CMOU686M	3.72	1.69	in	5.51	3.66	4.33	4.92

SPLENDIDA 72

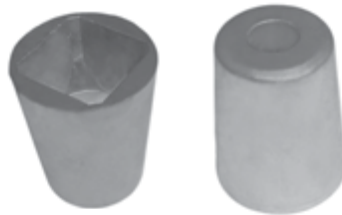
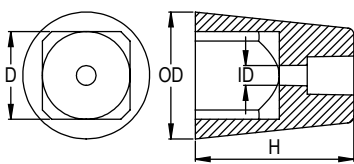


	PID	LB	KG	Shaft	Ø Fil.
ZN	CMRV221615Z	0.82	0.37	22-25	16 X 1.5
ZN	CMRV221620Z	0.49	0.22	22-25	16 X 2
ZN	CMRV2518175Z	0.82	0.37	25	18 X 1.75
ZN	CMRV251815Z	0.82	0.37	25	18 X 1.5
ZN	CMRV251820Z	0.82	0.37	25	18 X 2
ZN	CMRV302015Z	0.82	0.37	30	20 X 1.5
ZN	CMRV352420Z	2.76	1.25	35	24 X 2
ZN	CMRV402620Z	2.16	0.98	40	26 X 2
ZN	CMRV2230Z	0.82	0.37	Pilot hole	22 - 30
ZN	CMRV3550Z	2.20	1.40	Pilot hole	35 - 50



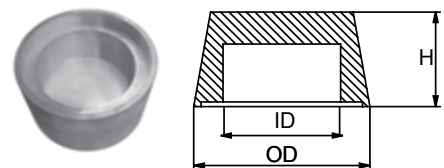
INTERAL SQUARE™ ANODES

	PID	LB	KG		OD	ID	H	D
ZN	CMIQ648Z	2.16	0.98	mm	68	11	85	47
				in	2.68	0.43	3.35	1.85

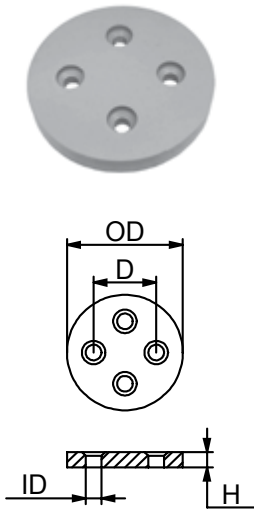


S.LORENZO™ ANODES

	PID	LB	KG		OD	ID	H
ZN	CMOU688Z	46.30	21.00	mm	240	75	130
				in	9.4	2.9	5.1



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



NEW

SHAFRAN™ ANODES

	PID	LB	KG		OD	D	ID	H
ZN	CMSH579Z	5.03	2.28	mm	148	80	12	20
				in	5.8	3.1	0.47	0.8
ZN	CMSH587Z	5.03	2.28	mm	148	110	12	20
				in	5.8	4.3	0.47	0.8
ZN	CMSH649Z	4.52	2.05	mm	135	115	12	20
				in	5.3	4.5	0.47	0.8
ZN	CMSH650Z	5.69	2.58	mm	140	110	12	25
				in	5.5	4.3	0.47	1
ZN	CMSH651Z	4.65	2.11	mm	125	105	12	25
				in	4.9	4.1	0.47	1

	PID	LB	KG		OD	D	ID	H
ZN	CMSH732Z	8.6	3.9	mm	169	150	12	25
				in	6.29	5.90	0.47	0.98

SOLE™ ANODES

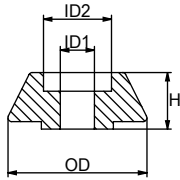


	PID	LB	KG		OD	ID	H
ZN	CMPNSOLE1Z	0.24	0.11	mm	32	7	39
AL	CMPNSOLE1A	0.09	0.04				
MG	CMPNSOLE1M	0.06	0.03	in	1.26	0.26	1.5
ZN	CMPNSOLE2Z	0.44	0.20	mm	37	9	45
AL	CMPNSOLE2A	0.17	0.08				
MG	CMPNSOLE2M	0.11	0.05	in	1.46	0.34	1.77
ZN	CMPNSOLE3Z	0.84	0.38	mm	45	9	60
AL	CMPNSOLE3A	0.33	0.15				
MG	CMPNSOLE3M	0.21	0.10	in	1.77	0.34	2.36
ZN	CMPNSOLE4Z	1.23	0.56	mm	55	9	70
AL	CMPNSOLE4A	0.48	0.22				
MG	CMPNSOLE4M	0.31	0.14	in	2.17	0.34	2.76



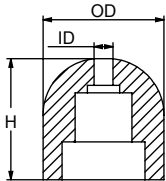
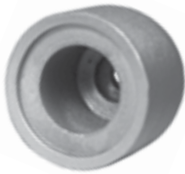
PLEASURECRAFT

PROP NUT & BOW THRUSTER



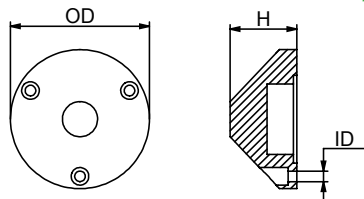
LEWMAR™ ANODES

	PID	LB	KG		H	OD	ID1	ID2
ZN	CM589150Z	0.18	0.08	mm	14	38	8	18
				in	0.6	1.5	0.33	0.7
ZN	CM589350Z	0.26	0.12	mm	15	45	10	24
				in	0.6	1.8	0.41	0.9
ZN	CM589550Z	0.55	0.25	mm	20	60	17	34
				in	0.8	2.4	0.7	1.3



MAX POWER™ ANODES

	PID	LB	KG		H	OD	ID
ZN	CMMP586Z	0.22	0.1	mm	32	32	7
				in	1.3	1.3	0.26

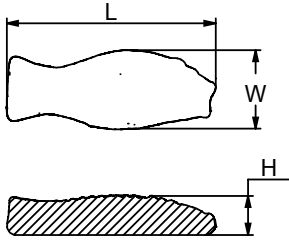


	PID	LB	KG		H	OD	ID1
ZN	CMMP676Z	1.23	0.56	mm	38	79	6
				in	1.5	3.1	0.25
ZN	CMMP677Z	Contact us for more info		mm	49	112	7
				in	1.9	4.4	0.28

PLEASURECRAFT

HULL ANODES

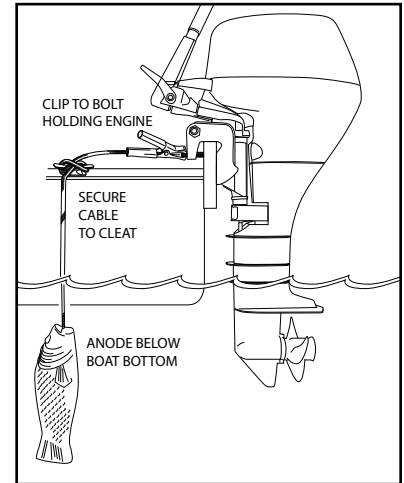
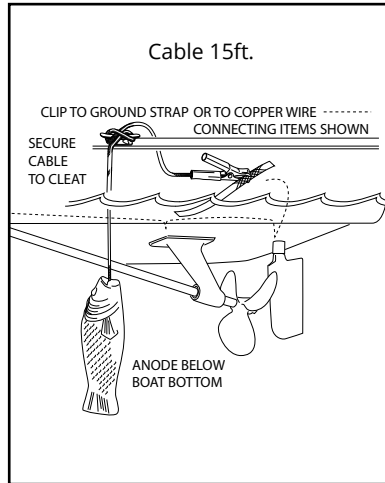
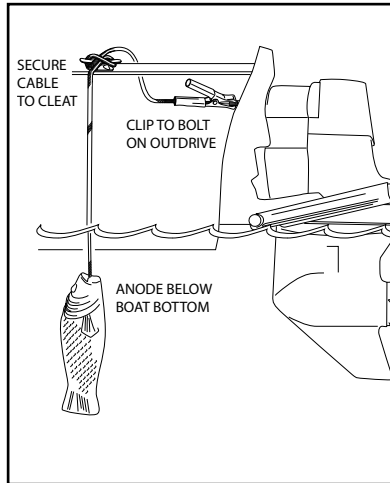
GROUPER



	PID	LB	KG	L	W	H	
ZN	CMGROUPERZ	5.93	2.69	mm	205	78	40
AL	CMGROUPERA	2.69	1.22				
MG	CMGROUPERM	2.09	0.95	in	8	3	1.6



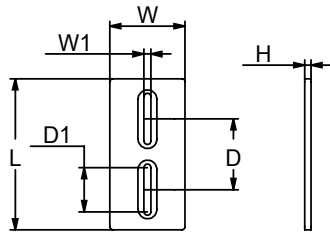
*** IMPORTANT* Do not connect to battery**



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

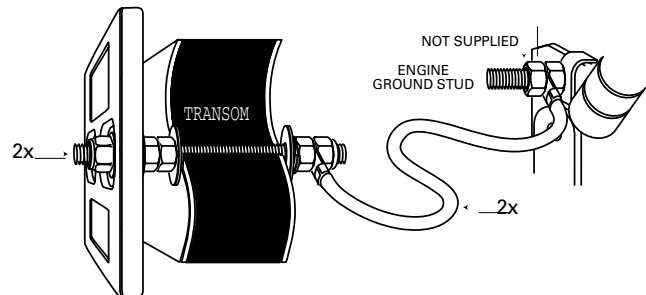
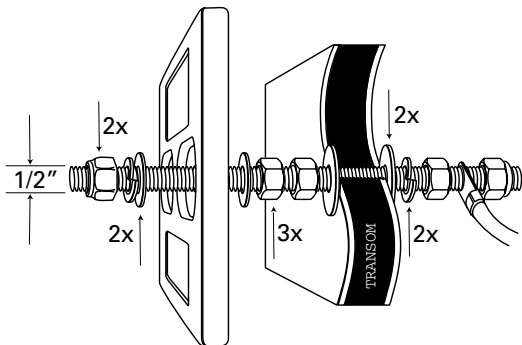
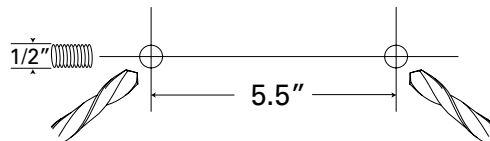
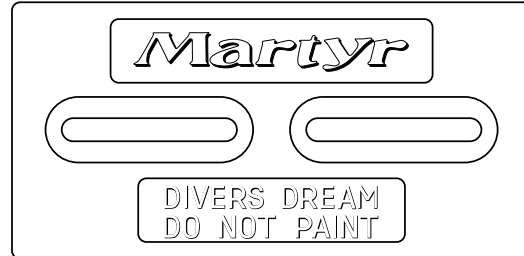
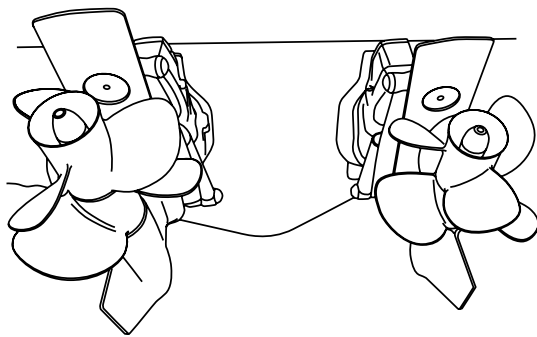
BONDING KIT | hardware included

	PID	LB	KG		L	W	W1	H	D	D1
AL	CMDIVERBONDA	4	1.82	mm	305	152	13	13	140	89
				in	12	6	0.5	0.5	5.5	3.5



Please Note: It is strongly recommended that this anode kit be installed by a certified marine technician.

Legal Disclaimer: CMP is not liable for any damages resulting from improper installation of this kit and its contents.

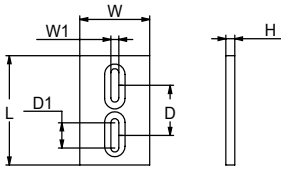


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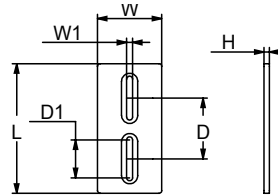
HULL ANODES



	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMDIVERMINIZ	2.25	1.02	mm	150	99	13	69	35	11
AL	CMDIVERMINIA	0.87	0.40							
MG	CMDIVERMINIM	0.68	0.31	in	5.9	3.9	0.5	2.7	1.36	0.44

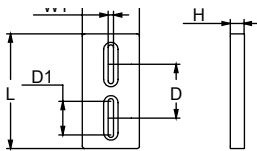


	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMDIVERZ	8.00	3.6	mm	304	152	13	140	89	13
AL	CMDIVERA	3.25	1.48							
MG	CMDIVERM	2.50	1.14	in	12	6	0.5	5.5	3.5	0.5



	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMDIVERHZ	14.52	6.60	mm	304	152	25	140	89	13
AL	CMDIVERHA	6.12	2.78							
MG	CMDIVERHM	4.46	2.03	in	12	6	1	5.5	3.5	0.5

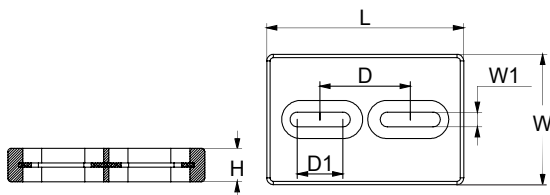
DOUBLE THE WEIGHT OF CMDIVER



NEW

	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMDIVERMINIHZ	4.65	2.11	mm	5.9	3.9	1.0	2.7	1.36	0.44
AL	CMDIVERMINIHA	1.96	0.89							
MG	CMDIVERMINIHM	1.37	0.62	in	19.35	12.79	3.28	8.85	4.46	1.44

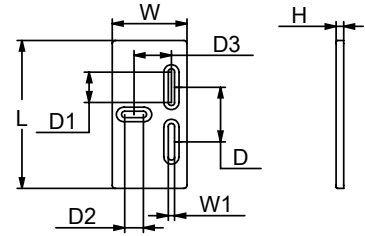
**Bolt-On DiverMini Heavy Plate
DOUBLE THE WEIGHT OF CMDIVERMINI**



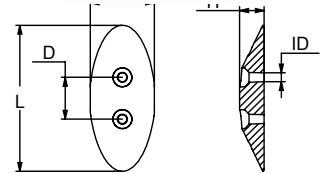
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HULL ANODES

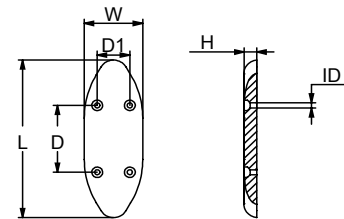
	PID	LB	KG		L	W	W1	H	D	D1	D2	D3
ZN	CMZ10Z	9.90	4.50	mm	304	152	13	13	114	64	36	76
AL	CMZ10A	4.00	1.81									
MG	CMZ10M	3.10	1.41	in	12	6	0.5	0.6	1.5	2.5	1.42	3



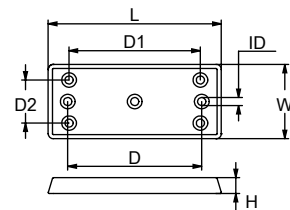
	PID	LB	KG		L	W	H	D	ID
ZN	CMM24Z	0.53	0.24	mm	111	49	18	32	6
AL	CMM24A	0.21	0.09						
MG	CMM24M	0.13	0.06	in	4.36	1.92	0.7	1.25	0.25



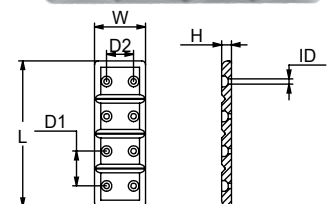
	PID	LB	KG		L	W	H	D	D1	ID
ZN	CMM25Z	3.92	1.78	mm	231	83	18	98	46	7
AL	CMM25A	1.52	0.69							
MG	CMM25M	0.98	0.44	in	9.08	3.25	0.72	3.86	1.81	0.29



	PID	LB	KG		L	W	H	ID	D	D1	D2
ZN	CMM30Z	1.9	0.86	mm	152	68	14	6	121	117	40
AL	CMM30A	0.74	0.34								
MG	CMM30M	0.48	0.22	in	6	2.67	0.56	0.25	4.75	4.63	1.58

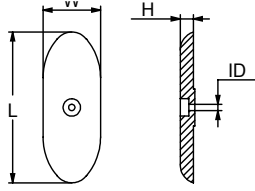


	PID	LB	KG		L	W	H	D1	D2	ID
ZN	CMM40Z	2.08	0.95	mm	186	66	13	44	35	7
AL	CMM40A	0.81	0.37							
MG	CMM40M	0.52	0.26	in	7.3	2.6	0.5	1.75	1.38	0.25

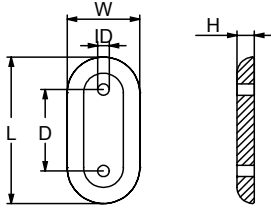


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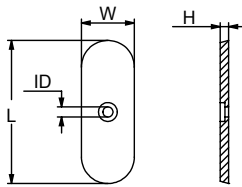
HULL ANODES



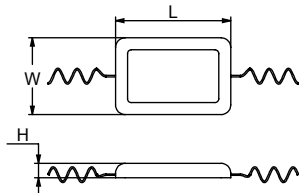
	PID	LB	KG		L	W	H	ID
ZN	CMMZ404Z	3.42	1.55	mm	224	86	19	10
AL	CMMZ404A	1.33	0.60					
MG	CMMZ404M	0.86	0.39	in	8.8	3.38	0.75	0.38



	PID	LB	KG		L	W	H	D	ID
ZN	CMMZC406Z	6.75	3.07	mm	229	112	25	127	13
AL	CMMZC406A	2.62	1.19						
MG	CMMZC406M	1.69	0.77	in	9	4.4	1	5	0.5



	PID	LB	KG		L	W	H	ID
ZN	CMN1Z	2.60	1.19	mm	216	80	13	10
AL	CMN1A	1.01	0.46					
MG	CMN1M	0.78	0.35	in	8.5	3.16	0.5	0.41



	PID	LB	KG		L	W	H
ZN	CMPMWZ	2.00	0.91	mm	114	64	17
AL	CMPMWA	0.78	0.35				
MG	CMPMWM	0.60	0.27	in	4.5	2.5	0.65
ZN	CMPNWZ	3.25	1.48	mm	152	76	19
AL	CMPNWA	1.26	0.57				
MG	CMPNWM	0.97	0.44	in	6	3	0.75
ZN	CMPOWZ	4.38	1.99	mm	152	102	19
AL	CMPOWA	1.70	0.77				
MG	CMPOWM	1.15	0.52	in	6	4	0.75
ZN	CMPPWZ	2.08	0.95	mm	229	127	20
AL	CMPPWA	0.81	0.37				
MG	CMPPWM	0.55	0.25	in	9	5	0.8

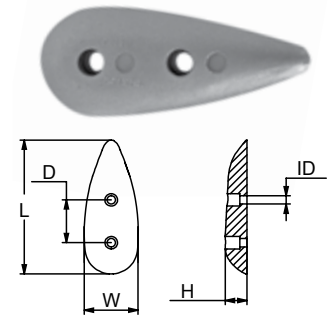


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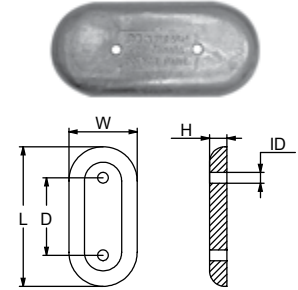
HULL ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	CMT20Z	0.38	0.17	mm	86	46	15	33	6
AL	CMT20A	0.15	0.07						
MG	CMT20M	0.10	0.05	in	3.4	1.8	0.6	1.28	0.25
ZN	CMT21Z	1.00	0.45	mm	129	51	21	41	8
AL	CMT21A	0.39	0.18						
MG	CMT21M	0.26	0.12	in	5	2	0.8	1.63	0.31

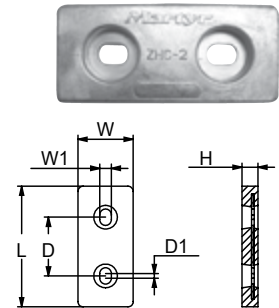
UPC



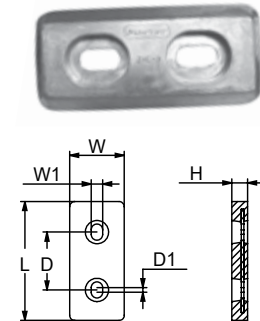
	PID	LB	KG		L	W	H	D	ID
ZN	CMZ24BSZ	23.00	10.44	mm	356	159	32	127	13
AL	CMZ24BSA	8.94	4.06						
MG	CMZ24BSM	5.75	2.61	in	14	6.25	1.25	5	0.5



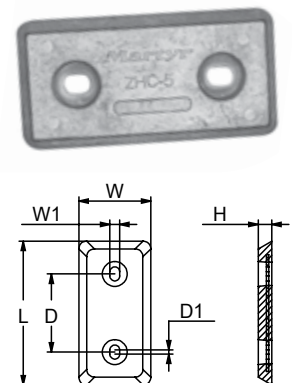
	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC2Z	2.19	0.99	mm	146	64	13	19	71	6
AL	CMZHC2A	0.85	0.39							
MG	CMZHC2M	0.55	0.25	in	5.75	2.65	0.5	0.75	2.78	0.25



	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC3Z	1.90	0.86	mm	159	70	14	19	65	15
AL	CMZHC3A	0.74	0.34							
MG	CMZHC3M	0.48	0.22	in	6.25	2.75	0.54	0.75	2.57	0.57

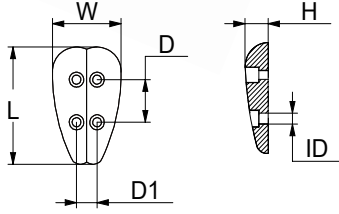


	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC5Z	4.50	2.05	mm	203	102	14	19	110	6
AL	CMZHC5A	1.75	0.79							
MG	CMZHC5M	1.13	0.51	in	8	4	0.55	0.76	4.35	0.23



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

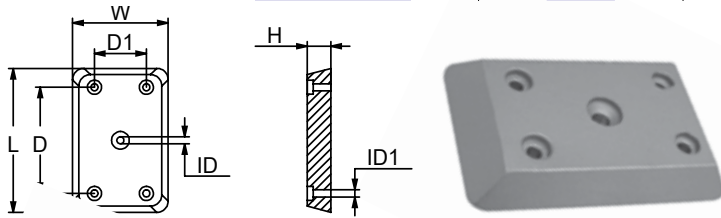
HULL ANODES



ZN

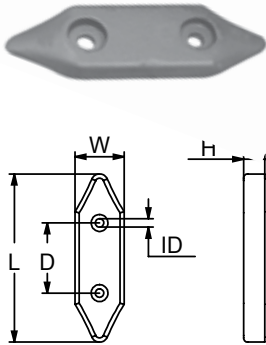
PID	LB	KG		L	W	W1	H	D	D1
CMAC073Z	1.10	0.50	mm	110	67	21	39	27	6
			in	4.3	2.6	0.8	1.54	1.1	0.22

PID	LB	KG		L	W	H	D	D1	ID	ID1
CMPO029Z	2.20	1.00	mm	122	81	20	69	35	9	6
			in	4.8	3.2	0.8	2.7	1.38	0.33	0.24



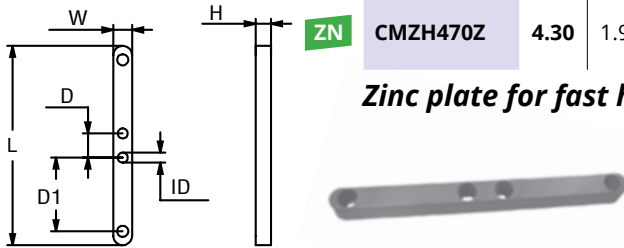
PID	LB	KG		L	W	H	D	ID
CMCH006Z	0.40	0.18	mm	120	35	10	51	7
			in	4.7	1.4	0.4	2	0.28

CHRYSLER SERIES



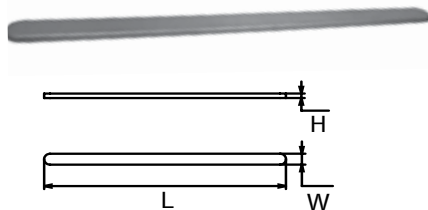
PID	LB	KG		L	W	H	D	D1
CMZH470Z	4.30	1.95	mm	395	37	30	48	145
			in	15.5	1.5	1.2	1.9	5.7

Zinc plate for fast hulls



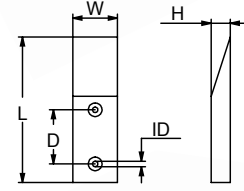
PID	LB	KG		L	W	H
CMZH058Z	Contact us for more info		mm	910	45	12
			in	35.7	1.7	0.5
CMZH058NZ			mm	900	50	12
			in	35.7	1.9	0.5

Zinc plate for hydrofoil and fast hulls

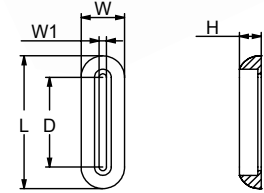


HULL ANODES

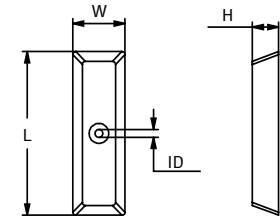
	PID	LB	KG		L	W	H	D	ID
ZN	CMPL505Z	4.08	1.85	mm	210	70	25	80	18
				in	8.27	2.76	0.98	3.1	0.71



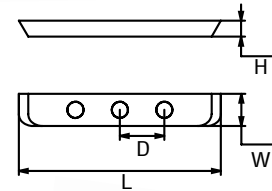
	PID	LB	KG		L	W	W1	H	D
ZN	SGFL501Z	2.91	1.32	mm	200	65	12	35	98
AL	SGFL501A	1.46	0.66						
MG	SGFL501M	1.06	0.48	in	7.9	1.6	1	2.4	3.85



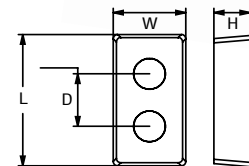
	PID	LB	KG		L	W	H
ZN	CMZH479Z	10.10	4.60	mm	245	80	40
				in	9.6	3.1	1.6



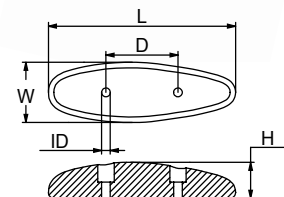
	PID	LB	KG		L	W	H	D
ZN	CMZH494Z	20.30	9.20	mm	500	80	40	160
				in	19.6	3.1	1.6	6.3



	PID	LB	KG		L	W	H	D
ZN	CMZH504Z	5.95	2.70	mm	150	80	40	60
				in	5.9	3.1	1.6	2.4

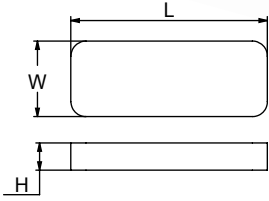


	PID	LB	KG		L	W	H	D	ID
ZN	SGAO072Z	1.10	0.50	mm	130	41	25	50	6
AL	SGAO072A	0.42	0.19						
MG	SGAO072M	0.26	0.12	in	5.12	1.63	0.97	1.97	0.24

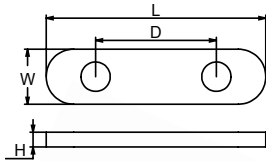


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

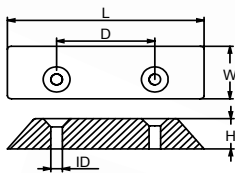
HULL ANODES



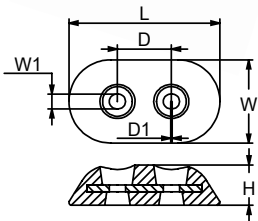
	PID	LB	KG		L	W	H
ZN	CMFL075Z	1.54	0.70	mm	130	50	18
				in	5.12	1.97	0.71
ZN	CMFL074Z	3.31	1.50	mm	150	70	20
				in	5.91	2.76	0.79
ZN	CMFL076Z	2.43	1.10	mm	110	70	20
				in	4.33	2.76	0.79
ZN	CMRF104Z	16.76	7.60	mm	300	150	25
				in	11.8	5.91	1
ZN	CMZH480Z	14.11	6.40	mm	300	150	20
				in	11.8	5.91	0.79



	PID	LB	KG		L	W	D	H
ZN	CMSH505Z	15.4	7	mm	450	90	230	40
				in	17.7	3.54	9.06	1.57

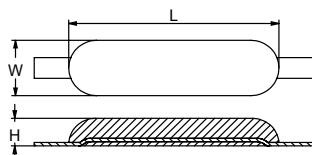


	PID	LB	KG		L	W	H	D	ID
ZN	SGPL356Z	0.88	0.40	mm	120	34	20	60	7
				in	4.72	1.34	0.79	2.36	0.28
ZN	SGPL576Z	1.44	0.66	mm	175	34	20	100	7
				in	6.89	1.34	0.79	3.94	0.28



	PID	LB	KG		L	W	W1	D	D1	H
ZN	SGPL355Z	1.52	0.69	mm	115	65	11	40	1	30
				in	4.53	2.56	0.43	1.57	0.04	1.18

	PID	LB	KG		L	W	D	H	ID
ZN	SGPL573Z	4.85	2.2	mm	175	90	80	25	13
				in	6.9	3.54	3.15	1	0.51
ZN	SGPL572Z	7.96	3.61	mm	200	110	130	30	14
				in	7.87	4.33	5.12	1.18	0.55

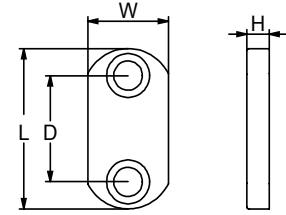


	PID	LB	KG		L	W	H
ZN	SGSH16Z	11.22	5.09	mm	300	80	40
AL	SGSH16A	4.94	2.24				
MG	SGSH16M	3.53	1.60	in	11.8	3.15	1.57
ZN	SGSH25Z	19.38	8.79	mm	320	147	40
AL	SGSH25A	8.07	3.66				
MG	SGSH25M	5.51	2.50	in	12.6	5.79	1.57

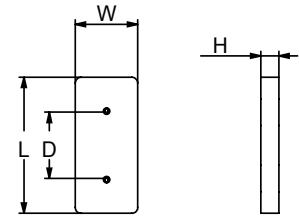
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

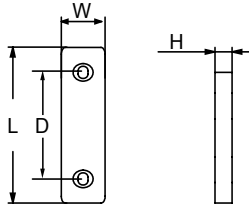
	PID	LB	KG		L	W	H	D
ZN	SGVT070	1.98	0.90	mm	147	60	25	80
				in	5.79	2.36	1	3.15
ZN	SGVT507	5.73	2.60	mm	290	53	30	200
				in	11.4	2.1	1.18	7.87
ZN	SGVT240	5.07	2.30	mm	250	62	30	140
				in	9.84	2.44	1.18	5.51
	PID	LB	KG		L	W	H	D
ZN	SGVT695	11.02	5.00	mm	350	75	35	200
				in	13.8	3	1.4	7.87



	PID	LB	KG		L	W	H	D
ZN	CMPL078Z	0.57	0.26	mm	100	50	10	50
				in	3.94	1.97	0.39	1.97
ZN	CMPL419Z	6.17	2.80	mm	200	100	20	110
				in	7.87	3.94	0.79	4.33
ZN	CMPL400Z	2.78	1.26	mm	150	60	25	80
AL	CMPL400A	1.28	0.58	in	5.90	2.36	0.98	3.15
MG	CMPL400M	0.92	0.42					
ZN	CMPL401Z	4.49	2.04	mm	180	75	25	115
AL	CMPL401A	1.96	0.89	in	7.08	2.95	0.98	4.53
MG	CMPL401M	1.41	0.64					
ZN	CMPL378Z	1.36	0.62	mm	120	50	20	75
AL	CMPL378A	0.70	0.32	in	4.72	1.97	0.79	2.95
MG	CMPL378M	0.55	0.25					
ZN	CMFL075FZ	1.54	0.70	mm	130	50	18	77
				in	5.12	1.97	0.71	3.03
ZN	CMFL076FZ	2.00	0.91	mm	110	70	20	40
AL	CMFL076FA	0.88	0.4	in	4.33	2.75	0.79	1.57
MG	CMFL076FM	0.62	0.28					
ZN	CMPL357Z	5.47	2.48	mm	220	60	30	160
AL	CMPL357A	2.09	0.95	in	8.66	2.36	1.18	6.29
MG	CMPL357M	1.32	0.60					
ZN	CMFL465Z	3.31	1.50	mm	145	67	20	70
				in	5.71	2.64	0.79	2.76
ZN	CMPL574Z	3.44	1.56	mm	190	55	25	75
AL	CMPL574A	1.49	0.68	in	7.48	2.16	0.98	2.95
MG	CMPL574M	1.04	0.47					
ZN	CMZH054Z	11.02	5.00	mm	300	80	28	180
				in	11.8	3.15	1.1	7.09
ZN	CMRF484Z	17.64	8.00	mm	300	150	25	160
				in	11.8	5.91	1	6.3

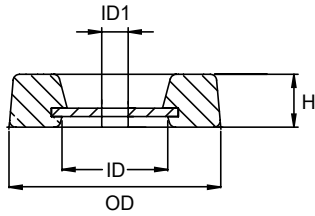


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



HULL ANODES

	PID	LB	KG		L	W	H	D
ZN	CMSH090Z	6.61	3.00	mm	300	60	33	200
				in	11.8	2.36	1.3	7.87
ZN	CMSH091Z	11.00	5.00	mm	330	80	35	200
				in	13	3.15	1.38	7.87
ZN	CMSH125Z	19.84	9.00	mm	440	88	40	230
				in	17.3	3.46	1.57	9.06
ZN	CMSH126Z	26.46	12.00	mm	445	92	50	230
				in	17.5	3.62	1.97	9.06
ZN	CMSH127Z	30.86	14.00	mm	455	98	55	230
				in	17.9	3.86	2.17	9.06



Bolt-On Rudder Plate

RP SERIES RUDDER ANODES

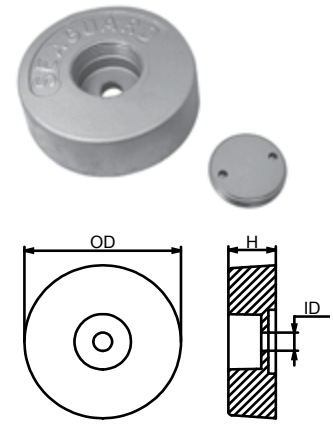
NEW

	PID	LB	KG		H	OD	ID	ID1
ZN	CMRP4Z	2.24	1.016	mm	25	100	50	12.5
				in	0.98	3.94	1.96	0.49
AL	CMRP4A	1.01	0.457	mm	25	100	50	12.5
				in	0.98	3.94	1.96	0.49
MG	CMRP4M	0.72	0.33	mm	25.4	125	28	10
				in	1	4.92	1.10	0.39
ZN	CMRP5Z	4.40	2	mm	25.4	125	28	10
				in	1	4.92	1.10	0.39
AL	CMRP5A	1.89	0.86	mm	25.4	125	28	10
				in	1	4.92	1.10	0.39
MG	CMRP5M	1.32	0.6	mm	25.4	125	28	10
				in	1	4.92	1.10	0.39
ZN	CMRP6SZ	5.85	2.656	mm	25.4	146	32	14.5
				in	1	5.75	1.26	0.57
AL	CMRP6SA	2.45	1.111	mm	25.4	146	32	14.5
				in	1	5.75	1.26	0.57
MG	CMRP6SM	1.67	0.759	mm	25.4	146	32	14.5
				in	1	5.75	1.26	0.57
ZN	CMRP6Z	8.82	4	mm	38	146	32	14.5
				in	1.49	5.75	1.26	0.57
AL	CMRP6A	3.59	1.627	mm	38	146	32	14.5
				in	1.49	5.75	1.26	0.57
MG	CMRP6M	2.39	1.087	mm	38	146	32	14.5
				in	1.49	5.75	1.26	0.57
ZN	CMRP7Z	7.83	3.55	mm	25	168	40	12
				in	0.98	6.61	1.57	0.47
AL	CMRP7A	3.15	1.43	mm	25	168	40	12
				in	0.98	6.61	1.57	0.47
MG	CMRP7M	2.08	0.946	mm	25	168	40	12
				in	0.98	6.61	1.57	0.47
ZN	CMRP8Z	11.50	5.22	mm	26	197	20	12
				in	1.02	7.75	0.79	0.47
AL	CMRP8A	4.56	2.07	mm	26	197	20	12
				in	1.02	7.75	0.79	0.47
MG	CMRP8M	2.98	1.353	mm	26	197	20	12
				in	1.02	7.75	0.79	0.47
ZN	CMRP9Z	14.92	6.77	mm	25.4	222.3	14	12
				in	1	8.75	0.55	0.47
AL	CMRP9A	5.87	2.666	mm	25.4	222.3	14	12
				in	1	8.75	0.55	0.47
MG	CMRP9M	3.81	1.73	mm	25.4	222.3	14	12
				in	1	8.75	0.55	0.47

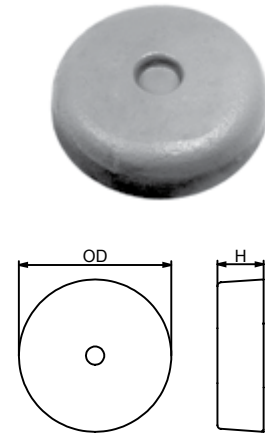
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

ROUND PLATE ANODES **NEW**

	PID	LB	KG		OD	ID	H
NEW ZN	SGBA001Z	5.58	2.53	mm	125	52	38
				in	4.92	2.05	1.49
NEW AL	SGBA001A	2.18	0.99	mm	125	15	38
				in	4.92	0.59	1.50
NEW MG	SGBA001M	1.52	0.69	mm	125	15	38
				in	4.92	0.59	1.50
ZN	SGBA506Z	8.14	3.69	mm	140	16	40
				in	5.51	0.63	1.57
NEW AL	SGBA506A	3.50	1.59	mm	140	16	40
				in	5.5	0.63	1.57
NEW MG	SGBA506M	2.45	1.11	mm	140	16	40
				in	5.5	0.63	1.57
ZN	SGBA597Z	11.79	5.35	mm	200	17	25
				in	7.87	0.67	0.98
AL	SGBA597A	5.11	2.32	mm	200	17	25
				in	7.87	0.67	0.98
MG	SGBA597M	3.5	1.60	mm	200	17	25
				in	7.87	0.67	0.98



	PID	LB	KG		H	OD
NEW ZN	CMF90BZ	2.23	1.01	mm	25	90
AL	CMF90BA	0.86	0.39		in	1
MG	CMF90BM	0.55	0.25			



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PLEASURECRAFT

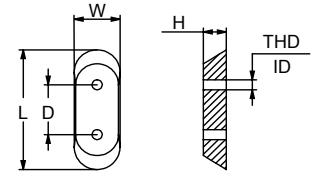
**IN-BOARD/
OUTBOARD/
STERNDRIVE
ANODES**

BRP™ OMC/JOHNSON EVINRUDE ANODES

	PID	LB	KG		L	W	H	D	THD	ID
ZN	CM123009Z	0.19	0.09	mm	61	23	12	26	10-24 UNC	--
AL	CM123009A	0.07	0.03							
MG	CM123009M	0.05	0.02	in	2.4	0.9	0.45	1		
ZN	CM327606Z	0.18	0.08	mm	61	23	12	26	--	0.2
AL	CM327606A	0.07	0.03							
MG	CM327606M	0.04	0.02	in	2.4	0.9	0.45	1		5.1

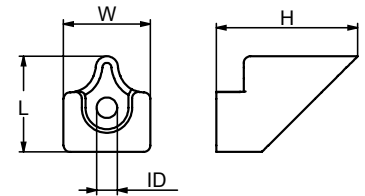
ENGINES 70-90 HP

JOHNSON 2-150 HP



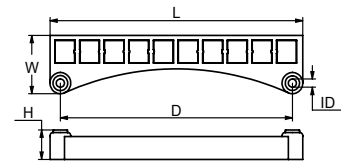
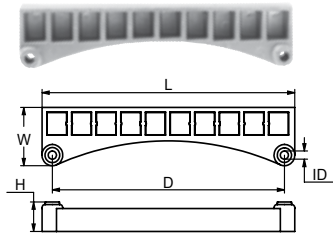
	PID	LB	KG		L	W	H	ID
ZN	CM334451Z	0.24	0.11	mm	33	29.8	48.5	6.9
AL	CM334451A	0.09	0.04					
MG	CM334451M	0.05	0.023	in	1.3	1.17	1.91	0.27

JOHNSON 4 - 7,5 HP EVINRUDE 4 - 7,5 HP



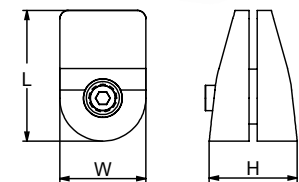
	PID	LB	KG		L	W	H	D	ID
ZN	CM367Z	0.95	0.43	mm	193	43	22	179	6.4
AL	CM367A	0.37	0.1						
MG	CM367M	0.24	0.11	in	7.6	1.7	0.87	7.05	0.25

OMC P



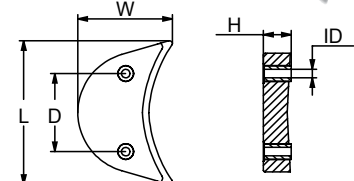
	PID	LB	KG		L	W	H
ZN	CM389999Z	0.5	0.23	mm	48	31	32.5
AL	CM389999A	0.19	0.09				
MG	CM389999M	0.13	0.06	in	1.9	1.23	1.28

SAILDRIVE



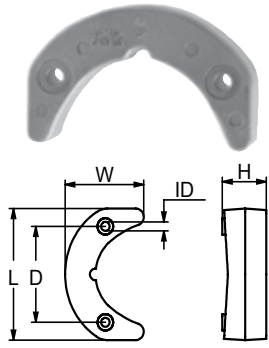
	PID	LB	KG		L	W	H	D	ID
ZN	CM392123Z	1.67	0.76	mm	120	76	22	63.5	6.9
AL	CM392123A	0.65	0.29						
MG	CM392123M	0.42	0.19	in	4.7	3	0.88	2.5	0.27

OMC 90 - 140 HP JOHNSON 90 - 140 HP EVINRUDE 90 - 140 HP



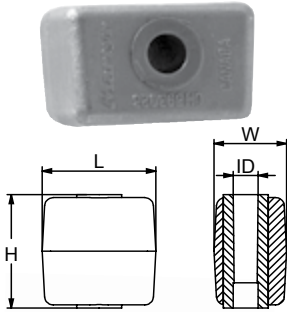
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

BRP™ OMC/JOHNSON EVINRUDE ANODES



	PID	LB	KG		L	W	H	D	ID
ZN	CM392462Z	1.44	0.65	mm	102	64	36	74	6.9
AL	CM392462A	0.56	0.25						
MG	CM392462M	0.36	0.16	in	4	2.5	1.4	2.9	0.27

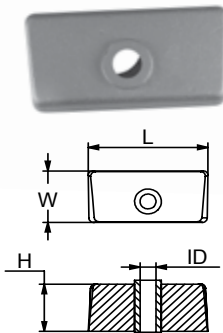
OMC 50 - 75 HP JOHNSON 50 - 75 HP EVINRUDE 50 - 75 HP



	PID	LB	KG		L	W	H	ID
ZN	CM393023Z	0.48	0.22	mm	40	25	41	8.1
AL	CM393023A	0.19	0.09					
MG	CM393023M	0.12	0.05	in	1.6	1	1.63	0.32

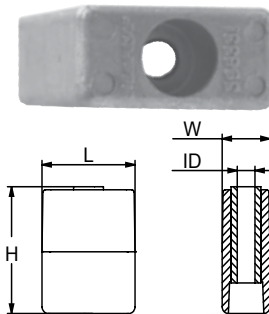
(Supercedes to CM436705)

**OMC 50 - 60 - 70 - 90 - 140 HP JOHNSON 50 - 115 - 120 - 140 HP
EVINRUDE 50-140 - 200 HP**



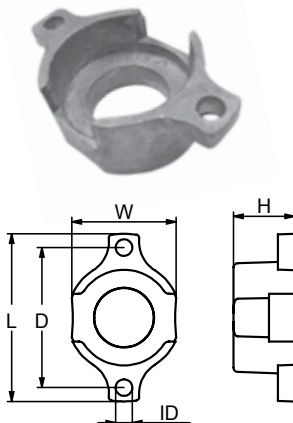
	PID	LB	KG		L	W	H	ID
ZN	CM397768Z	0.68	0.31	mm	64	31	28	8.1
AL	CM397768A	0.26	0.12					
MG	CM397768M	0.17	0.08	in	2.5	1.2	1.1	0.32

OMC COBRA



	PID	LB	KG		L	W	H	ID
ZN	CM398331Z	0.73	0.33	mm	45	23	57	8.1
AL	CM398331A	0.28	0.13					
MG	CM398331M	0.18	0.08	in	1.75	0.9	2.25	0.32

JOHNSON 160 - 280 HP (V4 - V6) EVINRUDE



	PID	LB	KG		L	W	H	D	ID
ZN	CM398873Z	0.33	0.15	mm	76	48	27.9	64.5	7.6
AL	CM398873A	0.13	0.06						
MG	CM398873M	0.08	0.04	in	3	1.9	1.1	2.54	0.3

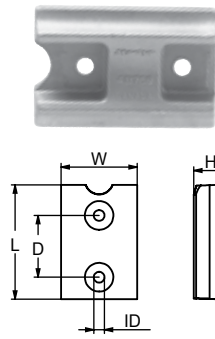
JOHNSON 737

BRP™ OMC/JOHNSON EVINRUDE ANODES

Martyr

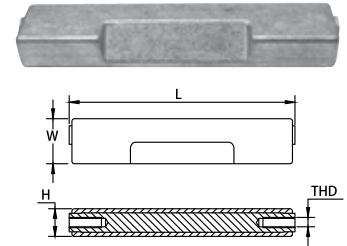
	PID	LB	KG		L	W	H	D	ID
ZN	CM431708Z	0.6	0.27	mm	75.8	50.8	23	41	6.9
AL	CM431708A	0.23	0.10						
MG	CM431708M	0.15	0.07	in	3	2	0.9	1.6	0.27

JOHNSON - EVINRUDE - DIABOLO 70 - 120 HP

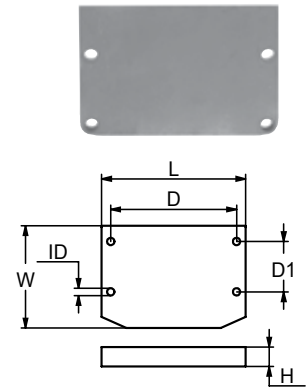


	PID	LB	KG		L	W	H	THD
ZN	CM5007089Z	1.5	0.68	mm	174.24	34.79	21.33	5/16-18 UNC
AL	CM5007089A	0.68	0.31					
MG	CM5007089M	0.5	0.22	in	6.86	1.37	0.84	

(CM433580Z) JOHNSON - EVINRUDE 60/ 300 HP

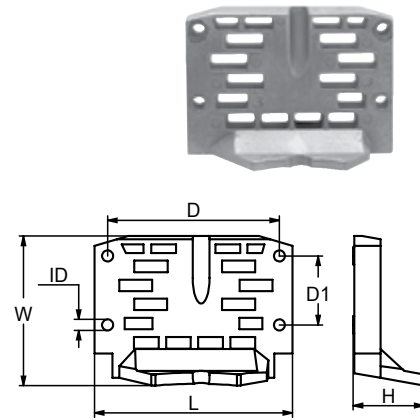


	PID	LB	KG		L	W	H	D	D1	ID
ZN	CM980756Z	2.11	0.96	mm	117	80	16	102	41	7
AL	CM980756A	0.82	0.37							
MG	CM980756M	0.53	0.24	in	4.6	3.2	0.6	4	1.6	0.28



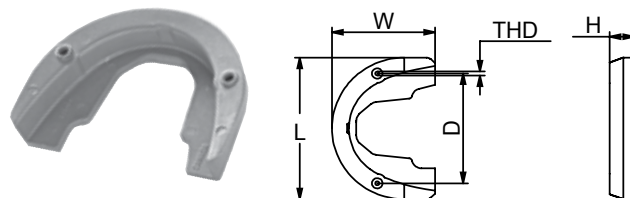
	PID	LB	KG		L	W	H	D	D1	ID
ZN	CM982277Z	1.87	0.85	mm	117	85	41	102	41	7
AL	CM982277A	0.72	0.33							
MG	CM982277M	0.47	0.21	in	4.6	3.33	1.6	4	1.6	0.28

OMC M (100-245 HP)



	PID	LB	KG		L	W	H	D	THD
ZN	CM983494Z	1.81	0.82	mm	146	104	25	113	¼-20 UNC
AL	CM983494A	0.7	0.32						
MG	CM983494M	0.45	0.20	in	5.72	4.09	0.98	4.44	

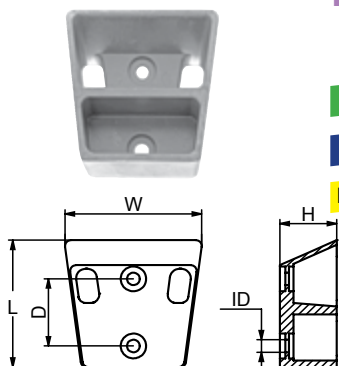
OMC 90 HP



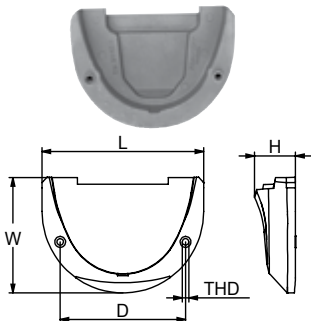
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

BRP OMC/JOHNSON EVINRUDE™ ANODES

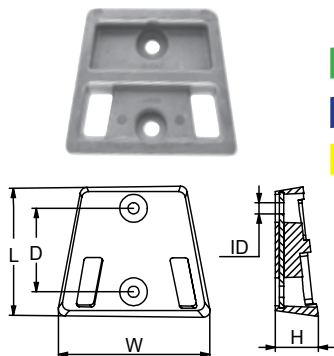
BRP™ OMC/JOHNSON EVINRUDE ANODES



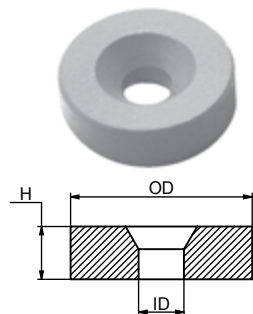
	PID	LB	KG		L	W	H	D	ID
ZN	CM983952Z	2.44	1.1	mm	107	112	46.5	57.2	10.5
AL	CM983952A	0.95	0.43						
MG	CM983952M	0.67	0.3	in	4.2	4.4	1.8	2.25	0.4

OMC COBRA 130- 385 HP

	PID	LB	KG		L	W	H	D	THD
ZN	CM984513Z	2.14	0.97	mm	145	104	40.6	113	¼-20 UNC
AL	CM984513A	0.83	0.38						
MG	CM984513M	0.59	0.27	in	5.7	4.1	1.6	4.44	



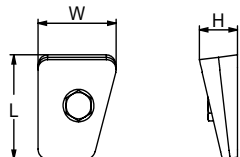
	PID	LB	KG		L	W	H	D	ID
ZN	CM984547Z	2	0.91	mm	97	115	32	57	10
AL	CM984547A	0.78	0.35						
MG	CM984547M	0.50	0.23	in	3.8	4.5	1.24	2.25	0.38

OMC COBRA BASSA

	PID	LB	KG		OD	H	ID
ZN	CM5031705Z	0.04	0.02	mm	24	7	7
				in	0.9	0.3	0.26

HONDA 8/20HP

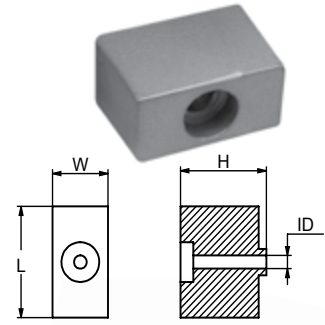
	PID	LB	KG		L	W	H
ZN	CM434029Z	0.42	0.19	mm	50	42	24
				in	2	1.7	0.94

DOUBLE PLATE**JOHNSON 521 20 - 25 HP 1991 EVINRUDE 20 - 25 HP 1991**

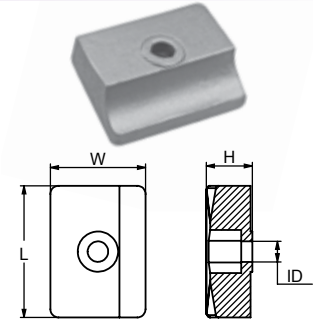
BRP™ OMC/JOHNSON EVINRUDE ANODES

	PID	LB	KG		L	W	H	ID
ZN	CM395780Z	0.44	0.2	mm	42	22	31	8
				in	2	1.6	1.3	0.31

PLATE 60-280HP

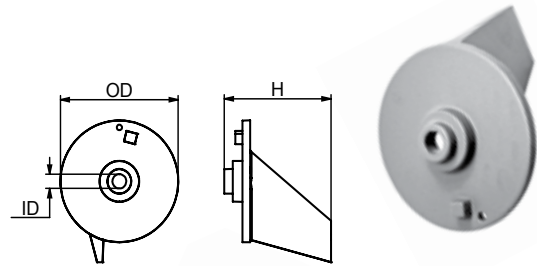


	PID	LB	KG		L	W	H	ID
ZN	CM338635Z	0.12	0.06	mm	36	26	13	6
				in	1.4	1	0.5	0.22

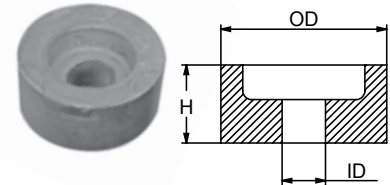
DOUBLE PLATE OUTBOARD 9,9-15CV
JOHNSON 8 - 9,9 - 15 HP

	PID	LB	KG		OD	H	ID
ZN	CM5032929Z	0.54	0.25	mm	73	66	9
				in	2.9	2.6	0.33

EVINRUDE 70 HP 4T

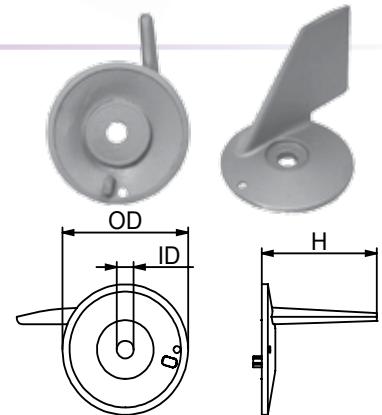


	PID	LB	KG		OD	H	ID
ZN	CM5532187J00Z	0.03	0.01	mm	21	10	6
AL	CM5532187J00A	0.01	0.01				
MG	CM5532187J00M	0.01	0.01	in	0.83	0.39	0.24

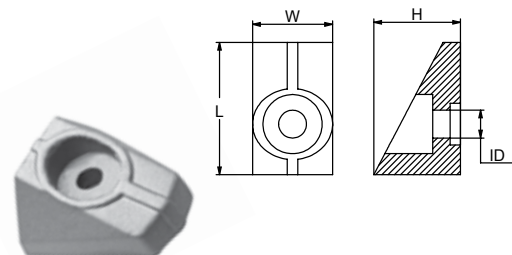


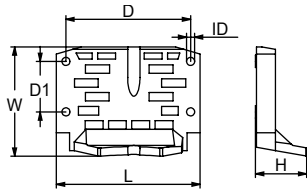
	PID	LB	KG		OD	H	ID
ZN	CM5512595500Z	0.35	0.16	mm	62	57	9
				in	2.4	2.24	0.33

SUZUKI 75 - 85 - 90 HP



	PID	LB	KG		L	W	H	ID
ZN	CM5532098600Z	0.22	0.1	mm	38	40	23	6
				in	0.8	1.57	0.9	0.25

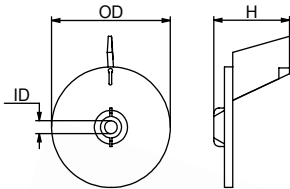
SUZUKI F.B.
5 HPRemember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



BRP™ OMC/JOHNSON EVINRUDE ANODES

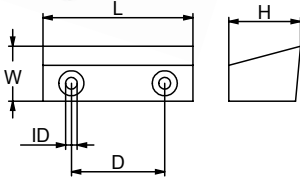
	PID	LB	KG		L	W	H	D	D1	ID
ZN	CM982438Z	2.67	1.21	mm	176	81	40	102	41	7
				in	6.9	3.2	1.6	4	1.6	0.28

OMC 100-245 HP



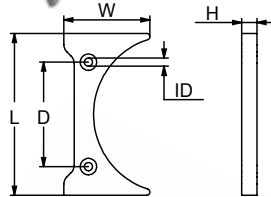
	PID	LB	KG		OD	H	ID
ZN	CM338742Z	0.88	0.4	mm	113	72	11
				in	4.4	2.8	0.43

**REVOLVING FIN FOR IN-OUTBOARD
OMC E.B. - F.B. - 55 HP**



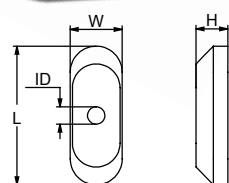
	PID	LB	KG		L	W	H	D	ID
ZN	CM986158Z	1.33	0.6	mm	90	45	43	51	10
				in	3.5	1.77	1.7	2	0.37

OMC COBRA



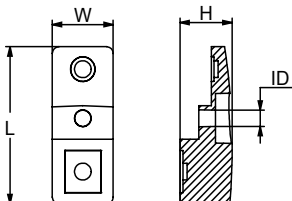
	PID	LB	KG		L	W	H	D	ID
ZN	CM987067Z	1.59	0.72	mm	158	84	15	102	8
				in	6.2	3.3	0.6	4	0.3

OMC5700



	PID	LB	KG		L	W	H	ID
ZN	CM5532098400Z	0.11	0.05	mm	48	18	11	6
				in	1.9	0.7	0.4	0.2

SUZUKI 2 HP



	PID	LB	KG		L	W	H	ID
ZN	CM5532190J01Z	0.19	0.09	mm	55	22	19	6
				in	2.2	0.9	0.7	0.2

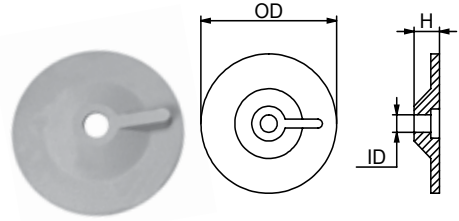
DF 90 - 115 - 140



BRP™ OMC/JOHNSON EVINRUDE ANODES

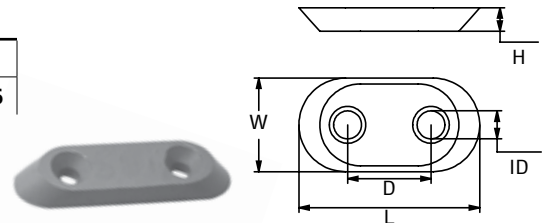
	PID	LB	KG		OD	H	ID
ZN	CM5532193900Z	0.13	0.06	mm	48	9	7
				in	1.9	0.4	0.26

PLATE 9.9-15 HP



	PID	LB	KG		L	W	H	D	ID
ZN	CM5031538Z	0.17	0.08	mm	78	20	10	40	7
				in	3.1	0.79	0.4	1.6	0.26

PLATE 2-8 HP



BRP™ ANODE KITS **NEW**

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMSTRGERKITZ	2.95	1.34	CM983494 X 1 CM393023 X 1 CM431708 X 1	BRP OMC Stringer
AL	CMSTRGERKITA	1.4	0.63		
MG	CMSTRGERKITM	1.07	0.48		

BRP OMC Stringer



	PID	LB	KG	Contains	Fits
ZN	CMCOBRAKITZ	3.69	1.68	CM984513 X 1 CM393023 X 1 CM431708 X 1	BRP OMC COBRA
AL	CMCOBRAKITA	1.65	0.75		
MG	CMCOBRAKITM	1.25	0.57		

BRP OMC COBRA



	PID	LB	KG	Contains	Fits
ZN	CMOMC5075KITZ	2.25	1.02	CM393023 X 1 CM392462 X 1	BRP OMC 50-75HP
AL	CMOMC5075KITA	1.11	0.505		
MG	CMOMC5075KITM	0.89	0.41		

BRP OMC 50-75HP



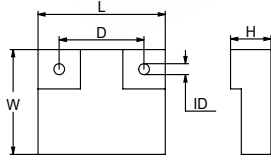
	PID	LB	KG	Contains	Fits
ZN	CMOMCV4V6KITZ	2.45	1.11	CM393023 X 1 CM392123 X 1	BRP OMC V4-V6
AL	CMOMCV4V6KITA	1.17	0.53		
MG	CMOMCV4V6KITM	0.93	0.42		

BRP OMC V4-V6



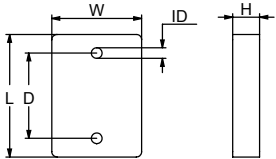
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

BMW™ ANODES

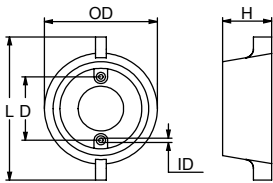


	PID	LB	KG		L	W	H	D	ID
ZN	CMBW175Z	0.71	0.32	mm	60	48	26	40	8
				in	2.4	1.9	1	1.6	0.33

BMW100 MARK1

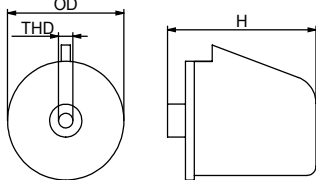
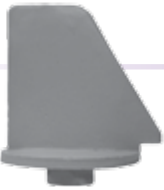


	PID	LB	KG		L	W	H	D	ID
ZN	CMBW499Z	0.74	0.34	mm	69	50	15	48	6
				in	2.7	2	0.6	1.9	0.2



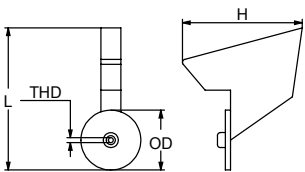
	PID	LB	KG		L	H	D	OD	ID
ZN	CMBW172Z	1.83	0.83	mm	165	54	80	124	8
				in	6.5	2.1	3.15	4.9	0.33

BMW MARK1



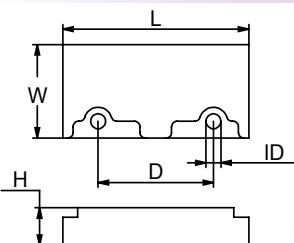
	PID	LB	KG		OD	H	THD
ZN	CMBW173Z	0.73	0.33	mm	65	83	3/8-16 UNC
				in	2.6	3.3	

BMW MARK1



	PID	LB	KG		L	W	OD	THD
ZN	CMBW043Z	1.5	0.68	mm	165	120	65	3/8-16 UNC
				in	6.5	4.7	2.56	

BMW MARK2



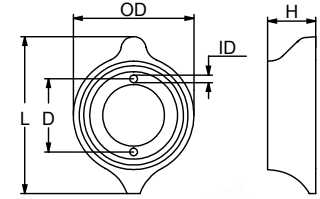
	PID	LB	KG		L	W	H	D	ID
ZN	CMBW044Z	2.07	0.94	mm	119	59	30	62	9
				in	4.69	2.32	1.18	2.44	0.33

BMW MARK2

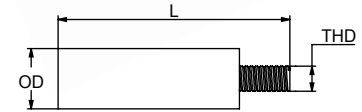


BUKH™ ANODES

	PID	LB	KG		OD	L	H	D	ID
ZN	CMB00E5829Z	1.82	0.83	mm	107	140	43	68	7
AL	CMB00E5829A	0.71	0.32						
MG	CMB00E5829M	0.5	0.23	in	4.2	5.5	1.7	2.66	0.27

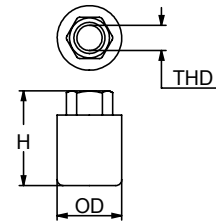
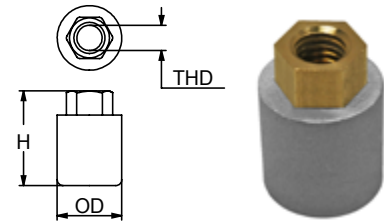


	PID	LB	KG		OD	L	THD
ZN	CMB00E0450Z	0.06	0.03	mm	12	46	M5
AL	CMB00E0450A	0.02	0.01				
MG	CMB00E0450M	0.02	0.01	in	0.5	1.8	

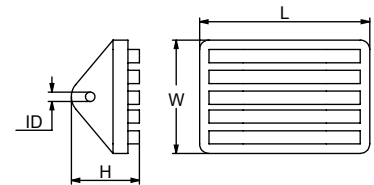


CASTOLDI™ ANODES

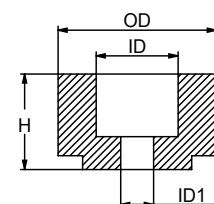
	PID	LB	KG		OD	H	THD
ZN	CM590140552Z	0.14	0.06	mm	22	30	M10
				in	0.9	1.2	



	PID	LB	KG		L	W	H	ID
ZN	CM542150626Z	1.8	0.82	mm	90	60	53	13
				in	3.5	2.4	2.1	0.49
ZN	CM542160824Z	0.94	0.43	mm	120	70	74	14
				in	4.7	2.7	2.9	0.56

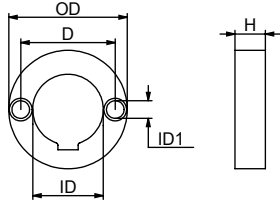


	PID	LB	KG		OD	H	ID	ID1
ZN	CM590163243Z	1.12	0.51	mm	58	35	25	9
				in	2.28	1.38	0.98	0.36
ZN	CM59066209Z	3.3	1.5	mm	80	50	30	10
				in	3.15	1.97	1.18	0.4



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

DUFOUR™ ANODES

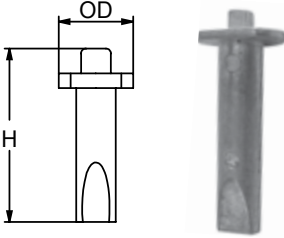


	PID	LB	KG		OD	H	D	ID	ID1
Zn	CMDU22Z	0.2	0.09	mm	47	12	35	27	7
				in	1.8	0.5	1.39	1.06	0.26
Zn	CMDU25Z	0.31	0.14	mm	52	15	39	28	7
				in	2	0.6	1.52	1.1	0.26
Zn	CMDU30Z	0.4	0.18	mm	55	18	43	33	7
				in	2.2	0.7	1.69	1.3	0.26

HIDEA™ ANODES

	PID	LB	KG		OD	H
Zn	CM6J81132500Z	0.03	0.02	mm	16	41
				in	0.63	1.61

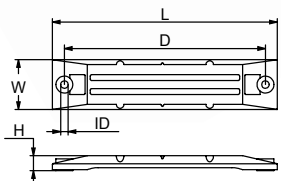
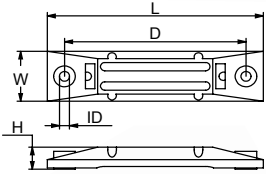
Also apply to Painier



HONDA™ ANODES

	PID	LB	KG		L	W	H	D	ID
Zn	CM06411ZV5Z	0.79	0.36	mm	150	36	16	126	7
Al	CM06411ZV5A	0.31	0.14						
Mg	CM06411ZV5M	0.2	0.09	in	5.9	1.4	0.6	4.9	0.3

40/50 HP



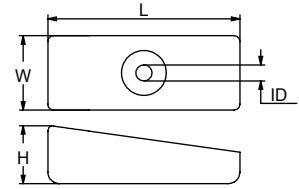
	PID	LB	KG		L	W	H	D	ID
Zn	CM06411ZW1Z	1.83	0.83	mm	226	50	16	202	7
				in	8.8	2	0.6	7.9	0.3
Al	CM06411ZW1A	0.72	0.33	mm	226	50	16	202	7
Mg	CM06411ZW1M	0.47	0.21						

75 / 130 / 225 HP

HONDA™ ANODES

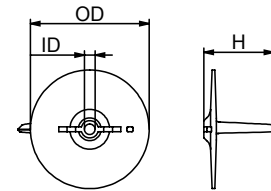
	PID	LB	KG		L	W	H	ID
ZN	CM41109ZW1003Z (CM826134Z)	0.56	0.25	mm	76	30	23	6
AL	CM41109ZW1003A (CM826134A)	0.22	0.1					
MG	CM41109ZW1003M (CM826134M)	0.15	0.07	in	3	1.16	0.9	0.25

75 HP - V6 40/50 /115 EFI 4T

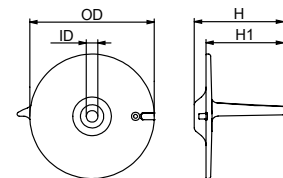


	PID	LB	KG		OD	H	ID
ZN	CM6644537101Z	0.59	0.27	mm	96	57	9
AL	CM6644537101A	0.23	0.1				
MG	CM6644537101M	0.16	0.08	in	3.8	2.2	0.33

MARINER 10 - 50 HP YAMAHA 20 - 25 - 30 - 40- 50 HP

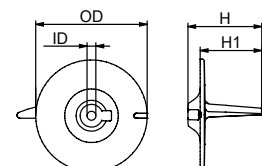


	PID	LB	KG		OD	H	H1	ID
ZN	CM41107ZV500Z	0.63	0.29	mm	95	68	59	8
AL	CM41107ZV500A	0.25	0.11					
MG	CM41107ZV500M	0.17	0.09	in	3.74	2.68	2.33	0.33



	PID	LB	KG		OD	H	H1	ID
ZN	CM41107ZW1B01Z	0.96	0.44	mm	112	75	62	9
AL	CM41107ZW1B01A	0.44	0.20					
MG	CM41107ZW1B01M	0.28	0.13	in	4.4	2.9	2.4	0.33

HONDA 75 - 90 - 115 -130 HP

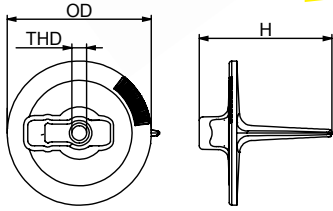


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HONDA™ ANODES

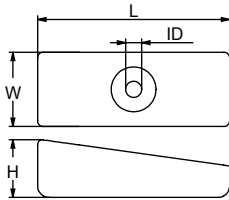


	PID	LB	KG		OD	H	THD
ZN	CM411072ZW1003Z	1	0.45	mm	92	84	7/16 - 14 UNC
AL	CM411072ZW1003A	0.46	0.21				
MG	CM411072ZW1003M	0.3	0.14	in	3.6	3.3	

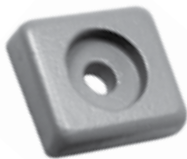
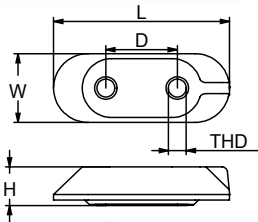


	PID	LB	KG		L	W	H	ID
ZN	CM41109ZW1B00Z	0.49	0.22	mm	71	36	17	6
AL	CM41109ZW1B00A	0.25	0.11					
MG	CM41109ZW1B00M	0.17	0.09	in	2.8	1.4	0.7	

HONDA 75 - 130 - 225 HP

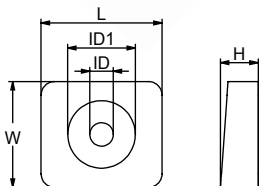


	PID	LB	KG		L	W	H	D	THD
ZN	CM6E04525111Z	0.22	0.1	mm	64	25	14	26	M6
AL	CM6E04525111A	0.09	0.04						
MG	CM6E04525111M	0.05	0.02	in	2.5	1	0.5	1	



	PID	LB	KG		L	W	H	ID	ID1
ZN	CM41106ZW9000Z	2.19	0.99	mm	32	28	10	6	18
				in	1.3	1.1	0.4	0.2	0.7

HONDA 8 - 10 - 15 HP



HONDA™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMHBF75115KITZ	4.27	1.94	CM41107ZW1B01 X1 CM0641ZW1 X1 CM41109ZW1B00 X2	Honda BF75- 90-115
AL	CMHBF75115KITA	1.76	0.8		
MG	CMHBF75115KITM	1.31	0.596		



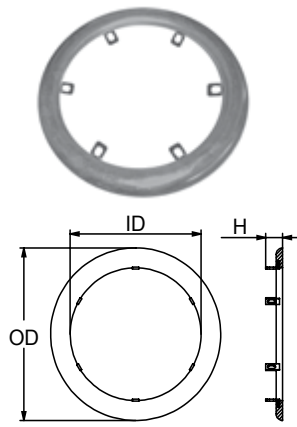
	PID	LB	KG	Contains	Fits
ZN	CMHBF4050KITZ	2.66	1.21	CM41107ZV500 X 1 CM06411ZV5 X 1 CM41109ZW1003 / CM826134 X 2	Honda BF40-50HP OB-Motor
AL	CMHBF4050KITA	1.17	0.53		
MG	CMHBF4050KITM	0.79	0.36		



	PID	LB	KG	Contains	Fits
ZN	CMHBF35225KITZ	2.79	1.27	CM41107ZV500 X 1 CM06411ZV5 X 1 CM41109ZW1003 / CM826134 X 2 CM5532187J00 X 2	Honda BF35-225 Motor
AL	CMHBF35225KITA	1.23	0.56		
MG	CMHBF35225KITM	0.86	0.39		



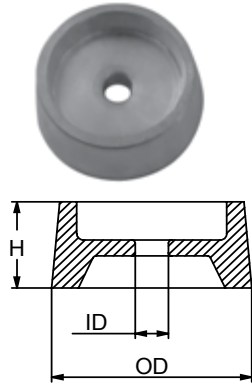
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KAMEWA™ ANODES

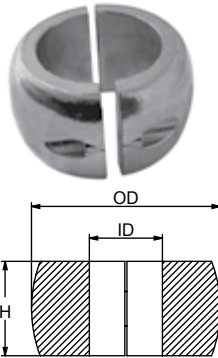
	PID	LB	KG		OD	ID	H
ZN	CMKA614Z	16	7.3	mm	385	287	25
				in	15.2	11.3	1
ZN	CMKA615Z	2.86	1.3	mm	160	106	50
				in	6.3	4.2	1.97
ZN	CMKA616Z	6.44	2.9	mm	226	126	47
				in	8.9	4.9	1.85

JET FF 375S - CLASS V2000



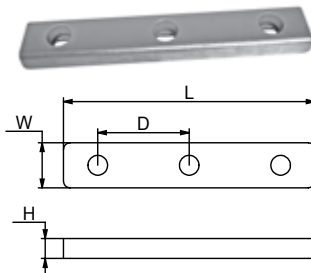
	PID	LB	KG		OD	ID	H
ZN	CMKA617Z	0.91	0.41	mm	70	13	27
				in	2.75	0.51	1.1
ZN	CMKA730Z	1.90	0.86	mm	79	17	42
				in	3.11	0.67	1.65

JET FF 375S - CLASS V2000



	PID	LB	KG		OD	ID	H
ZN	CMKA618Z	1.67	0.76	mm	78	50	45
				in	3.1	2	1.8
ZN	CMKA619Z	2.18	0.99	mm	90	60	48
				in	3.5	2.4	1.9

A SERIES

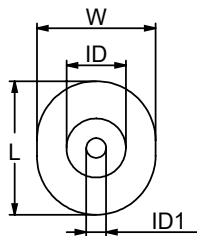


	PID	LB	KG		L	W	D	H
ZN	CMKA620Z	10.14	4.60	mm	385	68	140	30
				in	15	2.7	5.5	1.2
ZN	CMKA621Z	29.32	13.30	mm	600	100	220	40
				in	23.6	3.9	8.6	1.6

KAMEWA TYPE

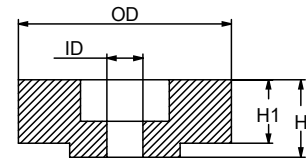
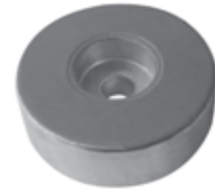


	PID	LB	KG		L	W	H	H1	ID	ID1
ZN	CMKA622Z	2.1	0.48	mm	68	60	27	25	32	12
				in	2.7	2.4	1.1	1	1.3	0.48



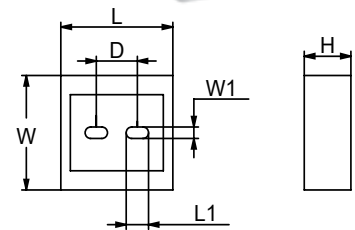
KAMEWA™ ANODES

	PID	LB	KG		OD	ID	H	H1
ZN	CMKA623Z	1.64	0.74	mm	77	12	25	23
				in	3	0.48	0.98	0.9

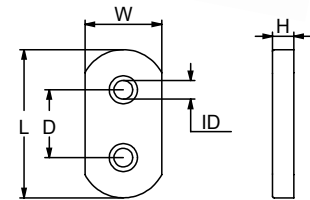


	PID	LB	KG		L	L1	W	W1	D	H
ZN	CMKA624Z	1	0.46	mm	60	12	60	7	18	25
				in	2.4	0.47	2.4	0.28	0.71	1

JET FF 375S - CLASS V2000



	PID	LB	KG		L	W	H	D	ID
ZN	SGPL573Z	4.85	2.2	mm	175	90	25	80	13
				in	6.9	3.54	1	3.15	0.51

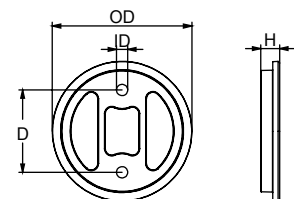


MERCURY MARINE™ ANODES

	PID	LB	KG		OD	ID	H	D
ZN	CM847635001Z	2.223	1.008	mm	129.28	10.41	17.52	76.2
AL	CM847635001A	0.853	0.387	in	5.09	0.41	0.69	3
MG	CM847635001M	0.650	0.295					

**Mercury Racing OB Trim
VERADO 350 CI - 6 CYLINDER - 4 TIMES**

NEW

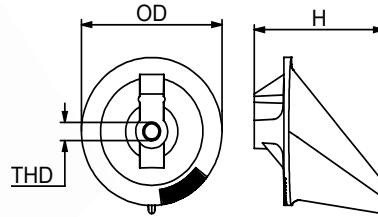


MERCURY™ MERCUISER™ ANODES



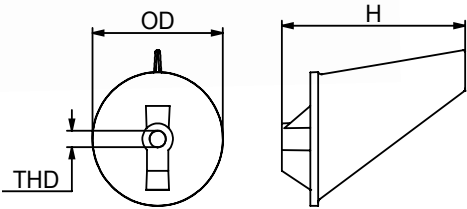
	PID	LB	KG		OD	H	THD
ZN	CM31640Z	1.21	0.55	mm	92	84	7/16
AL	CM31640A	0.46	0.21				- 14
MG	CM31640M	0.3	0.14	in	3.6	3.3	UNC

MERCURY 50HP

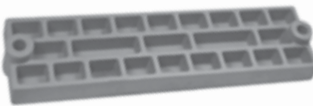
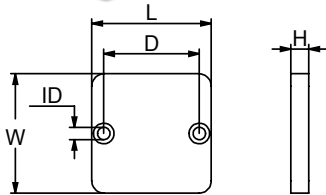


	PID	LB	KG		OD	H	THD
ZN	CM34127Z	1.3	0.59	mm	89	127	7/16 - 14 UNC
AL	CM34127A	0.49	0.22				
MG	CM34127M	0.32	0.15	in	3.5	5	

MERCUISER 80 - 140 HP

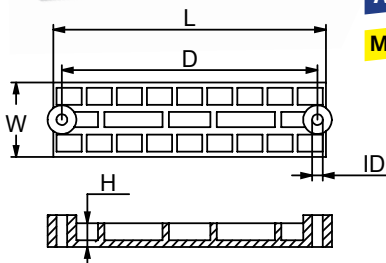


	PID	LB	KG		L	W	H	D	ID
ZN	CM34762Z	0.53	0.24	mm	64	64	10	51	6
AL	CM34762A	0.2	0.09						
MG	CM34762M	0.13	0.06	in	2.5	2.5	0.38	2	0.25



	PID	LB	KG		L	W	H	D	ID
ZN	CM43396Z	1.45	0.66	mm	192	52	17	178	7
AL	CM43396A	0.55	0.25						
MG	CM43396M	0.34	0.15	in	7.56	2	0.6	7	0.29

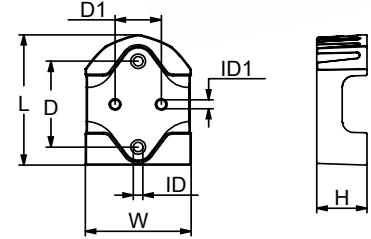
MERCURY 25 HP / 50/60/75 - MERCUISER E.B. 90 / 100 SINO 91 115/190 - SUPERAMERICA 80/115



MERCURY™ MERCUISER™ ANODES

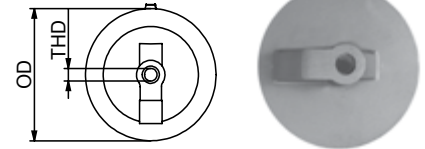
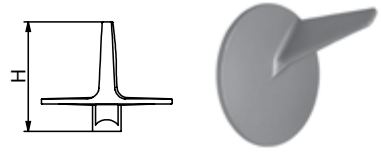
	PID	LB	KG		L	W	H	D	D1	ID	ID1
ZN	CM43994Z	2.09	0.95	mm	101	79	38	66	35	7	7
AL	CM43994A	0.79	0.36								
MG	CM43994M	0.55	0.25	in	4	3.1	1.5	2.6	1.36	0.28	0.26

MERCURY F.BB - MERCUISER E.B. / ALPHA GEN 2 + BRAVO



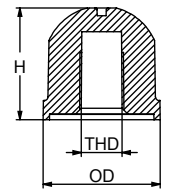
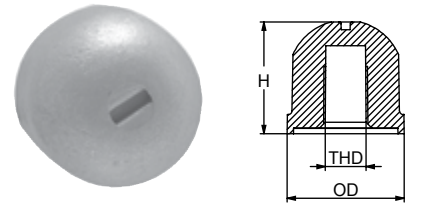
	PID	LB	KG		OD	H	THD
ZN	CM46399Z	0.80	0.36	mm	92	84	7/16 - 14 UNC
AL	CM46399A	0.3	0.14				
MG	CM46399M	0.2	0.09	in	3.6	3.3	

50 - 140 HP



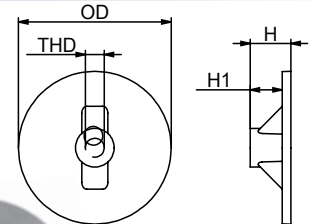
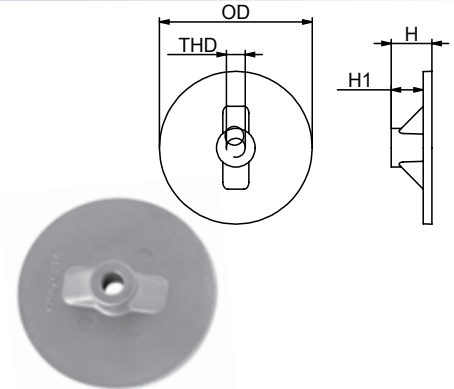
	PID	LB	KG		OD	H	THD
ZN	CM55989Z	0.24	0.11	mm	31	30	½ - 13 UNC
AL	CM55989A	0.09	0.04				
MG	CM55989M	0.06	0.03	in	1.2	1.2	

ALPHA ONE - BRAVO ONE

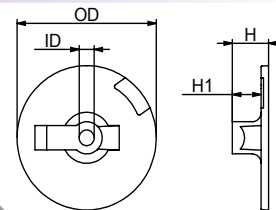
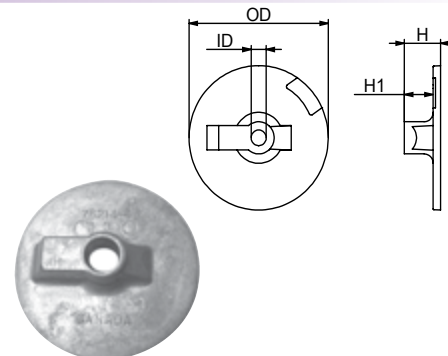


	PID	LB	KG		OD	H	H1	THD
ZN	CM76214Z	0.62	0.28	mm	90	24	19	7/16 - 14 UNC
AL	CM76214A	0.24	0.11					
MG	CM76214M	0.15	0.07	in	3.54	0.94	0.75	

VERADO AND BRAVO

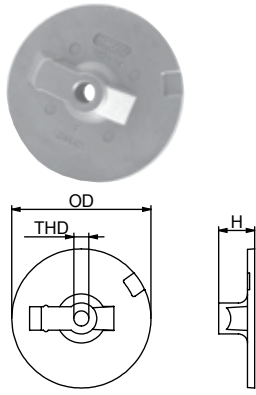


	PID	LB	KG		OD	ID	H	H1
ZN	CM762144Z	0.68	0.31	mm	92	24	19	13
AL	CM762144A	0.29	0.13					
MG	CM762144M	0.18	0.08	in	3.63	0.94	0.75	0.5



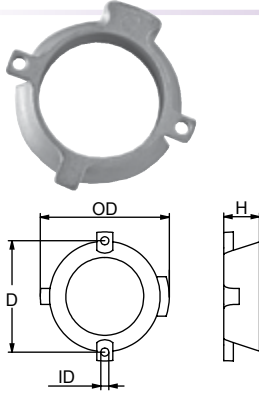
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

MERCURY™ MERCUISER™ ANODES



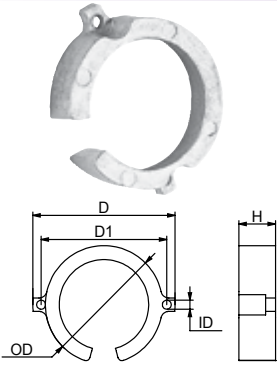
	PID	LB	KG		OD	H	THD
ZN	CM762145Z	0.73	0.33	mm	92	24	7/16
AL	CM762145A	0.29	0.13				- 14
MG	CM762145M	0.17	0.08	in	3.6	0.9	UNC

MERCURY ALPHA



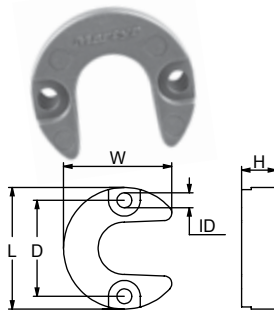
	PID	LB	KG		OD	ID	H	D
ZN	CM806105Z	0.5	0.23	mm	85	5	24	74
AL	CM806105A	0.2	0.09					
MG	CM806105M	0.13	0.06	in	3.3	0.2	0.9	2.9

MERCUISER ALPHA ONE - ALPHA 2 GEN.



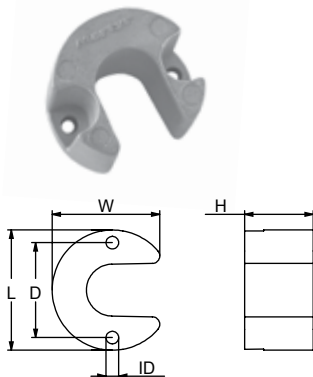
	PID	LB	KG		OD	ID	D	D1	H
ZN	CM806188Z	0.33	0.15	mm	70	5	84	74	23
AL	CM806188A	0.13	0.06						
MG	CM806188M	0.08	0.04	in	2.75	0.2	3.3	2.91	0.9

BRAVO 1 AND BRAVO 3



	PID	LB	KG		L	W	H	D	ID
ZN	CM806189Z	0.22	0.1	mm	49	44	14	38	5
AL	CM806189A	0.09	0.04						
MG	CM806189M	0.06	0.03	in	1.9	1.7	0.5	1.5	0.2

PISTONS MERCUISER ALPHA



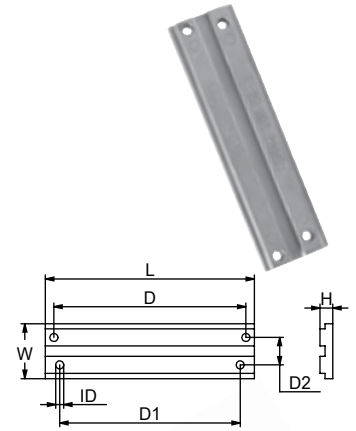
	PID	LB	KG		L	W	H	D	ID
ZN	CM806190Z	0.77	0.35	mm	51	46	51	38	51
AL	CM806190A	0.3	0.14						
MG	CM806190M	0.19	0.09	in	2	1.8	0.2	1.5	2

PISTONS MERCUISER BRAVO

MERCURY™ MERCUISER™ ANODES

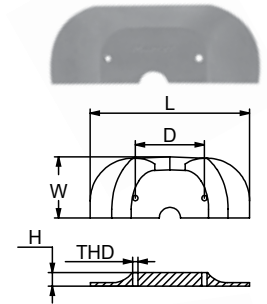
	PID	LB	KG		L	W	H	D	D1	D2	ID
ZN	CM818298Z	1.45	0.66	mm	194	51	12	178	167	25	7
AL	CM818298A	0.57	0.26								
MG	CM818298M	0.36	0.16	in	7.62	2.00	0.47	7.00	6.58	1.00	0.27

40 HP A V6 135/ 150 /175 VERADO



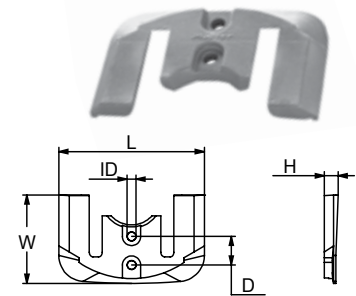
	PID	LB	KG		L	W	H	D	THD
ZN	CM821629CZ	1.72	0.78	mm	191	73	16	83	¼ -
AL	CM821629CA	0.66	0.3						20
MG	CM821629CM	0.44	0.2	in	7.5	2.88	0.64	3.25	UNC

ALPHA ONE - ALPHA 2 GEN.



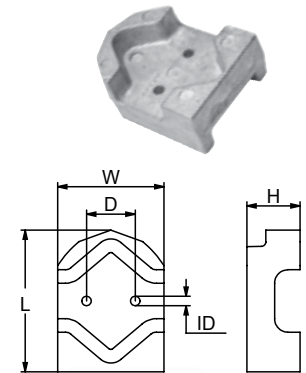
	PID	LB	KG		L	W	H	D	ID
ZN	CM821630C2Z	2.2	1	mm	178	108	14	35	11
AL	CM821630C2A	0.86	0.39						
MG	CM821630C2M	0.57	0.26	in	7	4.25	0.56	1.38	0.44

BRAVO 1 / 2 / 3



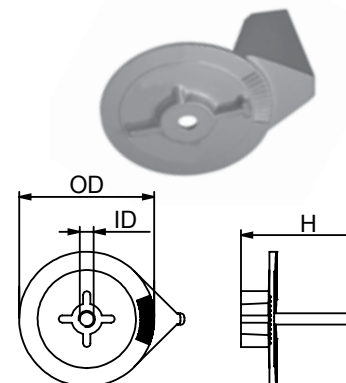
	PID	LB	KG		L	W	H	D	ID
ZN	CM821631Z	1.96	0.89	mm	102	76	38	35	7
AL	CM821631A	0.77	0.35						
MG	CM821631M	0.53	0.24	in	4	3	1.5	1.38	0.27

MERCURY F.BB - MERCUISER E.B.



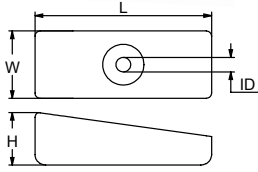
	PID	LB	KG		OD	ID	H
ZN	CM822157C2Z	1.06	0.48	mm	93	9	82
AL	CM822157C2A	0.42	0.19				
MG	CM822157C2M	0.28	0.13	in	3.65	0.36	3.2

F25- F50

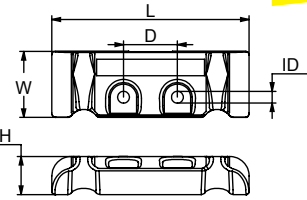


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

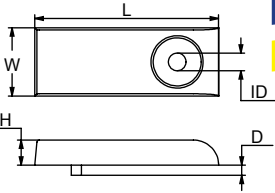
MERCURY™ MERCUISER™ ANODES



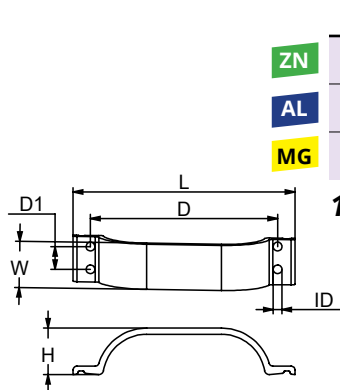
	PID	LB	KG		L	W	H	ID
ZN	CM826134Z	0.56	0.25	mm	76	30	23	6
AL	CM826134A	0.22	0.1					
MG	CM826134M	0.15	0.07	in	3	1.16	0.9	0.25



	PID	LB	KG		L	W	H	D	ID
ZN	CM880653Z	1.1	0.5	mm	128	43	25	35	7
AL	CM880653A	0.44	0.2						
MG	CM880653M	0.28	0.13	in	5	1.7	1	1.4	0.27



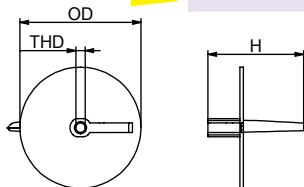
	PID	LB	KG		L	W	H	D	ID
ZN	CM892227Z	0.23	0.1	mm	74	27	10	4	7
AL	CM892227A	0.09	0.04						
MG	CM892227M	0.06	0.03	in	2.9	1.1	0.4	0.2	0.26



150 / 200 HP



	PID	LB	KG		L	W	H	D	D1	ID
ZN	CM89949Z	2.36	1.07	mm	280	59	60	239	29	12
AL	CM89949A	0.92	0.42							
MG	CM89949M	0.62	0.28	in	11	2.3	2.35	9.4	1.15	0.45



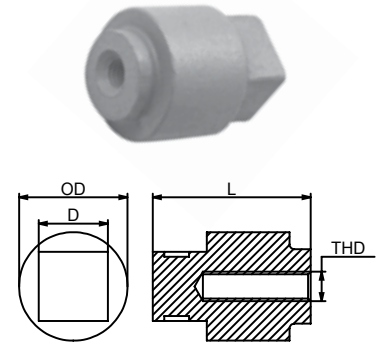
	PID	LB	KG		OD	H	THD
ZN	CM984325Z	0.93	0.42	mm	91	100	M8
AL	CM984325A	0.36	0.16				
MG	CM984325M	0.24	0.11	in	3.6	3.95	

AMERICA 25 HP (FROM 1990)

MERCURY™ MERCRUISER™ ANODES

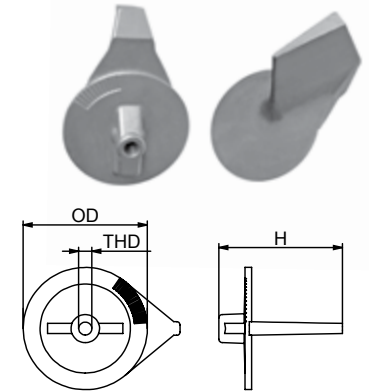
	PID	LB	KG		L	OD	H	THD
ZN	CM804079002Z	0.14	0.06	mm	55	22	32	M6
				in	2.2	0.9	1.3	

YAMAHA 80 - 90 -100 -115 -200 - 225 -250 -300 HP



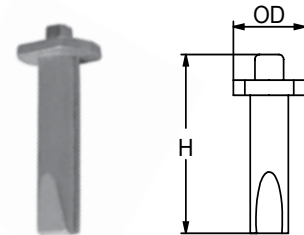
	PID	LB	KG		OD	H	THD
ZN	CM822777Z	1.48	0.67	mm	90	83	7/16 - 14 UNC
				in	3.5	3.3	

35 HP - V6 MCM

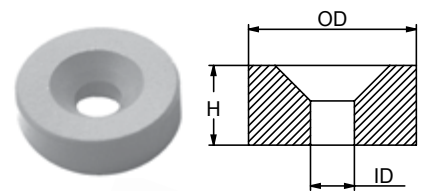


	PID	LB	KG		OD	H
ZN	CM826887MZ	0.03	0.02	mm	16	40
				in	0.6	1.6

Also apply to Yamaha, Parsun

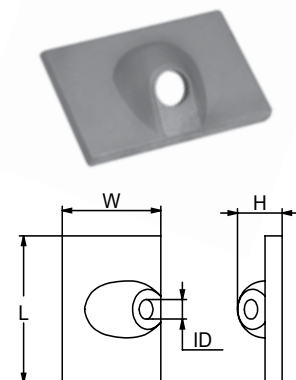


	PID	LB	KG		OD	H	ID
ZN	CM823912Z	0.04	0.02	mm	21	10	6
				in	0.83	0.39	0.24



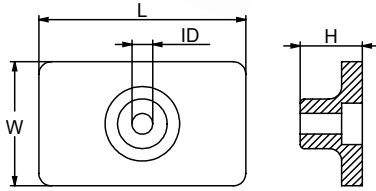
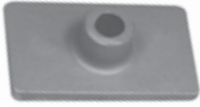
	PID	LB	KG		L	W	H	ID
ZN	CM42121Z	0.07	0.03	mm	42	29	11	7
AL	CM42121A	0.03	0.01	in	1.66	1.1	0.42	0.28
MG	CM42121M	0.02	0.01					

MERCURY 6-9.9 HP



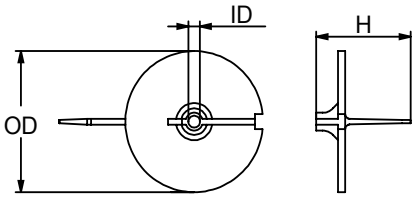
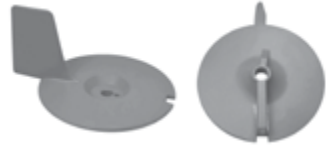
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

MERCURY™ MERCUISER™ ANODES



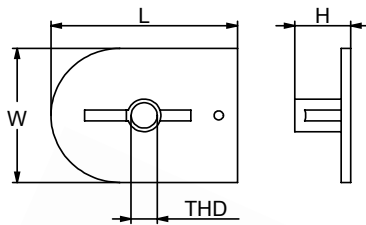
	PID	LB	KG		L	W	H	ID
Zn	CM85824A3Z	0.08	0.04	mm	50	30	13	6
				in	2	1.2	0.5	0.25

MERCURY 4.5-9.9 HP



	PID	LB	KG		OD	ID	H
Zn	CM94286T1Z	0.62	0.28	mm	95	9	65
				in	3.7	0.33	2.6

OUTBOARD 25 HP



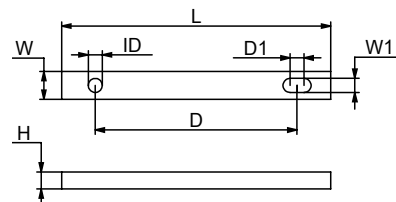
	PID	LB	KG		L	W	H	THD
Zn	CM47820A1Z	0.73	0.33	mm	100	74	30	5/16 - 18
				in	3.9	2.9	1.2	UNC

OUTBOARD 20 HP



	PID	LB	KG		L	W	W1	H	D	D1	ID
Zn	CM825271Z	0.65	0.29	mm	193	19	6	12	167	8	6
Al	CM825271A	0.25	0.11	in	7.6	0.75	0.25	0.5	6.58	0.32	0.25
Mg	CM825271M	0.16	0.07								

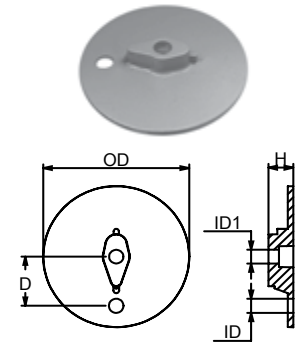
25-30-40 HP 4T



MERCURY™ MERCUISER™ ANODES

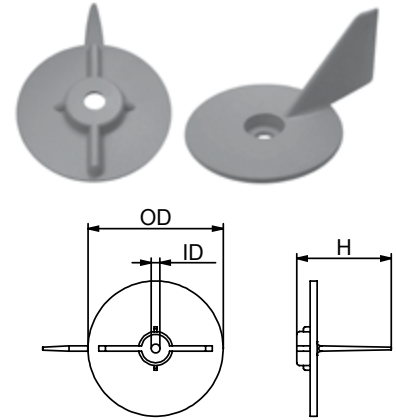
	PID	LB	KG		OD	ID	H	D	ID1
ZN	CM76214Q5Z	0.73	0.33	mm	112	11	19	39	11
				in	4.4	0.43	0.7	1.54	0.43

BRAVO4 225-250 HP



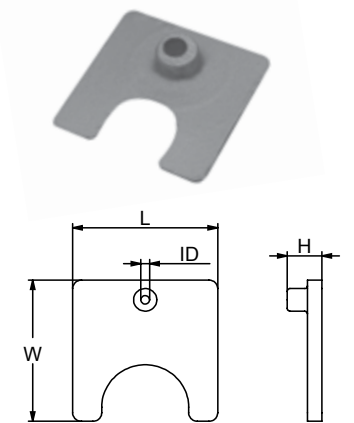
	PID	LB	KG		OD	ID	H
ZN	CM17264C1Z	1	0.46	mm	102	12	70
				in	4	0.5	2.7

FORMULA 60 HP



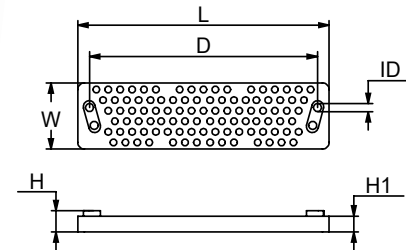
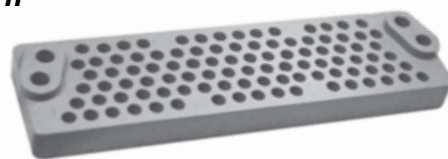
	PID	LB	KG		L	W	H	ID
ZN	CM09411Z	0.12	0.05	mm	50	50	12	7
				in	2	2	0.5	0.27

MERCURY 4,5-7 HP



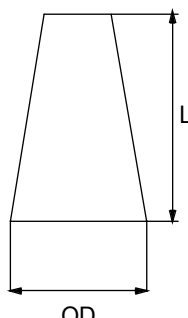
	PID	LB	KG		L	W	H	H1	D	ID
ZN	CM8239121Z	2	0.91	mm	190	50	20	16	7	178
				in	7.5	1.97	0.79	0.63	0.28	7

**MERCURY 50-75 HP MERCUISER 90-100 HP
SUPER AMERICA 80-155 HP
NISSAN - TOHATSU 4,5 HP**



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

MERCURISER™ ENHANCED PROTECTION PROP NUT



	PID	LB	KG	Shaft	L	OD	THD	Fastener
ZN	CMPNDZF14UNS	6.75	3.07	mm	25	78	1"-14 UNS	Fastener 5/16- 18x1 socket head w/ patch
AL	CMPNDAF14UNS	2.62	1.19	in	1	3.06		
MG	CMPNDMF14UNS	1.69	0.77					

FITS PROP SHAFTS FOR BRAVO III 2003 and Older

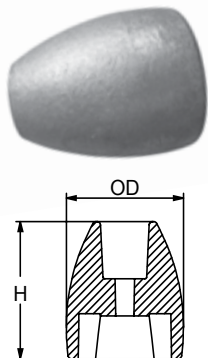



	PID	LB	KG	Shaft	L	OD	THD	Fastener
ZN	CMPNCZF16	1.38	0.63	mm	29	76	3/4" - UNF16	Fastener 5/16- 18x1 socket head w/ patch
AL	CMPNCAF16	0.78	0.35	in	1.12	3		
MG	CMPNCMF16	0.65	0.3					

FITS PROP SHAFTS FOR ALPHA I & BRAVO I

	PID	LB	KG	Shaft	L	OD	THD	Fastener
ZN	CMPNEZF14	2.5	1.14	mm	35	89	1" - 14 UNS	Fastener 5/16-18x1 socket head w/ patch
AL	CMPNEAF14	1.43	0.65	in	1.37	3.5		
MG	CMPNEMF14	1.2	0.54					

FITS PROP SHAFTS FOR BRAVO II



	PID	LB	KG	H	OD	Fastener
ZN	CM865182CZ	1.12	0.51	mm	61	5/16- 18x1 ½
AL	CM865182CA	0.42	0.19	in	2.4	
MG	CM865182CM	0.27	0.12			

FITS PROP SHAFTS FOR BRAVO III 2004 to Present

MERCURY™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
AL	CMVERADO4KITA	1.72	0.78	CM818298 X 1	Verado 4 / OPTIMAX Engine
MG	CMVERADO4KITM	1.23	0.56	CM826134 X 2 CM762145 X 1	



	PID	LB	KG	Contains	Fits
AL	CMVERADO6KITA	1.96	0.89	CM880653 X 1 CM892227 X 4	Verado 6 Engine
MG	CMVERADO6KITM	1.41	0.64	CM826134 X 2 CM762145 X 1	



	PID	LB	KG	Contains	Fits
ZN	CMALPHAGEN1KITZ	3.65	1.66	CM31640 X 1 CM55989 X 2 CM821631 X 1	Alpha I Generation I Engine 1983 - 1990
AL	CMALPHAGEN1KITA	1.41	0.64		
MG	CMALPHAGEN1KITM	0.95	0.43		



	PID	LB	KG	Contains	Fits
ZN	CMALPHAKITZ	5.61	2.55	CM762145 X 1 CM806105 X 1 CM821629 X 1 CM821631 X 1 CM806189 X 2	Alpha I Generation II Engine 1991 - present
AL	CMALPHAKITA	2.58	1.17		
MG	CMALPHAKITM	1.83	0.83		



	PID	LB	KG	Contains	Fits
ZN	CMBRAVO1KITZ	5.35	2.43	CM762145 X 1 CM806188 X 1 CM821630 X 1 CM806190 X 2	Bravo I Engine 1988 - present
AL	CMBRAVO1KITA	2.44	1.11		
MG	CMBRAVO1KITM	1.82	0.83		



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MERCURY™ ANODE KITS

	PID	LB	KG	Contains	Fits
ZN	CMBRAVO23KITZ	5.02	2.28	CM762145 X 1 CM821630 X 1 CM806190 X 2	Bravo II 1989 - present & Bravo III 1989 - 2003
AL	CMBRAVO23KITA	2.31	1.05		
MG	CMBRAVO23KITM	1.72	0.78		



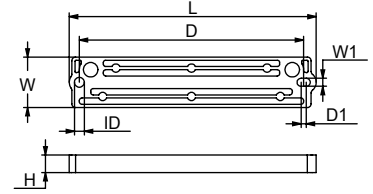
	PID	LB	KG	Contains	Fits
ZN	CMBRAVO3KITZ	6.57	2.98	CM762144 X 1 CM762145 X 1 CM865182C X 1 CM821630 X 1 CM806190 X 2	Bravo III Engine 2004 - present
AL	CMBRAVO3KITA	3.02	1.37		
MG	CMBRAVO3KITM	2.16	0.98		



	PID	LB	KG	Fits
AL	CM31640KITA	0.62	0.28	Alpha I Generation I Engine
MG	CM31640KITM	0.5	0.23	
AL	CM55989KITA	0.36	0.16	Alpha I Generation I Engine
MG	CM55989KITM	0.3	0.14	
AL	CM762144KITA	0.49	0.22	Bravo III Engine 2004 - present
MG	CM762144KITM	0.38	0.17	
AL	CM762145KITA	0.5	0.23	Alpha I Generation II Engine, Bravo I, Bravo II, Bravo III, Verado 4, 6
MG	CM762145KITM	0.37	0.17	
AL	CM806105KITA	0.38	0.17	Alpha I Generation II Engine
MG	CM806105KITM	0.31	0.14	
AL	CM806188KITA	0.13	0.06	Bravo I 1988 - present
MG	CM806188KITM	0.1	0.05	
AL	CM806189KITA	0.36	0.16	Alpha I Generation II Engine
MG	CM806189KITM	0.3	0.14	
AL	CM806190KITA	0.8	0.36	Bravo I 1988 - present, Bravo II 1989 - present & Bravo III 1989 - 2003
MG	CM806190KITM	0.58	0.26	
AL	CM818298KITA	0.8	0.36	Verado 4 /OPTIMAX Engine
MG	CM818298KITM	0.58	0.26	
AL	CM821629KITA	0.88	0.4	Alpha I Generation II Engine
MG	CM821629KITM	0.66	0.3	
AL	CM821630KITA	1.08	0.49	Bravo I 1988 - present, Bravo II 1989 - present & Bravo III 1989 - 2003
MG	CM821630KITM	0.79	0.36	
AL	CM821631KITA	1	0.45	Alpha I Generation I Engine, Alpha I Generation II Engine
MG	CM821631KITM	0.71	0.32	
AL	CM821634KITA	0.62	0.28	Verado 4 /OPTIMAX Engine
MG	CM821634KITM	0.46	0.21	
AL	CM865182KITA	0.74	0.28	Bravo III Engine 2004 - present
MG	CM865182KITM	0.59	0.27	

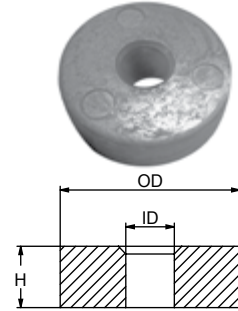
NISSAN™ TOHATSU™ ANODES

	PID	LB	KG		L	W	W1	H	D	D1	ID
ZN	CM3C7602181Z	1.12	0.51	mm	196	40	6	14	178	4	8
AL	CM3C7602181A	0.46	0.21								
MG	CM3C7602181M	0.28	0.13	in	7.7	1.6	0.25	0.5	7	0.16	0.31



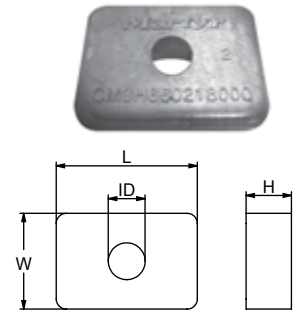
	PID	LB	KG		OD	ID	H
ZN	CM5338602182A0Z	0.46	0.21	mm	24	7	8
AL	CM5338602182A0A	0.02	0.01				
MG	CM5338602182A0M	0.01	0.01	in	0.9	0.3	0.3

Also apply to Hidea



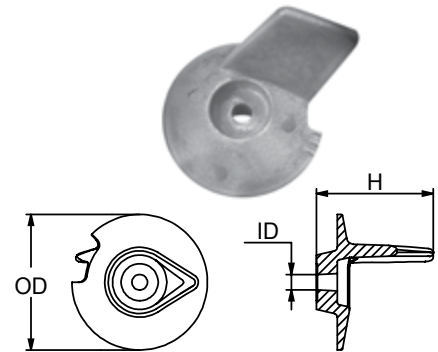
	PID	LB	KG		L	W	H	ID
ZN	CM3H660218000Z	0.06	0.03	mm	28	19	9	6
AL	CM3H660218000A	0.02	0.01					
MG	CM3H660218000M	0.01	0.01	in	1.1	0.7	0.4	0.25

Also apply to Parsun & ShenFeng



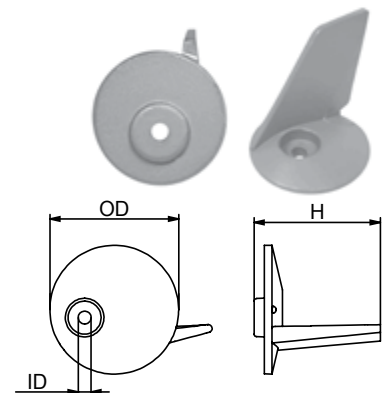
	PID	LB	KG		OD	ID	H
ZN	CM3V1602170Z	0.22	0.1	mm	55	6	48
AL	CM3V1602170A	0.09	0.04				
MG	CM3V1602170M	0.06	0.03	in	2.2	0.25	1.9

140 HP
Also apply to Hidea



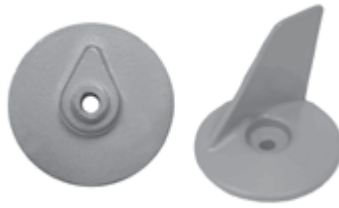
	PID	LB	KG		OD	ID	H
ZN	CM348602170Z	0.28	0.13	mm	50	6	50
					in	2	0.25

FIN 25-40 HP



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

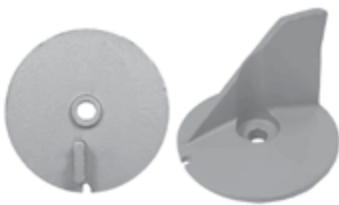
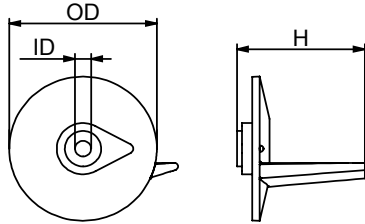
NISSAN™ TOHATSU™ ANODES



ZN

PID	LB	KG		OD	ID	H
CM3C8602170Z	0.47	0.14	mm	59	6	51
			in	2.3	0.25	2

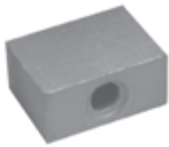
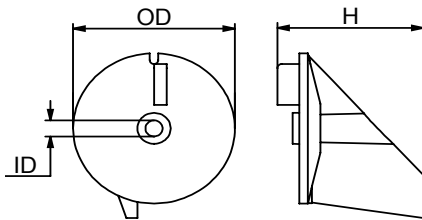
MEGA 25-50 HP



ZN

PID	LB	KG		OD	ID	H
CM3B76021700Z	0.76	0.35	mm	77	8	70
			in	3	0.3	2.76

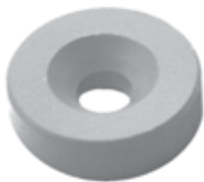
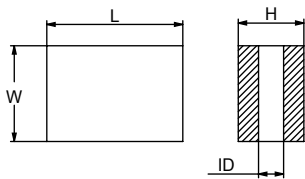
60-70-90-120-140 HP



ZN

PID	LB	KG		L	W	H	ID
CM3B7602181Z	0.09	0.04	mm	27	19	13	7
			in	1.1	0.7	0.5	0.28

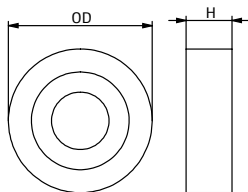
MEGA ENGINES



ZN

PID	LB	KG		OD	H
CM369602181Z	0.04	0.02	mm	25	8
			in	1	0.3

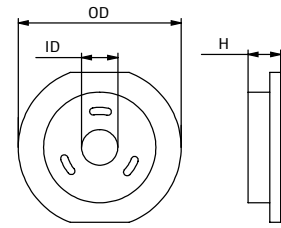
2.5-8 HP



NISSAN™ TOHATSU™ ANODES

	PID	LB	KG		OD	ID	H
ZN	CM3M2602181Z	0.1	0.05	mm	45	7	9
				in	1.8	0.26	0.4

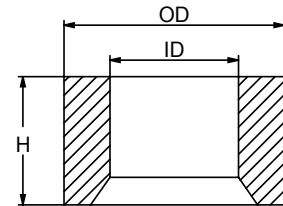
40-140 HP



PAINIER™ ANODES

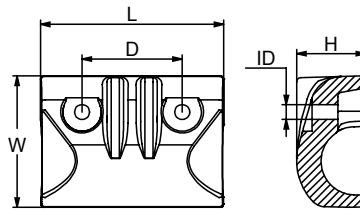
	PID	LB	KG		OD	ID	H
ZN	CM6634525100Z	0.09	0.04	mm	24	7	14
AL	CM6634525100A	0.03	0.02				
MG	CM6634525100M	0.02	0.01	in	0.9	0.3	0.6

YAMAHA 40 - 50 - 70 - 90 - HP UP TO 1987



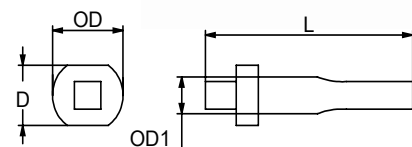
	PID	LB	KG		L	W	H	D	ID
ZN	CM63D4525101Z	1.28	0.58	mm	86	62	32	47	7
MG	CM63D4525101M	0.31	0.14	in	3.4	2.4	1.3	1.9	0.3

YAMAHA 40 - 50 HP

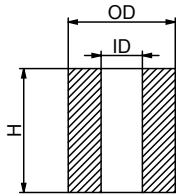


	PID	LB	KG		L	OD	OD1	D
ZN	CM6H31132501Z	0.46	0.21	mm	68	16	8	13
MG	CM6H31132501M	0.01	0.01	in	2.7	0.6	0.3	0.5

YAMAHA 200 - 225 - 250 HP UP TO 2003



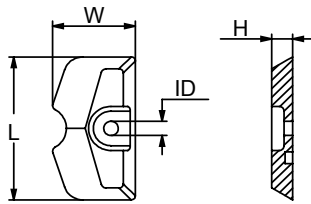
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



PARSUN™ ANODES

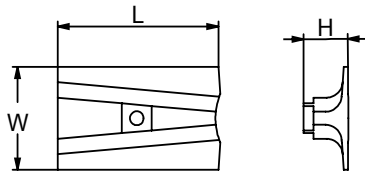
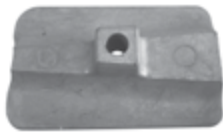
	PID	LB	KG		OD	ID	H
ZN	CM6G81132500Z	0.03	0.01	mm	13	5	15
AL	CM6G81132500A	0.01	0.01				
MG	CM6G81132500M	0.01	0.01	in	0.5	0.2	0.6

Also apply to YAMAHA 4 - 6 - 8 - 9 - 9,9 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 HP, ALLPASS, Hidea, Tiger & Painier



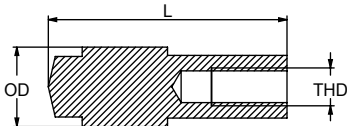
	PID	LB	KG		L	W	H	ID
ZN	CM6L5452510300Z	0.13	0.06	mm	60	34	9	6
AL	CM6L5452510300A	0.05	0.02					
MG	CM6L5452510300M	0.03	0.02	in	2.4	1.3	0.3	0.2

Also apply to Yamaha, ALLPASS, Hidea, Tiger, Painier & Shenfeng



	PID	LB	KG		L	W	H
ZN	CM8018Z	0.03	0.01	mm	80	50	22
AL	CM8018A	0.01	0.01				
MG	CM8018M	0.01	0.01	in	3.1	2	0.9

Also apply to Yamaha



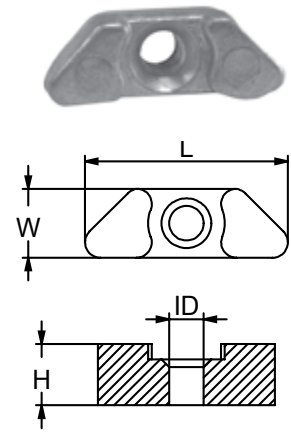
	PID	LB	KG		L	OD	THD
ZN	CM66M1132500Z	0.03	0.01	mm	32	11	5
AL	CM66M1132500A	0.011	0.005				
MG	CM66M1132500M	0.006	0.003	in	1.3	0.4	0.2

Also apply to YAMAHA 9,9 - 15 - 200 - 225 - 250 - 300 HP, ALLPASS, Hidea & Tiger

PARSUN™ ANODES

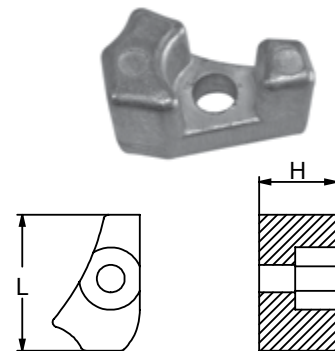
	PID	LB	KG		L	W	H	ID
ZN	CM6E51132500Z	0.02	0.01	mm	27	9	10	5
AL	CM6E51132500A	0.008	0.004					
MG	CM6E51132500M	0.004	0.002	in	1.1	0.4	0.4	0.2

Also apply to YAMAHA 6 - 9,9 - 15 - 20 - 75 - 90 - 115 - 130 - 150 - 175 - 200 - 225 - 250 - 300 - 350 HP, ALLPASS, Hidea, Tiger & Painier



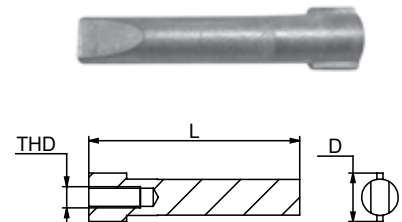
	PID	LB	KG		L	H
ZN	CM6821132500Z	0.04	0.02	mm	27	15
AL	CM6821132500A	0.008	0.004			
MG	CM6821132500M	0.006	0.003	in	1.1	0.6

YAMAHA 9,9 - 15 HP
Also apply to ALLPASS, Hidea, Tiger & Painier



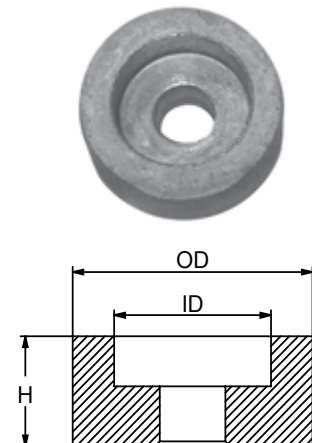
	PID	LB	KG		L	D	THD
ZN	CM62Y1132500Z	0.04	0.02	mm	49	11	5
AL	CM62Y1132500A	0.01	0.01				
MG	CM62Y1132500M	0.01	0.01	in	1.9	0.4	0.2

Also apply to YAMAHA 25 - 30 - 40 - 50 - 60 - 70 - 150 - 175 - 200 - 225 - 250 HP



	PID	LB	KG		OD	ID	H
ZN	CM6764525100Z	0.06	0.03	mm	25	11	7
AL	CM6764525100A	0.02	0.01				
MG	CM6764525100M	0.02	0.01	in	1	0.4	0.3

Also apply to Yamaha, ALLPASS, Hidea, Tiger & Painier

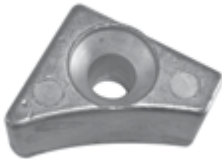
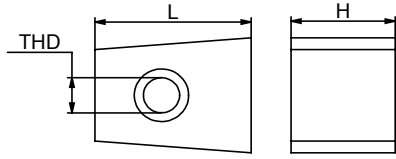


PARSUN™ ANODES



	PID	LB	KG		L	H	THD
ZN	CM67C4525100Z	0.27	0.12	mm	35	23	8
AL	CM67C4525100A	0.1	0.04				
MG	CM67C4525100M	0.07	0.03	in	1.4	0.9	0.3

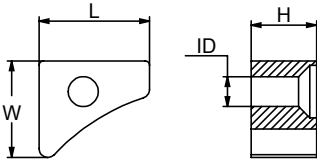
Also apply to Yamaha, ALLPASS, Hidea, Tiger & Painier



	PID	LB	KG		L	W	H	ID
ZN	CM6761132500Z	0.07	0.03	mm	25	22	15	7
AL	CM6761132500A	0.03	0.01					
MG	CM6761132500M	0.02	0.01	in	1	0.9	0.6	0.3

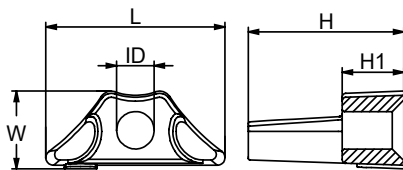
YAMAHA 40 HP

Also apply to Hidea, Tiger & Painier



	PID	LB	KG		L	W	H	H1	ID
ZN	CM6881132500Z	0.02	0.01	mm	23	10	20	8	5
AL	CM6881132500A	0.01	0.01						
MG	CM6881132500M	0.01	0.01	in	0.9	0.4	0.8	0.3	0.2

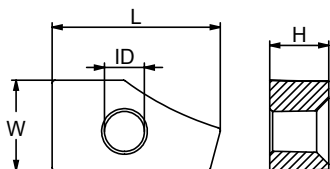
Also apply to YAMAHA 40 - 50 - 75 - 80 - 85 - 90 HP



	PID	LB	KG		L	W	H	ID
ZN	CM6891132500Z	0.46	0.21	mm	28	15	10	6
AL	CM6891132500A	0.02	0.01					
MG	CM6891132500M	0.01	0.01	in	1.1	0.59	0.39	0.24

Also apply to Yamaha 25 - 30 HP UP TO 1997,

ALLPASS, Hidea & Painier

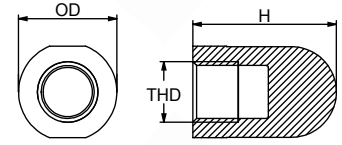


RENAULT™ ANODES

	PID	LB	KG	OD	H	THD
ZN	CMRE16Z	0.19	0.09	mm	26	38
AL	CMRE16A	0.07	0.03	in	1	1.5
MG	CMRE16M	0.04	0.02			
ZN	CMRE20Z	0.35	0.16	mm	35	50
AL	CMRE20A	0.13	0.06	in	1.4	2
MG	CMRE20M	0.09	0.04			

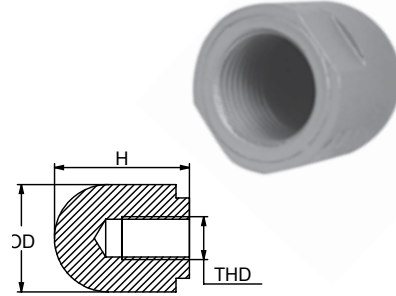


NUT FOR SHAFT

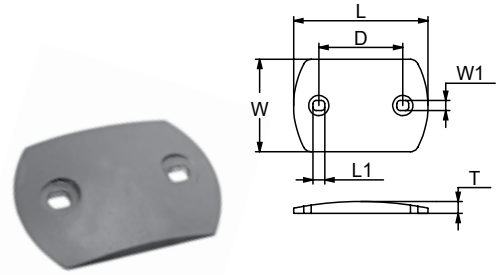


	PID	LB	KG	OD	H	THD
ZN	CMRE28Z	0.49	0.22	mm	40	49
AL	CMRE28A	0.18	0.08	in	1.6	1.9
MG	CMRE28M	0.11	0.05			

NUT FOR SHAFT



	PID	LB	KG	L	L1	W	W1	D	T	
ZN	CMRE50Z	0.37	0.17	mm	80	8	50	6	48	10
				in	3.1	0.32	2	0.25	1.89	0.39

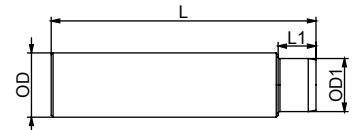


SEASALL™ ENGINE ANODES **NEW**

NEW

	PID	LB	KG	L	L1	OD	OD1
ZN	CMHS1760Z	0.231	0.105	mm	70	10	17
				in	2.75	0.39	0.67

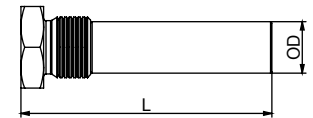
ANODE ONLY



NEW

	PID	LB	KG	L	OD
ZN	CMHS1760PZ	0.349	0.159	mm	83
				in	3.27

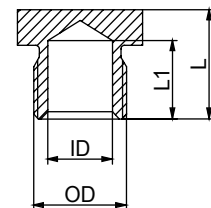
W/PLUG



NEW

	PID	LB	KG	ID	OD	L	L1
	CMEPHS1420	0.118	0.054	mm	14	M20	23
				in	0.55	X15	0.90
							16.5
							0.65

W/ BRASS PLUG



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

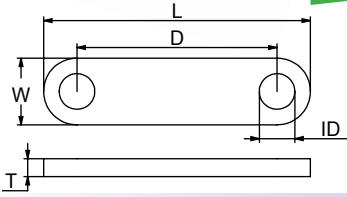
SELVA™ ANODES



ZN

PID	LB	KG		L	W	D	ID	T
CM9005655Z	0.05	0.02	mm	60	15	51	4	4
			in	2.4	0.6	2	0.17	0.2

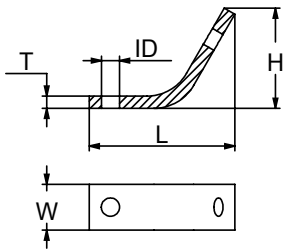
PIATTA FB SERIES



ZN

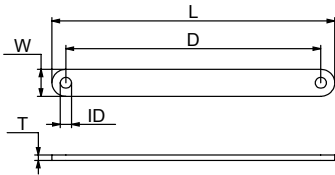
PID	LB	KG		L	W	H	ID	T
CM9005660Z	0.06	0.03	mm	52	15	28	4	4
			in	2	0.6	1.1	0.17	0.16

FB SERIES CURVE



PID	LB	KG		L	W	D	ID	T
CM9005665Z	0.24	0.11	mm	203	20	183	7	4
			in	8	0.8	7.2	0.26	0.2

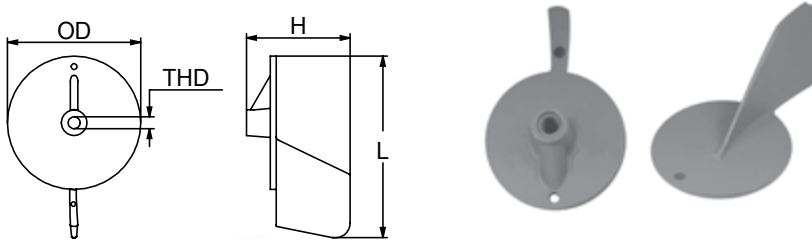
ZN



PID	LB	KG		L	H	OD	THD
CM2500050Z	0.37	0.17	mm	90	70	59	M8
			in	3.5	2.7	2.32	

ZN

BEST 800-S1000



ZN

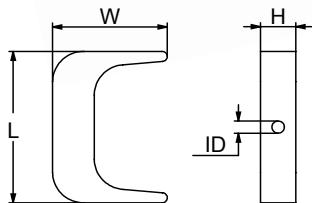
PID	LB	KG		L	W	H
CM2504020Z	0.46	0.21	mm	75	55	17
			in	2.9	2.2	0.7

ZN

CM2504025Z	0.31	0.14	mm	88	53	11
			in	3.5	2.1	0.4

ZN

CM2504035Z	0.22	0.1	mm	60	40	12
			in	2.4	1.6	0.5



S405-S700

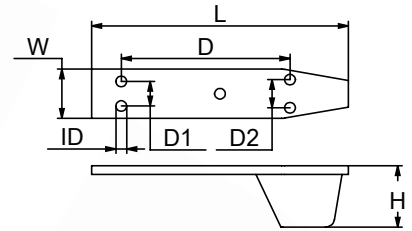
100 HP

**80 HP
IZIMIR 8 CV
NAXOS 15 CV**

SELVA™ ANODES

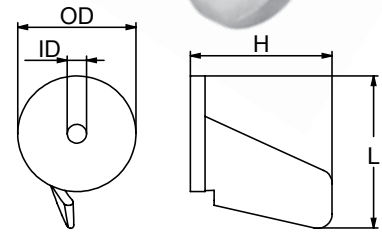
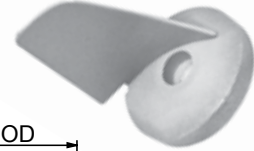
	PID	LB	KG		L	W	H	D	ID	D1	D2
ZN	CM2500010Z	0.22	0.1	mm	143	28	35	65	4	18	16
				in	5.6	1.1	1.4	2.56	0.17	0.71	0.63

6-15 HP



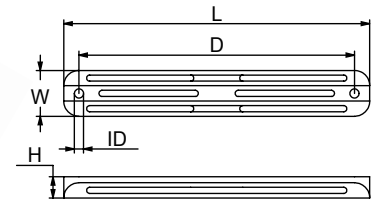
	PID	LB	KG		L	OD	ID	H
ZN	CM2500065Z	0.22	0.1	mm	47	40	7	48
				in	1.85	1.6	0.26	1.9

25-40 HP



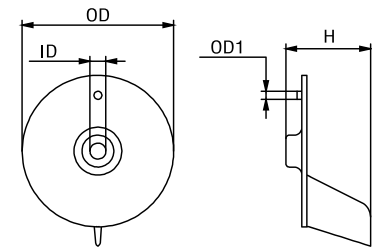
	PID	LB	KG		L	W	H	D	ID
ZN	CM2504015Z	0.86	0.39	mm	200	30	14	182	6
				in	7.9	1.2	0.5	7.1	0.25

S600 SERIES



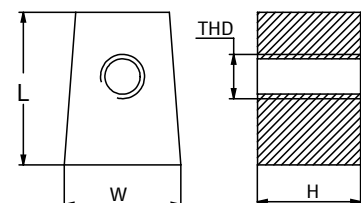
	PID	LB	KG		OD	OD1	ID	H
ZN	CM82795MZ	0.43	0.2	mm	95	5	9	53
				in	3.7	0.19	0.33	2.1

YAMAHA 25-30 HP, MANTA / BARRACUDA



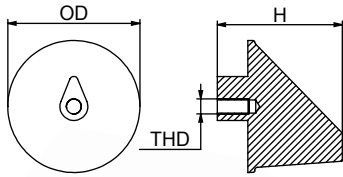
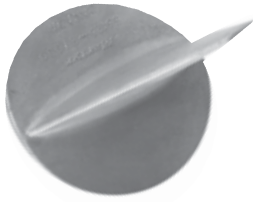
	PID	LB	KG		L	W	H	THD
ZN	CM67C4525100Z	0.25	0.12	mm	35	27	24	M8 x
				in	1.36	1	0.93	1.25

YAMAHA T25 - F30 - F40 - F50 - F60 HP



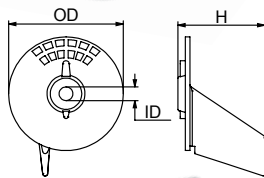
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

SUZUKI™ ANODES



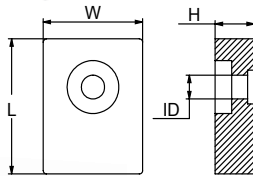
	PID	LB	KG	OD	H	THD
ZN	CM5512587D00Z	0.75	0.34	mm	89	84
AL	CM5512587D00A	0.3	0.14	in	3.5	M10 x 1.25
MG	CM5512587D00M	0.19	0.09			

SUZUKI 50 - 70 HP DT150 - DT175 - DT200 - DT225 4 T



	PID	LB	KG	OD	ID	H
ZN	CM551259630Z	0.28	0.13	mm	70	8
AL	CM551259630A	0.15	0.07	in	2.7	0.3
MG	CM551259630M	0.07	0.03			

DF60 - DF70

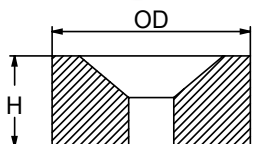
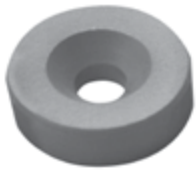
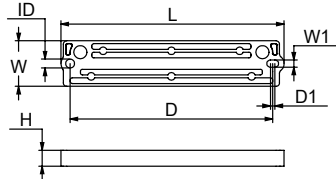


	PID	LB	KG	L	W	H	ID
ZN	CM5532095310Z	0.17	0.08	mm	40	30	12
AL	CM5532095310A	0.07	0.03	in	1.6	1.2	0.5
MG	CM5532095310M	0.04	0.02				



	PID	LB	KG	L	W	W1	H	D	D1	ID
ZN	CM5532194900Z	1.12	0.51	mm	196	40	6	14	178	4
AL	CM5532194900A	0.46	0.21	in	7.7	1.6	0.25	0.5	7	0.16
MG	CM5532194900M	0.28	0.13							

70 - 90 - 115 - 140 - 150 CV. Also fits BRP™ & Mercury™



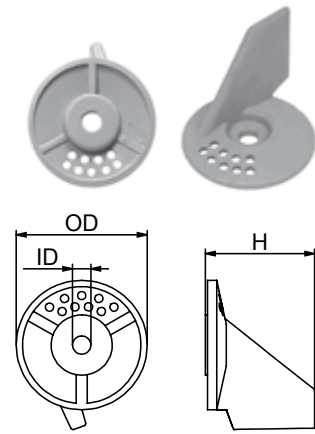
	PID	LB	KG	OD	ID	H
ZN	CM1113094600Z	0.02	0.01	mm	22	7
AL	CM1113094600A	0.01	0.01	in	0.9	0.26
MG	CM1113094600M	0.01	0.01			

**YAMAHA 40 HP UP TO 1997
SUZUKI FB**

SUZUKI™ ANODES

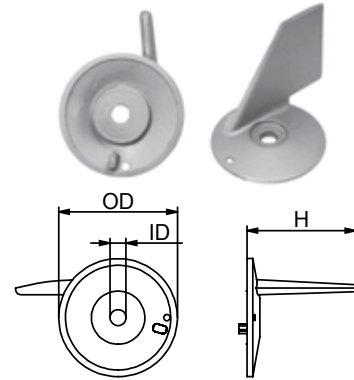
	PID	LB	KG		OD	ID	H
ZN	CM5512595301Z	0.31	0.14	mm	60	8	50
AL	CM5512595301A	0.12	0.06				
MG	CM5512595301M	0.08	0.04	in	2.4	0.33	2

SUZUKI 55-65 HP



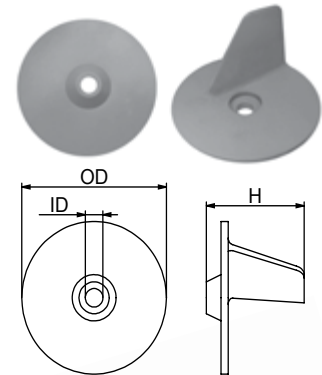
	PID	LB	KG		OD	H	ID
ZN	CM5512595500Z	0.35	0.16	mm	62	57	9
					in	2.4	2.24

75-85 HP



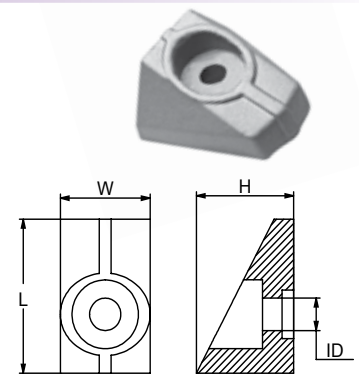
	PID	LB	KG		OD	ID	H
ZN	CM5512594502Z	0.72	0.33	mm	99	11	67
					in	3.9	0.44

SUZUKI 115 HP



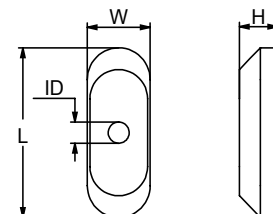
	PID	LB	KG		L	OD	ID	H
ZN	CM5532098600Z	0.22	0.1	mm	38	23	21	6
					in	1.5	0.9	0.83

**OUTBOARD
SUZUKI FB**

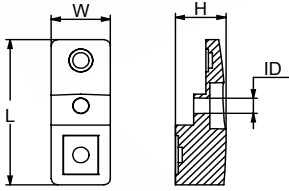


	PID	LB	KG		L	W	H	ID
ZN	CM5532098400Z	0.11	0.05	mm	48	18	11	6
					in	1.9	0.7	0.4

SUZUKI 2 HP



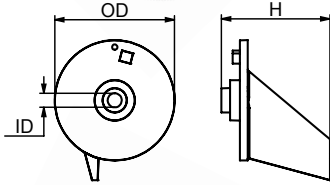
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



SUZUKI™ ANODES

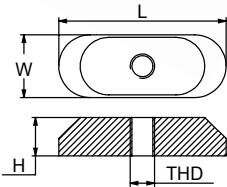
	PID	LB	KG		L	W	H	ID
ZN	CM5532190J01Z	0.19	0.09	mm	55	22	19	6
				in	2.2	0.9	0.7	0.2

DF 90 - 115 - 140



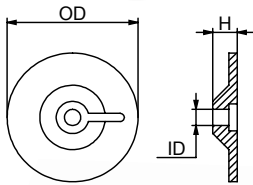
	PID	LB	KG		OD	H	ID
ZN	CM5512587E01Z	0.54	0.25	mm	73	66	9
				in	2.9	2.6	0.33

70-90-115-140 HP



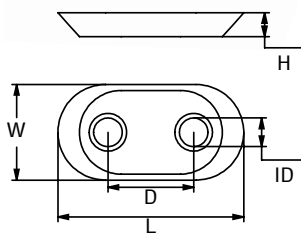
	PID	LB	KG		L	W	H	THD
ZN	CM4181198500Z	0.11	0.05	mm	48	18	11	M6 x 1
				in	1.9	0.7	0.4	

2.2-4 HP



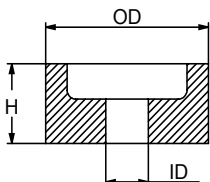
	PID	LB	KG		OD	H	ID
ZN	CM5532193900Z	0.12	0.05	mm	48	9	7
AL	CM5532193900A	0.05	0.02				
MG	CM5532193900M	0.03	0.01	in	1.9	0.4	0.26

9.9-15 HP 4T



	PID	LB	KG		L	W	H	D	ID
ZN	CM5530095500Z	0.17	0.08	mm	78	20	10	40	7
				in	3.1	0.79	0.4	1.6	0.26

2-8 HP



	PID	LB	KG		OD	H	ID
ZN	CM5532187J00Z	0.04	0.02	mm	21	10	6
				in	0.83	0.39	0.24

ENGINES 3,5 - 5 - 6 HP 4T

SUZUKI™ ANODE KITS **NEW**

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

NEW

	PID	LB	KG	Contains	Fits
ZN	CMSZ90140KITZ	1.72	0.78	CM5532190J01 X 1 CM1113094600 X 4 CM3C7602181A0 X 1	Suzuki 90-100-115 -140 HP
AL	CMSZ90140KITA	0.85	0.385		
MG	CMSZ90140KITM	0.59	0.27		



NEW

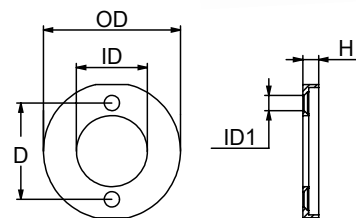
	PID	LB	KG	Contains	Fits
ZN	CMSZ4050KITZ	1.19	0.54	CM5532095310 X 2 CM1113094600 X 4 CM5512595500 X 1	Suzuki 40-50 HP
AL	CMSZ4050KITA	0.86	0.39		
MG	CMSZ4050KITM	0.67	0.30		



VOLVO PENTA™ ANODES

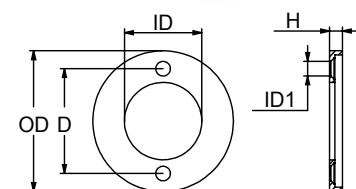
	PID	LB	KG		OD	D	ID	ID1	H
ZN	CMV15Z(CM875810Z)	0.43	0.2	mm	99	67	51	11	11
AL	CMV15A (CM875810A)	0.19	0.09		in	3.9	2.74	2	0.43
MG	CMV15M (CM875810M)	0.11	0.05						

50-100 SERIES



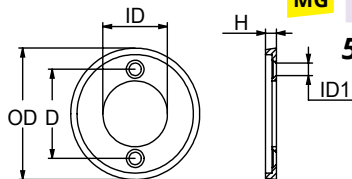
	PID	LB	KG		OD	D	ID	ID1	H
ZN	CMV16Z(CM875809Z)	0.44	0.2	mm	106	79	58	11	10
AL	CMV16A (CM875809A)	0.19	0.09		in	4.2	3.1	2.3	0.43
MG	CMV16M (CM875809M)	0.11	0.05						

50-200 SERIES



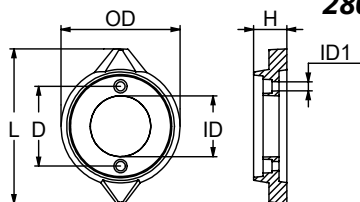
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

VOLVO PENTA™ ANODES



	PID	LB	KG		OD	D	ID	ID1	H
ZN	CMV17Z (CM875806-4Z)	0.65	0.29	mm	117	79	58	11	10
AL	CMV17A (CM875806-4A)	0.29	0.13						
MG	CMV17M (CM875806-4M)	0.16	0.07	in	4.6	3.1	2.3	0.43	0.4

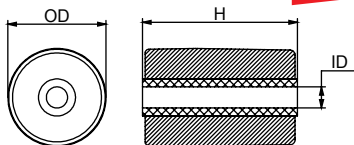
50-250-270-275-280-285 SERIES



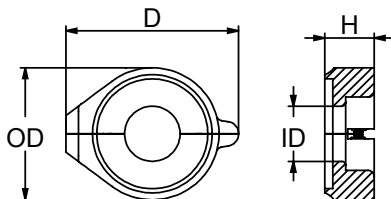
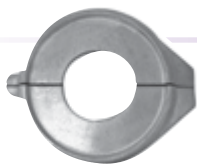
	PID	LB	KG	L	H	D	OD	ID	ID1	
ZN	CMV18Z (CM875815-3Z)	1.16	0.73	mm	155	34	80	120	61	9
AL	CMV18A (CM875815-3A)	0.64	0.29							
MG	CMV18M (CM875815-3M)	0.4	0.18	in	6.1	1.34	3.15	4.7	2.4	0.35

280-290 E SINGLE DROP SERIES

NEW

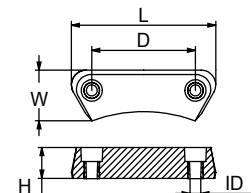


	PID	LB	KG		OD	H	ID
ZN	CM21718129Z	1.018	0.462	mm	38.9	61.5	8.3
AL	CM21718129A	0.465	0.211				
MG	CM21718129M	0.339	0.154	in	1.53	2.42	0.33



	PID	LB	KG		D	OD	ID	H
ZN	CM358407Z	3.27	1.48	mm	139	108	45	40
AL	CM358407A	1.43	0.65					
MG	CM358407M	0.89	0.41	in	5.47	4.25	1.77	1.57

SD 130/150 2002 2003 SERIES



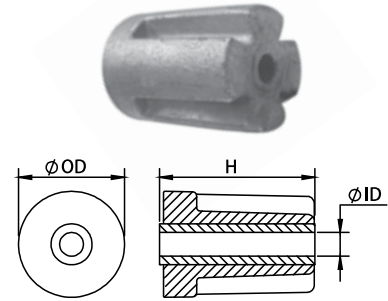
	PID	LB	KG	L	W	H	D	ID	
ZN	CM3588745Z	1.08	0.49	mm	118	41	25	85	9
AL	CM3588745A	0.45	0.20						
MG	CM3588745M	0.29	0.13	in	4.6	1.6	1	3.4	0.35

DUO PROP

VOLVO PENTA™ ANODES

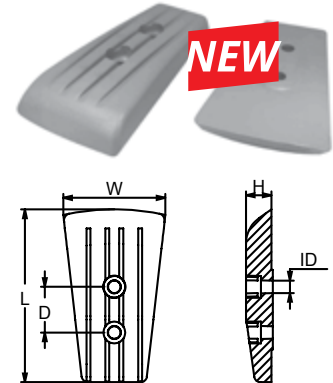
	PID	LB	KG		OD	ID	H
ZN	CM3593881Z	1.61	0.73	mm	72	49.1	10.5
AL	CM3593881A	0.75	0.34				
MG	CM3593881M	0.57	0.26	in	2.83	1.93	0.41

IPS



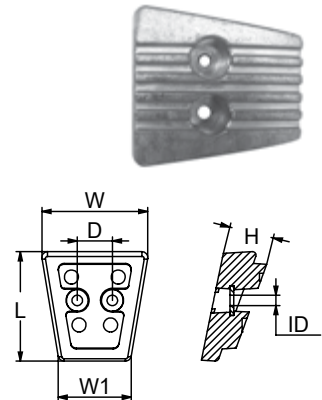
	PID	LB	KG		L	H	W	D	ID
ZN	CM3589875Z	1.82	0.83	mm	132.3	19.6	78	35	16.6
AL	CM3589875A	0.72	0.33						
MG	CM3589875M	0.50	0.23	in	5.20	0.77	3.07	1.38	0.65

VOLVO PENTA DPR PLATE

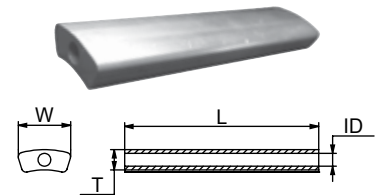


	PID	LB	KG		L	W	W1	H	D	ID
ZN	CM3841427Z	0.96	0.43	mm	94	93	61	38	30	9
AL	CM3841427A	0.44	0.2							
MG	CM3841427M	0.29	0.13	in	3.7	3.7	2.4	1.5	1.18	0.35

SX-A/APS-A

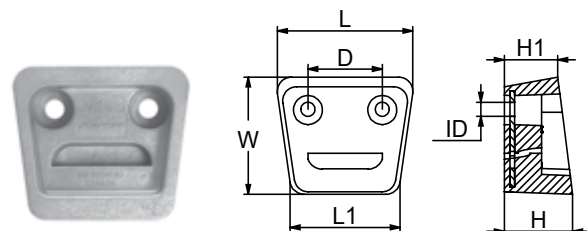


	PID	LB	KG		L	W	ID	T
ZN	CM3852970Z	0.33	0.15	mm	104	28	7	11
AL	CM3852970A	0.15	0.68					
MG	CM3852970M	0.1	0.05	in	4	1.1	0.26	0.42



	PID	LB	KG		L	L1	W	H	H1	D	ID
ZN	CM3854130Z	2.4	1.09	mm	96	73	80	47	37	51	10
AL	CM3854130A	0.9	0.41								
MG	CM3854130M	0.6	0.27	in	3.76	2.86	3.14	1.84	1.44	2	0.38

S. DRIVE - SX DRIVE

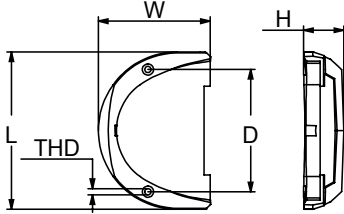


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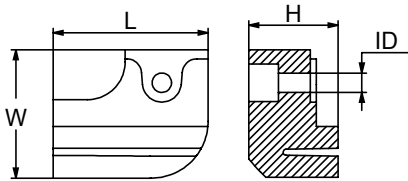
VOLVO PENTA™ ANODES



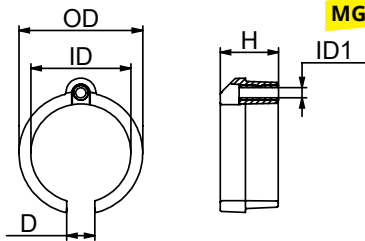
	PID	LB	KG		L	W	H	D	THD
ZN	CM3855411Z	2.29	1.04	mm	145	103	37	113	¼ - 20 UNC
AL	CM3855411A	0.9	0.41						
MG	CM3855411M	0.55	0.25	in	5.7	4	1.4	4.4	



	PID	LB	KG		L	W	H	ID
ZN	CM3861636Z	0.52	0.24	mm	52	43	30	6
AL	CM3861636A	0.22	0.1					
MG	CM3861636M	0.14	0.06	in	2	1.7	1.2	0.25

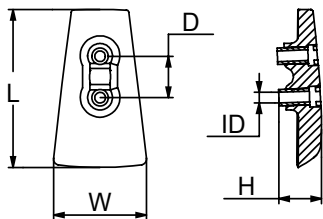


	PID	LB	KG		OD	ID	ID1	D	H
ZN	CM3861634Z	0.65	0.29	mm	78	64	6	18	37
AL	CM3861634A	0.27	0.12						
MG	CM3861634M	0.18	0.08	in	3.1	2.52	0.25	0.71	1.5



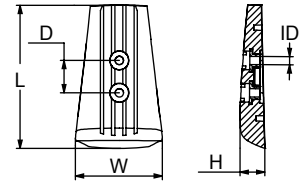
	PID	LB	KG		L	W	H	D	ID
ZN	CM3863206Z	1.57	0.71	mm	132	78	36	35	9
AL	CM3863206A	0.77	0.35						
MG	CM3863206M	0.61	0.28	in	5.2	3.1	1.4	1.4	0.35

DPH/DPR SERIES



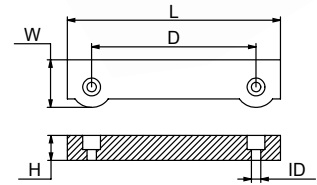
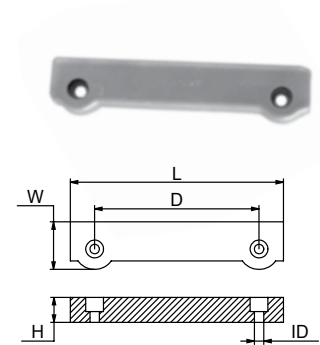
VOLVO PENTA™ ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	CM3883728Z	2.89	1.31	mm	153	91	27	35	9
AL	CM3883728A	1.1	0.5						
MG	CM3883728M	0.71	0.32	in	6	3.6	1.1	1.4	0.4



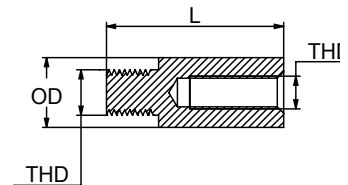
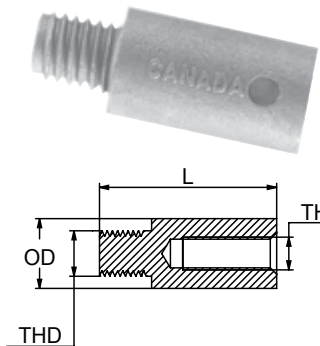
	PID	LB	KG		L	W	H	D	ID
ZN	CM832598Z	2.09	0.95	mm	188	41	22	145	8
AL	CM832598A	0.81	0.37						
MG	CM832598M	0.52	0.24	in	7.4	1.6	0.9	5.7	0.3

250-270-275-280-285 SERIES



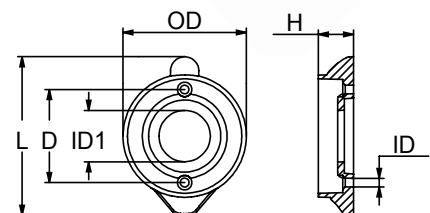
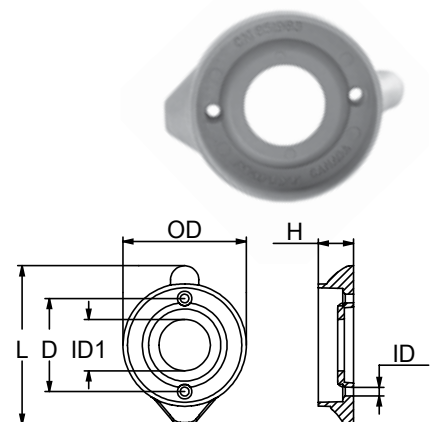
	PID	LB	KG		L	OD	THD	THD1
ZN	CM838929Z	0.11	0.05	mm	43	18	7/16 - 14 UNC	M8
AL	CM838929A	0.04	0.17					
MG	CM838929M	0.02	0.01	in	1.7	0.7		

200-250-270 SERIES



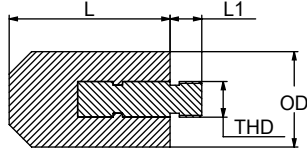
	PID	LB	KG		L	D	OD	ID	ID1	H
ZN	CM851983Z	1.08	0.49	mm	124	73	96	7	40	27
AL	CM851983A	0.53	0.24							
MG	CM851983M	0.42	0.19	in	4.9	2.85	3.8	0.26	1.57	1.1

S. DRIVE 120 SERIES

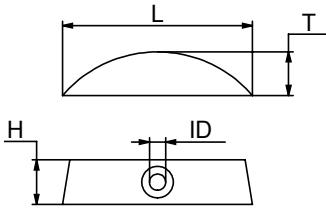


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VOLVO PENTA™ ANODES

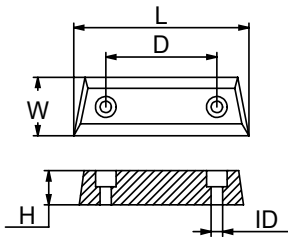


	PID	LB	KG		L	L1	OD	THD
ZN	CM823661Z	0.31	0.14	mm	43	10	26	3/8 - 16 UNC
AL	CM823661A	0.15	0.07					
MG	CM823661M	0.11	0.05	in	1.7	0.4	1	



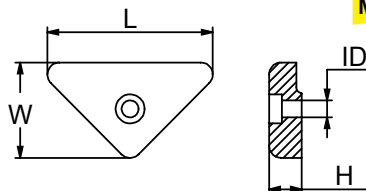
	PID	LB	KG		L	W	T	ID
ZN	CM852018Z (CM850982Z)	0.12	0.05	mm	64	15	15	5
AL	CM852018A (CM850982A)	0.05	0.02					
MG	CM852018M (CM850982M)	0.03	0.01	in	2.5	0.59	0.57	0.21

110-120, S-B, S-C SERIES



	PID	LB	KG		L	W	H	D	ID
ZN	CM852835Z	1.67	0.76	mm	136	46	26	86	9
AL	CM852835A	0.66	0.3						
MG	CM852835M	0.42	0.19	in	5.35	1.81	1	3.4	0.33

DUO PROP 290 SERIES

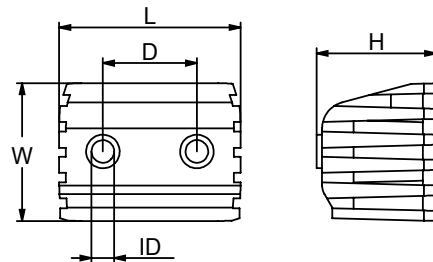


	PID	LB	KG		L	W	H	ID
ZN	CM872793Z	0.24	0.11	mm	66	38	13	6
AL	CM872793A	0.11	0.05					
MG	CM872793M	0.07	0.03	in	2.6	1.5	0.5	0.25

VOLVO PENTA™ ANODES

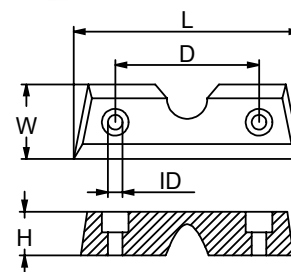
	PID	LB	KG		L	W	H	D	ID
ZN	CM873395Z	0.61	0.28	mm	54	41	36	28	7
AL	CM873395A	0.28	0.13						
MG	CM873395M	0.16	0.07	in	2.1	1.6	1.4	1.1	0.26

DPX SERIES



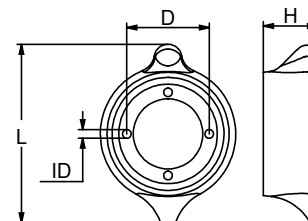
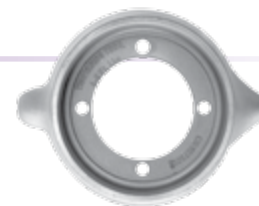
	PID	LB	KG		L	W	H	D	ID
ZN	CM872139Z	1.43	0.65	mm	136	46	26	86	9
AL	CM872139A	0.63	0.29						
MG	CM872139M	0.4	0.18	in	5.35	1.8	1	3.4	0.33

DPX SERIES



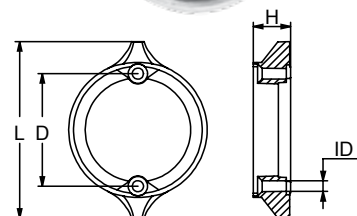
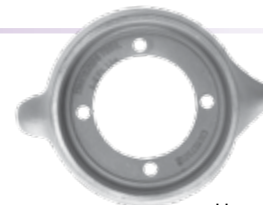
	PID	LB	KG		L	H	D	ID
ZN	CM875812Z	2.03	0.92	mm	140	43	65	6
AL	CM875812A	0.89	0.41					
MG	CM875812M	0.55	0.25	in	5.5	1.7	2.55	0.25

S. DRIVE 110 SERIES



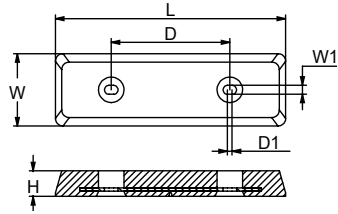
	PID	LB	KG		L	H	D	ID
ZN	CM875821Z	1.28	0.58	mm	145	29	92	9
AL	CM875821A	0.51	0.23					
MG	CM875821M	0.33	0.15	in	5.7	1.2	3.63	0.34

DUO PROP 290 SERIES



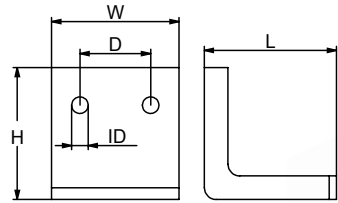
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

VOLVO PENTA™ ANODES



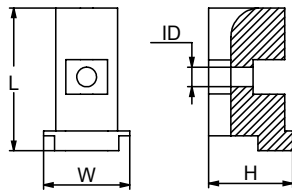
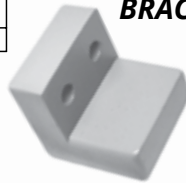
	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM40005875Z	7.95	3.61	mm	268	85	30	138	5	10
AL	CM40005875A	3.33	1.51							
MG	CM40005875M	2.17	0.99	in	10.5	3.3	1.2	5.4	0.21	0.41

IPS



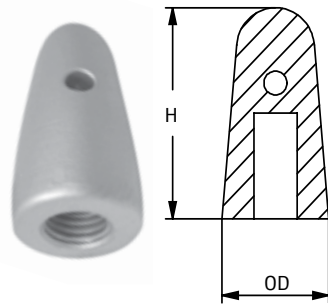
	PID	LB	KG		L	W	H	D	ID
ZN	CM832934Z	1.46	0.66	mm	56	56	54	26	9
				in	2.2	2.2	2.1	1	0.35

BRACKET TRIM 270



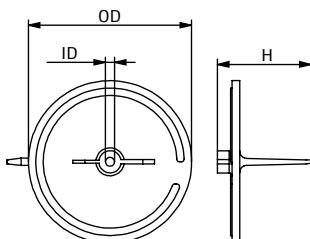
	PID	LB	KG		L	W	H	ID
ZN	CM855105Z	0.35	0.16	mm	60	35	30	7
AL	CM855105A	0.04	0.02					
MG	CM855105M	0.02	0.01	in	2.4	1.4	1.2	0.28

S. DRIVE SERIES



DPX SERIES

	PID	LB	KG		OD	H	THD	Shaft
ZN	CM833913Z	0.66	0.3	mm	37	70	3/4 - 10 UNC	22-25
AL	CM833913A	0.24	0.11					
MG	CM833913M	0.15	0.07	in	1.46	2.76		
ZN	CM833915Z	0.62	0.28	mm	37	70	7/8 - 9 UNC	30
AL	CM833915A	0.24	0.11					
MG	CM833915M	0.15	0.07	in	1.46	2.76		
ZN	CM828140Z	0.11	0.05	mm	46	80	1 - 8 UNC	40-45
AL	CM828140A	0.42	0.19					
MG	CM828140M	0.26	0.12	in	1.81	3.15		



	PID	LB	KG		OD	ID	H
ZN	CMVP339Z	0.93	0.42	mm	110	13	63
				in	4.3	0.5	2.5

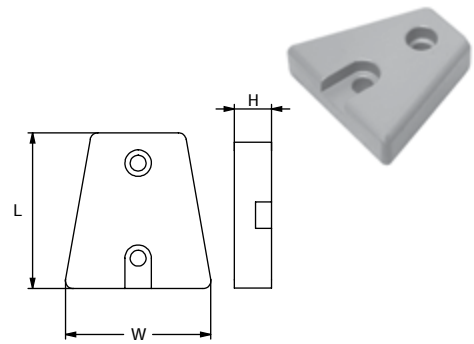
FB SERIES



VOLVO PENTA™ ANODES

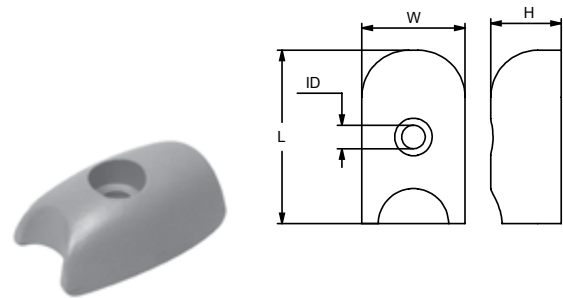
	PID	LB	KG		L	W	H
ZN	CM876638Z	0.47	0.22	mm	59	55	14
				in	2.3	2.2	0.5

DPX SERIES



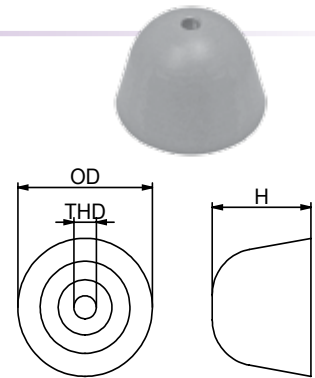
	PID	LB	KG		L	W	H	ID
ZN	SGSP71180Z	0.1	0.05	mm	37	22	15	7
				in	1.5	0.9	0.6	0.3

BOW THRUST

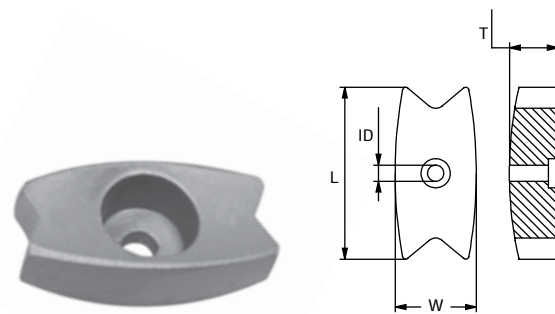


	PID	LB	KG		OD	H	THD
ZN	CM41100098Z	0.12	0.06	mm	30	22	M4
AL	CM41100098A	0.04	0.02				
MG	CM41100098M	0.03	0.01	in	1.2	0.9	

OGIVE BOW THRUST

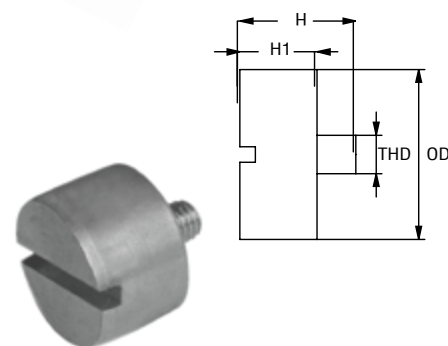


	PID	LB	KG		L	W	ID	T
ZN	CM41100276Z	0.19	0.08	mm	51	25	7	16
				in	2	1	0.26	0.62



	PID	LB	KG		OD	H	H1	THD
ZN	CM8520219Z	0.08	0.04	mm	22	22	14	M6
MG	CM8520219M	0.03	0.01	in	0.9	0.9	0.5	

SEAL DRIVE 100



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

VOLVO PENTA™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.



	PID	LB	KG	Contains	Fits
ZN	CM280KITZ	3.69	1.68	CMV18 X 1 CM832598 X 1	Volvo 280 Engine
AL	CM280KITA	1.7	0.77		
MG	CM280KITM	1.27	0.57		



	PID	LB	KG	Contains	Fits
ZN	CM280DPKITZ	3.26	1.48	CM875821 X 1 CM832598 X 1	Volvo 280 Dual Prop Engine
AL	CM280DPKITA	1.5	0.68		
MG	CM280DPKITM	1.12	0.51		



	PID	LB	KG	Contains	Fits
ZN	CM290KITZ	3.59	1.63	CMV18 X 1 CM852835 X 1	Volvo 290 Engine
AL	CM290KITA	1.54	0.7		
MG	CM290KITM	1.23	0.56		



	PID	LB	KG	Contains	Fits
ZN	CM290DPKITZ	3.35	1.52	CM875821 X 1 CM852835 X 1	Volvo 290 Dual Prop Engine
AL	CM290DPKITA	1.44	0.65		
MG	CM290DPKITM	1.15	0.52		



	PID	LB	KG	Contains	Fits
ZN	CMDPHKITZ	2.65	1.2	CM3588745 X 1 CM3863206 X 1	Volvo DPH Engine
AL	CMDPHKITA	1.22	0.55		
MG	CMDPHKITM	0.91	0.41		

VOLVO PENTA™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMSXKITZ	4.93	2.24	CM3855411 X 1 CM3854130 X 1	Volvo SX Engine
AL	CMSXKITA	2.27	1.03		
MG	CMSXKITM	1.69	0.77		



	PID	LB	KG	Contains	Fits
ZN	CMSXAKITZ	3.35	1.52	CM3841427 X 1 CM3883728 X 1	Volvo SX-A/DPS Engine
AL	CMSXAKITA	1.54	0.65		
MG	CMSXAKITM	1.18	0.54		



	PID	LB	KG	Contains	Fits
ZN	CM3858399KITZ	0.4	0.18	CM3858286 X 3	Volvo Folding Prop 3-blade Engine D2-55A, B, C, D, E, F
AL	CM3858399KITA	0.16	0.07		
MG	CM3858399KITM	0.1	0.04		



VOLVO™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CM290EUKITZ	3.74	1.70	CMV18 X 1 CM852835 X 1 CM872793 X 2	Fits Volvo Penta 290
AL	CM290EUKITA	1.85	0.84		
MG	CM290EUKITM	1.32	0.60		



	PID	LB	KG	Contains	Fits
ZN	CM290DPEUKITZ	2.2	0.54	CM875821 X 1 CM852835 X 1 CM872793 X 1	Fits Volvo Penta 290DP
AL	CM290DPEUKITA	1.67	0.76		
MG	CM290DPEUKITM	1.23	0.56		



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VOLVO™ ANODE KITS

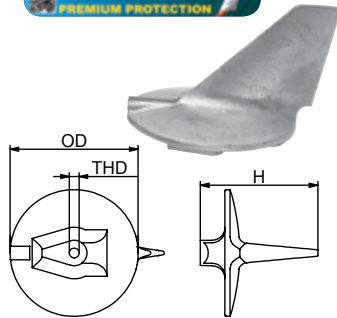
ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CM3584442KITZ	0.70	0.32	CM3584442D X 3	Volvo 4-Blade Folding Prop
AL	CM3584442KITA	0.46	0.21		
MG	CM3584442KITM	0.40	0.18		

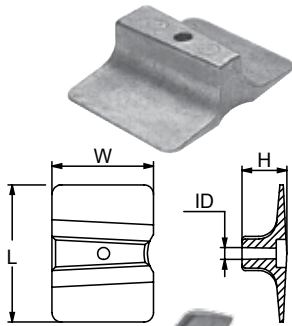


	PID	LB	KG	Contains	Fits
ZN	CMVPIPSKITZ	9.86	4.48	CM3593881 X 1 CM40005875 X 1	VolvoPenta IPS SternDrive
AL	CMVPIPSKITA	4.18	1.90		
MG	CMVPIPSKITM	2.77	1.26		

YAMAHA™ ANODES



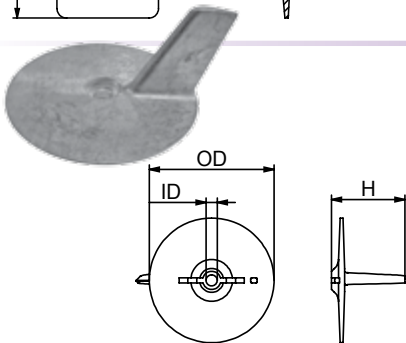
	PID	LB	KG	OD	H	THD	
ZN	CM61A4537100Z	1.38	0.63	mm	99	91	M10x1.25
AL	CM61A4537100A	0.55	0.25	in	3.6	3.9	
MG	CM61A4537100M	0.34	0.16				



	PID	LB	KG	L	H	D	ID
ZN	CM61N4525101Z	0.58	0.26	mm	80	59	6
AL	CM61N4525101A	0.23	0.1	in	3.1	2.3	1
MG	CM61N4525101M	0.16	0.07				

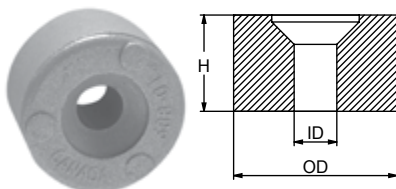
YAMAHA 8 - 9,9 - 13 - 25 - 60 HP

Also apply to Parsun, ALLPASS, Hidea, Tiger, Painier & ShenFeng



	PID	LB	KG	OD	H	ID	
ZN	CM6644537101Z	0.62	0.28	mm	96	57	9
AL	CM6644537101A	0.25	0.11	in	3.8	2.2	0.33
MG	CM6644537101M	0.15	0.07				

Also apply to Parsun, ALLPASS, Hidea, Tiger, Painier & ShenFeng



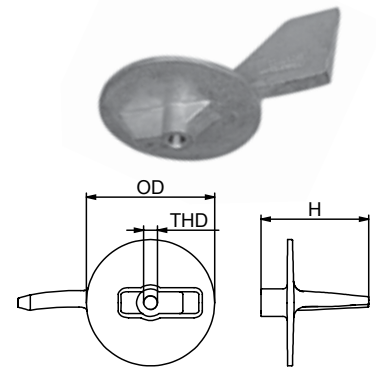
	PID	LB	KG	OD	ID	H	
ZN	CM6884525101Z	0.06	0.03	mm	24	6	14
AL	CM6884525101A	0.03	0.01	in	0.9	0.25	0.55
MG	CM6884525101M	0.02	0.01				

2 - 115 HP / MARINER 40 HP / YAMAHA 70 - 85 HP

YAMAHA™ ANODES

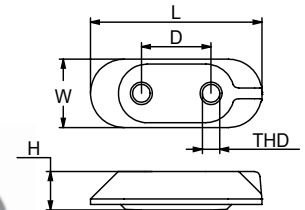
	PID	LB	KG		OD	H	THD
ZN	CM6884537102Z	1.05	0.48	mm	92	77	M10x1.25
AL	CM6884537102A	0.42	0.19				
MG	CM6884537102M	0.25	0.11	in	3.6	3	

YAMAHA 50 - 60 - 70 - 75 - 80 - 85 - 90 HP
 Also apply to Parsun & Painier

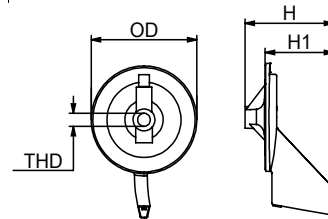


	PID	LB	KG		L	W	H	D	THD
ZN	CM6E04525111Z	0.22	0.1	mm	64	25	14	26	M6
AL	CM6E04525111A	0.09	0.04						
MG	CM6E04525111M	0.08	0.04	in	2.5	1	0.5	1	

YAMAHA 40 HP / YAMAHA 4 - 6 - 8 - 9,9 - 15 HP UP TO 1989
 Also apply to ALLPASS & Painier

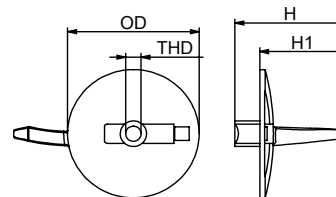


	PID	LB	KG		OD	H	H1	THD
ZN	CM6J94537101Z	1.1	0.5	mm	100	84	65	M10x1.25
AL	CM6J94537101A	0.44	0.2					
MG	CM6J94537101M	0.28	0.13	in	3.9	3.3	2.6	



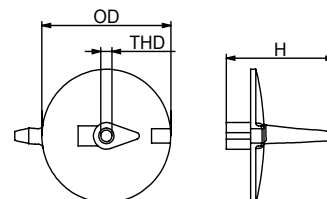
	PID	LB	KG		OD	H	H1	THD
ZN	CM6K14537102Z	1.1	0.5	mm	100	84	65	M10x1.25
AL	CM6K14537102A	0.44	0.2					
MG	CM6K14537102M	0.28	0.13	in	3.9	3.3	2.6	

Counter Rotation to CM6J94537101



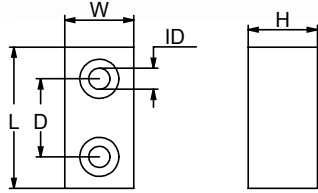
	PID	LB	KG		OD	H	THD
ZN	CM69L4537100Z	1.15	0.52	mm	99	91	M10x1.25
AL	CM69L4537100A	0.46	0.21				
MG	CM69L4537100M	0.32	0.14	in	3.9	3.6	

YAMAHA 200 - 225 - 250 - 300 HP

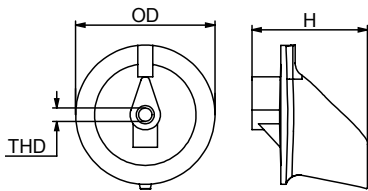


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA™ ANODES

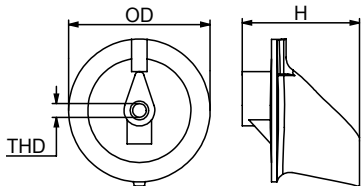
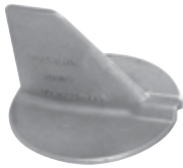


	PID	LB	KG		L	W	H	D	ID
ZN	CM6E54525100Z	0.3	0.14	mm	47	23	23	23	7
AL	CM6E54525100A	0.12	0.05						
MG	CM6E54525100M	0.08	0.04	in	1.8	0.9	0.9	0.9	0.26



	PID	LB	KG		OD	H	THD
ZN	CM6E54537101Z	0.92	0.42	mm	92	76	M10x1.25
AL	CM6E54537101A	0.37	0.17				
MG	CM6E54537101M	0.23	0.11	in	3.6	3	

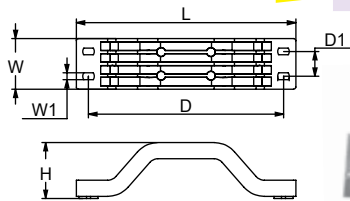
YAMAHA 150 - 200 HP



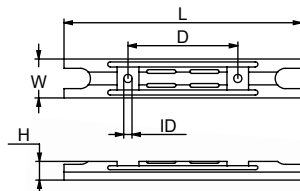
	PID	LB	KG		OD	H	THD
ZN	CM6K14537100Z	0.92	0.42	mm	92	76	M10x1.25
AL	CM6K14537100A	0.37	0.17				
MG	CM6K14537100M	0.23	0.11	in	3.6	3	

Counter Rotation to CM6E54537101

	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM6G54525101Z	2	0.91	mm	203	47	6	52	180	23
AL	CM6G54525101A	0.8	0.37							
MG	CM6G54525101M	0.5	0.23	in	8	1.8	0.24	2	7.1	0.91



V6 UP TO 1989 / YAMAHA 115 - 130 - 150 - 175 - 200 - 225 - 250 HP



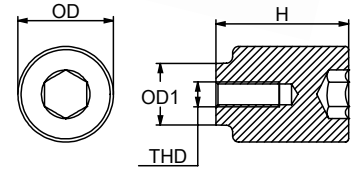
	PID	LB	KG		L	W	H	D	ID
ZN	CM6H14525102Z	1.08	0.49	mm	203	36	17	101	7
AL	CM6H14525102A	0.43	0.2						
MG	CM6H14525102M	0.27	0.12	in	8	1.4	0.7	4	0.28

YAMAHA 60 - 70 - 75 - 80 - 90 - 100 HP
Also apply to Parsun & ALLPASS



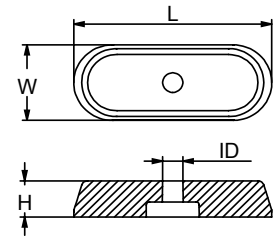
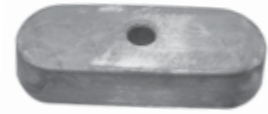
YAMAHA™ ANODES

	PID	LB	KG		OD	OD1	H	THD
ZN	CM68V1132501Z	0.15	0.07	mm	23	15	33	M6
AL	CM68V1132501A	0.06	0.03					
MG	CM68V1132501M	0.04	0.02	in	0.9	0.6	1.3	



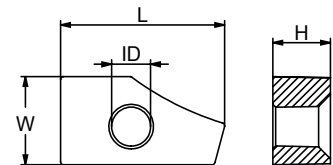
	PID	LB	KG		L	W	H	ID
ZN	CM68T4525100Z	0.22	0.1	mm	64	25	12	7
AL	CM68T4525100A	0.09	0.04					
MG	CM68T4525100M	0.06	0.03	in	2.5	1	0.5	0.3

YAMAHA F6 - F8 - F9,9
Also apply to Hidea & Tiger



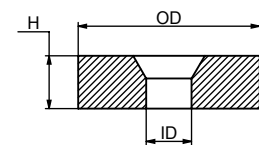
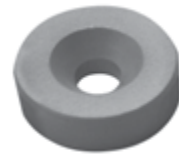
	PID	LB	KG		L	W	H	ID
ZN	CM6891132500Z	0.05	0.02	mm	28	15	10	6
AL	CM6891132500A	0.02	0.01					
MG	CM6891132500M	0.01	0.01	in	1.1	0.59	0.39	0.24

Also apply to Parsun



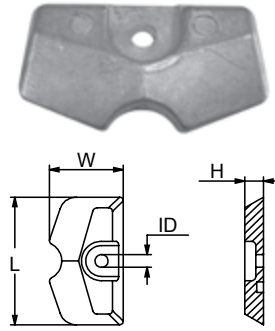
	PID	LB	KG		OD	H	ID
ZN	CM41106ZW000Z	0.04	0.02	mm	24	7	7
AL	CM41106ZW000A	0.02	0.01				
MG	CM41106ZW000M	0.01	0.005	in	0.9	0.3	0.26

2 - 115 HP / MARINER 2 - 25 HP / YAMAHA 2 - 25 HP



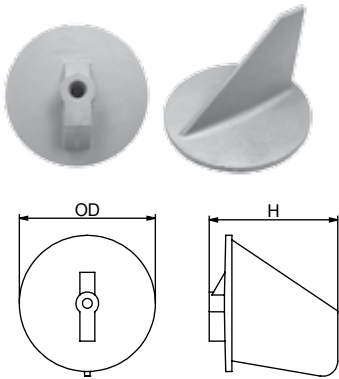
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA™ ANODES



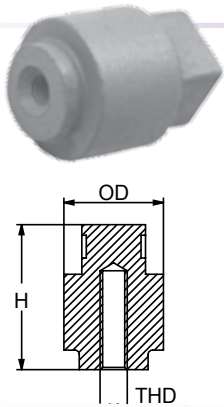
	PID	LB	KG		L	W	H	ID
ZN	CM6L54525102Z	0.13	0.06	mm	60	34	9	6
AL	CM6L54525102A	0.05	0.02					
MG	CM6L54525102M	0.03	0.02	in	2.4	1.3	0.3	0.2

Also apply to Parsun



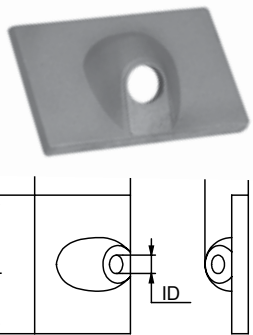
	PID	LB	KG		OD	H
ZN	CM6794525100Z	1.23	0.56	mm	90	85
				in	3.5	3.3

MARINER 40 - 60 HP 10 X 1,25 / MARINER 40 - 60 HP 7/16" / YAMAHA 55 HP 10 X 1,25



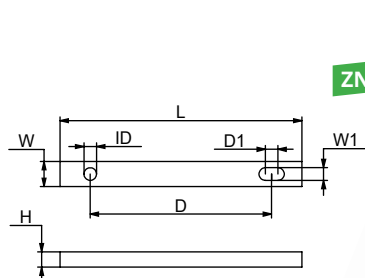
	PID	LB	KG		OD	H	THD
ZN	CM67F1132500Z	0.14	0.06	mm	22	32	M6
				in	0.9	1.3	

80-100 HP



	PID	LB	KG		L	W	H	ID
ZN	CM42121Z	0.07	0.03	mm	42	29	11	7
				in	1.66	1.1	0.42	0.28

6-9.9 HP MARINER



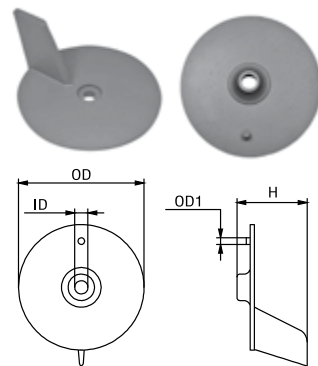
	PID	LB	KG		L	W	W1	H	D	D1	ID
ZN	CM825271Z	0.64	0.29	mm	193	19	6	12	167	8	6
				in	7.6	0.75	0.25	0.5	6.58	0.32	0.25



YAMAHA™ ANODES

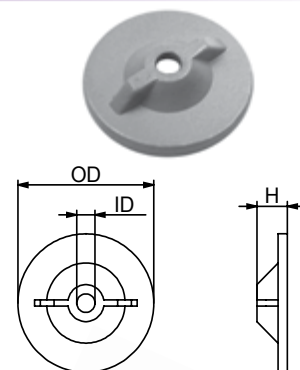
	PID	LB	KG		OD	OD1	ID	H
ZN	CM82795MZ	0.42	0.19	mm	95	5	9	53
AL	CM82795MA	0.15	0.07					
MG	CM82795MM	0.11	0.05	in	3.7	0.19	0.33	2.1

25-30 HP YAMAHA



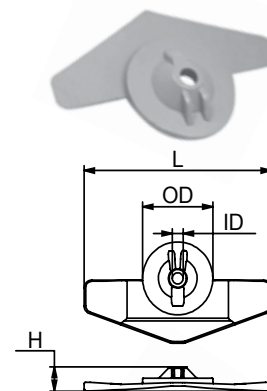
	PID	LB	KG		OD	ID	H
ZN	CM6E84525100Z	0.14	0.06	mm	45	6	10
				in	1.8	0.25	0.4

9.9 HP



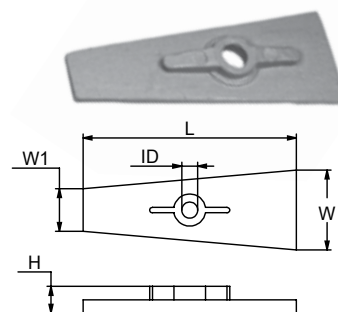
	PID	LB	KG		L	H	ID	OD
ZN	CM6E84525102Z	0.32	0.15	mm	120	15	7	45
				in	4.7	0.59	0.27	1.8

9.9-15 HP



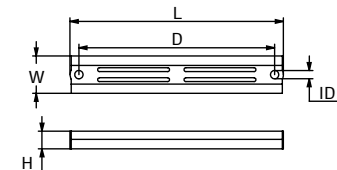
	PID	LB	KG		L	W	W1	H	ID
ZN	CM6G14525102Z	0.07	0.03	mm	80	30	14	6	7
				in	3.1	1.2	0.5	0.24	0.27

6-8 HP UP TO 1989



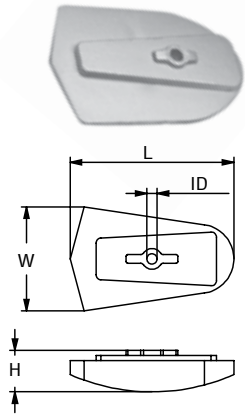
	PID	LB	KG		L	W	H	D	ID
ZN	CM6H14525101Z	1.23	0.56	mm	205	36	17	188	8
				in	8	1.42	0.67	7.4	0.31

YAMAHA 40 - 50 - 55 - 70 - 85 - 90 HP



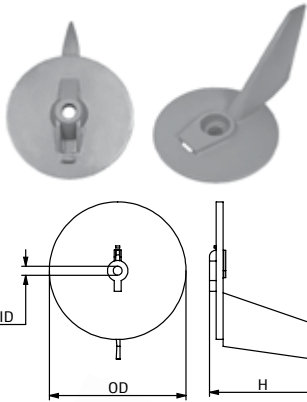
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA™ ANODES



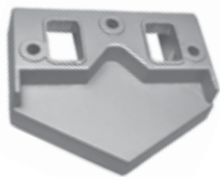
	PID	LB	KG		L	W	H	ID
ZN	CM6G14525103Z	0.37	0.17	mm	95	60	13	6
				in	3.7	2.4	0.5	0.25

YAMAHA 6 HP UP TO 2000 - 8 HP



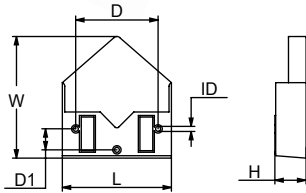
	PID	LB	KG		OD	ID	H
ZN	CM6T54537100Z	1.15	0.52	mm	100	11	88
				in	3.9	0.43	3.46

130-160 HP



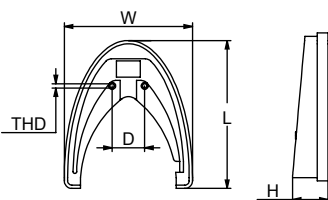
	PID	LB	KG		L	W	H	D	D1	ID
ZN	CM6T44583600Z	3.17	1.44	mm	150	130	39	118	25	9
				in	5.9	5.1	1.54	4.65	0.98	0.35

V8



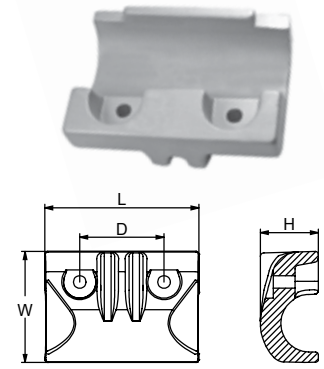
	PID	LB	KG		L	W	H	D	THD
ZN	CM6T54537300Z	2.36	1.07	mm	137	156	33	64	M8x1.25
				in	5.4	4.6	1.3	2.52	

**130-260 HP
YAMAHA STERN DRIVE 1989**



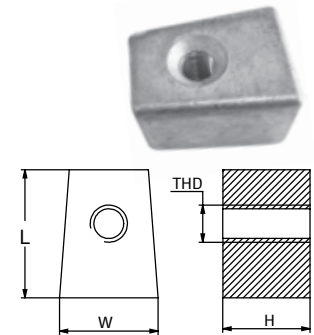
YAMAHA™ ANODES

	PID	LB	KG		L	W	H	D
ZN	CM63D4525101Z	1.19	0.54	mm	85	62	32	47
				in	3.3	2.4	1.3	1.85



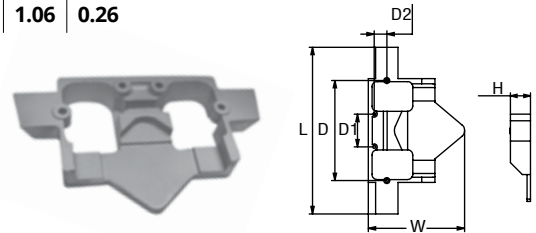
	PID	LB	KG		L	W	H	THD
ZN	CM67C4525100Z	0.26	0.12	mm	35	25	24	M8x1.25
AL	CM67C4525100A	0.12	0.05					
MG	CM67C4525100M	0.07	0.03	in	1.36	1	0.93	

OUTBOARD



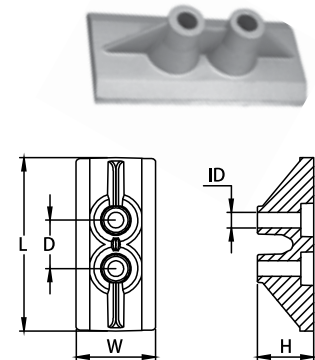
	PID	LB	KG		L	W	H	D	D1	D2	ID
ZN	CM6U04525100Z	3.3	1.5	mm	230	130	30	146	35	27	7
				in	9	5.1	1.18	5.75	1.37	1.06	0.26

YAMAHA TD IN OUTBOARDS



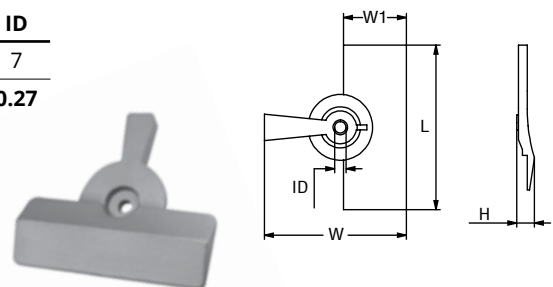
	PID	LB	KG		L	W	H	D	ID
ZN	CM6U34525101Z	0.62	0.28	mm	100	45.7	32.5	28	9
				in	3.94	1.80	1.28	1.10	0.35
AL	CM6U34525101A	0.24	0.11						
MG	CM6U34525101M	0.15	0.07						

YAMAHA TD IN OUTBOARDS



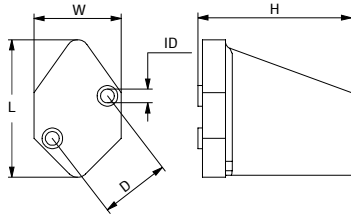
	PID	LB	KG		L	W	W1	H	ID
ZN	CM6G84525101Z	0.44	0.2	mm	100	9	37	20	7
				in	3.9	0.35	1.46	0.79	0.27

9.9 HP



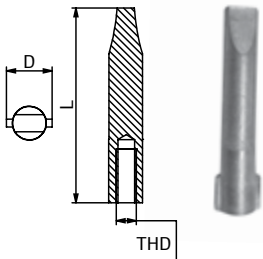
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA™ ANODES



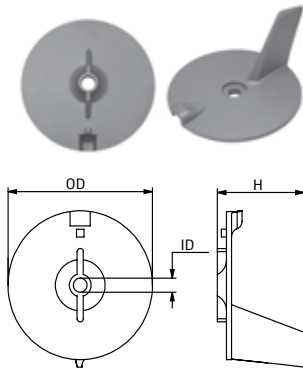
	PID	LB	KG		L	W	H	D	ID
ZN	CM66M4537100Z	0.18	0.08	mm	53	38	65	31	7
				in	2.1	1.5	2.6	1.22	0.28

YAMAHA 9,9 - 15 HP



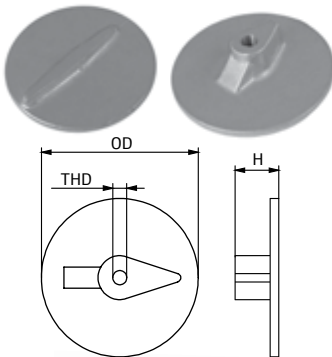
	PID	LB	KG		L	D	THD
ZN	CM62Y1132500Z	0.04	0.02	mm	50	11	M5
				in	2	0.43	

Also apply to Parsun



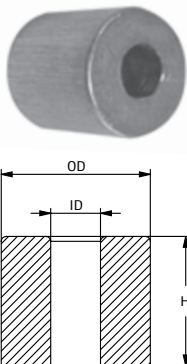
	PID	LB	KG		OD	ID	H
ZN	CM67C4537100Z	0.46	0.21	mm	95	9	57
AL	CM67C4537100A	0.2	0.09				
MG	CM67C4537100M	0.11	0.05	in	3.7	0.35	2.2

F25 - F30 - F40 - F50 - F60



	PID	LB	KG		OD	H	THD
ZN	CM6E54537110Z	0.51	0.23	mm	90	22	M10x1.25
				in	3.5	0.87	

YAMAHA 60 - 70 - 80 - 90 - 115 - 130 - 150 - 175 - 200 - 225 - HP



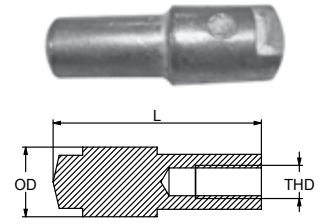
	PID	LB	KG		OD	ID	H
ZN	CM6G81132500Z	0.03	0.01	mm	14	5	16
				in	0.54	0.21	0.63

4 - 6 - 8 - 9 - 9,9 - 15 - 20 - 25 - 30 - 40 - 50 - 60 - 70 HP

YAMAHA™ ANODES

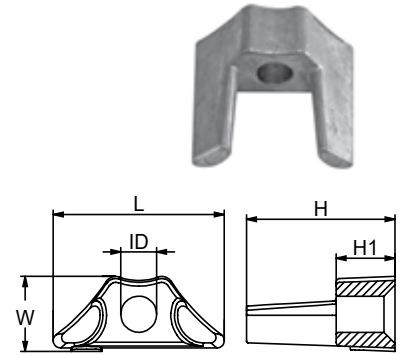
	PID	LB	KG		L	OD	THD
ZN	CM66M1132500Z	0.03	0.01	mm	32	11	5
AL	CM66M1132500A	0.01	0.01				
MG	CM66M1132500M	0.01	0.01	in	1.3	0.4	0.2

YAMAHA 9,9 - 15 - 200 - 225 - 250 - 300 HP

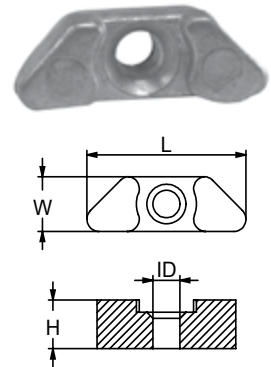


	PID	LB	KG		L	W	H	H1	ID
ZN	CM6881132500Z	0.02	0.01	mm	23	10	20	8	5
AL	CM6881132500A	0.01	0.01						
MG	CM6881132500M	0.01	0.01	in	0.9	0.4	0.8	0.3	0.2

YAMAHA 40 - 50 - 75 - 80 - 85 - 90 HP

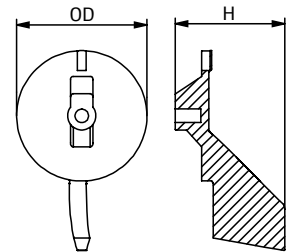


	PID	LB	KG		L	W	H	ID
ZN	CM6E51132500Z	0.02	0.01	mm	27	9	10	5
AL	CM6E51132500A	0.01	0.01					
MG	CM6E51132500M	0.01	0.01	in	1.1	0.4	0.4	0.2

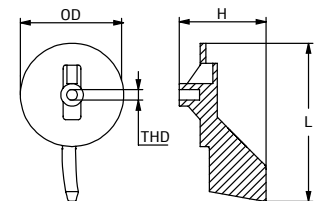


	PID	LB	KG		OD	H	THD
ZN	CM67F4537100Z	0.87	0.4	mm	91	76	M10z1.25
				in	3.58	3	

YAMAHA V6 - 60 - 70 - 75 - 85 - 90 - 115 - 130 - 150 - 175 - 200 - 225 HP

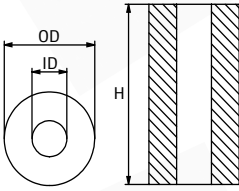


	PID	LB	KG		OD	L	H	THD
ZN	CM6J94537100Z	1.14	0.52	mm	100	140	85	M10 x1.25
				in	3.94	5.51	3.35	

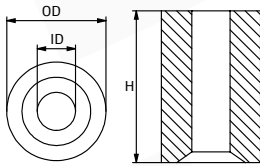


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

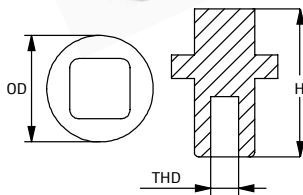
YAMAHA™ ANODES



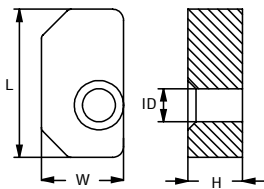
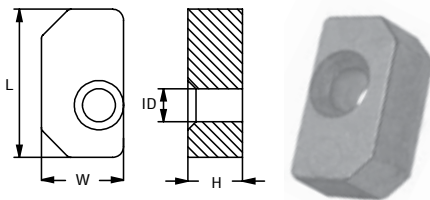
	PID	LB	KG		OD	ID	H
ZN	CM6BL1132500Z	0.04	0.02	mm	13	5	25
				in	0.51	0.2	1



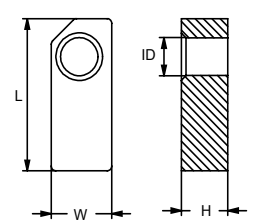
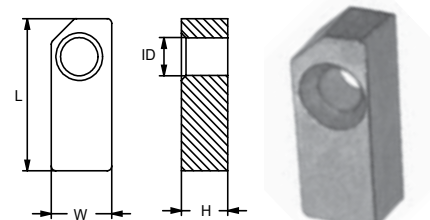
	PID	LB	KG		OD	ID	H
ZN	CM68T1132500Z	0.04	0.02	mm	13	5	20
				in	0.51	0.2	0.79



	PID	LB	KG		OD	H	THD
ZN	CM67F1132501Z	0.08	0.04	mm	23	32	M6
				in	0.9	1.26	

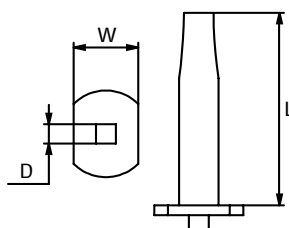


	PID	LB	KG		L	W	H	ID
ZN	CM63P1132511Z	0.05	0.02	mm	27	15	10	7
				in	1.06	0.59	0.39	0.28



	PID	LB	KG		L	W	H	ID
ZN	CM63P1132501Z	0.03	0.01	mm	32	13	10	7
				in	1.26	0.51	0.39	0.28

YAMAHA 150 - 200 - 225 - 250 - 300 - 350 HP



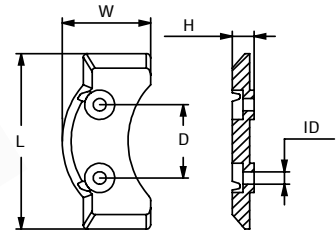
	PID	LB	KG		L	W	D
ZN	CM61A1132500Z	0.05	0.02	mm	70	13	4
				in	2.76	0.51	0.16



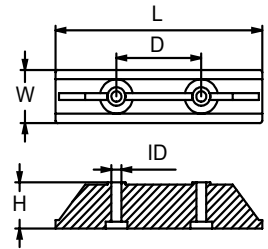
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YAMAHA™ ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	CM6U44537300Z	0.73	0.33	mm	120	70	14	50	9
				in	4.72	2.76	0.55	1.97	0.33



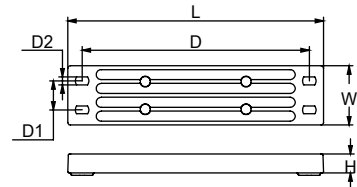
	PID	LB	KG		L	W	H	D	ID
ZN	CM6U44525100Z	1.51	0.68	mm	185	46	33	76	9
				in	7.28	1.81	1.3	3	0.35



	PID	LB	KG		L	W	H	D	D1	D2
ZN	CM6AW4525100Z	1.46	0.663	mm	203	47	15	180.35	23	7.4
AL	CM6AW4525100A	0.56	0.254							
MG	CM6AW4525100M	0.35	0.161	in	7.99	1.85	0.59	7.1	0.90	0.29

Yamaha OB Engine Anode 6AW-45251-00

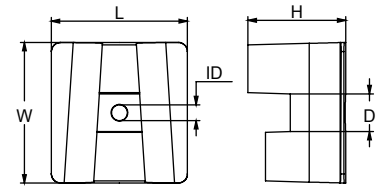
NEW



	PID	LB	KG		L	W	H	ID	D
ZN	CM6AW4537300Z	2.42	1.097	mm	90	93	35.5	11	25
MG	CM6AW4537300M	0.59	0.267	in	3.54	3.66	1.39	0.43	0.98

Yamaha OB Engine Anode 6AW-45373-00

NEW

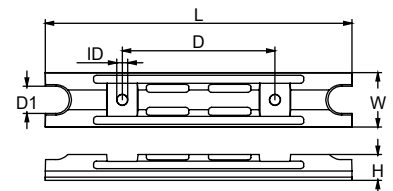


	PID	LB	KG		L	W	H	ID	D	D1
ZN	CM6H14525102Z	1.08	0.494	mm	203	36	17	7	101	18
MG	CM6H14525102M	0.27	0.122	in	7.99	1.42	0.67	0.27	3.97	0.71

Yamaha OB Engine Anode 6H1-45251-02

UPC

NEW



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



YAMAHA™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
AL	CMY150KITA	1.28	0.58	CM6G54525101 X 1 CM6J94537101 X 1	Yamaha 150-200 HP Outboards
MG	CMY150KITM	0.89	0.4		



	PID	LB	KG	Contains	Fits
AL	CMY150CRKITA	1.28	0.58	CM6G54525101 X 1 CM6K14537102 X 1	Yamaha 150-200 HP Outboards (Counter Rotation)
MG	CMY150CRKITM	0.8	0.36		



	PID	LB	KG	Contains	Fits
AL	CMY200250KITA	1.39	0.63	CM6G54525101 X 1 CM61A4537100 X 1	Yamaha 200-250 HP Outboards
MG	CMY200250KITM	0.97	0.44		



	PID	LB	KG	Contains	Fits
AL	CMYHP200300KITA	1.3	0.59	CM6G54525101 X 1 CM69L4537100 X 1	Yamaha High Performance 200 - 300 HP Outboards
MG	CMYHP200300KITM	0.85	0.39		



YAMAHA MARINER™ ANODE KITS **NEW**

	PID	LB	KG	Contains	Fits
ZN	CMY6090KITZ	2.429	1.102	CM6884537102 X 1 CM6H14525102 X 1	Yamaha 60-90HP
AL	CMY6090KITA	1.16	0.525		
MG	CMY6090KITM	0.873	0.396		



	PID	LB	KG	Contains	Fits
ZN	CMY4060KITZ	1.79	0.81	CM65W4525100 X 3 CM67C4525100 X 1 CM67C4537100 X 1	Yamaha 4T 40-60 HP
AL	CMY4060KITA	0.92	0.42		
MG	CMY4060KITM	0.74	0.34		

YAMAHA MARINER™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CMY4050KITZ	2.49	1.13	CM6644537101 X 1 CM65W4525100 X 1 CM63D4525101 X 1 CM67C4525100 X 1 CM6881132500 X 1	Yamaha 40-50HP
AL	CMY4050KITA	1.08	0.49		
MG	CMY4050KITM	0.75	0.34		



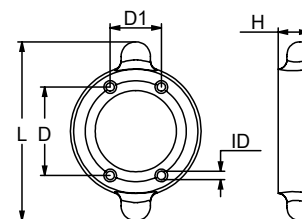
	PID	LB	KG	Contains	Fits
ZN	CMY80100KITZ	2.27	1.03	CM6H14525102 X 1 CM67F4537100 X 1 CM67F1132500 X 1	Yamaha 80-100HP
AL	CMY80100KITA	0.99	0.45		
MG	CMY80100KITM	0.68	0.31		



YANMAR™ ANODES

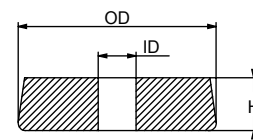
	PID	LB	KG	L	D	D1	ID	H
ZN	CM19642002652Z	1.88	0.85	mm	148	73	42	7
				in	5.8	2.9	1.67	0.3

YANMAR - SD 20 - 30 - 40 - 50 - 60



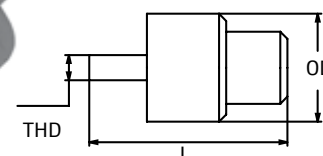
	PID	LB	KG	OD	ID	H
ZN	SGMA015Z	0.44	0.2	mm	53	14
				in	2.1	0.39

70-85 HP



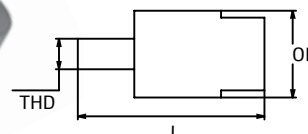
	PID	LB	KG	L	OD	THD
ZN	SGYN068Z	0.36	0.17	mm	55	30
				in	2.2	1.2

8-10 HP W/ THREADSTEEL CORE



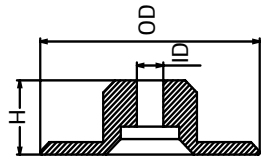
	PID	LB	KG	L	OD	THD
ZN	SGYN069Z	0.15	0.07	mm	43	20
				in	1.7	0.8
ZN	SGYN224Z	0.1	0.044	mm	36	20
				in	1.42	0.80

YANMAR 8 - 12 HP W/ THREADSTEEL CORE



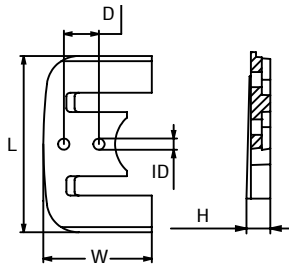
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

YANMAR™ ANODES

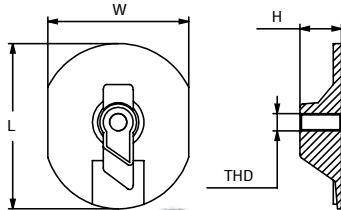


	PID	LB	KG		OD	ID	H
ZN	SGYN261Z	0.42	0.19	mm	75	9	24
				in	2.9	0.35	0.9

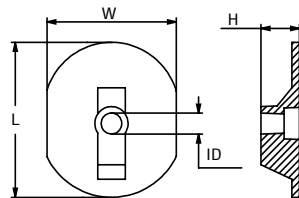
YANMAR SERIES



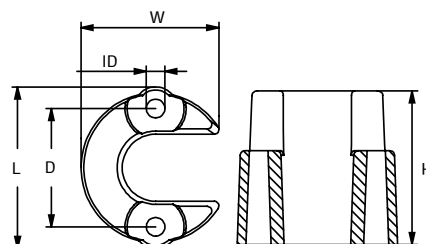
	PID	LB	KG		L	W	D	ID	H
ZN	SGYN245Z	2	0.91	mm	178	108	35	11	17
				in	7	4.25	1.38	0.44	0.68



	PID	LB	KG		L	W	D	THD
ZN	SGYN744Z	0.68	0.31	mm	96	82	24	M10
				in	3.79	3.23	0.96	x1.5



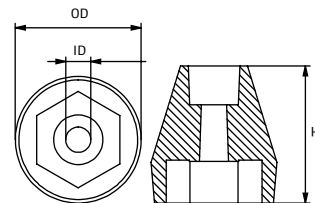
	PID	LB	KG		L	W	H	ID
ZN	SGYN745Z	0.64	0.29	mm	96	82	24	12
				in	3.79	3.23	0.96	0.47



	PID	LB	KG		L	W	H	D	ID
ZN	SGYN746Z	0.64	0.29	mm	1	7	4	7	6
				in	0.04	0.28	0.16	0.28	0.24

YANMAR™ ANODES

	PID	LB	KG	OD	ID	H
ZN	SGYN747Z	1.13	0.51	mm	54	11
				in	2.11	0.44



YANMAR™ ANODE KITS

ALL KITS INCLUDE FASTENING HARDWARE, INSTALLATION INSTRUCTIONS, AND ALL OF THE ANODES REQUIRED FOR 100% PROTECTION.

	PID	LB	KG	Contains	Fits
ZN	CM19644002660KITZ	0.8	0.36	CM19644002660 X 1	Yanmar SD20, SD30, SD31, SD40, SD50 and SD60 Saildrives



PID	Fits
CM19644002690	Yanmar SD20, SD30, SD31, SD40, SD50 and SD60 Saildrives

ADAPTER MOUNTING KIT: Enables the installation of a split ring anode onto the lower units of Yanmar SD20, SD30, SD31, SD40, SD50 and SD60 saildrives. Contains: 2 x Stainless Steel Plates, 4 x Screw DIN7991 (countersink w/hex socket head) M6 x 1.0 - 16, 2 x Screw DIN912 (Hex Socket Head) M8 x 1.25 - 20



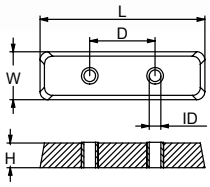
	PID	LB	KG	Contains	Fits
ZN	SGYNZT350Z	6.14	2.79	-SGYN245 X 1 -SGYN745 X 1 -SGYN747 X 1 -SGYN744 X 1 -SGYN746 X 2	Yanmar SD20, SD30, SD31, SD40 and SD50 Saildrives



	PID	LB	KG	Contains	Fits
ZN	CM11977392600KITZ	0.88	0.40	CME2Z X 1 CME1FZ X 4	Yanmar 119773-92600



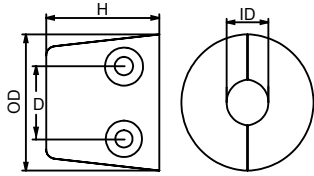
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



BENNETT TRIM TAB™ ANODES AND KITS

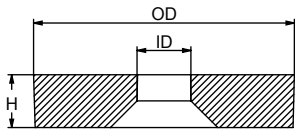
	PID	LB	KG	L	W	H	D	ID	
ZN	CMBNT1AZ	0.45	0.2	mm	96	25	15	38	7
AL	CMBNT1AA	0.17	0.08	in	3.78	1.1	0.57	1.5	0.26
MG	CMBNT1AM	0.12	0.05						

	PID	LB	KG	L	W	H	D	ID	
ZN	CMBNT1AKITZ	1.2	0.54	mm	96	25	15	38	7
AL	CMBNT1AKITA	0.44	0.2	in	3.78	1.1	0.57	1.5	0.26
MG	CMBNT1AKITM	0.32	0.15						



DE-ICER/AERATOR ANODES

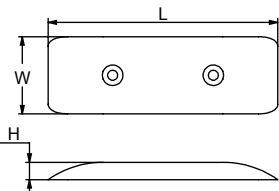
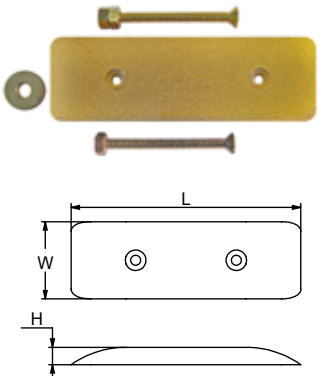
	PID	LB	KG	OD	ID	D	H	
ZN	CMDEICERZ	0.34	0.15	mm	38	13	20	32
AL	CMDEICERA	0.15	0.07	in	1.5	0.5	0.8	1.26
MG	CMDEICERM	0.1	0.05					



FRIGO-BOAT™ ANODES

	PID	LB	KG	OD	ID	H	
ZN	CM51525Z	0.08	0.04	mm	35	7	7
AL	CM51525A	0.04	0.02	in	1.36	0.28	0.28
MG	CM51525M	0.02	0.01				

GROUND PLATE ANODES



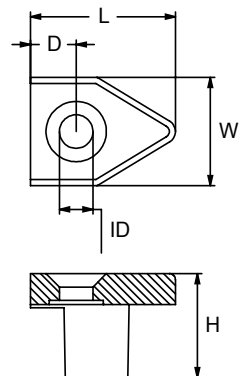
PID	LB	KG	L	W	H	Fastener	
10421419	3	1.4	mm	152	51	13	¼ - 20
			in	6	2	0.5	
10421420	5	2.3	mm	203	64	13	¼ - 20
			in	8	2.5	0.5	
10421421	7	3.2	mm	305	76	13	⅜ - 16
			in	12	3	0.5	
10421422	13	5.9	mm	456	152	13	⅜ - 16
			in	18	6	0.5	

Washer Material: Bronze | Bolt Material: Bronze/Gold-Plated | Nut Material: Bronze/Gold-Plated

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

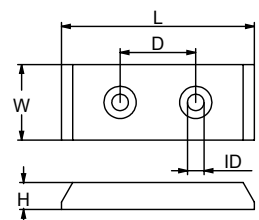
LINE CUTTER ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	CMLCAZ	0.035	0.016	mm	24	18	17	8	5
AL	CMLCAA	0.014	0.006						
MG	CMLCAM	0.009	0.004						
ZN	CMLCBZ	0.035	0.016	in	0.9	0.7	0.7	0.3	0.2
AL	CMLCBA	0.014	0.006						
MG	CMLCBM	0.009	0.004						
ZN	CMLCCDEZ	0.097	0.044	mm	30	26	31	13	5
AL	CMLCCDEA	0.038	0.017						
MG	CMLCCDEM	0.024	0.011						
ZN	CMLCF1Z	0.14	0.06	mm	49	26	44	25	5
AL	CMLCF1A	0.055	0.025						
MG	CMLCF1M	0.035	0.016						

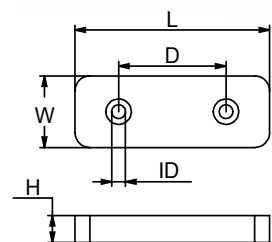


SEA STRANER ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	CMSZ1Z	0.58	0.27	mm	97	38	14	38	8
AL	CMSZ1A	0.23	0.11						
MG	CMSZ1M	0.16	0.07	in	3.8	1.5	0.5	1.5	0.3

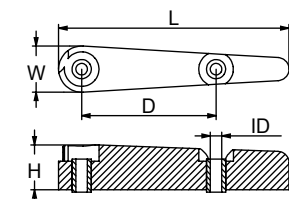


	PID	LB	KG		L	W	H	D	ID
ZN	CM656934Z (DOKA)	0.35	0.16	mm	83	31	11	46	6
AL	CM656934A (DOKA)	0.14	0.06						
MG	CM656934M (DOKA)	0.10	0.04	in	3.25	1.20	0.45	1.80	0.23



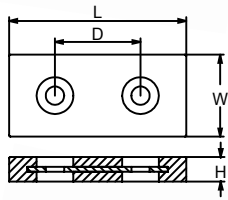
TWIN DISC™ ANODES

	PID	LB	KG		L	W	H	D	ID
ZN	ARNSMALLZ	1.53	0.69	mm	156	32	32	89	8
AL	ARNSMALLA	0.60	0.27						
MG	ARNSMALLM	0.43	0.20	in	6.13	1.25	1.25	3.50	0.30
ZN	ARNLARGEZ	4.16	1.89	mm	191	48	48	127	10
AL	ARNLARGEA	1.63	0.74						
MG	ARNLARGEM	1.17	0.53	in	7.50	1.88	1.88	5.00	0.40

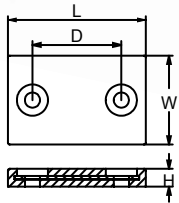


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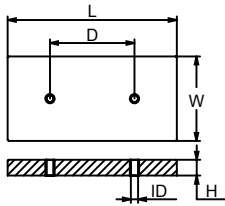
TWIN DISK™ ANODES



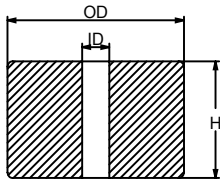
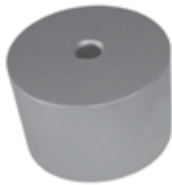
	PID	LB	KG		L	W	H
ZN	CMFL465Z	2.63	1.19	mm	145	67	20
				in	5.71	2.64	0.79



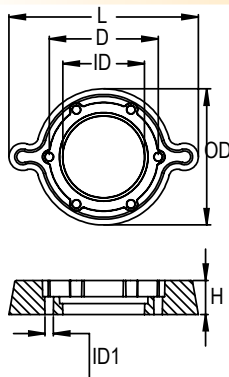
	PID	LB	KG		L	W	D	H
ZN	CMAR580Z	4.26	1.94	mm	155	100	75	20
				in	6.10	3.94	2.95	0.79



	PID	LB	KG		L	W	D	H
ZN	CMAR670Z	18.38	8.35	mm	300	150	125	28
				in	11.81	5.91	4.92	1.10



	PID	LB	KG		OD	H	ID
ZN	CMAR671Z	2.09	0.95	mm	65	43	10
				in	2.56	1.69	0.39



ZN

	PID	LB	KG		L	H	D	OD	ID	ID1
ZN	CMAR672Z	1.37	0.62	mm	139	25	80	100	60	7
				in	5.12	1	3.15	3.94	2.36	0.28



TECHNODRIVE SP60 SAILDRIVE

ENGINE COOLING SYSTEM ANODES

	PID	LB	KG		L	OD	NPT
ZN	CME00Z	0.05	0.02	mm	51	6	1/8
				in	2	1/4	
ZN	CME0Z	0.09	0.04	mm	45	10	1/4
				in	1¾	3/8	
ZN	CME1Z	0.17	0.08	mm	45	13	3/8
				in	1¾	1/2	
ZN	CME1DZ	0.15	0.07	mm	45	13	3/8
				in	1¾	1/2	
ZN	CME1EZ	0.15	0.07	mm	38	13	3/8
				in	1½	1/2	
ZN	CME1FZ	0.13	0.06	mm	32	13	3/8
				in	1¼	1/2	
ZN	CME1GZ	0.1	0.05	mm	25	13	3/8
				in	1	1/2	
ZN	CME1HZ	0.13	0.06	mm	51	10	3/8
				in	2	3/8	
ZN	CME2Z	0.29	0.13	mm	51	16	1/2
				in	2	5/8	
ZN	CME2SZ	0.22	0.1	mm	38	16	1/2
				in	1½	5/8	
ZN	CME3Z	0.44	0.2	mm	51	19	3/4
				in	2	3/4	
ZN	CME3SZ	0.33	0.15	mm	19	19	3/4
				in	3/4	3/4	
ZN	CME4Z	0.62	0.28	mm	86	19	3/4
				in	3 ¾	3/4	
ZN	CME5Z	0.64	0.29	mm	92	19	3/4
				in	5 ¾	3/4	
ZN	CME2BSPZ	0.28	0.13	mm	51	16	1/2
				in	2	5/8	
ZN	CME3BSPZ	0.46	0.21	mm	51	19	3/4
				in	2	3/4	
ZN	CME0AZ	0.12	0.05	mm	63	10	1/4
				in	2 ½	3/8	
ZN	CME2BZ	0.50	0.23	mm	76	16	1/2
				in	3	5/8	



PID	LB	KG	NPT	UNC
CMEP00	0.02	0.01	1/8	1/4
CMEP0	0.05	0.02	1/4	5/16
CMEP1	0.11	0.06	3/8	3/8
CMEP2	0.15	0.07	1/2	7/16
CMEP3	0.22	0.1	3/4	1/2
CMEP2BSP	0.15	0.07	1/2	7/16
CMEP3BSP	0.22	0.10	3/4	1/2

BRASS PLUG REPLACEMENT



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

ANODE REPLACEMENT



ENGINE COOLING SYSTEM ANODES

	PID	LB	KG	L	OD	NPT	UNC
ZN	CMEZ00Z	0.026	0.012	mm 51 in 1.9	6 1/4	-	1/4
ZN	CMEZ0Z	0.053	0.024	mm 45 in 1 3/4	10 3/8	-	5/16
ZN	CMEZ1Z	0.11	0.05	mm 45 in 2	13 1/2	-	3/8
ZN	CMEZ1DZ	0.07	0.03	mm 45 in 1 3/4	13 1/2	-	3/8
ZN	CMEZ1EZ	0.09	0.04	mm 38 in 1 1/2	13 1/2	-	3/8
ZN	CMEZ1FZ	0.07	0.03	mm 32 in 1 1/4	13 1/2	-	3/8
ZN	CMEZ1GZ	0.06	0.03	mm 25 in 1	13 1/2	-	3/8
ZN	CMEZ1HZ	0.07	0.028	mm 51 in 2	10 3/8	-	3/8
ZN	CMEZ2Z	0.15	0.07	mm 51 in 2	16 5/8	-	7/16
ZN	CMEZ2SZ	0.13	0.06	mm 38 in 1 1/2	16 5/8	-	7/16
ZN	CMEZ3Z	0.22	0.1	mm 51 in 2	19 3/4	-	1/2
ZN	CMEZ3SZ	0.17	0.08	mm 19 in 3/4	19 3/4	-	1/2
ZN	CMEZ4Z	0.38	0.17	mm 86 in 3 3/8	19 3/4	-	1/2
ZN	CMEZ5Z	0.41	0.19	mm 92 in 3 5/8	19 3/4	-	1/2

	ENGINE	PID	L	OD	NPT	UNC
ZN	AIFO	CM8105277Z	mm 26	14	--	Ø10
ZN	AIFO	CM8105277PZ	mm 26	14	M18 x1.5	--
Plug	AIFO	CMEBP1018Z	mm --	--	18 x1.5	Ø10
ZN	AIFO	CM8101772Z	mm 20	20	--	Ø14
ZN	AIFO	CM8101772PZ	mm 20	20	M28 x1.5	--
Plug	AIFO	CMEBP1428	mm --	--	M28 x1.5	Ø14
ZN	AIFO	CMAF920Z	mm 20	9	--	Ø4.5
ZN	AIFO	CMAF920PZ	mm 20	9	M12 x1.5	--
Plug	AIFO	CMEBP4512	mm --	--	M12 x1.5	Ø4.5
ZN	AIFO	CM8109743Z	mm 18	10	--	Ø7
ZN	AIFO	CM8109743PZ	mm 18	10	M12 x1.5	--

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ENGINE COOLING SYSTEM ANODES

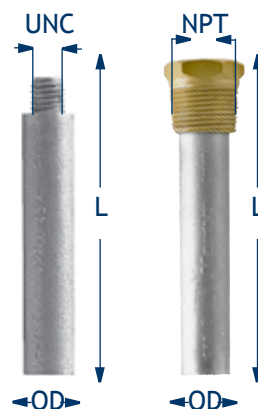
	ENGINE	PID	L	OD	NPT	UNC	
Plug	AIFO	CMEBP712	mm	--	--	in M12 x1.5	Ø7
ZN	AIFO	CMAF720Z	mm	20	7	in	Ø5
ZN	AIFO	CMEAF720PZ	mm	20	7	in M10 x1.25	--
Plug	AIFO	CMEBP510	mm	--	--	in M10 x1.25	Ø5

	ENGINE	PID	L	OD	NPT	UNC	
ZN	BMW	CMBM1241Z	mm	41	12	in	3/8
ZN	BMW	CMBM1241PZ	mm	41	12	in	3/8
Plug	BMW	CMEBP3838	mm	--	--	in	3/8

	ENGINE	PID	L	OD	NPT	UNC	
ZN	BAUDOUIN	CMEBD20Z	mm	45	20	in	M8 x1.25
ZN	BAUDOUIN	CMEBD20PZ	mm	45	20	in M24 x1.5	--
Plug	BAUDOUIN	CMEBP824	mm	--	--	in M24 x1.5	M8 x1.25

	ENGINE	PID	L	OD	NPT	UNC	
ZN	BUKH	CMB00E0450Z	mm	35	12	in	M5
ZN	BUKH	CMBK1240Z	mm	40	12	in	3/8

	ENGINE	PID	L	OD	NPT	UNC	
ZN	CATERPILLAR	CM8515850Z	mm	102	9	in	3/4
ZN	CATERPILLAR	CMBM1241Z	mm	41	12	in	3/8
ZN	CATERPILLAR	CMBM1241PZ	mm	41	12	in	3/8
Plug	CATERPILLAR	CMEBP3838	mm	--	--	in	3/8
ZN	CATERPILLAR	CM6L2288Z	mm	64	16	in	3/8
ZN	CATERPILLAR	CM6L2288PZ (2284 SERIES)	mm	64	16	in	1/2
Plug	CATERPILLAR	CMEBP3812	mm	--	--	in	1/2
ZN	CATERPILLAR	CM6L2289Z (2289 SERIES)	mm	76	16	in	3/8
ZN	CATERPILLAR	CM6L2289PZ	mm	76	16	in	1/2
ZN	CATERPILLAR	CM6L2283Z	mm	55	10	in	1/4
ZN	CATERPILLAR	CM6L2283PZ	mm	55	10	in	1/4
Plug	CATERPILLAR	CMEBP1414	mm	--	--	in	1/4
ZN	CATERPILLAR	CM6L2016Z	mm	20	22	in	5/8



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



ENGINE COOLING SYSTEM ANODES

	ENGINE	PID	L	OD	NPT	UNC		
ZN	CATERPILLAR	CM6L2016PZ	mm	20	22	in	3/4	--
Plug	CATERPILLAR	CMEBP5834	mm	--	--	in	3/4	5/8
ZN	CATERPILLAR	CM6L3104Z	mm	38	10	in	--	1/4
ZN	CATERPILLAR	CMCA3208Z (3208 SERIES)	mm	26	14	in	--	Ø12
ZN	CATERPILLAR	CM6L2285Z	mm	54	32	in	--	3/4
ZN	CATERPILLAR	CM6L2284Z (2284 SERIES)	mm	33	14	in	--	5/16
ZN	CATERPILLAR	CM2280GZ	mm	38	12	in	--	7/16
ZN	CATERPILLAR	CM2280GPZ	mm	38	12	in	3/8	--
Plug	CATERPILLAR	CMEBP71638	mm	--	--	in	3/8	7/16
ZN	CATERPILLAR	CMCA1230Z	mm	30	12	in	--	3/8
ZN	CATERPILLAR	CMCA1230PZ	mm	30	12	in	3/8	--
Plug	CATERPILLAR	CMEBP3838	mm	--	--	in	3/8	3/8
ZN	CATERPILLAR	CM6L2283Z	mm	57	10	in	--	1/4
ZN	CATERPILLAR	CM6L2288Z	mm	63	10	in	--	1/4
ZN	CATERPILLAR	CM6L2016Z	mm	19	22	in	--	5/8

	ENGINE	PID	L	OD	NPT	UNC		
ZN	CUMMINS	CMCU1650Z	mm	50	16	in	--	Ø12
ZN	CUMMINS	CMCU1650PZ	mm	50	16	in	1/2	--
Plug	CUMMINS	CMEBP1212	mm	--	--	in	1/2	Ø12
ZN	CUMMINS	CMECU16Z	mm	50	16	in	--	7/16
ZN	CUMMINS	CMECU16PZ	mm	50	16	in	1/2	--
ZN	CUMMINS	CMCU1865Z	mm	65	16	in	--	M16
ZN	CUMMINS	CMCU1645Z	mm	45	16	in	--	3/8
ZN	CUMMINS	CMCU1020Z	mm	20	10	in	--	M6
ZN	CUMMINS	CMCU1020PZ	mm	20	10	in	3/8	--

	ENGINE	PID	L	OD	NPT	UNC		
ZN	FORD	CMFO1018Z	mm	18	10	in	--	Ø8.5
ZN	FORD	CMFO1018PZ	mm	18	10	in	1/4	--
Plug	FORD	CMEBP8514	mm	--	--	in	1/4	Ø8.5
ZN	FORD	CMFO1332Z	mm	32	13	in	--	Ø9

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

ENGINE COOLING SYSTEM ANODES

	ENGINE	PID	L	OD	NPT	UNC		
ZN	GENERAL MOTOS	CM8517479Z	mm	40	16	in	--	7/16
ZN	GENERAL MOTOS	CM8517479PZ	mm	40	16	in	1/2	--
ZN	GENERAL MOTOS	CM8515851Z (8515851 SERIES)	mm	80	20	in	--	5/8
ZN	GENERAL MOTOS	CM8515842Z	mm	80	20	in	3/4	--
ZN	GENERAL MOTOS	CM8925832Z	mm	40	13	in	--	3/8
ZN	GENERAL MOTOS	CMEZ2Z	mm	50	15	in	--	7/16



	ENGINE	PID	L	OD	NPT	UNC		
ZN	ISOTTA FRASCHINI	CMIF2034Z	mm	34	20	in	--	M18 x1.5
ZN	ISOTTA FRASCHINI	CMIF2034PZ	mm	34	20	in	M24 x1.5	--
Plug	ISOTTA FRASCHINI	CMMP1348Z	mm	--	--	in	M24 x1.5	M18 x1.5



	ENGINE	PID	L	OD	NPT	UNC		
ZN	MPM	CMMP1348Z	mm	48	13	in	--	3/8



	ENGINE	PID	L	OD	NPT	UNC		
ZN	NANNI	CM970494635Z	mm	20	10	in	--	Ø8
ZN	NANNI	CM970494635PZ	mm	20	10	in	M16 x1.5	--
Plug	NANNI	CMEBP816	mm	--	--	in	M16 x1.5	Ø8
ZN	NANNI	CMNN2525Z	mm	25	25	in	--	Ø22
ZN	NANNI	CMNN2525PZ	mm	25	25	in	M30 x1.5	--
Plug	NANNI	CMEBP2230	mm	--	--	in	M30 x1.5	Ø22



	ENGINE	PID	L	OD	NPT	UNC		
ZN	ONAN	CMON1030Z	mm	30	10	in	--	Ø8
ZN	ONAN	CM1301341PZ	mm	30	10	in	3/8	--
Plug	ONAN	CMEBP51638	mm	--	--	in	3/8	5/16
ZN	ONAN	CMON1326Z	mm	26	13	in	--	Ø9.5
ZN	ONAN	CMON1131Z	mm	31	11	in	--	M8
ZN	ONAN	CMON1131PZ	mm	31	11	in	3/8	--
Plug	ONAN	CMEBP838	mm	--	--	in	3/8	M8

	ENGINE	PID	L	OD	NPT	UNC		
ZN	SCANIA	CMSC1645Z	mm	45	16	in	--	M12 x1.0

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ENGINE COOLING SYSTEM ANODES

	ENGINE	PID	L	OD	NPT	UNC	
ZN	RENAULT	CMERE14Z	mm	20	15	in	Ø12
ZN	RENAULT	CMERE14PZ	mm	20	15	in	M18 x1.5
Plug	RENAULT	CMERE18P	mm	--	--	in	M18 x1.5
Plug	RENAULT	CMRE1130PZ	mm	30	11	in	3/8 conico

	ENGINE	PID	L	OD	NPT	UNC	
ZN	VM	CMVM40Z	mm	40	16	in	--
ZN	VM	CMVM40PZ	mm	40	14	in	M16 x1.5
Plug	VM	CMVMBP8	mm	--	--	in	M16 x1.5
ZN	VM	CMVM20Z	mm	20	14	in	M8 x1.25
ZN	VM	CMVM20PZ	mm	20	14	in	M18 x1.5
Plug	VM	CMVMBP8	mm	--	--	in	M18 x1.5
ZN	VM	CMVMM10Z	mm	20	14	in	M10 x1.5
ZN	VM	CMVMM10PZ	mm	20	14	in	M18 x1.5

	ENGINE	PID	L	OD	NPT	UNC	
ZN	VOLVO PENTA	CM8517479Z	mm	40	16	in	--
ZN	VOLVO PENTA	CM838929Z (200-250-270)	mm	30	16	in	--
AL	VOLVO PENTA	CM838929A	mm	30	16	in	--
MG	VOLVO PENTA	CM838929M	mm	30	16	in	--
ZN	VOLVO PENTA	CMEZ2SZ	mm	30	16	in	--
ZN	VOLVO PENTA	CM823661Z	mm	47	26	in	--
AL	VOLVO PENTA	CM823661A	mm	47	26	in	--
MG	VOLVO PENTA	CM823661M	mm	47	26	in	--
ZN	VOLVO PENTA	CMVP16520Z	mm	20	16.5	in	--

	ENGINE	PID	L	OD	NPT	UNC	
ZN	YANMAR	SGYN068Z (YANMAR 8 - 10 HP)	mm	55	30	in	--
ZN	YANMAR	SGYN069Z	mm	43	20	in	--
ZN	YANMAR	SGYN069TZ	mm	43	20	in	1/8
ZN	YANMAR	SGYN224Z	mm	40	20	in	--
ZN	YANMAR	SGYN224TZ	mm	40	20	in	3/8

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CERTIFICATE OF REGISTRATION

This is to certify that

Canada Metal (Pacific) Ltd.

Quality Management System

which complies with the requirements of

ISO 9001:2008

for the following scope of registration

The registration covers the Quality Management System for nonferrous alloys / casting fabrication, general CNC / manual machining. Design, assembly and distribution of marine and construction related products.

Certificate No.: CERT-0094340
File No.: 802196
Issue Date: January 28, 2016

Original Certification Date: June 14, 1999
Current Certification Date: January 28, 2016
Certificate Expiry Date: September 14, 2018

Heather Mahon

Heather Mahon
Acting Head of
Policy, Risk and Certification

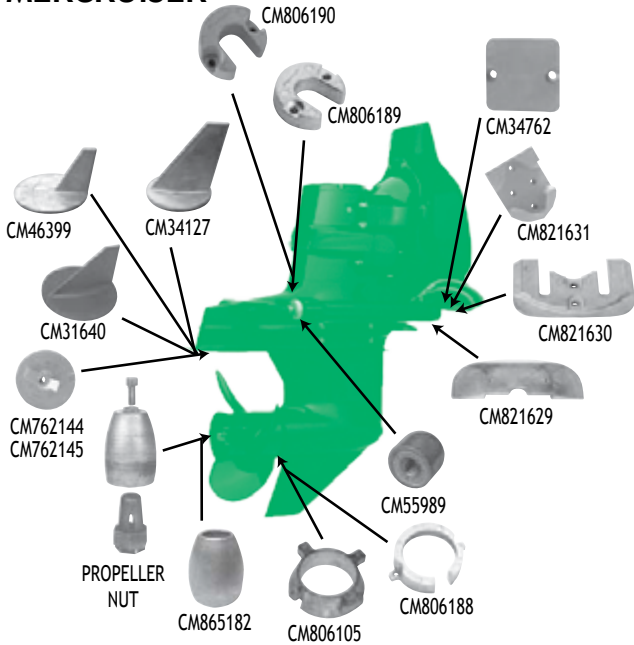


ISO 9001

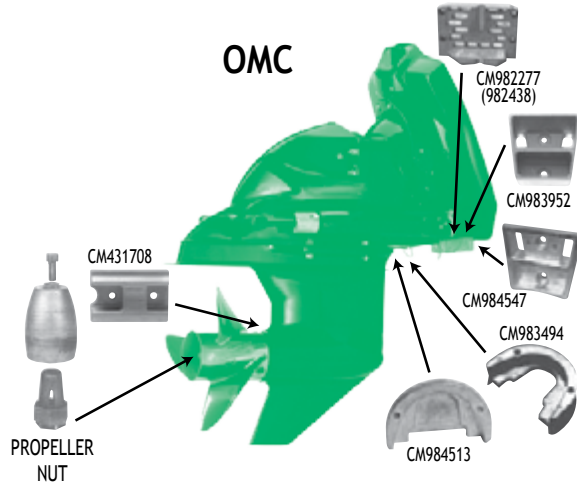


ANODE LOCATION CHART

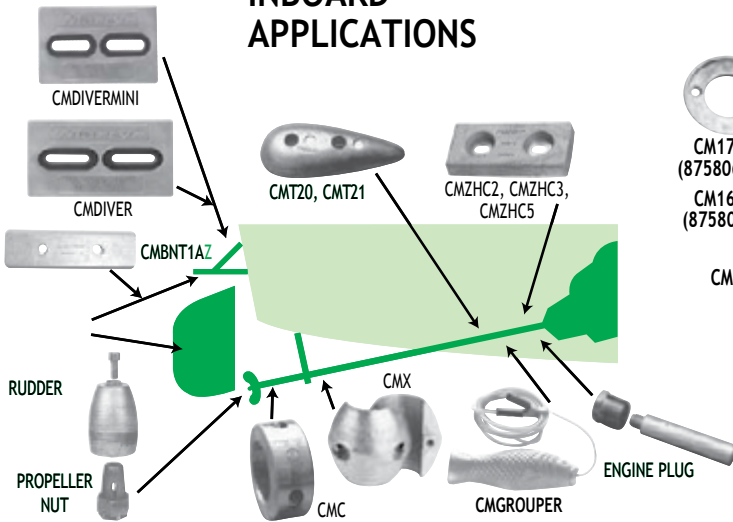
MERCURISER



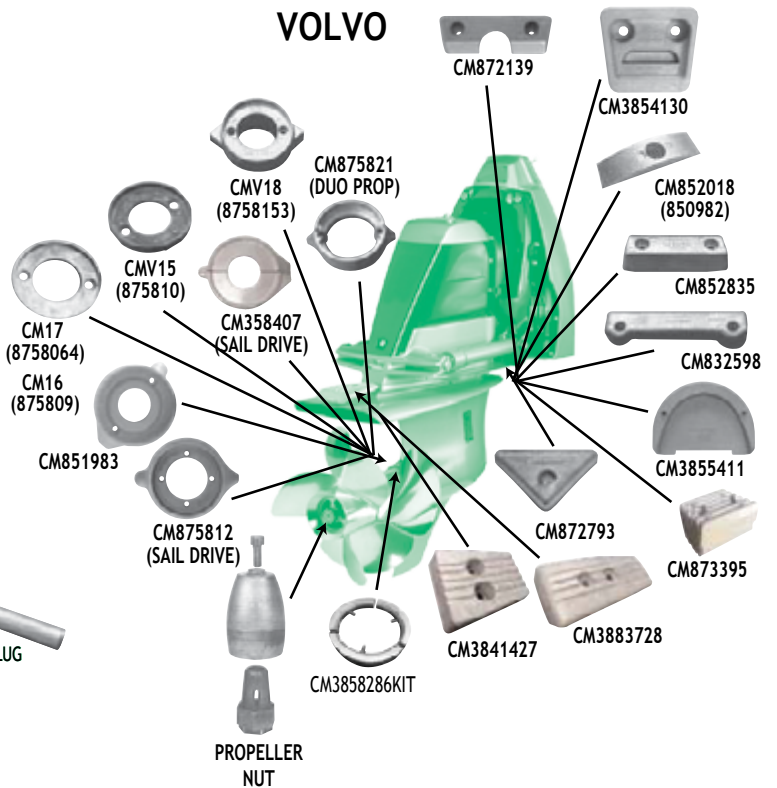
OMC



INBOARD APPLICATIONS



VOLVO

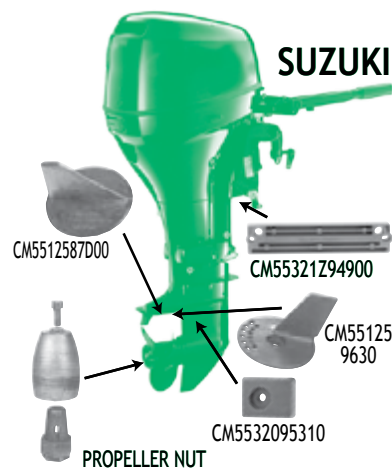
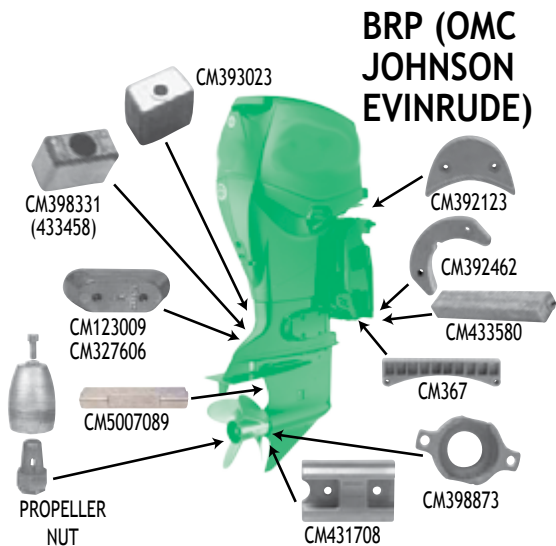
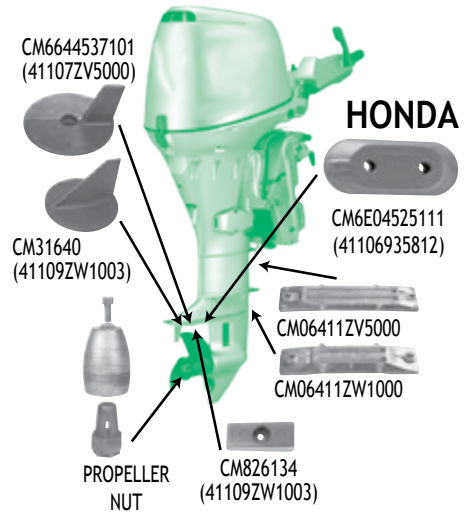
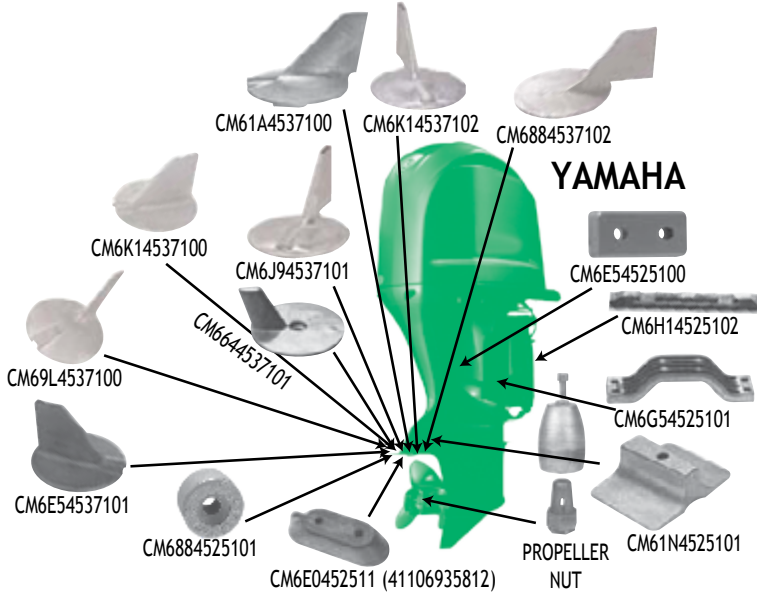
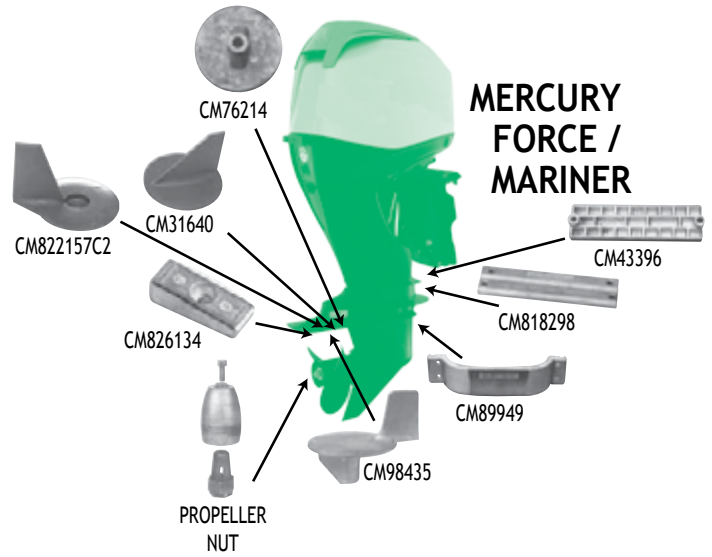


★ Kits available for Mercury & Volvo ★

Martyr is a registered trademark of Canada Metal (Pacific) Ltd. Martyr Anodes are manufactured under an ISO-9000 series Quality Assurance Program to original equipment standards and are guaranteed to conform to the latest US-Mil-24779(SH) specification for Aluminum anodes. Check anodes regularly and replace them when they are 70% consumed.

See your dealer for full listing. Please see our website for a cross reference chart.

ANODE LOCATION CHART



★ Kits available for Mercury & Volvo ★

Martyr is a registered trademark of Canada Metal (Pacific) Ltd. Martyr Anodes are manufactured under an ISO-9000 series Quality Assurance Program to original equipment standards and are guaranteed to conform to the latest US-Mil-24779(SH) specification for Aluminum anodes. Check anodes regularly and replace them when they are 70% consumed.

COMMERCIAL

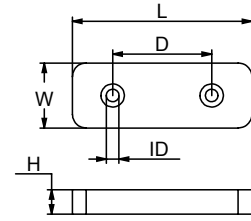
HULL ANODES

Notes:

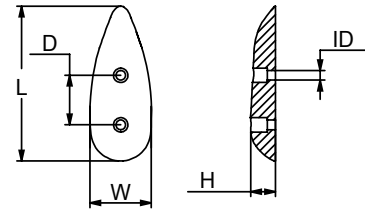
- 1. All weights are nominal gross weight.***
- 2. Inserts and straps are available in either Aluminum or steel.***
- 3. Bolt size is suggested.***
- 4. Contact us for special configuration requirements.***
- 5. Detailed drawings are available. Protective backing available for better performance. Please check for details when ordering.***

HULL ANODES

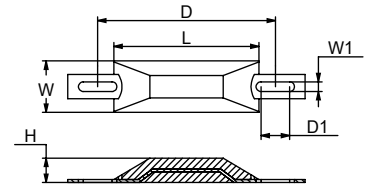
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CM656934Z	0.35	0.16	mm	83	31	11	46	6
AL	CM656934A	0.14	0.06	in	3.25	1.2	0.45	1.8	0.23



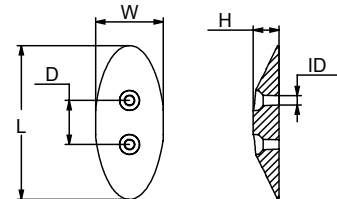
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMT20Z	0.38	0.17	mm	86	46	15	33	6
AL	CMT20A	0.15	0.07						
MG	CMT20M	0.10	0.05	in	3.4	1.8	0.6	1.28	0.25



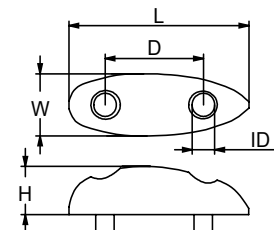
Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM200Z	0.44	0.20	mm	96	34	6	16	117	19
				in	3.78	1.33	0.25	0.63	4.6	0.75



Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMM24Z	0.65	0.29	mm	111	49	18	32	6
AL	CMM24A	0.30	0.15	in	4.36	1.92	0.70	1.25	0.25



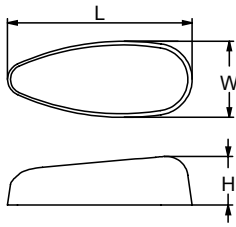
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMZ12Z	0.53	0.24	mm	93	32	24	51	7
AL	CMZ12A	0.22	0.09	in	3.62	1.25	1	2	0.26



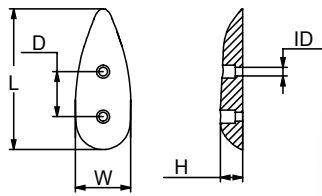
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

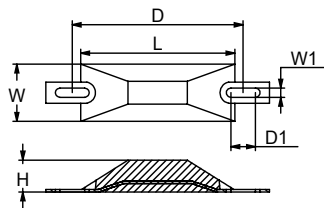
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



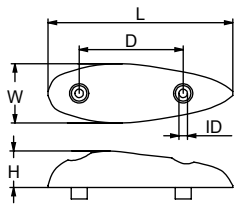
Bolt-on	PID	LB	KG		L	W	H
ZN	CM335Z	0.71	0.32	mm	85	36	24
AL	CM335A	0.28	0.13	in	3.35	1.4	0.93



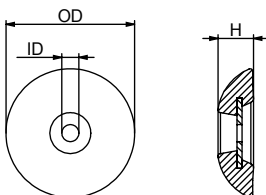
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMT21Z	1.00	0.45	mm	129	51	21	41	8
AL	CMT21A	0.39	0.18						
MG	CMT21M	0.30	0.15	in	5.1	2	0.83	1.62	0.31



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM500Z	1.10	0.50	mm	116	43	7	24	128	19
				in	4.5	1.68	0.26	1	5	0.75



Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMZ13Z	1.50	0.70	mm	145	47	29	83	7
AL	CMZ13A	0.65	0.30	in	5.75	1.84	1.14	3.25	0.26



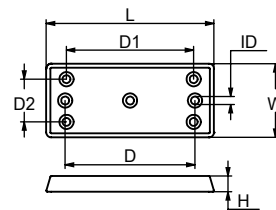
Combo	PID	LB	KG		OD	ID	H
ZN	CMZD56Z	1.90	0.86	mm	102	14	28
				in	4	0.53	1.1

BOLT-ON

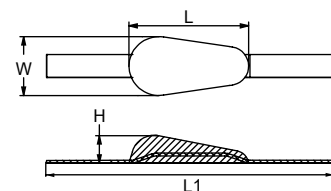
HULL ANODES

Bolt-on	PID	LB	KG		L	W	H	D	D1	D2	ID
ZN	CMM30Z	1.90	0.86	mm	152	68	14	121	118	40	6
AL	CMM30A	0.74	0.34	in	6	2.67	0.56	4.75	4.62	1.58	0.25

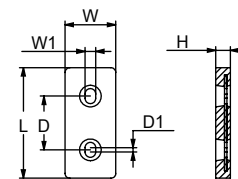
WELD-ON



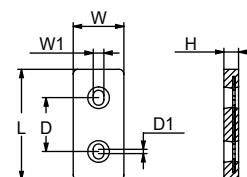
Weld-on	PID	LB	KG		L	W	H
ZN	CM35GZ	2.00	0.90	mm	127	61	30
AL	CM35GA	0.80	0.40	in	5	2.4	1.16



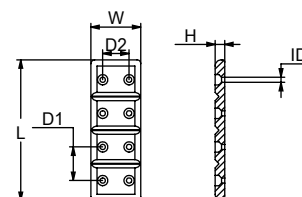
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC3AZ	2.00	0.90	mm	159	70	14	19	65	15
AL	CMZHC3AA	0.78	0.35	in	6.25	2.75	0.54	0.75	2.57	0.57



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC2AZ	2.07	0.94	mm	146	67	13	19	71	6
AL	CMZHC2AA	0.80	0.37	in	5.75	2.65	0.5	0.75	2.78	0.25



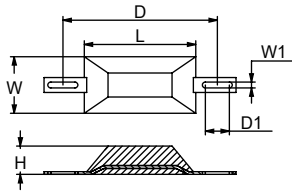
Bolt-on	PID	LB	KG		L	W	H	D1	D2	ID
ZN	CMM40Z	2.08	0.95	mm	186	66	13	45	35	7
AL	CMM40A	0.81	0.37	in	7.3	2.6	0.5	1.75	1.37	0.28



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

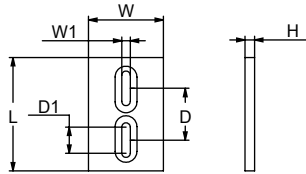
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM1000Z	2.20	1.00	mm	118	60	6	30	162	25
				in	4.12	2.25	0.25	1.18	6.38	1

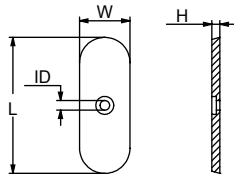


Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMDIVERMINIZ	2.25	1.02	mm	150	99	11	13	69	35
AL	CMDIVERMINIA	0.87	0.40	in	5.9	3.9	0.44	0.5	2.7	1.36
MG	CMDIVERMINIM	0.68	0.31							

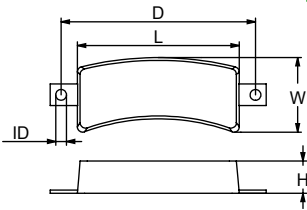


**See Pg 63 for a heavier version:
Part ID: CMDIVERMINIHZ**

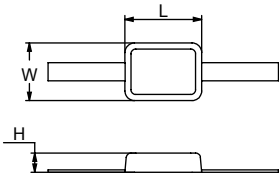
Bolt-on	PID	LB	KG		L	W	H	ID
ZN	CMN1Z	2.60	1.19	mm	216	80	13	10
AL	CMN1A	1.01	0.46	in	8.5	3.15	0.5	0.41



Combo	PID	LB	KG		OD	ID	H	D	ID
ZN	CMH18BZ	2.90	1.32	mm	150	69	30	180	10
				in	6	2.75	1.19	7	0.37



Weld-on	PID	LB	KG		L	W	H
ZN	CM2431GZ	3.08	1.40	mm	102	76	25
AL	CM2431GA	1.30	0.60	in	4	3	1

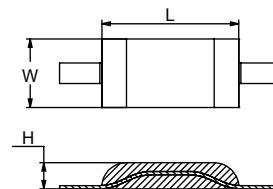


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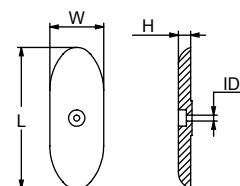
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

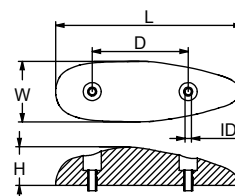
Weld-on	PID	LB	KG		L	W	H
ZN	CMZ06Z	3.08	1.40	mm	127	64	25
AL	CMZ06A	1.30	0.60	in	5	2.5	1



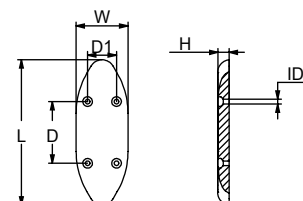
Bolt-on	PID	LB	KG		L	W	H	ID
ZN	CMMZ404Z	3.42	1.55	mm	224	86	19	10
AL	CMMZ404A	1.33	0.60	in	8.8	3.37	0.75	0.37



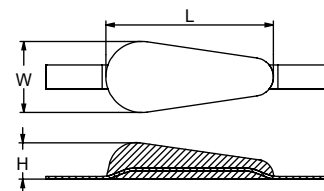
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMZ14Z	3.65	1.66	mm	197	64	38	101	7
AL	CMZ14A	1.50	0.68	in	7.75	2.5	1.5	4	0.26



Bolt-on	PID	LB	KG		L	W	H	D	D1	ID
ZN	CMM25Z	3.92	1.78	mm	231	83	18	98	46	7
AL	CMM25A	1.52	0.69	in	9.1	3.25	0.72	3.86	1.81	0.29



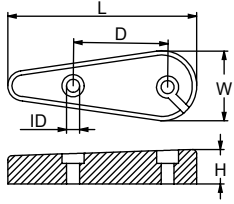
Weld-on	PID	LB	KG		L	W	H
ZN	CM37GZ	4.00	1.80	mm	178	76	38
AL	CM37GA	1.70	0.80	in	7	3	1.5



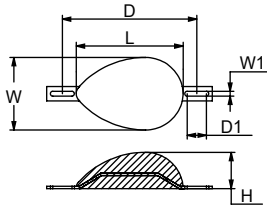
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HULL ANODES

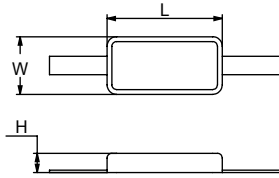
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



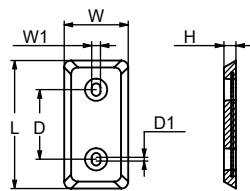
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMARCHNZ	4.00	1.80	mm	175	65	32	88	12
AL	CMARCHNA	1.70	0.80	in	6.9	2.5	1.3	3.44	0.47



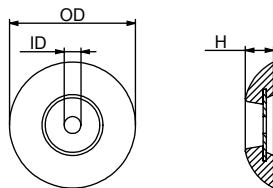
Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CM2000Z	4.40	2.00	mm	141	96	6	48	184	19
				in	5.55	3.78	0.25	1.9	7.24	0.75



Weld-on	PID	LB	KG		L	W	H
ZN	CM2631GZ	4.50	2.00	mm	152	76	25
AL	CM2631GA	1.90	0.90	in	6	3	1



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC5AZ	4.50	2.00	mm	203	102	14	19	110	6
AL	CMZHC5AA	1.75	0.79	in	8	4	0.55	0.76	4.35	0.23



Bolt-on	PID	LB	KG		OD	ID	H
ZN	CMZD58Z	4.84	2.20	mm	150	20	34
AL	CMZD58A	1.98	0.90	in	5.9	0.79	1.34

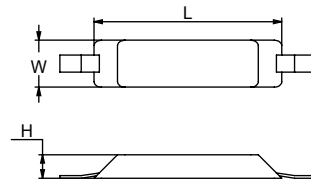


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

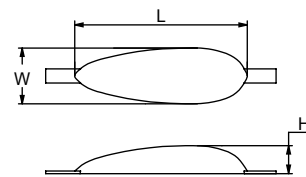
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

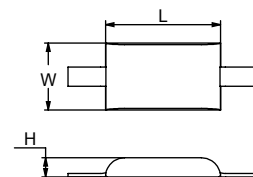
Weld-on	PID	LB	KG		L	W	H
ZN	CMZC5Z	4.85	2.20	mm	224	56	28
AL	CMZC5A	1.98	0.90	in	8.8	2.2	1.1



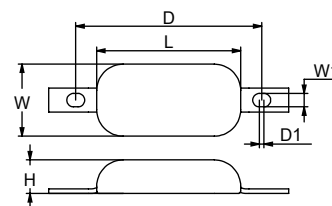
Weld-on	PID	LB	KG		L	W	H
ZN	CMZTSZ	5.00	2.27	mm	229	76	38
AL	CMZTSA	2.10	0.95	in	9	3	1.5



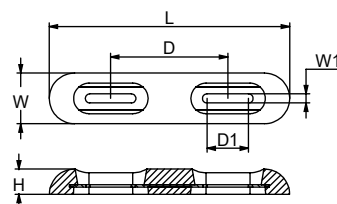
Weld-on	PID	LB	KG		L	W	H
ZN	CMZ04Z	5.07	2.30	mm	152	89	25
AL	CMZ04A	2.10	1.00	in	6	3.5	1



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMHT1Z	5.10	2.30	mm	152	76	14	36	197	5
AL	CMHT1A	2.30	1.04	in	6	3	0.56	1.4	7.75	0.19



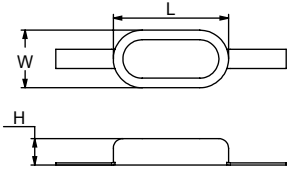
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZD77EUROZ	5.29	2.40	mm	318	67	12	34	155	55
				in	12.5	2.6	0.47	1.3	6.1	2.17



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

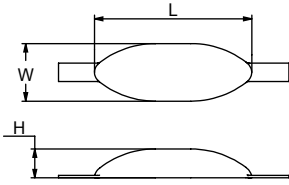
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



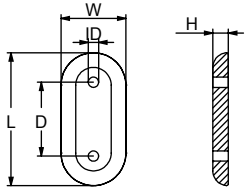
Weld-on	PID	LB	KG		L	W	H
ZN	CM273125GZ	5.50	2.50	mm	152	76	35
AL	CM273125GA	2.20	1.00	in	6	3	1.38



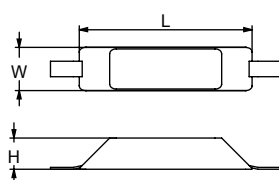
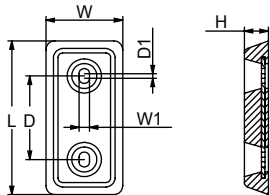
Weld-on	PID	LB	KG		L	W	H
ZN	CM39315GZ	5.50	2.50	mm	208	76	38
AL	CM39315GA	2.20	1.00	in	8.2	3	1.5



Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMMZC406Z	6.75	3.07	mm	229	112	25	127	13
AL	CMMZC406A	2.62	1.19						
MG	CMMZC406M	0.55	0.25	in	9	4.4	1	5	0.5



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZHC06GBZ	6.80	3.10	mm	203	101	14	32	111	6
AL	CMZHC06GBA	2.90	1.30	in	8	4	0.55	1.25	4.35	0.23



Weld-on	PID	LB	KG		L	W	H
ZN	CMZC7Z	7.00	3.15	mm	228	57	41
AL	CMZC7A	3.00	1.35	in	9	2.25	1.62



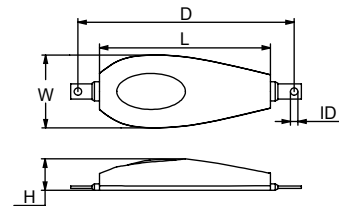
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HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

Combo	PID	LB	KG		L	W	H	D	ID
MG	CMMGJRGM	2.00	0.91	mm	226	96	40	286	10
				in	8.9	3.75	1.5	11.25	0.37

With Plastisol Coating



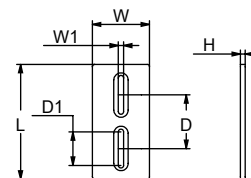
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMDIVERZ	8.00	3.60	mm	305	152	13	25	140	89
AL	CMDIVERA	3.25	1.48	in	12	6	0.5	1	5.5	3.5
MG	CMDIVERM	2.50	1.14							

Aluminum version now available in packaged kit with all hardware included.

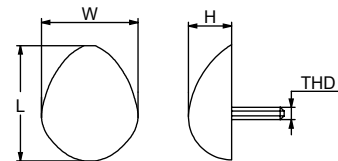
Part ID: CMDIVERBOND (Pg 62)

See Pg 63 for a heavier version:

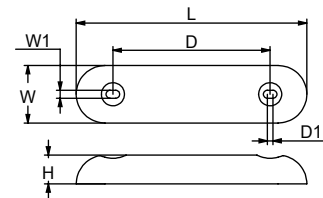
Part ID: CMDIVERH



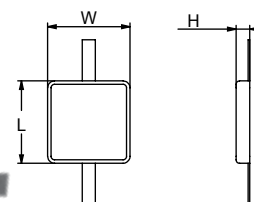
Bolt-on	PID	LB	KG		L	W	H	THD
ZN	CM36BSSZ	8.75	3.97	mm	152	127	57	3/8-16
AL	CM36BSSA	3.50	1.60	in	6	5	2.25	NC



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZD78BZ	9.00	4.00	mm	305	76	10	38	208	8
				in	12	3	0.39	1.5	8.19	0.29



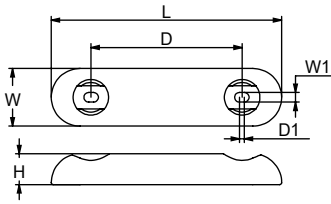
Weld-on	PID	LB	KG		L	W	H
ZN	CM1661GZ	9.00	4.00	mm	152	152	25
AL	CM1661GA	1.90	0.90	in	6	6	1



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HULL ANODES

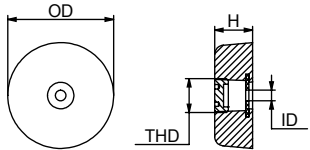
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



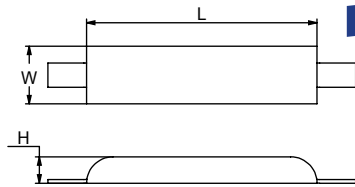
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZ03BSZ	9.00	4.0	mm	305	76	14	41	200	5
AL	CM0Z3BSA	3.96	1.8	in	12	3	0.56	1.6	7.88	0.16



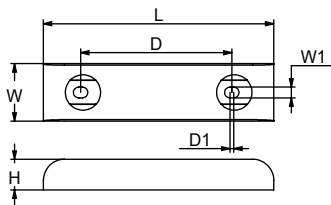
Bolt-on	PID	LB	KG		OD	ID	H	THD
ZN	CMH06Z (AZIMUT)	9.24	4.20	mm	135	16	50	M45 x2
AL	CMH06A (AZIMUT)	3.63	1.65	in	5.3	0.63	2	



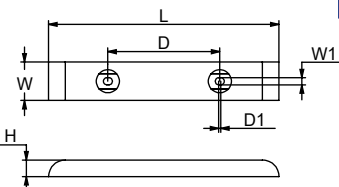
Weld-on	PID	LB	KG		L	W	H
ZN	CMZ03Z	10.30	4.68	mm	305	76	35
AL	CMZ03A	4.85	2.20	in	12	3	1.37



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZ03BZ	13.70	6.22	mm	305	76	14	41	200	5
AL	CMZ03BA	5.20	2.36	in	12	3	0.56	1.6	7.88	0.19



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZ15BZ	15.20	6.90	mm	457	76	16	33	235	6
AL	CMZ15BA	6.33	2.88	in	18	3	0.62	1.3	9.25	0.25

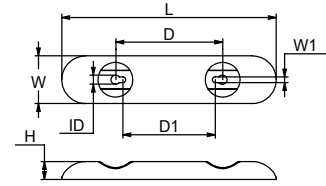


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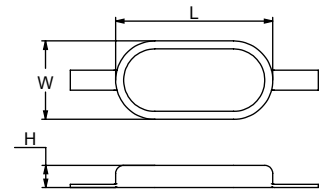
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

Bolt-on	PID	LB	KG		L	W	W1	H	D	D1	ID
ZN	CMZD72BMZ	15.41	7.00	mm	457	102	12	38	229	203	19
AL	CMZD72BMA	6.42	2.90	in	18	4	0.48	1.5	9	8	0.75



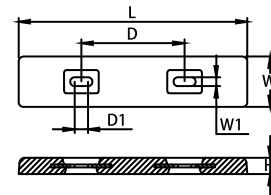
Weld-on	PID	LB	KG		L	W	H
ZN	CM810SZ	15.86	7.20	mm	248	125	35
AL	CM810SA	6.60	3.00	in	9.75	4.9	1.37



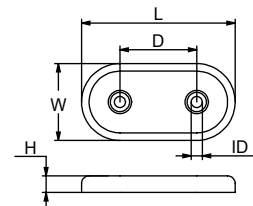
	PID	LB	KG		L	W	H	D	D1	W1
ZN	CMZL18BGZ	18.56	8.42	mm	454	100	32	204.8	26.2	17.5
AL	CMZL18BGA	8.09	3.67							
MG	CMZL18BGM	5.72	2.59	in	17.87	3.93	1.25	8.06	1.03	0.69

Bolt-On Hull Anode

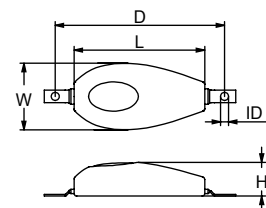
NEW



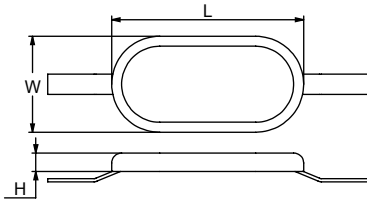
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMH20BZ	18.90	8.50	mm	305	152	48	152	22
AL	CMH20BA	8.00	3.60	in	12	6	1.3	6	0.87



Combo	PID	LB	KG		L	W	H	D	ID
MG	CMMG5GM	5.04	2.29	mm	259	132	66	336	16
				in	10.2	5.2	2.6	13.2	0.63



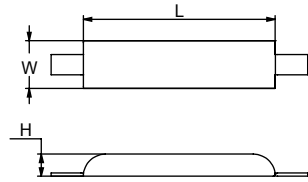
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



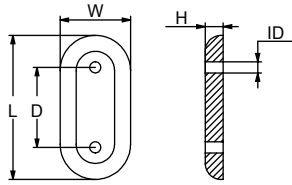
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

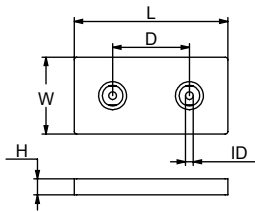
	Weld-on PID	LB	KG	L	W	H	
ZN	CM812125Z	19.50	9.00	mm	305	152	29
AL	CM812125A	7.90	3.60	in	12	6	1.15



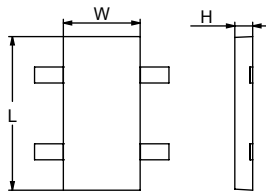
	Weld-on PID	LB	KG	L	W	H	
ZN	CMZ19Z	22.00	10.00	mm	635	76	31
AL	CMZ19A	10.00	4.60	in	25	3	1.2



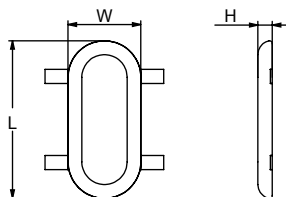
	Bolt-on PID	LB	KG	L	W	H	D	ID	
ZN	CMZ24BSZ	23.00	10.50	mm	356	159	32	127	13
AL	CMZ24BSA	8.94	4.06	in	14	6.25	1.25	5	0.5



	Bolt-on PID	LB	KG	L	W	H	D	ID	
ZN	CMZ01BSZ/ZHC23	23.00	10.5	mm	305	152	32	152	16
AL	CMZ01BSA/ZHC23	10.60	4.8	in	12	6	1.25	6	0.62



	Weld-on PID	LB	KG	L	W	H	
ZN	CMZ02Z/CMZHS23Z	23.50	10.86	mm	305	152	35
AL	CMZ02A/CMZHS23A	10.55	4.79	in	12	6	1.38



	Weld-on PID	LB	KG	L	W	H	
ZN	CMZ22Z	23.50	10.86	mm	356	165	33
AL	CMZ22A	11.10	5.19	in	14	6.5	1.3

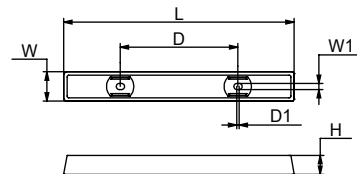


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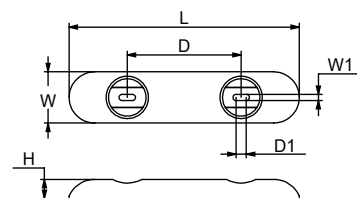
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMP5B2BZ	25.00	11.40	mm	610	79	16	51	311	6
AL	CMP5B2BA	11.80	5.36	in	24	3.1	0.63	2	12.25	0.25

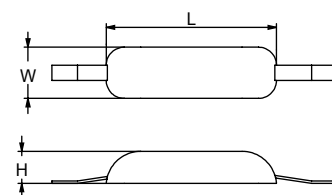


Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMZD72BZ	25.80	11.70	mm	455	102	19	56	226	9
				in	17.9	4	0.73	2.2	8.9	0.35

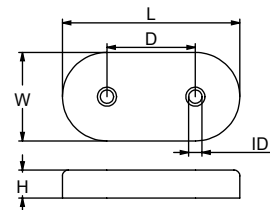


Weld-on	PID	LB	KG		L	W	H
ZN	CMZ26Z	26.00	11.79	mm	338	109	57
AL	CMZ26A	11.67	5.30	in	13.3	4.3	2.25

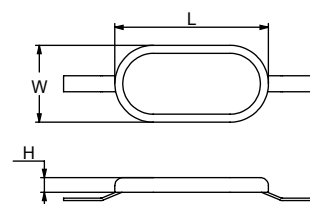
*** Available in either steel or aluminum weld-on straps.***



Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMH19BZ	26.70	12.00	mm	305	152	48	152	22
				in	12	6	1.9	6	0.87



Weld-on	PID	LB	KG		L	W	H
ZN	CM812Z	27.00	12.50	mm	305	152	43
AL	CM812A	11.45	5.20	in	12	6	1.7

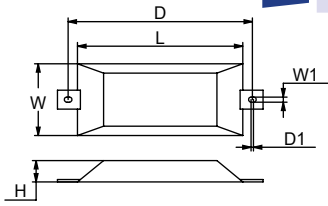


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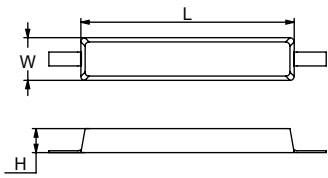
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

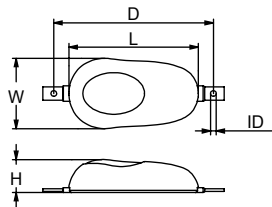
Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	CMM120BZ	30.0	13.5	mm	350	152	18	45	390	4
AL	CMM120BA	12.3	5.6	in	13.75	6	0.71	1.75	15.37	0.5



Weld-on	PID	LB	KG		L	W	H
ZN	CMMA2204Z	36.50	16.50	mm	508	101	57
AL	CMMA2204A	16.00	7.30	in	20	4	2.25

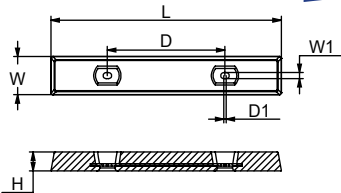


Combo	PID	LB	KG		L	W	H	D	ID
MG	CMMG10GM	9.97	4.53	mm	308	168	78	380	14
				in	12	6.6	3.1	15	0.53

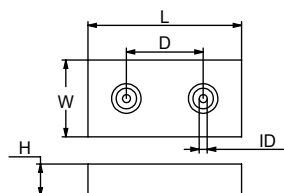


With Plastisol Coating

Bolt-on	PID	LB	KG		L	W	W1	H	D	ID
ZN	CMP7B2BSZ /CMZHC50Z	45.0	20.5	mm	609	102	16	51	311	6
AL	CMP7B2BSA /CMZHC50A	19.8	8.9	in	24	4	0.62	2	12.25	0.25



Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMZHC47Z /CMZHC42Z	45.00	20.50	mm	305	152	64	152	16
AL	CMZHC47A /CMZHC42A	18.10	8.23	in	12	6	2.5	6	0.62

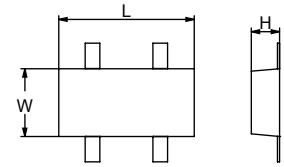


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

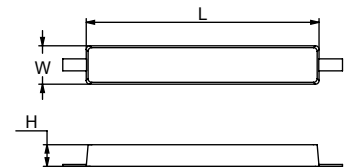
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

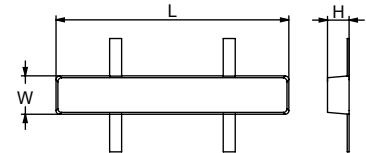
Weld-on	PID	LB	KG		L	W	H
ZN	CMZHS47Z/CMZHS42Z	45.00	20.50	mm	305	152	64
AL	CMZHS47A/CMZHS42A	18.10	8.23	in	12	6	2.5



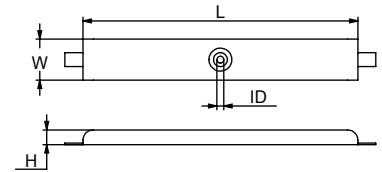
Weld-on	PID	LB	KG		L	W	H
ZN	CMMA2244LZ/CMZHS50Z	47.0	21.0	mm	616	101	57
AL	CMMA2244LA/CMZHS50A	19.7	8.75	in	24.25	4	2.25



Weld-on	PID	LB	KG		L	W	H
ZN	CMMA2244SZ	41.00	21.00	mm	609	101	50
AL	CMMA2244SA	19.70	8.75	in	24	4	2

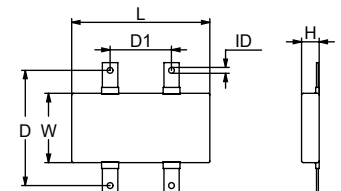
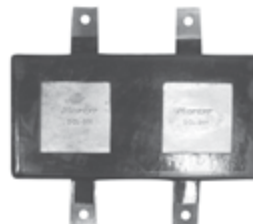


Combo	PID	LB	KG		L	W	H	ID
ZN	CM260SZ	60.00	27.20	mm	800	120	43	18
AL	CM260SA	25.80	11.60	in	31.5	4.75	1.62	0.75



Combo	PID	LB	KG		L	W	H	D	D1	ID
MG	CMMG24GM	25.90	11.76	mm	457	229	58	381	203	19
				in	18	9	2.25	15	8	0.75

With Plastisol Coating



Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

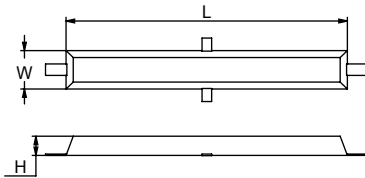
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

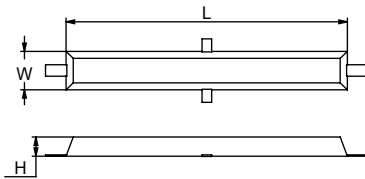
Weld-on	PID	LB	KG	L	W	H
ZN	CMMA3305SZ	86.50	39.30	mm	745	66
AL	CMMA3305SA	32.10	14.65	in	29.3	4.7



Weld-on	PID	LB	KG	L	W	H
ZN	CMMA3365CSZ	103.00	46.80	mm	930	64
AL	CMMA3365CSA	38.30	17.40	in	36.6	5



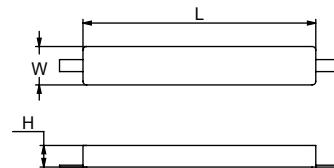
Weld-on	PID	LB	KG	L	W	H
ZN	CMMA4545CSZ	264.00	120.00	mm	1379	109
AL	CMMA4545CSA	98.00	44.50	in	54.3	4.3



BALLAST TANK ANODES

	PID	LB	KG		L	W	H
ZN	CMMA2602SZ	55.00	25.00	mm	1524	50	50
AL	CMMA2602SA	25.00	11.00	in	60	2	2
ZN	CMMA3602SZ	85.00	38.50	mm	1524	64	76
AL	CMMA3602SA	35.00	16.00	in	60	2.5	3
ZN	CMMA31003Z	280.00	127.00	mm	2540	89	83
AL	CMMA31003A	115.00	52.00	in	100	3.5	3.25
ZN	CMMA41004Z	335.00	152.00	mm	2540	102	95
AL	CMMA41004A	140.00	63.50	in	100	4	3.75

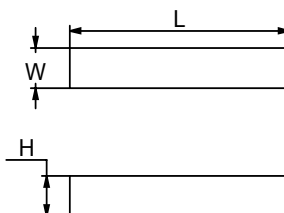
Available in any length & weight up to the maximum size shown. 2602S & 3602S use 0.5"rod, 31003 uses 0.75"rod.



CABLE ANODES

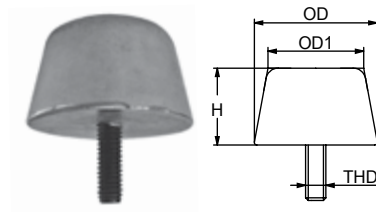
	PID	LB	KG		L	W	H
ZN	CMTYPE3Z	551.00	250.00	mm	1120	200	200
AL	CMTYPE3A	96.00	211.20	in	44	7.87	7.87

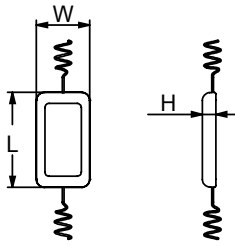
Custom cable anodes available upon request. Please contact for details. Cable diameter available in 1/2", 3/8", 5/8", and 5/16".



CONDENSER ANODES

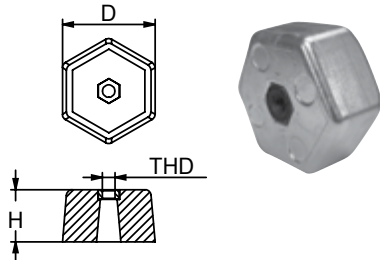
	PID	LB	KG		OD	OD1	H	THD
ZN	CMC6C50BZ	0.73	0.33	mm	50	38	30	5/16
AL	CMC6C50BA	0.29	0.13	in	1.97	1.5	1.18	-24 UNC
ZN	CMC6C75BZ	1.76	0.80	mm	75	62	30	5/16
AL	CMC6C75BA	0.69	0.31	in	2.95	2.42	1.18	-24 UNC





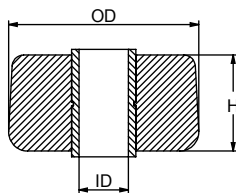
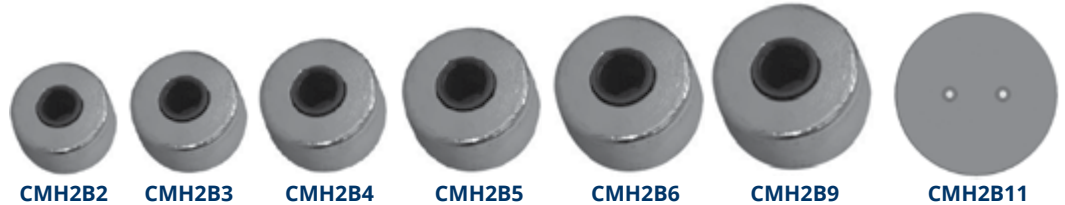
CRAB TRAP ANODES

	PID	LB	KG	L	W	H
ZN	CMZCT2WZ	1.70	0.75	mm	177	25
AL	CMZCT2WA	0.70	0.32	in	7	0.75



	PID	LB	KG	L	W	THD
ZN	CMCTHBZ	2.73	1.24	mm	76	43
AL	CMCTHBA	1.10	0.50	in	3	1.62

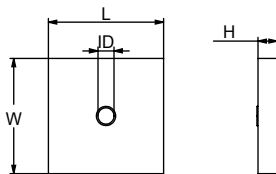
HEAT EXCHANGER ANODES



Available in two insert size options.

Please specify hole size: 5/8" to fit 1/2" bolt or 1/2" to fit 3/8" bolt

	PID	LB	KG	OD	H
ZN	CMH2B2Z	0.80	0.35	mm	50
AL	CMH2B2A	0.30	0.15	in	2
ZN	CMH2B3Z	2.10	0.95	mm	76
AL	CMH2B3A	0.70	0.30	in	3
ZN	CMH2B4Z	3.20	1.45	mm	101
AL	CMH2B4A	1.30	0.60	in	4
ZN	CMH2B5Z	5.60	2.55	mm	127
AL	CMH2B5A	2.00	0.90	in	5
ZN	CMH2B6Z	7.10	3.20	mm	152
AL	CMH2B6A	3.00	1.35	in	6
AL	CMH2B9A	6.70	3.05	in	9
ZN	CMH2B11Z	24.00	10.90	mm	279
AL	CMH2B11A	10.10	4.60	in	11

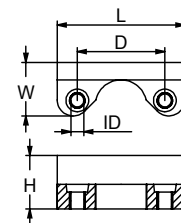


	PID	LB	KG	L	W	H
ZN	CMH1B6GZ	9.00	4.10	mm	152	25
AL	CMH1B6GA	3.80	1.70	in	6	1

Available in two insert size options. Please specify hole size: 5/8" to fit 1/2" bolt or 1/2" to fit 3/8" bolt

OLYMPIC™ DRIVE ANODES

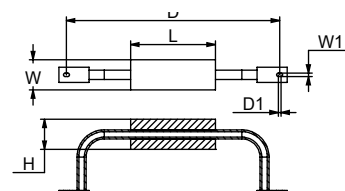
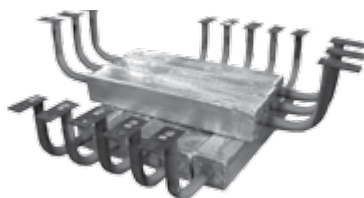
Bolt-on	PID	LB	KG		L	W	H	D	ID
ZN	CMOLYZ	4.50	2.05	mm	158	66	66	108	16
AL	CMOLYA	2.11	0.96	in	6.2	2.6	2.6	4.25	0.62
ZN	CMOLY1HZ	6.30	2.86	mm	158	79	66	108	16
AL	CMOLY1HA	2.65	1.20	in	6.2	3.1	2.6	4.25	0.62



PLATFORM/STANDOFF ANODES

	PID	LB	KG		L	W	W1	H	D	D1
AL	TYPE1	211.00	96.00	mm	1120	200	22	200	1970	18
				in	44	7.87	0.87	7.87	77.6	0.71
AL	TYPE2	105.60	48.00	mm	560	200	22	200	1410	18
				in	22	7.87	0.87	7.87	77.6	0.71

**Please enquire about custom sizes.*



HEATER TREATER ANODES

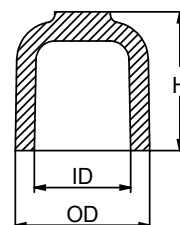
	PID	LB	KG		L	OD	THD
ZN	CMHT321Z	39.00	17.70	mm	541	76	5/8-18 UNF
AL	CMHT321A	16.50	7.50	in	21.5	3	
ZN	CMHT330Z	56.00	25.40	mm	775	76	3/4-10 UNC
AL	CMHT330A	23.50	10.70	in	30	3	



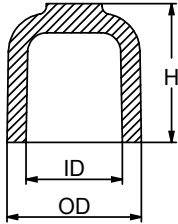
*Type 321 has male 5/8 NF thread on one end and female 5/8 NF thread on the other end.
Type 330 has 3/4 NC female thread at both ends. Different length of rods are available on request.*

PROP NUT ANODES

	PID	LB	KG		ID	OD	H
ZN	CMPN01Z	4.00	1.80	mm	63	85	92
AL	CMPN01A	1.70	0.75	in	2.5	3.37	3.62
ZN	CMPN02Z	4.90	2.23	mm	73	95	101
AL	CMPN02A	2.30	1.05	in	2.87	3.75	4
ZN	CMPN03Z	6.00	2.70	mm	82	104	101
AL	CMPN03A	2.50	1.15	in	3.25	4.12	4
ZN	CMPN04Z	7.50	3.40	mm	95	117	114
AL	CMPN04A	3.20	1.45	in	3.75	4.62	4.5
ZN	CMPN05Z	11.00	5.00	mm	107	133	127
AL	CMPN05A	4.60	2.10	in	4.25	5.25	5



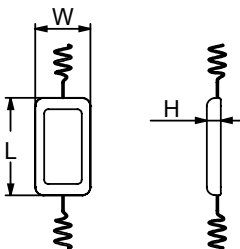
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.



**Available with
or*



*without
wires*



PROP NUT ANODES

	PID	LB	KG	ID	OD	H	
ZN	CMPN06Z	11.50	5.20	mm	117	142	139
AL	CMPN06A	4.80	2.20	in	4.62	5.62	5.5
ZN	CMPN07Z	13.00	5.90	mm	127	152	152
AL	CMPN07A	5.50	2.50	in	5	6	6
ZN	CMPN08Z	17.40	7.90	mm	139	168	161
AL	CMPN08A	7.00	3.20	in	5.5	6.62	6.37
ZN	CMPN09Z	19.50	8.85	mm	152	180	171
AL	CMPN09A	8.20	3.70	in	6	7.12	6.75
ZN	CMPN10Z	25.00	11.35	mm	165	196	177
AL	CMPN10A	10.50	4.75	in	6.5	7.75	7
ZN	CMPN11Z	28.00	12.70	mm	177	206	206
AL	CMPN11A	11.80	5.35	in	7	8.12	8.12
ZN	CMPN12Z	38.50	17.50	mm	190	222	228
AL	CMPN12A	15.90	7.20	in	7.5	8.75	9
ZN	CMPN13AZ	2.00	0.90	mm	50	69	73
AL	CMPN13AA	0.80	0.35	in	2	2.75	2.87
ZN	CMPN13BZ	2.50	1.15	mm	57	76	76
AL	CMPN13BA	1.10	0.50	in	2.25	3	3

PLATE STOCK ANODES

	PID	LB	KG	L	W	H	
ZN	CMPMZ/CMPMWZ	2.00	0.90	mm	114	64	17
AL	CMPMA/CMPMWA	0.78	0.35	in	4.5	2.5	0.65
ZN	CMPNZ/CMPNWZ	3.25	1.48	mm	152	76	19
AL	CMPNA/CMPNWA	1.26	0.57	in	6	3	0.75
ZN	CMPOZ/CMPOWZ	4.38	1.99	mm	152	102	19
AL	CMPOA/CMPOWA	1.70	0.77	in	6	4	0.75
ZN	CMPPZ/CMPPWZ	9.25	4.20	mm	229	127	21
AL	CMPPA/CMPPWA	3.59	1.63	in	9	5	0.8
ZN	CMP051511SZ	2.21	1.00	mm	288	38	13
AL	CMP051511SA	0.89	0.40	in	11.5	1.5	0.5
ZN	CMP051512Z	2.30	1.04	mm	305	38	13
AL	CMP051512A	0.93	0.42	in	12	1.5	0.5
ZN	CMP05204Z	1.02	4.63	mm	100	50	13
AL	CMP05204A	0.41	0.18	in	4	2	0.5
ZN	CMP05212Z	3.07	1.39	mm	305	50	13
AL	CMP05212A	1.24	0.56	in	12	2	0.5
ZN	CMP05224Z	6.14	2.79	mm	710	50	13
AL	CMP05224A	2.48	1.13	in	24	2	0.5
ZN	CMP05303Z	1.25	0.57	mm	76	76	13
AL	CMP05303A	0.50	0.23	in	3	3	0.5

Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

PLATE STOCK ANODES

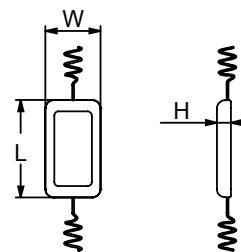
	PID	LB	KG		L	W	H
ZN	CMP05306Z	2.20	1.00	mm	152	76	13
AL	CMP05306A	0.90	0.41	in	6	3	0.5
ZN	CMP05406Z	3.07	1.39	mm	152	100	13
AL	CMP05406A	1.24	0.56	in	6	4	0.5
ZN	CMP05312Z	4.61	2.10	mm	305	76	13
AL	CMP05312A	1.86	0.84	in	12	3	0.5
ZN	CMP05606Z	4.80	2.15	mm	152	152	13
AL	CMP05606A	1.90	0.86	in	6	6	0.5
ZN	CMP05612Z	9.50	4.31	mm	305	152	13
AL	CMP05612A	3.80	1.72	in	12	6	0.5
ZN	CMP075106Z	1.15	0.52	mm	152	25	19
AL	CMP075106A	0.46	0.21	in	6	1	0.75
ZN	CMP075303Z	1.75	0.79	mm	76	76	19
AL	CMP075303A	0.70	0.32	in	3	3	0.75
ZN	CMP075306Z	3.50	1.59	mm	152	76	19
AL	CMP075306A	1.40	0.64	in	6	3	0.75
ZN	CMP075606Z	6.55	2.97	mm	152	152	19
AL	CMP075606A	2.60	1.18	in	6	6	0.75
ZN	CMP075612Z	14.00	6.35	mm	305	152	19
AL	CMP075612A	5.60	2.54	in	12	6	0.75
ZN	CMP1206Z	3.07	1.39	mm	152	50	25
AL	CMP1206A	1.24	0.56	in	6	2	1
ZN	CMP1303Z	2.25	1.01	mm	76	76	25
AL	CMP1303A	0.90	0.41	in	3	3	1
ZN	CMP1304Z	3.07	1.39	mm	104	76	25
AL	CMP1304A	1.24	0.56	in	4	3	1
ZN	CMP1306Z	4.50	2.04	mm	152	76	25
AL	CMP1306A	1.80	0.82	in	6	3	1
ZN	CMP1406Z	6.11	2.77	mm	152	104	25
AL	CMP1406A	2.44	1.10	in	6	4	1
ZN	CMP1606Z	9.00	4.08	mm	152	152	25
AL	CMP1606A	3.60	1.63	in	6	6	1
ZN	CMP1612Z	18.00	8.16	mm	305	152	25
AL	CMP1612A	7.20	3.27	in	12	6	1
ZN	CMP075406Z	4.60	2.09	mm	152	104	20
AL	CMP075406A	1.84	0.84	in	6	4	0.8
ZN	CMP11504Z	1.50	0.68	mm	104	38	25
AL	CMP11504A	0.60	0.27	in	4	1.5	1
ZN	CMP11505Z	2.00	0.91	mm	125	38	25
AL	CMP11505A	0.80	0.36	in	5	1.5	1



**Available with
or*



*without
wires*



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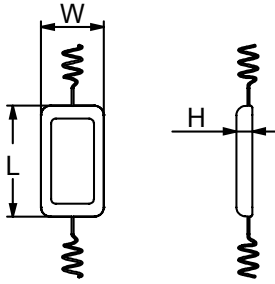
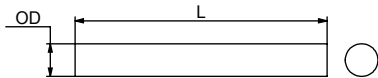


PLATE STOCK ANODES

	PID	LB	KG	L	W	H
ZN	CMP166Z	8.80	3.99	mm	155	25
AL	CMP166A	3.52	1.60	in	6.12	1
ZN	CMP631Z	4.41	2.00	mm	155	80
AL	CMP631A	1.76	0.80	in	6.12	3.2
ZN	CMP05306WZ	2.30	1.04	mm	152	76
AL	CMP05306WA	0.92	0.42	in	6	3
ZN	CMP05606WZ	4.61	2.10	mm	152	152
AL	CMP05606WA	1.84	0.84	in	6	6
ZN	CMP05612WZ	9.20	4.19	mm	305	152
AL	CMP05612WA	3.68	1.67	in	12	6
ZN	CMP075306WZ	3.46	1.57	mm	152	76
AL	CMP075306WA	1.38	0.63	in	6	3
ZN	CMP075406WZ	4.61	2.10	mm	152	101
AL	CMP075406WA	1.84	0.84	in	6	4



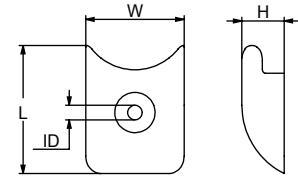
ROD STOCK ANODES

	PID	LB	KG	L	OD
ZN	CMR0512Z	0.60	0.27	mm	305
				in	12
ZN	CMR062512Z	0.96	0.43	mm	305
				in	12
ZN	CMR07512Z	1.35	0.61	mm	305
				in	12
ZN	CMR1524Z	10.80	4.90	mm	610
				in	24
ZN	CMR224Z	19.30	8.76	mm	610
				in	24
ZN	CMR324Z	43.20	19.60	mm	610
				in	24
ZN	CMR037536Z	1.01	0.46	mm	914
				in	36
ZN	CMR0536Z	1.80	0.82	mm	914
				in	36
ZN	CMR062539Z	3.14	1.42	mm	1000
				in	39
ZN	CMR07539Z	4.43	2.01	mm	1000
				in	39
ZN	CMR087539Z	5.93	2.69	mm	1000
				in	39
ZN	CMR139Z	7.66	3.48	mm	1000
				in	39
ZN	CMR12539Z	12.55	5.70	mm	1000
				in	39

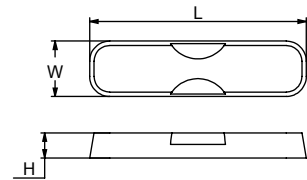
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

WALTER KEEL ANODES

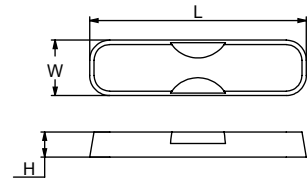
	PID	LB	KG		L	W	H	ID
ZN	CMKK1Z	1.02	0.46	mm	84	65	29	10
AL	CMKK1A	0.41	0.19					
MG	CMKK1M	0.28	0.13	in	3.32	2.57	1.12	0.37
ZN	CMKK2Z	1.21	0.55	mm	84	83	29	10
AL	CMKK2A	0.48	0.22					
MG	CMKK2M	0.34	0.15	in	3.22	3.25	1.12	0.37
ZN	CMKK3Z	3.12	1.42	mm	137	89	41	9
AL	CMKK3A	1.25	0.57					
MG	CMKK3M	0.87	0.39	in	5.4	3.5	1.62	0.35



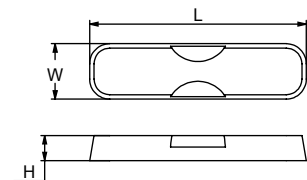
	PID	LB	KG		L	W	H
ZN	CMX453Z	0.21	0.10	mm	86	22	10
AL	CMX453A	0.08	0.04				
MG	CMX453M	0.06	0.03	in	3.37	0.87	0.37



	PID	LB	KG		L	W	H
ZN	CMX473Z	0.63	0.29	mm	172	32	10
AL	CMX473A	0.25	0.11				
MG	CMX473M	0.18	0.08	in	6.75	1.25	0.37



	PID	LB	KG		L	W	H
ZN	CMX58Z	0.73	0.33	mm	159	22	12
AL	CMX58A	0.29	0.13				
MG	CMX58M	0.20	0.10	in	6.25	0.87	0.5



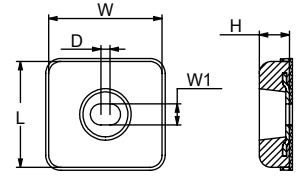
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

COMMERCIAL

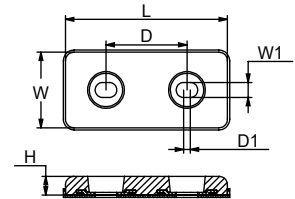
HULL ANODES
(SPECIAL ORDERS)

HULL ANODES

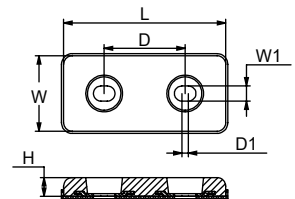
Bolt-on	PID	LB	KG		L	W	W1	H	D
ZN	JDP320220Z	1.28	0.58	mm	75	70	14	20	6
				in	3	2.8	0.55	0.8	0.24



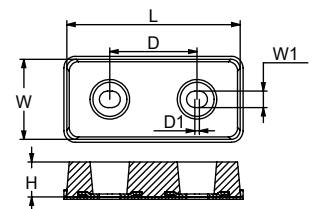
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDP320221Z	2.35	1.07	mm	150	70	14	18	75	6
				in	5.9	2.8	0.55	0.7	2.95	0.24



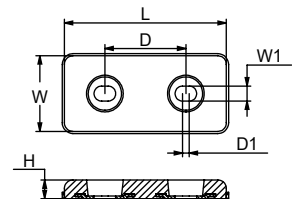
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDP320222Z	2.68	1.22	mm	150	70	14	20	75	6
AL	JDP320222A	1.18	0.54	in	5.9	2.8	0.55	0.8	2.95	0.24



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDB2GBZ	3.20	1.50	mm	150	75	14	25	75	4
AL	JDB2GBA	1.30	0.60	in	2.9	3	0.55	1	2.95	0.16



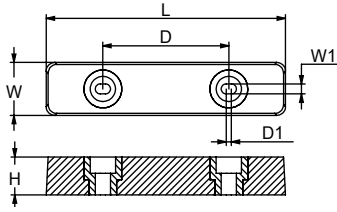
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDP320223Z	3.28	1.49	mm	150	70	14	25	75	6
				in	5.9	2.8	0.55	1	2.95	0.24



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HULL ANODES

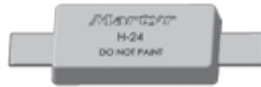
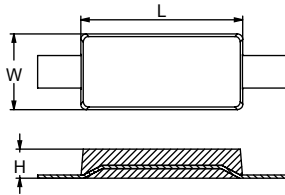
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



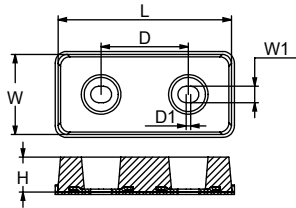
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH39SBZ	3.30	1.50	mm	190	42	8	30	100	4
AL	JDH39SBA	1.32	0.60	in	7.5	1.62	0.31	1.19	3.94	0.16



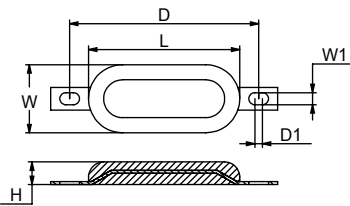
Weld-on	PID	LB	KG		L	W	H
ZN	JDH24GZ	4.20	1.90	mm	150	70	27
AL	JDH24GA	2.00	0.90	in	5.9	2.76	1.1



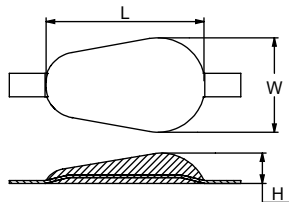
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDP320219Z	4.30	1.95	mm	200	100	14	15	110	6
				in	7.87	3.94	0.55	0.59	4.33	0.24



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH48GZ	4.40	2.00	mm	200	80	16	30	200	10
AL	JDH48GA	1.90	0.90	in	7.87	3.15	0.63	1.18	7.87	0.39



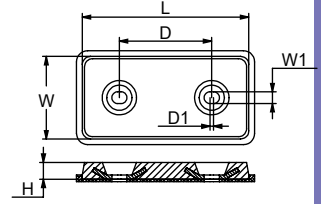
Weld-on	PID	LB	KG		L	W	H
ZN	JDDM20Z	4.85	2.20	mm	169	100	32
AL	JDDM20A	2.00	0.90	in	6.7	4	1.26



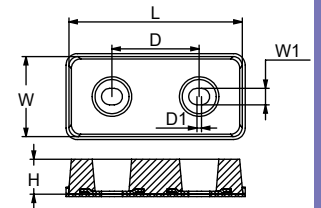
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

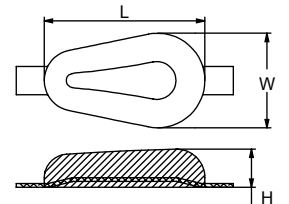
Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDB3GBZ	5.50	2.50	mm	200	100	14	20	110	4
AL	JDB3GBA	2.30	1.00	in	7.87	3.94	0.55	0.8	4.33	0.16



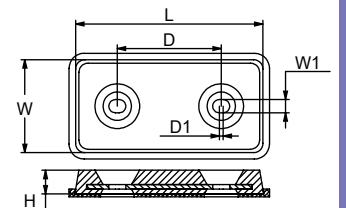
Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDP320224Z	5.64	2.56	mm	200	100	14	20	110	6
				in	7.87	3.94	0.55	0.8	4.33	0.24



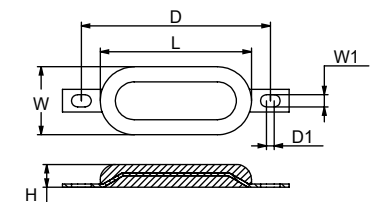
Weld-on	PID	LB	KG	L	W	H	
ZN	JDDM28GBZ	6.60	3.00	mm	170	100	40
AL	JDDM28GBA	2.90	1.30	in	6.7	3.9	1.57



Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH62GBZ	6.60	3.00	mm	200	100	14	25	110	4
AL	JDH62GBA	2.90	1.30	in	7.87	3.94	0.55	1	4.33	0.16



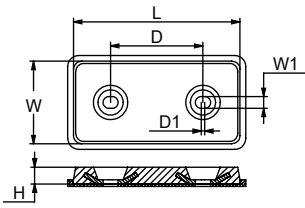
Combo	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH49GBZ	6.60	3.00	mm	200	90	16	30	250	10
AL	JDH49GBA	2.20	1.00	in	7.87	3.54	0.63	1.18	9.84	0.39



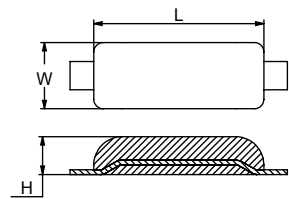
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HULL ANODES

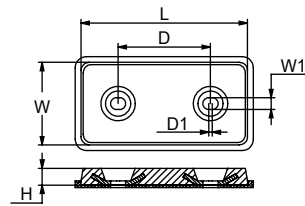
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



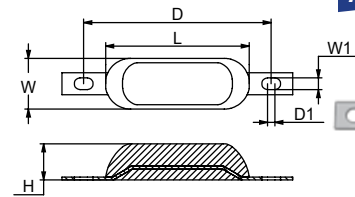
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH56GBZ	6.80	3.10	mm	200	100	14	25	110	4
AL	JDH56GBA	3.10	1.40	in	7.87	3.94	0.55	1	4.33	0.16



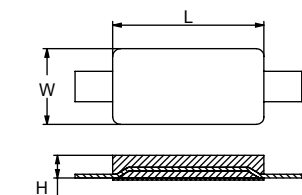
Weld-on	PID	LB	KG		L	W	H
ZN	JDH10GZ	7.50	3.40	mm	180	70	40
AL	JDH10GA	3.10	1.40	in	7.1	2.76	1.57



Weld-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDB4GBZ	7.90	3.60	mm	200	100	14	30	110	4
AL	JDB4GBA	3.30	1.50	in	7.87	3.94	0.55	1.18	4.33	0.16



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH55GBZ	9.10	4.20	mm	200	70	16	50	250	10
AL	JDH55GBA	3.70	1.70	in	7.87	2.75	0.63	1.97	9.84	0.39



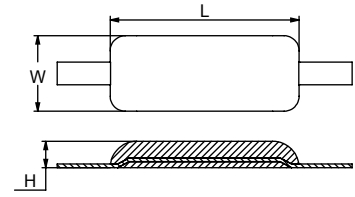
Weld-on	PID	LB	KG		L	W	H
ZN	JDS4GZ	9.20	4.20	mm	200	100	30
AL	JDS4GA	4.20	1.90	in	7.87	3.94	1.18



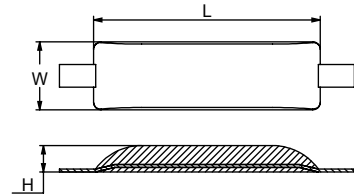
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

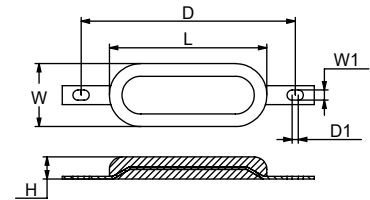
Weld-on	PID	LB	KG		L	W	H
ZN	JDGBZH02Z	11.90	5.40	mm	250	100	35
AL	JDGBZH02A	5.07	2.30	in	9.8	4	1.38



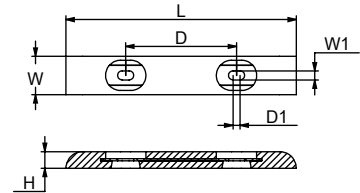
Weld-on	PID	LB	KG		L	W	H
ZN	JDDM45Z	13.00	5.90	mm	300	90	35
AL	JDDM45A	5.00	2.30	in	11.8	3.54	1.38



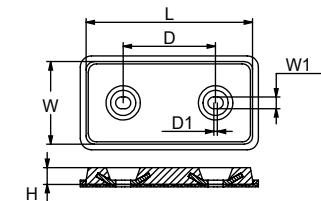
Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH50GBZ	11.00	5.00	mm	250	100	16	35	340	10
AL	JDH50GBA	4.62	2.10	in	9.8	4	0.63	1.38	13.4	0.39



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH53GBZ	14.50	6.60	mm	457	76	18	33	220	14
AL	JDH53GBA	5.90	2.70	in	18	3	0.7	1.3	8.66	0.55



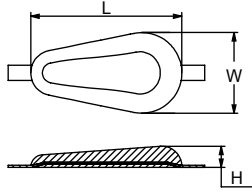
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDB8GBZ	16.10	7.30	mm	300	150	18	25	160	4
AL	JDB8GBA	6.40	2.90	in	11.8	5.9	0.7	1	6.3	0.16



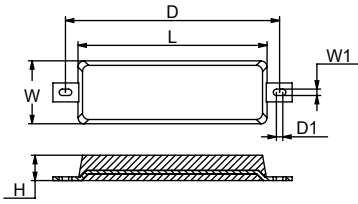
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HULL ANODES

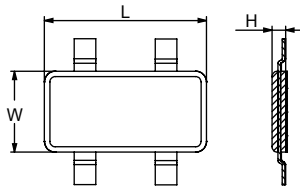
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



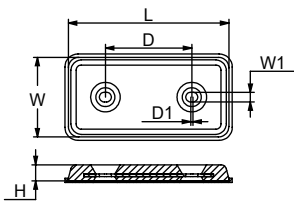
Weld-on	PID	LB	KG	L	W	H	
ZN	JDDM60GZ	16.50	7.50	mm	300	160	42
AL	JDDM60GA	6.38	2.90	in	11.8	6.3	1.63



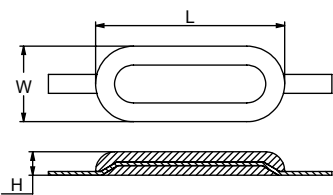
Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH61GBZ	17.2	7.8	mm	300	100	10	40	340	10
AL	JDH61GBA	7.0	3.2	in	11.8	3.94	0.39	1.57	14	0.39



Weld-on	PID	LB	KG	L	W	H	
ZN	JDS8GZ	17.60	8.00	mm	300	150	25
AL	JDS8GA	7.70	3.50	in	11.8	5.9	1



Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH63GBZ	17.60	8.00	mm	300	150	18	30	160	4
AL	JDH63GBA	7.00	3.20	in	11.8	5.9	0.7	1.18	6.3	0.16

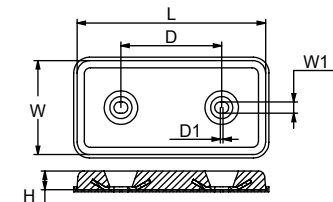


Weld-on	PID	LB	KG	L	W	H	
ZN	JDH51GZ	17.60	8.00	mm	300	120	37
AL	JDH51GA	7.70	3.50	in	11.8	4.7	1.46

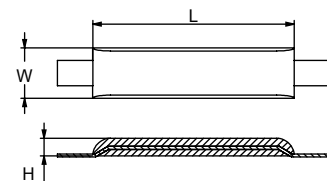
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

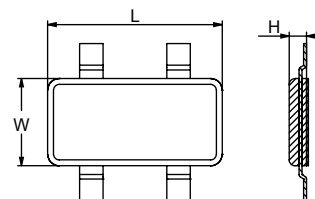
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDB9GBZ	18.30	8.30	mm	300	150	18	30	160	22
AL	JDB9GBA	7.00	3.20	in	11.8	5.9	0.7	1.18	6.3	0.87



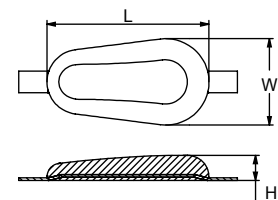
Weld-on	PID	LB	KG		L	W	H
ZN	JDH01Z	19.50	9.00	mm	400	100	35
AL	JDH01A	8.80	4.00	in	15.75	4	1.38



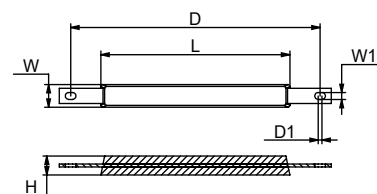
Weld-on	PID	LB	KG		L	W	H
ZN	JDS9GZ	19.80	9.00	mm	300	150	30
AL	JDS9GA	8.80	4.00	in	11.8	5.9	1.18



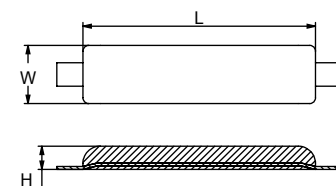
Weld-on	PID	LB	KG		L	W	H
ZN	JDDM96GZ	22.00	10.00	mm	300	150	45
AL	JDDM96GA	9.24	4.20	in	11.8	5.9	1.77



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH47GBZ	23.50	10.70	mm	500	60	18	50	660	12
AL	JDH47GBA	10.30	4.70	in	19.7	2.36	0.7	1.97	26	0.47



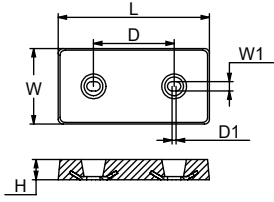
Weld-on	PID	LB	KG		L	W	H
ZN	JDH7GZ	23.50	10.70	mm	400	100	40
AL	JDH7GA	9.90	4.50	in	15.7	3.94	1.57



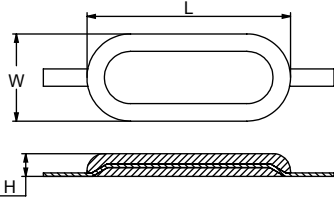
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HULL ANODES

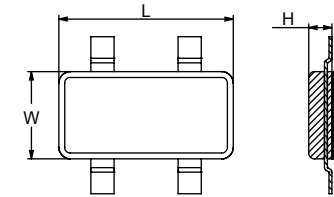
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



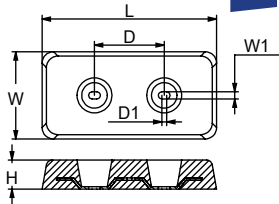
Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH21GBZ	24.2	11.0	mm	300	150	18	40	160	8
AL	JDH21GBA	9.2	4.2	in	11.8	5.9	0.72	1.57	6.3	0.32



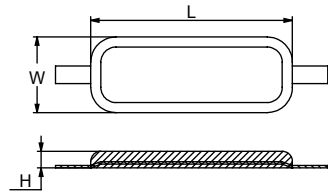
Weld-on	PID	LB	KG	L	W	H	
ZN	JDH52GZ	26.40	12.00	mm	350	150	39
AL	JDH52GA	10.80	4.90	in	13.8	5.9	1.5



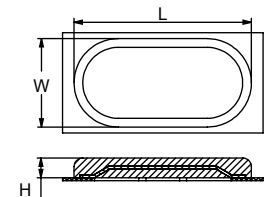
Weld-on	PID	LB	KG	L	W	H	
ZN	JDS9EGZ	26.40	12.00	mm	300	150	40
AL	JDS9EGA	11.00	5.00	in	11.8	5.9	1.57



Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH13GBZ	26.4	12.0	mm	300	150	12	50	120	8
AL	JDH13GBA	10.8	4.9	in	11.8	5.9	0.47	2	4.72	0.32



Weld-on	PID	LB	KG	L	W	H	
ZN	JDH26GZ	27.10	12.30	mm	400	150	33
AL	JDH26GA	11.00	5.00	in	15.7	5.9	1.3



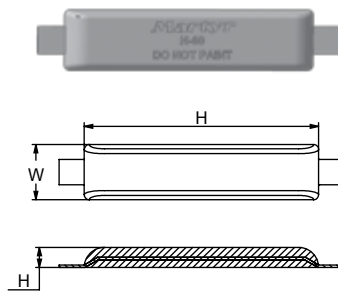
Weld-on	PID	LB	KG	L	W	H	
AL	JDH36GA	11.20	5.10	mm	305	152	34
				in	12	6	1.34



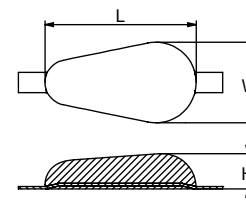
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

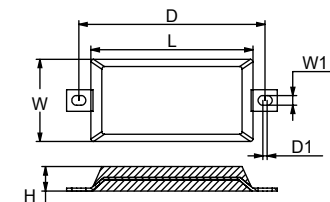
Weld-on	PID	LB	KG		L	W	H
ZN	JDH60GZ	27.50	12.50	mm	465	110	40
AL	JDH60GA	11.90	5.40	in	18.3	4.33	1.57



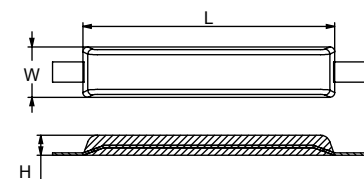
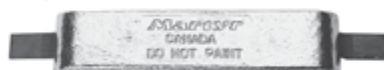
Weld-on	PID	LB	KG		L	W	H
ZN	JDDM121GZ	27.90	13.00	mm	300	160	70
AL	JDDM121GA	13.40	6.10	in	11.8	6.3	2.75



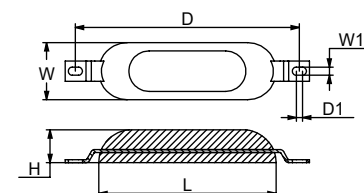
Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDDM121GBZ	28.60	13.00	mm	300	152	18	45	345	8
AL	JDDM121GBA	13.42	6.10	in	11.8	6	0.71	1.77	13.58	0.31



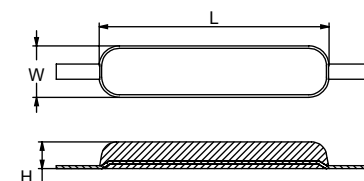
Weld-on	PID	LB	KG		L	W	H
ZN	JDH6GZ	28.60	13.00	mm	500	100	40
AL	JDH6GA	12.10	5.50	in	19.7	3.94	1.6



Combo	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH45GBZ	28.60	13.00	mm	352	113	16	65	445	16
AL	JDH45GBA	13.42	6.10	in	13.8	4.45	0.63	2.56	17.5	0.63



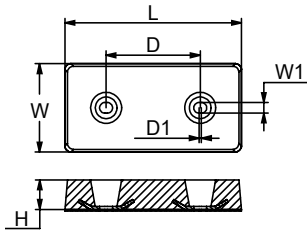
Weld-on	PID	LB	KG		L	W	H
ZN	JDZD140GZ	30.80	14.00	mm	456	102	53
AL	JDZD140GA	12.50	5.70	in	18	4	2.08



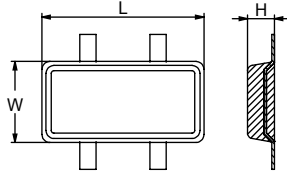
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

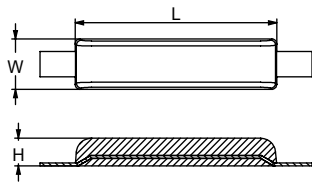
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



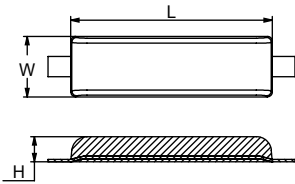
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH23BZ	31.2	14.2	mm	300	150	18	50	160	8
AL	JDH23BA	12.1	5.5	in	11.8	5.9	0.72	1.96	6.3	0.32



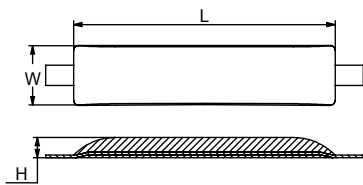
Weld-on	PID	LB	KG		L	W	H
ZN	JDH11GZ	31.90	14.50	mm	300	150	50
				in	11.8	5.9	2



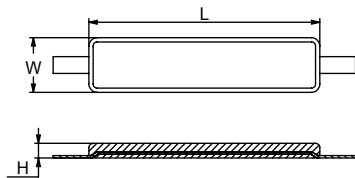
Weld-on	PID	LB	KG		L	W	H
ZN	JDGBZH01Z	33.00	15.00	mm	400	100	55
AL	JDGBZH01A	13.44	6.40	in	15.75	3.94	2.17



Weld-on	PID	LB	KG		L	W	H
ZN	JDH5GZ	35.00	15.90	mm	400	120	50
AL	JDH5GA	14.10	6.40	in	15.7	4.7	1.97



Weld-on	PID	LB	KG		L	W	H
ZN	JDDM155Z	36.60	16.60	mm	520	120	40
AL	JDDM155A	14.50	6.60	in	15.75	4.7	1.6



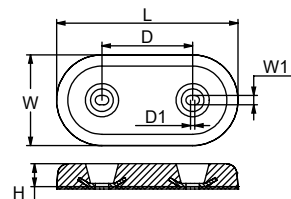
Weld-on	PID	LB	KG		L	W	H
ZN	JDZD170GZ	37.40	17.00	mm	550	130	35
AL	JDZD170GA	15.62	7.10	in	21.7	5.12	1.38



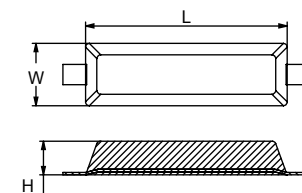
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

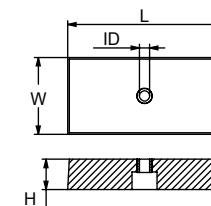
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH58GBZ	37.80	17.20	mm	360	180	18	45	180	8
AL	JDH58GBA	15.20	6.90	in	14.1	7.1	0.72	1.77	7	0.32



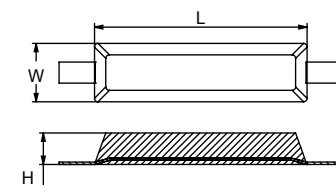
Weld-on	PID	LB	KG		L	W	H
ZN	JDH15GZ	37.80	17.20	mm	400	124	67
AL	JDH15GA	15.40	7.00	in	15.7	4.9	2.64



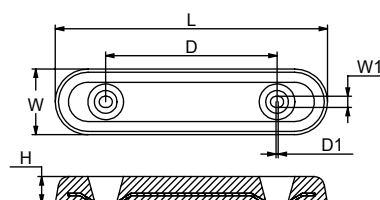
Bolt-on	PID	LB	KG		L	W	H	ID
ZN	JDH37SZ	40.50	18.40	mm	305	152	60	20
AL	JDH37SA	15.40	7.00	in	12	6	2.36	0.79



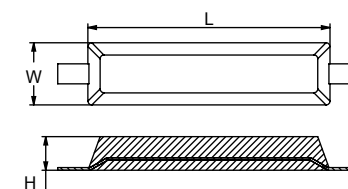
Weld-on	PID	LB	KG		L	W	H
ZN	JDH25SZ	42.90	19.50	mm	450	124	67
AL	JDH25SA	19.80	9.00	in	17.7	4.88	2.64



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH54GBZ	44.00	20.00	mm	540	130	22	53	340	4
AL	JDH54GBA	17.90	8.10	in	21.26	5.12	0.87	2.08	13.4	0.16



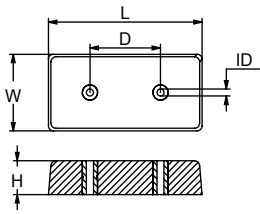
Weld-on	PID	LB	KG		L	W	H
ZN	JDH35GZ	45.50	20.70	mm	480	124	67
AL	JDH35GA	18.70	8.50	in	18.9	4.88	2.64



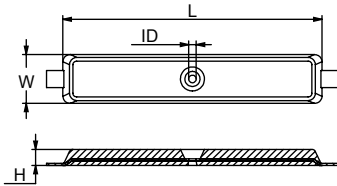
Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

HULL ANODES

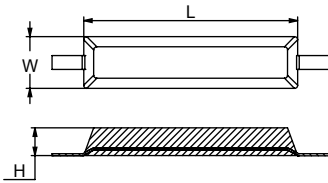
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



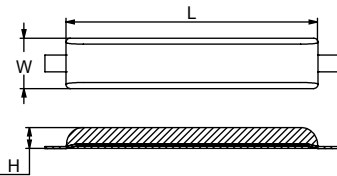
Bolt-on	PID	LB	KG	L	W	H	D	ID	
ZN	JDH40SBZ	47.4	21.6	mm	305	152	67	140	14
AL	JDH40SBA	18.2	8.3	in	12	6	2.64	5.51	0.55



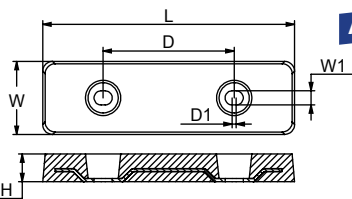
Combo	PID	LB	KG	L	W	H	ID	
ZN	JDDM217Z	50.60	23.00	mm	680	128	40	20
AL	JDDM217A	20.90	9.50	in	26.8	5	1.57	0.79



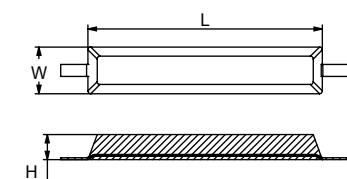
Weld-on	PID	LB	KG	L	W	H	
ZN	JDH17GZ	51.50	23.40	mm	510	123	66
AL	JDH17GA	20.70	9.40	in	20	4.84	2.6



Weld-on	PID	LB	KG	L	W	H	
ZN	JDH4GZ	52.40	23.80	mm	600	120	50
AL	JDH4GA	22.00	10.00	in	23.6	4.7	1.97



Bolt-on	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDH59GBZ	60.7	27.6	mm	500	145	28	55	260	8
AL	JDH59GBA	21.1	9.6	in	19.7	5.7	1.1	2.17	10.24	0.31



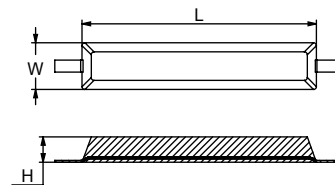
Weld-on	PID	LB	KG	L	W	H	
ZN	JDMA3305SZ	63.10	28.70	mm	620	124	67
AL	JDMA3305SA	25.10	11.40	in	24.4	4.88	2.64



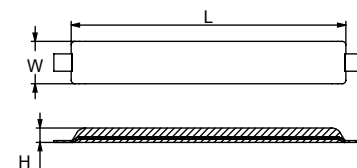
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

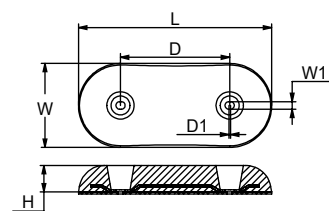
Weld-on	PID	LB	KG		L	W	H
ZN	JDH34GZ	64.00	29.10	mm	650	124	67
AL	JDH34GA	26.40	12.00	in	25.6	4.88	2.64



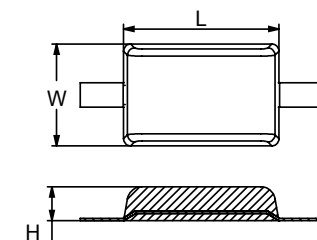
Weld-on	PID	LB	KG		L	W	H
ZN	JDDM105GZ	65.10	29.60	mm	800	123	42
AL	JDDM105GA	26.40	12.00	in	31.5	4.84	1.65



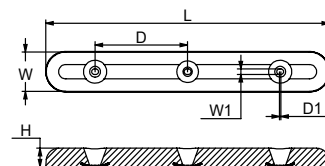
Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH24GBZ	64.90	29.50	mm	460	200	18	64	260	4
AL	JDH24GBA	25.30	11.50	in	18.1	7.87	0.71	2.52	10.25	0.16



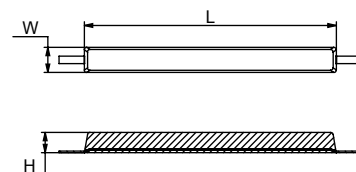
Bolt-on	PID	LB	KG		L	W	H
ZN	JDH22GZ	67.10	30.50	mm	320	210	70
AL	JDH22GA	26.80	12.20	in	12.6	8.27	2.76



Bolt-on	PID	LB	KG		L	W	W1	H	D	D1
ZN	JDH22GBZ	83.60	38.00	mm	920	130	18	60	300	4
AL	JDH22GBA	26.80	12.20	in	36.2	5.1	0.71	2.36	11.81	0.16



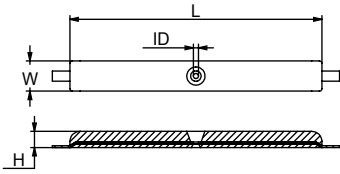
Weld-on	PID	LB	KG		L	W	H
ZN	JDE2GZ	111.00	50.40	mm	1000	100	80
AL	JDE2GA	45.50	20.70	in	39.4	3.94	3.15



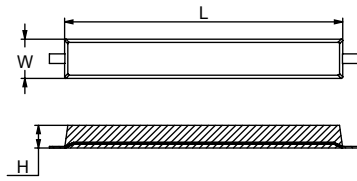
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HULL ANODES

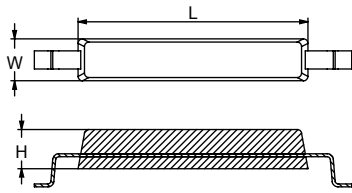
BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED



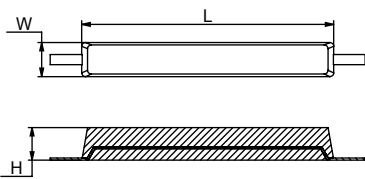
Combo	PID	LB	KG		L	W	H	ID
ZN	JD485GZ	110.0	50.0	mm	1000	120	64	20
AL	JD485GA	43.6	19.8	in	39.4	4.7	2.5	0.79



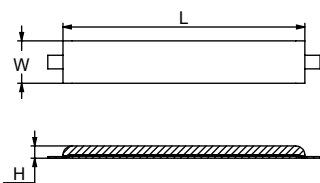
Weld-on	PID	LB	KG		L	W	H
ZN	JDH27GZ	124.80	56.70	mm	920	130	75
AL	JDH27GA	49.50	22.50	in	36.2	5.12	2.95



Weld-on	PID	LB	KG		L	W	H
ZN	JDC1GZ	189.00	86.00	mm	760	139	130
AL	JDC1GA	77.00	35.00	in	30	5.5	5.12



Weld-on	PID	LB	KG		L	W	H
ZN	JDE3GZ	242.00	110.00	mm	1000	135	130
AL	JDE3GA	93.70	42.60	in	39.4	5.31	5.12



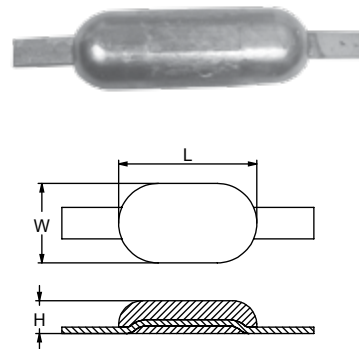
Weld-on	PID	LB	KG		L	W	H
ZN	JDH3GZ	67.00	30.40	mm	800	140	40
AL	JDH3GA	27.60	12.50	in	31.50	5.5	1.57



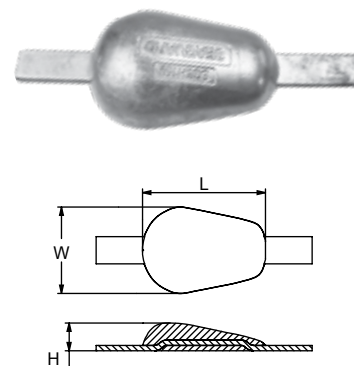
HULL ANODES

BOLT HOLES CAN BE ADDED ON STRAPS AS REQUIRED

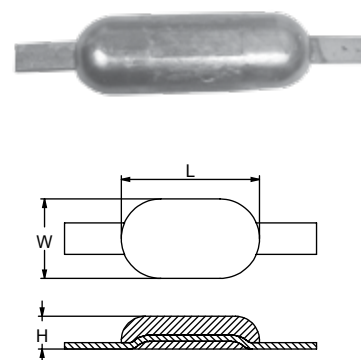
Weld-on	PID	LB	KG		L	W	H
ZN	SGSH506Z	1.32	0.60	mm	115	60	17
AL	SGSH506A	0.79	0.36	in	4.5	2.37	0.66
MG	SGSH506M	0.66	0.30				
ZN	SGSH507Z	2.20	1.00	mm	110	63	26
AL	SGSH507A	1.15	0.52	in	4.33	2.48	1
MG	SGSH507M	0.88	0.40				
ZN	SGSH508Z	3.97	1.80	mm	200	70	26
AL	SGSH508A	2.00	0.91	in	7.87	2.76	1.02
MG	SGSH508M	1.50	0.68				
ZN	SGSH509Z	4.85	2.20	mm	215	70	29
AL	SGSH509A	2.43	1.10	in	8.46	2.75	1.14
MG	SGSH509M	1.72	0.78				
ZN	SGSH510Z	7.54	3.00	mm	200	90	35
AL	SGSH510A	3.09	1.40	in	7.87	3.54	1.38
MG	SGSH510M	2.20	1.00				



Weld-on	PID	LB	KG		L	W	H
ZN	SGSH100Z	2.20	1.00	mm	118	80	26
AL	SGSH100A	1.15	0.52	in	4.65	3.15	1
MG	SGSH100M	0.88	0.40				
ZN	SGSH159Z	3.97	1.80	mm	140	90	40
AL	SGSH159A	1.92	0.87	in	5.50	3.54	1.57
MG	SGSH159M	1.43	0.65				

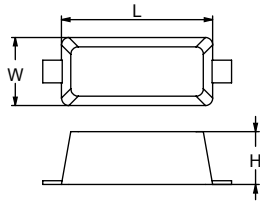


Weld-on	PID	LB	KG		L	W	H
ZN	SGSH16Z	11.22	5.09	mm	300	80	40
AL	SGSH16A	4.94	2.24	in	11.8	3.15	1.57
MG	SGSH16M	3.53	1.60				
ZN	SGSH25Z	19.38	8.79	mm	320	147	40
AL	SGSH25A	8.07	3.66	in	12.6	5.79	1.57
MG	SGSH25M	5.51	2.50				

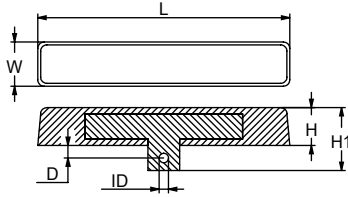


Remember: **Zinc** - Salt water only, **Aluminum** - Salt and Brackish water, **Magnesium** - Fresh water only.

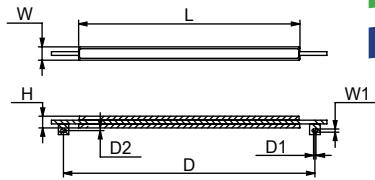
BALLAST TANK ANODES



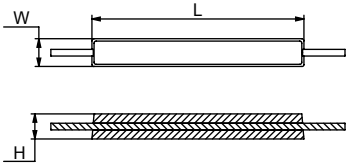
Weld-on	PID	LB	KG	L	W	H	
ZN	JDZT8GZ	16.50	7.50	mm	200	90	70
AL	JDZT8GA	6.60	3.00	in	7.88	3.5	2.8



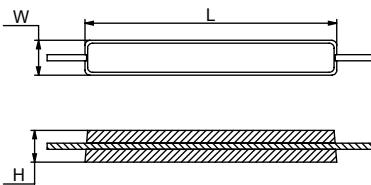
Combo	PID	LB	KG	L	W	H	H1	D	ID	
ZN	JDT9GZ	22.0	10.0	mm	400	70	60	100	20	15
AL	JDT9GA	9.0	4.1	in	15.7	2.75	2.36	3.94	0.79	0.59



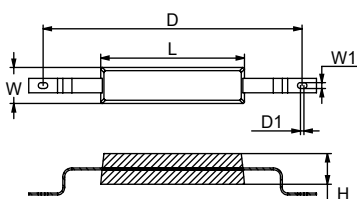
Combo	PID	LB	KG	L	W	H	H1	D	D1	
ZN	JDI13GZ	25.33	11.5	mm	820	50	12	43	93	9
AL	JDI13GA	11.00	5.0	in	32	2	0.5	1.7	36.7	0.35



Weld-on	PID	LB	KG	L	W	H	
ZN	JDT13GZ	28.60	13.00	mm	500	60	60
AL	JDT13GA	12.30	5.60	in	19.7	2.36	2.36



Weld-on	PID	LB	KG	L	W	H	
ZN	JDGBZT01Z	34.40	15.60	mm	516	69	63
AL	JDGBZT01A	14.50	6.60	in	20.3	2.72	2.48



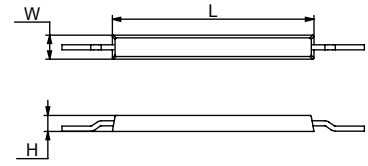
Combo	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDT12GZ	48.4	22.0	mm	400	100	16	85	720	10
AL	JDT12GA	19.8	9.0	in	15.7	3.94	0.63	3.35	28.3	0.4



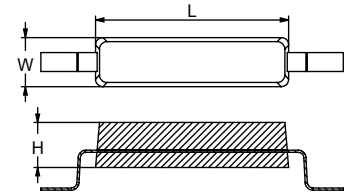
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BALLAST TANK ANODES

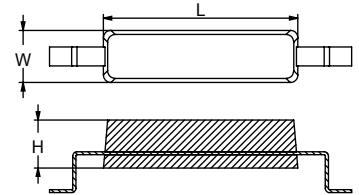
Weld-on	PID	LB	KG		L	W	H
ZN	JD237Z	55	25	mm	800	74	64
AL	JD237A	22	10	in	32	3	2.5



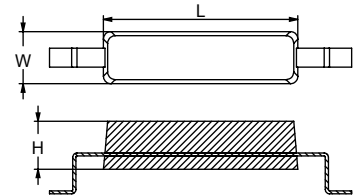
Combo	PID	LB	KG		L	W	H
ZN	JDT3GZ	108.5	49.3	mm	500	130	120
AL	JDT3GA	44	20	in	19.7	5.2	4.7



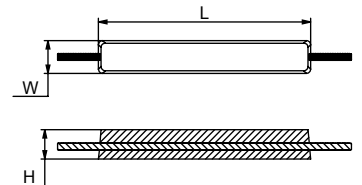
Combo	PID	LB	KG		L	W	H
ZN	JDT1GZ	131	59.5	mm	500	135	130
AL	JDT1GA	50.6	23	in	19.7	5.3	5.1



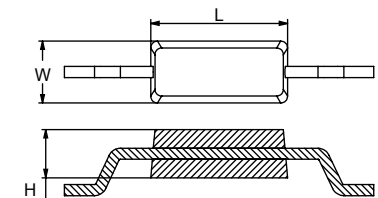
Combo	PID	LB	KG		L	W	H
ZN	JD117GZ	449	204	mm	700	83	83
AL	JD117GA	176	80	in	27.6	3.27	3.27



Weld-on	PID	LB	KG		L	W	H
ZN	JDT14GZ	38.8	17.6	mm	500	70	70
AL	JDT14GA	16.3	7.4	in	19.7	2.76	2.76

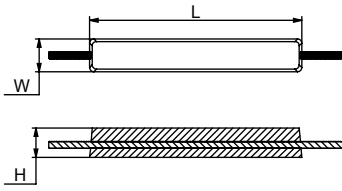


Weld-on	PID	LB	KG		L	W	H
ZN	JDT11GZ	18.7	8.5	mm	200	90	70
AL	JDT11GA	8.1	3.7	in	7.9	3.54	2.76

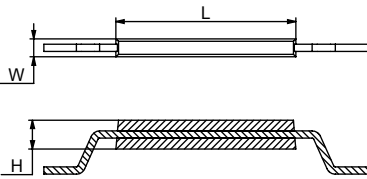


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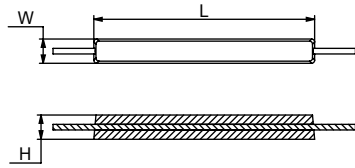
BALLAST TANK ANODES



Bolt-on	PID	LB	KG	L	W	H	
ZN	JDT14GZF	39.2	17.8	mm	500	70	70
AL	JDT14GAF	16.3	7.4	in	19.7	2.76	2.76



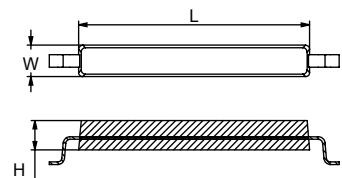
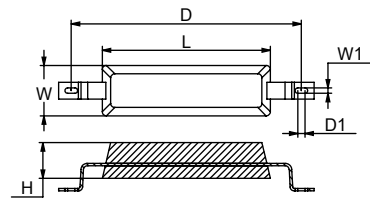
Weld-on	PID	LB	KG	L	W	H	
ZN	JDT15GZ	90.2	41	mm	1000	80	80
AL	JDT15GA	36.3	16.5	in	39.4	3.15	3.15



Weld-on	PID	LB	KG	L	W	H	
ZN	JDT16GZ	26.4	12	mm	730	80	80
AL	JDT16GA	11.7	5.3	in	28.7	3.15	3.15



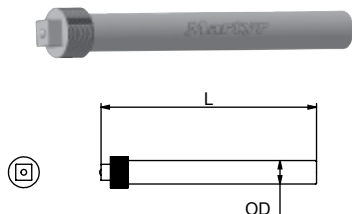
Combo	PID	LB	KG	L	W	W1	H	D	D1	
ZN	JDT19GZ	59	26.8	mm	400	120	13	85	548	17
AL	JDT19GA	22.4	10.2	in	15.7	4.72	0.5	3.35	21.6	0.67



Weld-on	PID	LB	KG	L	W	H	
ZN	JDT22GZ	40.9	18.6	mm	550	75	70
AL	JDT22GA	16.9	7.7	in	21.7	2.95	2.76



HEAT EXCHANGER ANODES

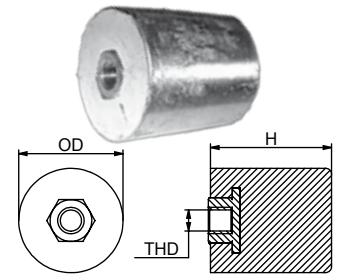


	PID	LB	KG	L	OD	
ZN	JDROD25DZ	1.78	0.81	mm	228	25
				in	9	1

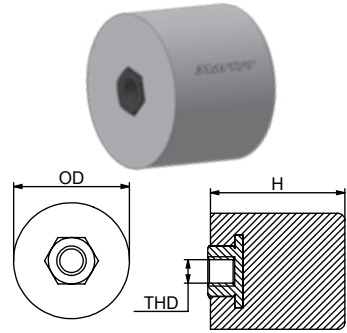
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HEAT EXCHANGER ANODES

	PID	LB	KG	L	OD	THD
ZN	JDROD69DZ	4.50	2.04	mm	80	69
				in	3.15	2.7

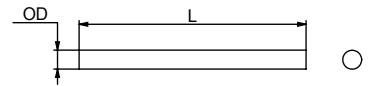


	PID	LB	KG	L	OD	THD
ZN	JDROD100DZ	9.57	4.35	mm	80	100
				in	3.15	4

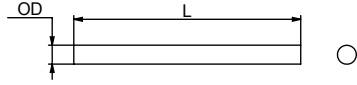


ROD STOCK ANODES

	PID	LB	KG	L	OD
ZN	JDROD25Z	2.42	1.10	mm 300	25
AL	JDROD25A	1.00	0.45	in 11.81	1
ZN	JDROD30Z	3.30	1.50	mm 300	30
AL	JDROD30A	1.34	0.61	in 11.81	11.81
ZN	JDROD40Z	5.95	2.70	mm 300	40
AL	JDROD40A	2.40	1.09	in 11.81	1.5
ZN	JDROD45Z	7.49	3.40	mm 300	45
AL	JDROD45A	3.04	1.38	in 11.81	1.75
ZN	JDROD50Z	9.24	4.20	mm 300	50
AL	JDROD50A	3.74	1.70	in 11.81	2
ZN	JDROD55Z	11.23	5.10	mm 300	55
AL	JDROD55A	4.54	2.06	in 11.81	2.25
ZN	JDROD60Z	13.44	6.10	mm 300	60
AL	JDROD60A	5.44	2.47	in 11.81	2.37
ZN	JDROD65Z	15.64	7.10	mm 300	65
AL	JDROD65A	6.32	2.87	in 11.81	2.5
ZN	JDROD70Z	18.28	8.30	mm 300	70
AL	JDROD70A	7.40	3.36	in 11.81	2.75
ZN	JDROD75Z	20.90	9.50	mm 300	75
AL	JDROD75A	8.48	3.85	in 11.81	3
ZN	JDROD80Z	24.00	10.90	mm 300	80
AL	JDROD80A	9.71	4.41	in 11.81	3.12
ZN	JDROD85Z	27.10	12.30	mm 300	85
AL	JDROD85A	10.97	4.98	in 11.81	3.37
ZN	JDROD90Z	30.18	13.70	mm 300	90
AL	JDROD90A	12.22	5.55	in 11.81	3.5



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ROD STOCK ANODES

	PID	LB	KG		L	OD
ZN	JDROD95Z	33.70	15.30	mm	300	95
AL	JDROD95A	13.63	6.19	in	11.81	3.75
ZN	JDROD100Z	37.44	17.00	mm	300	100
AL	JDROD100A	15.15	6.88	in	11.81	4
ZN	JDROD105Z	41.20	18.70	mm	300	105
AL	JDROD105A	16.67	7.57	in	11.81	4.12
ZN	JDROD110Z	45.15	20.5	mm	300	110
AL	JDROD110A	18.28	8.30	in	11.81	4.37
ZN	JDROD115Z	49.34	22.40	mm	300	115
AL	JDROD115A	20.00	9.07	in	11.81	4.5



ANODES: Time for a rethink on zinc?

Whether motivated by corporate good citizenship or just the need to keep a step ahead of the regulators, the marine industry is on a quest to burnish its green credentials. Sometimes the changes involved can be huge, challenging and expensive: such as bringing an exhaust gas scrubber on board, or looking to use photovoltaic cells to generate part of the vessel's electric power.

Some changes, though, may be a lot simpler. Case in point, the cathodic protection of vessel structures against corrosion. In most steel hulled vessels, the sacrificial anodes of choice have traditionally been zinc—and when it comes time to replace them, the replacements are installed in the shipyard with the owner not giving too much thought to where the shipyard sources them.

From both an environmental point of view and an economic one, this is an area of vessel maintenance that could be long overdue for a rethink. Many leading owners, including Crowley Maritime and the U.S. Navy long ago switched from using zinc anodes to aluminum—and they insist that those anodes meet a specification.

In the offshore industry, aluminum is the anode material of choice to protect pipelines and other subsea installations where long term protection against corrosion is essential.

One well-known ship operator opting for aluminum rather than zinc anodes

is Crowley Maritime Corporation which maintains a fleet of 200 vessels, consisting of RO/RO vessels, LO/LO vessels, tugs and barges.

Crowley's vice president, Engineering, and a 30-year Crowley veteran, Bill Metcalf says the company has used aluminum anodes, "since before I joined the company." The reason? "It's based on utilization. The aluminum anodes will last longer in the water, they have a better performance life," says Metcalf.

For Crowley, that means that vessels can go three years between drydockings with hulls remaining protected and without anodes having to be replaced. In the case of double-hulled vessels, vessels are going for five years between drydockings with the aluminum anodes. The double hulled vessels are inspected in water by divers after two and a half years and the aluminum anodes "are doing the job."

Crowley makes use of the size of its fleet to get economies of scale when buying anodes. With some 40 drydockings a year, its purchasing department will put out a bid, based on a specification, for around 1,600 aluminum anodes at a time.

Crowley's choice of anode material is based on the fact that "from a performance view, they are a better buy," says Metcalf.

CADMIUM: NASTY HEAVY METAL

Crowley has a long history of envi-

ronmental initiatives that have earned awards from several prestigious organizations, including the Chamber of Shipping of America and the U.S. Coast Guard's William Benkert Award for Environmental Excellence, among others. That makes the fact that aluminum anodes are cadmium free "a nice environmental bonus."

The environmental problem with zinc anodes is that not only is the zinc itself a pollutant that can find its way into things such as mussels, but they contain a significant percentage of cadmium. It's essential for the process by which the zinc gets sacrificed (thereby protecting the vessel structure from corrosion). So you can't have a cadmium-free zinc anode. It wouldn't be an anode, it would just be a lump of zinc.

AN ECHO OF THE TBT DEBATE

One big difference between tributyltin (TBT)—the most effective biocide ever used in antifouling compounds which is now banned—and cadmium pollution is that antifouling was the primary source for TBT's presence in the oceans. Sacrificial anodes probably account for a tiny percentage of the cadmium in oceans and estuaries. However cadmium pollution from anodes is something that can be identified, quantified and stopped. Already, new ships wanting to have the classification notation "Green Passport," must list any cadmium or cad-

mium compounds on the ship. Interestingly, the place to list it is in the section immediately following organotins (TBT).

Because TBT was so effective, the coatings industry and shipowners fought hard to retain it. In the case of sacrificial anodes, however, the fact is that there is a better product out there that actually costs less than zinc and works better: aluminum anodes. And because the aluminum anodes weigh less than the zinc equivalents, there will be a resultant fuel savings that can be significant for larger owners deploying aluminum anodes on a fleetwide basis. Another bonus is that the lighter weight makes aluminum anodes easier to transport and install.

Hard to believe? Let's start with some basics. Anodes are not sold by weight, but by surface area. Though aluminum costs more per pound than zinc, an aluminum anode of the same size as a zinc anode will weigh about half as much and will therefore cost less. It will also have a longer effective life.

Cathodic protection specialist Paul Fleury an ex-U.S. Navy nuclear plant technician and founder of Marine Services, Earlysville, Va., says that in terms of protective power the

aluminum anodes have 3.5 times the energy of zinc anodes. They also have 20 percent better self-cleaning benefits, in his experience. If aluminum is the anode of choice for steel-hulled vessels, what's the right choice for aluminum vessels? "Aluminum," says Mr. Fleury.

The metal on the vessel with the most negative potential is going to be the metal that corrodes first. The aluminum in the anode will sacrifice before the hull because it has a greater negative potential. The anode material is not just a chunk of the marine grade aluminum from which the hull is constructed. It is an alloy made to a strict specification under strictly controlled manufacturing conditions and designed to have the correct potential for anodic use.

The U.S. Navy has done very extensive work on determining the alloys, composition and, importantly, the production process to produce effective sacrificial anodes. Consequently, the Navy's MILSPEC for anodes has become "the global benchmark for shipyards and shipowners," says John Mitchell, President of leading anode manufacturer Canada Metal (Pacific), or CMP. The tables show the performance and com-

position specs of the Martyr I zinc and Martyr II aluminum anodes manufactured, to MILSPEC, by CMP. As the tables show, MILSPEC aluminum anodes outperform the equivalent zinc anodes on every count. And, because aluminum weighs less than zinc and what's at play here is surface area, the aluminum alloy anodes should cost less.

So, why are some zinc anodes cheaper than aluminum? One problem, says Paul Fleury, is that MILSPEC mentions the desirability of using recycled products.

"In the metals business we have a distinction between the terminologies recycled and scrap," says CMP's John Mitchell.

"I have been called out to many shipyards by anxious owners or equipment suppliers who have hauled out a vessel only to find the hull, keel coolers, shafts or propellers full of holes due to corrosion—even though there seemed to be sufficient anode protection," says Mr. Mitchell. "When testing the anodes I usually find that the alloy does not conform to the MILSPEC. Generally our tests determine that it was made with scrap aluminum or zinc!"



CORROSION

According to Mr. Mitchell, there are a number of anode suppliers out there who do not even have the basic alloy testing equipment and are not certified by any third party Quality Management Auditing Group. There are also reports of quality problems with some imported anodes.

“Many shipyards do not even ask for certificate of analysis or ISO-9000 (Quality Management System) certification,” says Mr. Mitchell. “Out of sight out of mind and the cheaper the better!”

Mr. Mitchell says the U.S. Navy’s recommendation on the use of recycled material is fine, as long as that material when alloyed meets the specification.

“For instance,” he says, “a good ‘feed’ for our cadmium-free Martyr II Aluminum anodes is recycled high voltage aluminum wire. This product in its scrap form has very little Fe and Si (iron and silicon) contamination and when properly processed with the other alloying components and then properly tested (via spark spectrometry), fits the MILSPEC recipe.” That’s not the case if the feed is any old discarded aluminum castings — particularly scrap anodes.

Many scrap yards are located near shipyards and will buy the yards’ scrap anodes (all of which contain some form of internal steel insert).

“The scrap yard, in turn, throws these old anodes into a huge pot, melts the old anodes complete with inserts, and other debris and then pours the molten material into molds that are not properly prepared,” says Mr. Mitchell, adding that the scrapyards then sell these anode-shaped pieces of remelted scrap to the shipyard. “No one is the wiser until the next haul out, when the shipyard or shipowner will point fingers at everyone except himself,” concludes Mr. Mitchell.

As even a well experienced technician cannot see, taste, feel or smell if an anode will work effectively, the alloy composition and manufacturing process have to be tested and measured by competent people in order to be confirmed effective.

In other words, if it looks like an anode, feels like an anode, and smells like anode, it may not actually be an anode — especially if the price is too low. If an anode that purports to be to MILSPEC isn’t supported by credible documentation, it likely doesn’t meet the

specification and won’t perform as required. CMP’s Martyr anodes are pressure diecast and manufactured to strict quality standards through an ISO 9001 Quality Management System. Every anode is UPC barcoded. In addition, each alloy is guaranteed to be manufactured to the latest US Military Alloy Specification and is chemically tested regularly in in-house labs to ensure consistency.

ALUMINUM: GREENER AND MORE BANG FOR THE BUCK

With aluminum anodes offering so many advantages, why do so many vessel owners and shipyards still opt for zinc? The answer may lie in the maritime industry’s penchant for clinging to old practices. Way back when, pure aluminum anodes proved ineffective because, in most environments, pure aluminum forms a thin protective oxide with a high electrical resistance that makes it ineffective as an anode. Alloying the aluminum with indium and the other components in the MILSPEC modifies the behavior of this film to create highly efficient anodes. These alloys have been around for some 60 years now, but the news appears not have filtered through to all anode buyers!

