

CATALOG



Martyr
The world's premium marine anode



Committed to protecting the environment!



ZINC
For Salt Water
ONLY



ALUMINUM
For Salt &
Brackish Water



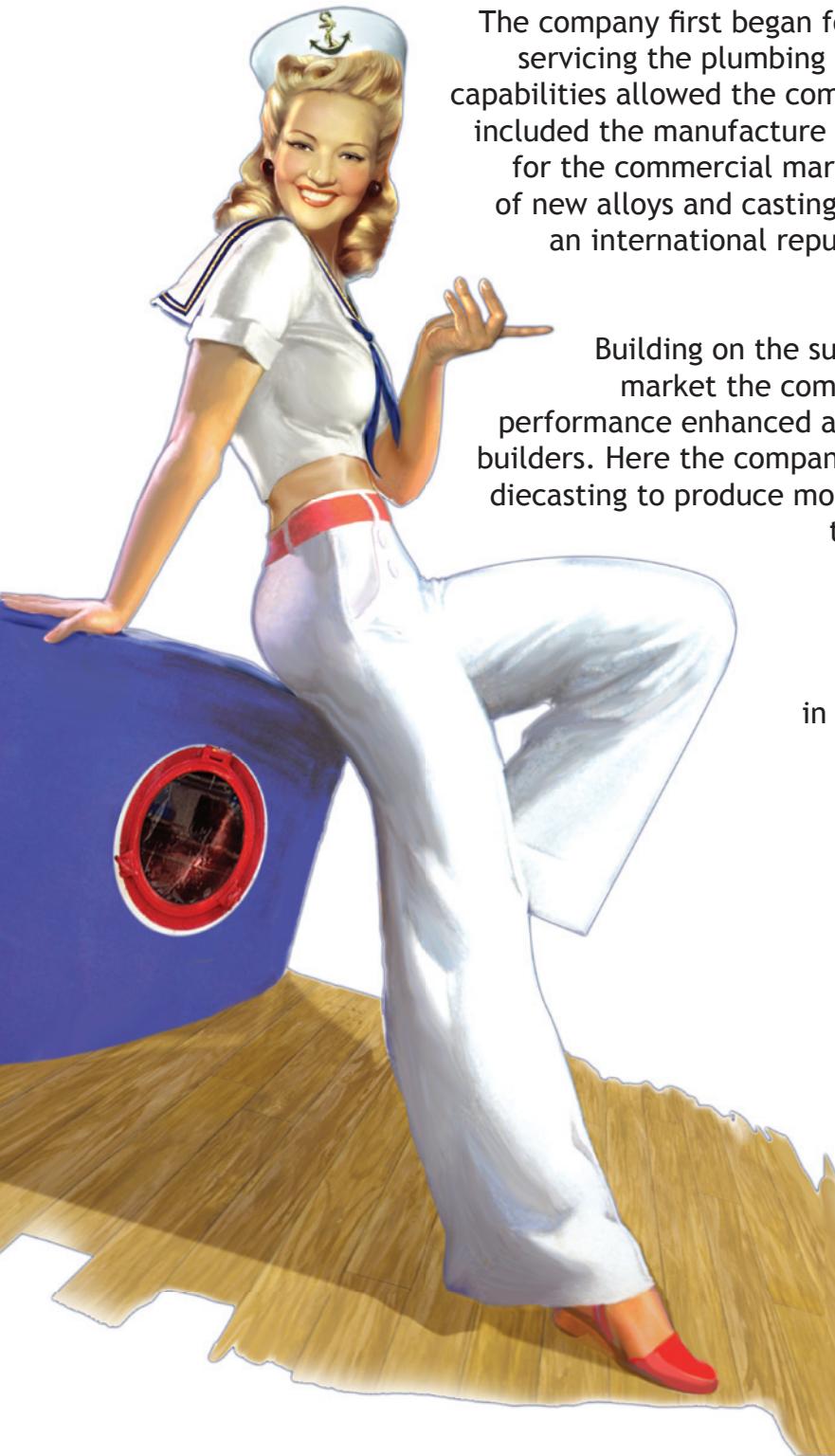
MAGNESIUM
For Fresh Water
ONLY

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**

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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Committed to protecting the environment!



Martyr

The world's premium marine anode

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**

T: 1-604-940-2010 • F: 1-604-952-2650

sales@martyranodes.com • www.martyranodes.com

How to use this catalogue...

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 square. Add either the letters Z, A, or M to the product code.

For example:

CM31640Z = ZINC alloy • CM31640A = ALUMINUM alloy • CM31640M = 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-A-18001K)

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-A-24779(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 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 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 manufacturers 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 or 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.

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 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 whereas 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 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.

Reprinted courtesy of MG Duff International

M2 Aluminum Alloy Anodes:

- Perform at least 5% better than traditional zinc anodes in saltwater
- Protect 50% longer than traditional zinc anode
- Contain 0% Cadmium, a toxic material found in traditional zinc anodes, making it environmentally friendly
- Weigh 50% less than traditional zinc anodes
- Meets the US Military Specification Mil-A-24779(SH)
- Is the only anode proven to be effective in Salt & Brackish water
- Results in considerable cost savings compared with traditional zinc anodes on commercial products

Note these are averages and based on lab testing in a controlled environment. Real world variables can impact these figures.

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, page 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. If any of your boating is also in brackish or salt water, fit aluminum anodes. (<http://www.boatus.com/boattech/casey/sacrificial-zincs.asp> by Don Casey)

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. It is the only manufacturer that offers all 3 alloys for all water environments for pleasurecraft and commercial.

Martyr
ANODES



Committed to protecting the environment!

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Pleasurecraft

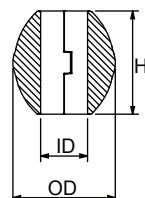
Shaft & Rudder Anodes

STREAMLINED SHAFT ANODES

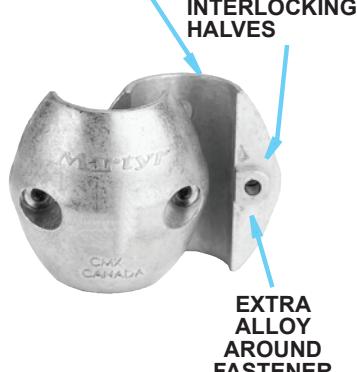


**The World's Best
Shaft Anode Design in**

- Fit
- Longevity
- Bolt retaining washers prevent the anode from falling off – easy installation underwater



**Full shaft contact
100% CIRCULAR RADIUS**



**TWO STAINLESS STEEL
HARDWARE
OPTIONS TO CHOOSE FROM...**



Allen head w/lock
washer & bolt retaining
washer.

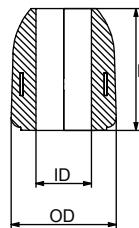


Slotted head w/lock
washer & bolt retaining
washer.

Part ID	ID	OD	H	+Z	+A	+M
CMX00	1/2" (12mm)	1.64" (42mm)	1.95" (50mm)	0.51 (0.23kg)	0.18 (0.08kg)	0.15 (0.07kg)
CMX01	5/8" (19mm)	2.04" (52mm)	2" (51mm)	0.8 (0.36kg)	0.28 (0.13kg)	0.18 (0.08kg)
CMX02	3/4" (22mm)	2.12" (54mm)	2.08" (53mm)	0.9 (0.41kg)	0.32 (0.15kg)	0.22 (0.1kg)
CMX03	1" (25mm)	2.16" (55mm)	2.15" (55mm)	0.92 (0.42kg)	0.34 (0.15kg)	0.22 (0.1kg)
CMX04	1 1/8" (28mm)	2.36" (60mm)	2 1/4" (57mm)	1.14 (0.52kg)	0.4 (0.18kg)	0.28 (0.13kg)
CMX05	1 1/4" (32mm)	2.42" (61mm)	2.35" (60 mm)	1.17 (0.53kg)	0.44 (0.2kg)	0.28 (0.13kg)
CMX05A	1 1/4" (32mm)	2.68" (68mm)	2.45" (62 mm)	1.72 (0.78kg)	0.65(0.29kg)	0.92(0.42kg)
CMX06	1 3/8" (35mm)	2.66" (67mm)	2.35" (60 mm)	1.48 (0.67kg)	0.56 (0.25kg)	0.36 (0.16kg)
CMX07	1 1/2" (38 mm)	2.78" (70mm)	2 1/2" (63 mm)	1.68 (0.76kg)	0.64 (0.29kg)	0.42 (0.19kg)
CMX08	1 3/4" (44mm)	3 1/4" (82mm)	2 3/4"(73mm)	2.48 (1.13kg)	0.88 (0.4kg)	0.6 (0.27kg)
CMX09	2" (51mm)	3.6" (82mm)	2.9" (73mm)	3.1 (1.41kg)	1.1(0.5kg)	0.8 (0.36kg)
CMX10	2 1/4" (57mm)	4 1/4" (106mm)	3 3/4" (95mm)	6.08 (2.76kg)	2.16(0.98kg)	1.57(0.71kg)
CMX11	2 1/2" (63mm)	4 1/4" (106mm)	3 3/4" (95mm)	5.18 (2.35kg)	1.84(0.83kg)	1.34(0.61kg)
CMX12	2 3/4" (70mm)	4 7/8" (120mm)	3 5/8" (92mm)	7.53 (3.42kg)	2.67(1.21kg)	1.94(0.88kg)
CMX13	3" (76mm)	4 7/8" (120mm)	3 5/8" (92mm)	6.54 (2.97kg)	2.32(1.05kg)	1.69(0.77kg)
CMX15	3 1/2" (89mm)	5.7" (145mm)	3.78" (96mm)	9.03 (4.1kg)	3.2(1.45kg)	2.33(1.06kg)
CMX17	4" (101mm)	6" (152mm)	3 1/2" (89mm)	9.2 (4.2kg)	3.26(1.48kg)	2.37(1.08kg)
CMX18	4 1/2" (114mm)	6 1/4" (159mm)	3 1/2" (89mm)	9 (4kg)	3.19(1.45kg)	2.32(1.05kg)
CMX19	5" (127mm)	6 3/4" (171mm)	3 1/2" (89mm)	9.8 (4.44kg)	3.48(1.58kg)	2.53(1.15kg)
CMX20	5 1/2" (140mm)	7.3" (185mm)	3 1/2" (89mm)	11 (5kg)	3.9(1.77kg)	2.84(1.29kg)
CMX21	6" (152mm)	7.8" (198mm)	3 1/2" (54mm)	12 (5.44kg)	4.26(1.93kg)	3.1(1.4kg)
CMX25	25mm(1")	56mm(2.2")	55mm(2.17")	0.49kg(1.08)	0.17kg(0.38)	0.13kg(0.29)
CMX30	30mm(1.18")	58mm(2 5/16")	60mm(2.36")	0.55kg(1.21)	0.19kg(0.43)	0.14kg(0.31)
CMX34	34mm(1.34")	65mm(2.56")	68mm(2.68")	0.67kg(1.48)	0.26kg(0.57)	0.16kg(0.35)
CMX35	35mm(1.38")	66mm(2 5/8")	65mm(2 5/8")	0.69kg(1.52)	0.24kg(0.54)	0.18kg(0.39)
CMX40	40mm(1.57")	82mm(3 1/4")	73mm(2 7/8")	1.20kg(2.64)	0.43kg(0.94)	0.31kg(0.68)
CMX45	45mm(1.77")	82mm(3 1/4")	73mm(2 7/8")	1.14kg(2.51)	0.4kg(0.89)	0.29kg(0.65)
CMX50	50mm(2")	82mm(3 1/4")	73mm(2 7/8")	0.95kg(2.09)	0.34kg(0.74)	0.24kg(0.54)
CMX55	55mm(2.17")	105mm(4.13")	90mm(3.54")	2.9kg (6.39)	1.03kg(2.27)	0.75kg(1.65)
CMX60	60mm(2.36")	110mm(4.33")	90mm(3.54")	2.59kg(5.7)	0.92kg(2.02)	0.67kg(1.47)
CMX65	65mm(2.56")	120mm(4.72")	90mm(3.54")	3.68kg(8.11)	1.03kg(2.88)	0.95kg(2.09)
CMX70	70mm(2.76")	128mm(5.04")	100mm(3.94")	3.64kg(8.02)	1.29kg(2.85)	0.91kg(2.01)
CMX75	75mm(2.95")	125mm(4.92")	100mm (3.94")	3.77kg(8.30)	1.34kg(2.95)	0.97kg(2.14)
CMX80	80mm(3.15")	130mm(5.12")	100mm (3.94")	3.9kg(8.59)	1.38kg(3.05)	1kg(2.22)
CMX90	90mm(3.54")	140mm(5.51")	110mm (4.33")	4.77kg(10.51)	1.69kg(3.73)	1.23kg(2.71)
CMX100	100mm(3.93")	150mm(5.83")	100mm (3.94")	4.76kg(10.5)	1.69kg(3.73)	1.22kg(2.7)

CLAMP SHAFT ANODES

Part ID	ID	OD	H	+Z	+A	+M
CMXC01	¾" (19mm)	2.19" (56mm)	2.54" (65mm)	1.66 (0.76kg)	0.65 (0.29kg)	0.42 (0.19kg)
CMXC02	⅝" (22mm)	2.19" (56mm)	2.54" (65mm)	1.57 (0.71kg)	0.62 (0.28kg)	0.39 (0.18kg)
CMXC03	1" (25.4mm)	2.19" (56mm)	2.54" (65mm)	1.46 (0.66kg)	0.57 (0.26kg)	0.35 (0.16kg)
CMXC04	1 ¼" (29mm)	2.19" (56mm)	2.54" (65mm)	1.35 (0.61kg)	0.53 (0.24kg)	0.34 (0.15kg)
CMXC05	1 ½" (32mm)	2.7" (70mm)	3.05" (78mm)	2.67 (1.21kg)	1.05 (0.48kg)	0.67 (0.3kg)
CMXC06	1 ¾" (35mm)	2.7" (70mm)	3.05" (78mm)	2.5 (1.13kg)	0.98 (0.44kg)	0.63 (0.29kg)
CMXC07	1 ½" (38mm)	2.7" (70mm)	3.05" (78mm)	2.3 (1.04kg)	0.9 (0.41kg)	0.56 (0.25kg)
CMXC08	1 ¾" (45mm)	3.33" (85mm)	3.92" (100mm)	5.25 (2.39kg)	2.06 (0.93kg)	1.31 (0.59kg)
CMXC09	2" (51mm)	3.33" (85mm)	3.92" (100mm)	4.6 (2.09kg)	1.8 (0.82kg)	1.15 (0.52kg)



METRIC SIZES

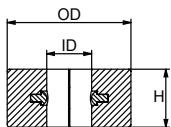
Part ID	ID	OD	H	+Z	+A	+M
CMXC25	25mm(1")	56mm(2.2")	65mm(2 ½")	1.5 (0.67kg)	0.59 (0.27kg)	0.38 (0.17kg)
CMXC30	30mm(1 ³/₁₆")	56mm(2.2")	65mm(2 ½")	1.3 (0.59kg)	0.51 (0.23kg)	0.33 (0.15kg)
CMXC35	35mm(1 ¾")	69mm(2.74")	78mm(3")	2.5 (1.13kg)	0.98 (0.44kg)	0.63 (0.29kg)
CMXC40	40mm(1.575")	69mm(2.74")	78mm(3")	2.16 (0.98kg)	0.85 (0.39kg)	0.54 (0.24kg)
CMXC45	45mm(1 ¼")	85mm(3 ¹/₃")	100mm(4")	5.2 (2.36kg)	2.04 (0.93kg)	0.19 (0.09kg)
CMXC50	50mm(2")	85mm(3 ¹/₃")	100mm(4")	4.7 (2.13kg)	1.84 (0.83kg)	1.18 (0.54kg)
CMXC60	60mm(2 ¹/₃")	85mm(3 ¹/₃")	100mm(4")	3.48 (1.58kg)	1.36 (0.62kg)	0.87 (0.39kg)
CMXC70	70mm(2 ¾")	113mm(4.43")	96mm(3 ¾")	6.43 (2.92kg)	2.57 (1.17kg)	1.61 (0.73kg)



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

LIMITED CLEARANCE SHAFT ANODES



METRIC SIZES

Part ID	ID	OD	H	+Z	+A	+M
CMC01	¾" (19mm)	2 ½" (54mm)	1" (25mm)	0.66 (0.3kg)	0.26 (0.12kg)	0.21 (0.1kg)
CMC02	⅝" (22mm)	2 ½" (54mm)	1" (25mm)	0.64 (0.29kg)	0.25 (0.11kg)	0.2 (0.09kg)
CMC03	1" (25mm)	2 ½" (63mm)	1 ¼" (32mm)	1.21 (0.55kg)	0.47 (0.21kg)	0.38 (0.17kg)
CMC04	1 ⅛" (28mm)	2 ½" (63mm)	1 ¼" (32mm)	1.10 (0.50kg)	0.43 (0.2kg)	0.35 (0.16kg)
CMC05	1 ¼" (32mm)	2 ½" (63mm)	1 ¼" (32mm)	1.15 (0.52kg)	0.45 (0.21kg)	0.35 (0.16kg)
CMC06	1 ⅜" (35mm)	3" (76mm)	1 ¼" (32mm)	1.61 (0.73kg)	0.63 (0.29kg)	0.52 (0.24kg)
CMC07	1 ½" (38 mm)	3" (76mm)	1 ¼" (32mm)	1.48 (0.67kg)	0.58 (0.26kg)	0.48 (0.22kg)
CMC08	1 ¾" (44mm)	3 ½" (89mm)	1 ¾" (35mm)	2.27 (1.03kg)	0.89 (0.4kg)	0.73 (0.33kg)
CMC09	2" (51mm)	3 ½" (89mm)	1 ¾" (35mm)	2.08 (0.95kg)	0.82 (0.37kg)	0.67 (0.3kg)
CMC09A	2 ¼" (57mm)	3 ½" (89mm)	1 ¾" (35mm)	1.76 (0.8kg)	0.69 (0.31kg)	0.57 (0.26kg)
CMC12	2 ½" (63mm)	5" (127mm)	1 ½" (38mm)	5.4 (2.45kg)	2.12 (0.96kg)	1.74 (0.79kg)
CMC12A	2 ¾" (70mm)	5" (127mm)	1 ½" (38mm)	5.18 (2.35kg)	2.03 (0.92kg)	1.67 (0.76kg)
CMC13	3" (76mm)	5" (127mm)	1 ½" (38mm)	4.85 (2.2kg)	1.9 (0.86kg)	1.57 (0.71kg)
CMC14	3 ½" (89mm)	6 ½" (165mm)	1 ½" (38mm)	5.66 (2.57kg)	2.22 (1kg)	1.83 (0.83kg)
CMC15	4" (101mm)	6 ½" (165mm)	1 ½" (38mm)	8 (3.63kg)	3.14 (1.42kg)	2.58 (1.17kg)
CMC20	20mm(¾")	54mm(2 ½")	25mm(1")	3.16kg(6.96)	1.24kg(2.73)	2.25 (1.02kg)
CMC25	25mm(1")	63mm(2 ½")	32mm(1 ¼")	0.31kg(0.68)	0.12kg(0.27)	0.22 (0.1kg)
CMC30	30mm(1.18")	63mm(2 ½")	32mm(1 ¼")	0.49kg(1.08)	0.19kg(0.42)	0.35 (0.16kg)
CMC35	35mm(1.38")	76mm(3")	32mm(1 ¼")	0.55kg(1.21)	0.21kg(0.47)	0.39 (0.18kg)
CMC40	40mm(1.57")	76mm(3")	32mm(1 ¼")	0.69kg(1.52)	0.27kg(0.6)	0.49 (0.22kg)
CMC45	45mm(1.77")	89mm(3 ½")	35mm(1 ¾")	1.22kg(2.69)	0.48kg(1.05)	0.87 (0.39kg)
CMC50	50mm(2")	89mm(3 ½")	35mm(1 ¾")	1.22kg(2.69)	0.48kg(1.05)	0.87 (0.39kg)
CMC60	60mm(2.36")	120mm(4.72")	29mm(1.14")	1.46kg(3.22)	0.57kg(1.26)	1.04 (0.47kg)
CMC70	70mm(2.76")	130mm(5.12")	29mm(1.14")	1.66kg(3.66)	0.65kg(1.44)	1.18 (0.54kg)
CMC75	75mm(2.95")	135mm(5.31")	29mm(1.14")	1.74kg(3.83)	0.68kg(1.5)	1.24 (0.56kg)
CMC80	80mm(3.15")	140mm(5.51")	29mm(1.14")	1.81kg(3.99)	0.71kg(1.56)	1.29 (0.59kg)
CMC90	90mm(3.54")	170mm(6.69")	40mm(1.57")	4kg(8.81)	1.56kg(3.45)	2.85 (1.29kg)
CMC100	100mm(3.94")	180mm(7.09")	40mm(1.57")	4.3kg(9.47)	1.68kg(3.71)	3.06 (1.39kg)
CMC120	120mm(4.72")	220mm(8.66")	40mm(1.57")	6.5kg(14.32)	2.55kg(5.62)	4.63 (2.1kg)

- Bolt retaining washers prevent the anode from falling off – easy installation underwater

TWO STAINLESS STEEL
HARDWARE
OPTIONS TO CHOOSE FROM ...



Allen head w/lock
washer & bolt retaining
washer.

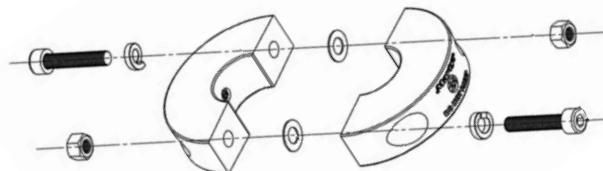


Slotted head w/lock
washer & bolt retaining
washer.

EURO STYLE LIMITED CLEARANCE SHAFT ANODES



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



Thin Euro Style Collar Anodes

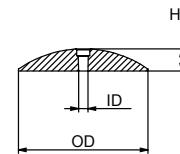
- Bolt retaining washers prevent the anode from falling off--easy installation underwater

Part ID	Inside DIA	Outside DIA	Length	+Z	+A	+M
CMC22EURO	22mm (7/8")	60mm (2.36")	15.5mm (0.6")	0.49(0.22kg)	0.19(0.08kg)	0.12(0.05kg)
CMC25EURO	25mm (1")	60mm (2.36")	15.5mm (0.6")	0.49(0.22kg)	0.19(0.08kg)	0.12(0.05kg)
CMC30EURO	30mm (1 1/8")	60mm (2.36")	15.5mm (0.6")	0.49(0.22kg)	0.19(0.08kg)	0.12(0.05kg)
CMC35EURO	35mm (1 3/8")	74mm (3")	18mm (0.7")	0.79 (0.36kg)	0.31(0.14kg)	0.2(0.09kg)
CMC40EURO	40mm (1 1/2")	74mm (3")	18mm (0.7")	0.7(0.32kg)	0.27(0.12kg)	0.18(0.08kg)
CMC45EURO	45mm (1 3/4")	82mm (3 1/4")	18mm (0.7")	0.82 (0.37kg)	0.32(0.15kg)	0.2(0.09kg)
CMC50EURO	50mm (2")	82mm (3 1/4")	18mm (0.7")	0.7(0.32kg)	0.27(0.12kg)	0.18(0.08kg)

RUDDER / TRIM TAB ANODES

Part ID	ID	OD	H	+Z	+A	+M
CMR01	0.2" (5.1mm)	1 7/8" (47mm)	0.35"(6mm)	0.28 (0.13kg)	0.1 (0.045kg)	0.07 (0.03kg)
CMR02	0.28" (7.1mm)	2 13/16" (71mm)	1/2" (12mm)	0.94 (0.43kg)	0.34 (0.16kg)	0.23 (0.1kg)
CMR03	0.34" (8.6mm)	3 3/4" (95mm)	1/2" (12mm)	1.6 (0.73kg)	0.56 (0.374kg)	0.39 (0.18kg)
CMR04	0.34" (8.6mm)	5" (127mm)	0.65"(16mm)	3.21 (1.46kg)	1.13 (0.51kg)	0.78 (0.36kg)
CMR05	0.37" (9.4mm)	5 1/8" (130mm)	7/8" (22mm)	4.7 (2.14kg)	1.65 (0.75kg)	1.14 (0.52kg)
CMR07	0.32" (8.1mm)	6 1/2" (165mm)	7/8" (22mm)	8.75 (3.98kg)	3.08 (1.4kg)	2.13 (0.97kg)

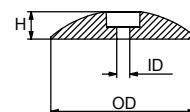
Rudder anodes are sold in pairs, with stainless steel bolt and nut. Bolt retaining washers prevent the anode from falling off – easy installation underwater



EURO STYLE RUDDER / TRIM TAB ANODES

Part ID	ID	OD	H	+Z	+A	+M
CMF50	0.26" (6.6mm)	2" (50mm)	0.41" (11mm)	0.17 (0.08kg)	0.06 (0.03kg)	0.04 (0.02kg)
CMF70	0.35" (8.8mm)	2 3/4" (70mm)	1/2" (13mm)	0.4 (0.18kg)	0.14 (0.06kg)	0.09 (0.04kg)
CMF90	0.35" (8.8mm)	3 1/2" (90mm)	7/8" (17mm)	0.91 (0.42kg)	0.32 (0.15kg)	0.21 (0.1kg)
CMF110	0.42" (10.6mm)	4 1/3" (110mm)	7/8" (19mm)	1.44 (0.65kg)	0.51 (0.23kg)	0.34 (0.15kg)
CMF125	0.45" (11.4mm)	5" (125mm)	0.83" (21mm)	2.1 (0.95kg)	0.74 (0.34kg)	0.49 (0.22kg)
CMF140	0.5" (12.6mm)	5 1/2" (140mm)	1" (26mm)	3.26 (1.48kg)	1.15 (0.52kg)	0.77 (0.35kg)

Sold in single half only



Pleasurecraft

Propeller Anodes

PROPELLER NUT ANODES

(incl. insert & hardware) Prop Nut COMPLETE



Type	Part ID	Shaft Size	Thread Size	Length	Outside DIA	Fastener socket head w/ patch	+Z	+A	+M
A	CMPNAC13	3/4" (19mm)	1/2"-13 UNC	1 1/2" (38mm)	1 1/4" (32mm)	1/4- 20x 1/2	0.46(0.21kg)	0.34(0.15kg)	0.32(0.15kg)
B	CMPNBC11	5/8" (22mm)	5/8"-11 UNC	2 1/8" (54mm)	1.65" (41mm)	1/4- 20x 1/2	0.76(0.34kg)	0.46(0.21kg)	0.39(0.18kg)
C	CMPNCC10	1" (25mm)	3/4"-10 UNC	3" (76mm)	2" (48mm)	5/16- 18x1	1.38(0.63kg)	0.78(0.35kg)	0.65(0.30kg)
C	CMPNCF16	1 1/8" (29mm)	3/4"-16 UNF	3" (76mm)	2" (48mm)	5/16- 18x1	1.38(0.63kg)	0.78(0.35kg)	0.65(0.30kg)
D	CMPNDC09	1 1/4" (32mm)	7/8"-9 UNC	3 1/16" (78mm)	2.3" (54mm)	5/16- 18x1	2.2(1kg)	1.33(0.6kg)	1.11(0.5kg)
D	CMPNDF14	1 1/4" (32mm)	7/8"-14 UNF	3 1/16" (78mm)	2.3" (54mm)	5/16- 18x1	2.2(1kg)	1.33(0.6kg)	1.11(0.5kg)
E	CMPNEC08	1 3/8"(35mm)	1"-8 UNC	3 1/2" (89mm)	2 1/2" (60mm)	5/16- 18x1	2.5(1.14kg)	1.43(0.65kg)	1.2(0.54kg)
E	CMPNEF14	1 3/8"(35mm)	1"-14 UNF	3 1/2" (89mm)	2 1/2" (60mm)	5/16- 18x1	2.5(1.14kg)	1.43(0.65kg)	1.2(0.54kg)
F	CMPNFC07	1 1/2" (38mm)	1 1/8"-7 UNC	3 1/2" (89mm)	2 3/4" (65mm)	5/16- 18x1	3(1.36kg)	1.75(0.79kg)	1.52(0.69kg)
G	CMPNGC07	1 3/4" (45mm)	1 1/4"-7 UNC	3 5/8" (92mm)	3 1/8" (73mm)	5/8- 16x 7/8	4.4(2kg)	2.59(1.18kg)	2.25(1.02kg)
H	CMPNHC06	2" (51mm)	1 1/2"-6 UNC	4" (102mm)	3.34" (83mm)	5/8- 16x 7/8	5.25(2.39kg)	3.22(1.46kg)	2.81(1.28kg)

REPLACEMENT PROPELLER NUT ANODES

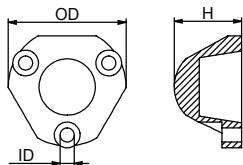


Type	Part ID	+Z	+A	+M
A	CMPNA	0.2 (0.09kg)	0.08 (0.03kg)	0.06 (0.027kg)
B	CMPNB	0.5 (0.23kg)	0.2 (0.09kg)	0.13 (0.06kg)
C	CMPNC	1 (0.45kg)	0.4 (0.19kg)	0.27 (0.12kg)
D	CMPND	1.5 (0.68kg)	0.63 (0.29kg)	0.41 (0.19kg)
E	CMPNE	1.75 (0.8kg)	0.68 (0.31kg)	0.45 (0.20kg)
F	CMPNF	2 (0.91kg)	0.75 (0.34kg)	0.52 (0.24kg)
G	CMPNG	2.9 (1.32kg)	1.09 (0.49kg)	0.75 (0.34kg)
H	CMPNH	3.25 (1.48kg)	1.22 (0.55kg)	0.81 (0.37kg)

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.

AUTOPROP™



CMPNH5

+Z 0.33 (0.15kg)

+A 0.13 (0.06kg)

+M 0.08 (0.04kg)

OD 2.24" (57mm)

ID 0.27" (6.9mm)

H 1.3" (33mm)

CMPNH6

+Z 0.8 (0.365kg)

+A 0.32 (0.15kg)

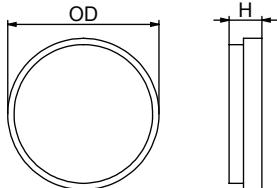
+M 0.2 (0.09kg)

OD 2.91" (74mm)

ID 0.35" (8.8mm)

H 1.81" (46mm)

AZIMUT BENETTI™



SGOU687

+Z 33.1 (15kg) OD 9.45" (240mm)

H 2" (52mm)

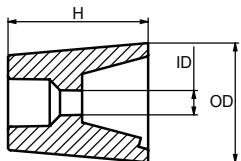
BENETEAU™



(incl. insert & hardware)

Prop Nut COMPLETE	Part ID	Thread Size(mm)	Fastener countersink socket head w/pitch	+Z	+A	+M
22/25MM	CMLAEC3250	M16 x 1.5	M6 x 20 SS	0.63(0.28kg)	0.25(0.11kg)	0.16(0.07kg)
30MM	CMLAEC3300	M20 x 1.5	M8 x 30 SS	1.19(0.54kg)	0.47(0.21kg)	0.3(0.14kg)
35MM	CMLAEC3500	M24 x 2	M8 x 30 SS	1.44(0.65kg)	0.56(0.25kg)	0.36(0.16kg)
40MM	CMLAEC4000	M24 x 2	M8 x 30 SS	2.13(0.97kg)	0.84(0.38kg)	0.53(0.24kg)
45MM	CMLAEC4500	M30 x 3	M10 x 30 SS	2.2(1kg)	0.86(0.39kg)	0.55(0.25kg)
45MM	SGEM291	M33 x 2	M10 x 25 SS	3.13(1.42kg)	2.18(0.99kg)	1.94(0.88kg)
50MM	CMLAEC5000	M36 x 3	M10 x 30 SS	5.2(2.36kg)	3.53(1.6kg)	3.15(1.43kg)
55MM	CMLAEC5500	M40 x 3	M10 x 30 SS	5.5(2.5kg)	4.1(1.85kg)	3.7(1.68kg)
60MM	CMLAEC6000	M45 x 3	M10 x 30 SS	8.2(3.72kg)	6(2.71kg)	5.4(2.45kg)

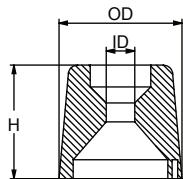
BENETEAU REPLACEMENT



Prop Nut

REPLACE	Part ID	ID	OD	H	+Z	+A	+M
22/25MM	CMAN225	0.27"(7mm)	1.32"(34mm)	1.55"(34mm)	0.31(0.14kg)	0.12(0.05kg)	0.08(0.04kg)
30MM	CMAN230	0.32"(8mm)	1.65"(42mm)	2.11"(54mm)	0.62(0.28kg)	0.24(0.11kg)	0.16(0.07kg)
35MM	CMAN235	0.33"(8mm)	1.81"(46mm)	2.28"(58mm)	0.55(0.25kg)	0.22(0.1kg)	0.14(0.06kg)
40MM	CMAN240	0.32"(8mm)	2.02"(51mm)	2.62"(67mm)	1.08(0.49kg)	0.42(0.19kg)	0.27(0.12kg)
45MM	CMAN245	0.41"(10mm)	2.4"(61mm)	2.99"(76mm)	1.7(0.77kg)	0.67(0.3kg)	0.43(0.2kg)
70MM	CMANCHN700	0.35"(9mm)	3.27"(83mm)	3.94"(100mm)	5.5(2.5kg)	2.16(0.98kg)	1.38(0.63kg)
45MM	SGEM291	0.4"(11mm)	2.3"(59mm)	2.9"(74mm)	1.61(0.73kg)	0.66(0.3kg)	0.42(0.19kg)
50MM	CMAN250	0.5"(12mm)	2.8"(71mm)	3.3"(84mm)	2.49(1.13kg)	1.01(0.46kg)	0.64(0.29kg)
55MM	CMAN255	0.4"(11mm)	2.8"(72mm)	3.3"(84mm)	2.47(1.12kg)	0.99(0.45kg)	0.62(0.28kg)
60MM	CMAN260	0.4"(11mm)	3.2"(81mm)	3.8"(96mm)	3.88(1.76kg)	1.57(0.71kg)	0.99(0.45kg)

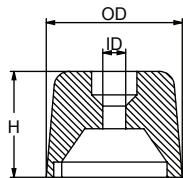
FERRETTI™



SGOF456

+Z 1.3 (0.59kg) OD 2.6" (65mm)
ID 0.38" (9.7mm)
H 2" (50mm)

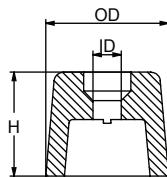
FERRETTI™



SGOF457

+Z 2.56 (1.16kg) OD 3.5" (90mm)
ID 0.38" (9.7mm)
H 2.3" (59mm)

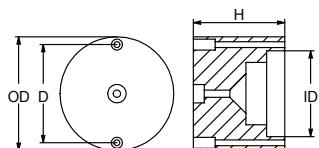
FERRETTI™



SGOF458

+Z 1.32 (0.6kg) OD 2.6" (65mm)
ID 0.28" (7mm)
H 2" (50mm)

FERRETTI™



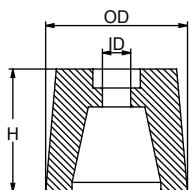
SGOF570

+Z 28.7 (13kg)

OD 6.1" (155mm)

H 4.9" (125mm)

FERRETTI™



SGOF653

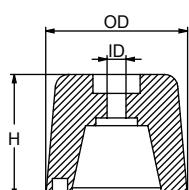
+Z 2.12 (0.96kg)

OD 2.4" (75mm)

ID 0.4" (10.2mm)

H 2.9" (60mm)

FERRETTI™



SGOF654

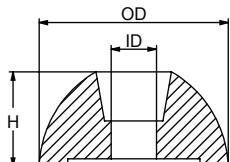
+Z 4.14 (1.88kg)

OD 2.9" (74mm)

ID 0.52" (13.2mm)

H 3.7" (95mm)

FLEXOFOLD™



CMPNFX

+Z 1 (0.455kg)

OD 2.6" (67mm)

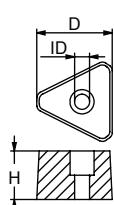
+A 0.4 (0.188kg)

ID 0.33" (8.3mm)

H 1.5" (38mm)

+M 0.25(0.113kg)

GORI™



SGGO536

+Z 0.08 (0.04kg)

D 0.9" (24mm)

ID 0.33" (8.4mm)

H 0.6" (16mm)

SGGO537

+Z 0.11 (0.05kg)

D 1" (25mm)

ID 0.26" (6.5mm)

H 0.6" (16mm)

SGGO538

+Z 0.2 (0.09kg)

D 1.2" (31mm)

ID 0.26" (6.7mm)

H 0.8" (20mm)

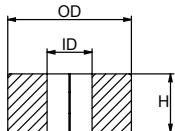
SGGO539

+Z 0.57 (0.26kg)

D 1.6" (40mm)

ID 0.26" (6.5mm)

H 1.3" (33mm)

GORI™**SGGO531**

+Z 2.09 (0.95kg)
OD 3.7"(95mm)
ID 2.4"(60mm)
H 1.3"(34mm)

SGGO532

+Z 2.95 (1.34kg)
OD 3.7"(95mm)
ID 2.5"(63mm)
H 1.8"(47mm)

SGGO533

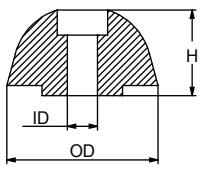
+Z 1.9 (0.86kg)
OD 3.3"(83mm)
ID 2.1"(53mm)
H 1.6"(40mm)

SGGO534

+Z 4.65 (2.11kg)
OD 5"(127mm)
ID 3.5"(90mm)
H 2"(50mm)

SGGO535

+Z 1.28 (0.58kg)
OD 3.8"(97mm)
ID 3.1"(80mm)
H 1.6"(40mm)

J-PROP™**CMJPROP60**

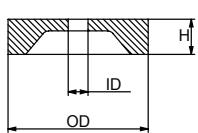
+Z 0.71 (0.32kg)
+A 0.26 (0.12kg)
+M 0.18 (0.08kg)
OD 2.4" (60mm)
ID 0.34" (8.6mm)
H 1" (25mm)

CMJPROP80

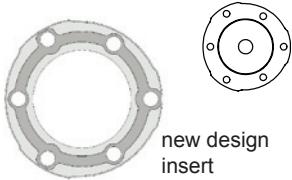
+Z 1.63 (0.74kg)
OD 3.1" (80mm)
ID 0.4" (10.2mm)
H 1.3" (33mm)

CMJPROP90

+Z 2.34 (1.06kg)
OD 3.5" (90mm)
ID 0.4" (10mm)
H 1.5" (37mm)

J-PROP™**CMJP60**

+Z 0.5 (0.22kg)
OD 2.4" (60mm)
ID 0.3" (8.5mm)
H 0.6" (15mm)

MAX PROP™ (comes with insert)**CMMMP63R**

+Z 0.64 (0.29kg)
+A 0.25 (0.11kg)
+M 0.16 (0.07kg)
OD 2.4" (61mm)
H 1.5" (38mm)
Fastener M5 x 20
(thread length)

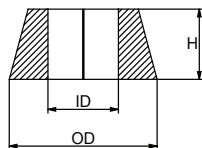
CMMMP70R

+Z 1.14 (0.52kg)
+A 0.45 (0.2kg)
+M 0.29 (0.13kg)
OD 2.625" (68mm)
H 1.75" (43mm)
Fastener M4 x 20
(thread length)

CMMMP83R

+Z 1.65 (0.75kg)
+A 0.65 (0.29kg)
+M 0.41 (0.19kg)
OD 3.125" (79mm)
H 2.25" (57mm)
Fastener M5 x 25
(thread length)

MAX PROP™



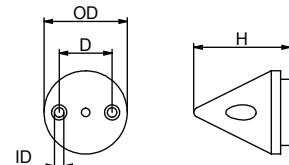
SGMX309

+Z 1.55 (0.71kg)
OD 3.7" (93mm)
ID 1.6" (42mm)
H 1.1" (28mm)

SGMX310

+Z 1.44 (0.65kg)
OD 3.7" (93mm)
ID 1.8" (46mm)
H 1.1" (28mm)

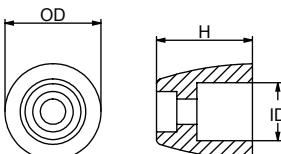
MAX PROP™



SGMX561

+Z 0.46 (0.21kg)
OD 1.7" (44mm)
D 1.1" (28mm)
ID 0.17" (4.4mm)
H 2" (51mm)

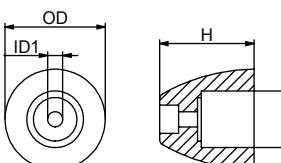
MTF™



SGMT323

+Z 0.26 (0.12kg)
OD 1.5" (38mm)
ID 1" (27mm)
H 1.5" (38mm)

MTF™



SGMT373

+Z 0.74 (0.34kg)
OD 2.1" (53mm)
ID 1.4" (35mm)
ID1 0.26" (6.6mm)
H 2" (50mm)

SGMT374

+Z 1.66 (0.75kg)
OD 2.6" (65mm)
ID 1.8" (45mm)
ID1 0.28" (7mm)
H 3" (77mm)

RADICE REPLACEMENT



CMPNRAD225

+Z 0.26 (0.12kg)
+A 0.11 (0.05kg)
+M 0.07 (0.03kg)

CMPNRAD30

+Z 0.57 (0.26kg)
+A 0.22 (0.1kg)
+M 0.14 (0.06kg)

CMPNRAD35

+Z 0.77 (0.35kg)
+A 0.3 (0.14kg)
+M 0.19 (0.09kg)

CMPNRAD40

+Z 1.08 (0.49kg)
+A 0.42 (0.19kg)
+M 0.27 (0.12kg)

CMPNRAD45

+Z 1.76 (0.8kg)
+A 0.69 (0.31kg)
+M 0.44 (0.2kg)

CMPNRAD50

+Z 2.62 (1.19kg)
+A 1.03 (0.47kg)
+M 0.66 (0.3kg)

CMPNRAD55

+Z 2.71 (1.23kg)
+A 1.06 (0.48kg)
+M 0.68 (0.31kg)

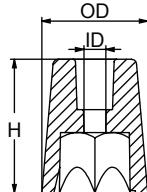
CMPNRAD60

+Z 3.61 (1.64kg)
+A 1.42 (0.64kg)
+M 0.9 (0.41kg)

RADICE™

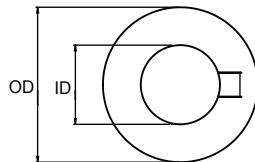


CMPNRAD225C	CMPNRAD30C	CMPNRAD35C	CMPNRAD40C
+Z 0.66 (0.3kg)	+Z 1.17 (0.53kg)	+Z 1.61 (0.73kg)	+Z 2.31 (1.05kg)
+A 0.26 (0.12kg)	+A 0.29 (0.13kg)	+A 0.63 (0.29kg)	+A 0.91 (0.41kg)
+M 0.17 (0.08kg)	+M 0.46 (0.21kg)	+M 0.4 (0.18kg)	+M 0.56 (0.25kg)
OD 1.3" (33mm)	OD 1.6" (42mm)	OD 1.8" (46mm)	OD 2" (52mm)
ID 0.26" (6.7mm)	ID 0.34" (8.7mm)	ID 0.34" (8.7mm)	ID 0.34" (8.7mm)
H 1.6" (40mm)	H 2.1" (53mm)	H 2.4" (62mm)	H 2.6" (67mm)
Thread size	Thread size	Thread size	Thread size
M16x1.5	M20x1.5	M24x2	M24x2
Fastener: M6x20	Fastener: M8x20	Fastener: M8x25	Fastener: M8x20



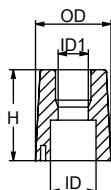
CMPNRAD45C	CMPNRAD50C	CMPNRAD55C	CMPNRAD60C
+Z 3.52 (1.6kg)	+Z 5.55 (2.52kg)	+Z 6.12 (2.78kg)	+Z 7.84 (3.56kg)
+A 1.38 (0.63kg)	+A 2.18 (0.99kg)	+A 2.4 (1.1 kg)	+A 3.07 (1.39kg)
+M 0.88 (0.4kg)	+M 1.39 (0.63kg)	+M 1.53 (0.69kg)	+M 1.96 (0.89kg)
OD 2.4" (61mm)	OD 2.8" (72mm)	OD 2.9" (75mm)	OD 3.3" (83mm)
ID 0.43" (11mm)	ID 0.43" (11mm)	ID 0.43" (11mm)	ID 0.43" (11mm)
H 3" (76mm)	H 3.3" (83mm)	H 3.4" (87mm)	H 3.8" (98mm)
Thread size	Thread size	Thread size	Thread size
M33x2	M36x3	M40x3	M45x3
Fastener: M10x25	Fastener: M10x35	Fastener: M10x35	Fastener: M10x35

RADICE™ WASHER



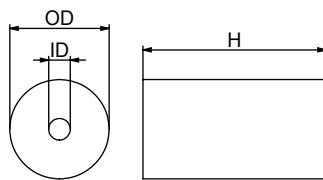
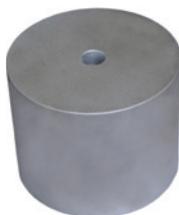
PID	+Z	Shaft	OD	ID
WASHRAD2225C	0.01 (0.005kg)	25	1.5" (38mm)	0.67" (17mm)
WASHRAD30C	0.02 (0.01kg)	30	1.81" (46mm)	0.79" (20mm)
WASHRAD35C	0.02 (0.01kg)	35	2" (51mm)	0.94" (24mm)
WASHRAD40C	0.03 (0.02kg)	40	2.12" (54mm)	0.94" (24mm)
WASHRAD45C	0.04 (0.02kg)	45	2.6" (66mm)	1.3" (33mm)
WASHRAD50C	0.06 (0.03kg)	50	3" (76mm)	1.42" (36mm)
WASHRAD55C	0.07 (0.03kg)	55	3.2" (81mm)	1.57" (40mm)
WASHRAD60C	0.08 (0.04kg)	60	3.54" (90mm)	1.81" (46mm)

REGGIANI™



	Shaft	ID	ID1	OD	H	
SGRG368	20	0.6" (15mm)	0.28" (7.2mm)	1.1" (28mm)	1.2" (30mm)	+Z 0.17 (0.078kg)
SGRG369	25	0.8" (20mm)	0.28" (7.2mm)	1.3" (34mm)	1.3" (34mm)	+Z 0.3 (0.137kg)
SGRG422	30	1" (25mm)	0.27" (6.8mm)	1.7" (44mm)	2" (50mm)	+Z 0.93 (0.422kg)
SGRG423	35	1.1" (28mm)	0.34" (8.6mm)	1.9" (48mm)	2.2" (55mm)	+Z 0.97 (0.442kg)
SGRG424	40	1.3" (34mm)	0.41" (10.5mm)	2.1" (54mm)	2.2" (55mm)	+Z 1.21 (0.547kg)
SGRG425	45	1.6" (40mm)	0.47" (12mm)	2.5" (64mm)	2.5" (63mm)	+Z 2.09 (0.95kg)
SGRG426	50	1.8" (45mm)	0.44" (11.2mm)	2.9" (74mm)	3" (75mm)	+Z 3.39 (1.539kg)
SGRG529	55	1.9" (49mm)	0.75" (19mm)	3.1" (78mm)	3" (75mm)	+Z 3.59 (1.63kg)
SGRG530	60	2.2" (55mm)	0.75" (19mm)	3.5" (88mm)	3.3" (85mm)	+Z 5.29 (2.4kg)

RIVA™



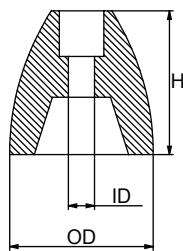
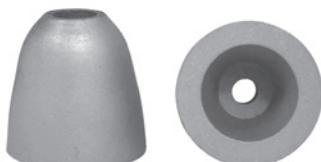
SGOU656 series OPERA

+Z 27.6 (12.5kg)
OD 3.9" (100mm)
H 6.7" (170mm)

SGOU657 series Dolca Vita

+Z 10.5 (4.75kg)
OD 3.5" (90mm)
H 4.7" (120mm)

RIVA™



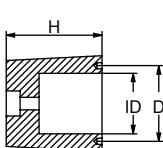
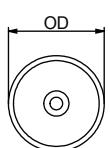
SGOU154

+Z 0.33 (0.15kg)
+A 0.13 (0.06kg)
+M 0.09 (0.04kg)
OD 1.5" (38mm)
ID 0.27" (6.9mm)
H 1.5" (38mm)

SGOU160

+Z 0.88 (0.4kg)
+A 0.31 (0.14kg)
+M 0.22 (0.1kg)
OD 2" (52mm)
ID 0.36" (9.1mm)
H 2.4" (60mm)

RIVA™



SGOU686

+Z 17.64 (8kg)
OD 5.51" (140mm)
ID 3.66" (93mm)
D 4.33" (110mm)
H 4.92" (125mm)

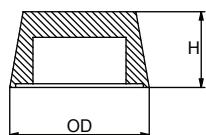
SPLENDIDA 72

RIVA™



PID	+Z	Shaft	Ø Fil.
SGOU251	0.82 (0.37kg)	22-25	16X1.5
SGPE026	0.49 (0.22kg)	22-25	16X2
SGOU252	0.82 (0.37kg)	25	18X1.5
SGRV053	0.82 (0.37kg)	25	18X1.75
SGRI051	0.82 (0.37kg)	25	18X2
SGOU253	0.82 (0.37kg)	30	20X1.5
SGRV054	2.76 (1.25kg)	35	24X2
SGOU254	2.16 (0.98kg)	40	26X2
SGOU170	0.82 (0.37kg)	Pilot hole	22-30
SGOU171	2.2 (1.4kg)	Pilot hole	35-50

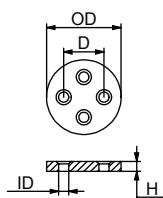
S.LORENZO™



SGOU688

+Z 46.3 (21kg) OD 9.4" (240mm)
H 5.1" (130mm)

SHAFRAN™



SGSH579 +Z 5.03 (2.28kg) OD 5.8"(148mm) D 3.1"(80mm) H 0.8"(20mm)

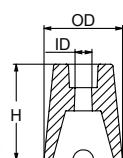
SGSH587 +Z 5.03 (2.28kg) OD 5.8"(148mm) D 4.3"(110mm) H 0.8"(20mm)

SGSH649 +Z 4.52 (2.05kg) OD 5.3"(135mm) D 4.5"(115mm) H 0.8"(20mm)

SGSH650 +Z 5.69 (2.58kg) OD 5.5"(140mm) D 4.3"(110mm) H 1"(25mm)

SGSH651 +Z 4.65 (2.11kg) OD 4.9"(125mm) D 4.1"(105mm) H 1"(25mm)

SOLE™



CMPNSOLE1

+Z 0.24 (0.11kg)

+A 0.09(0.04kg)

+M 0.06(0.03kg)

OD 1.26" (32mm)

ID 0.26" (6.7mm)

H 1.5" (39mm)

CMPNSOLE2

+Z 0.44 (0.2kg)

+A 0.17(0.08kg)

+M 0.11(0.05kg)

OD 1.46" (37mm)

ID 0.34" (8.7mm)

H 1.77" (45mm)

CMPNSOLE3

+Z 0.84 (0.38kg)

+A 0.33(0.15kg)

+M 0.21 (0.1kg)

OD 1.77" (45mm)

ID 0.34" (8.7mm)

H 2.36" (60mm)

CMPNSOLE4

+Z 1.23 (0.56kg)

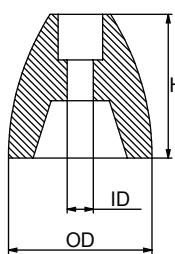
+A 0.48(0.22kg)

+M 0.31 (0.14kg)

OD 2.17" (55mm)

ID 0.34" (8.7mm)

H 2.76" (70mm)



SGOU154FM

+Z 0.31 (0.14kg) OD 1.5" (38mm)

+A 0.13(0.06kg) ID 0.27" (6.9mm)

+M 0.09(0.04kg) H 1.5" (38mm)

SGOU160FM

+Z 0.87(0.395kg) OD 2" (52mm)

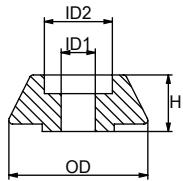
+A 0.35(0.16kg) ID 0.4" (9mm)

+M 0.22 (0.1kg) H 2.4" (60mm)

Pleasurecraft

Prop Nut & Bow Thruster

LEWMAR™



SGLE691

+Z 0.18 (0.08kg)
OD 1.5" (38mm)
ID1 0.33" (8.4mm)
ID2 0.7" (18mm)
H 0.6" (14mm)

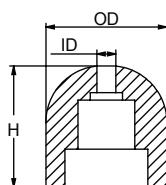
SGLE692

+Z 0.26 (0.12kg)
OD 1.8" (45mm)
ID1 0.41" (10.4mm)
ID2 0.9" (24mm)
H 0.6" (15mm)

SGLE693

+Z 0.55 (0.25kg)
OD 2.4" (60mm)
ID1 0.7" (17mm)
ID2 1.3" (34mm)
H 0.8" (20mm)

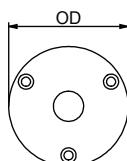
MAX POWER™



SGMP586

+Z 0.22 (0.1kg)
OD 1.3" (32mm)
ID 0.26" (6.5mm)
H 1.3" (32mm)

MAX POWER™



SGMP676

+Z 1.23 (0.56kg)
OD 3.1" (79mm)
ID 0.25" (6.4mm)
H 1.5" (38mm)

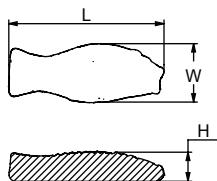
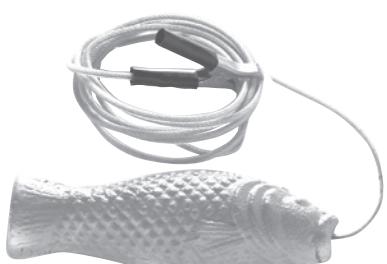
SGMP677

Contact us for more info
OD 4.4" (112mm)
H 1.9" (49mm)

Pleasurecraft

Hull Anodes

GROUPER



CMGROUPER

+Z 5.93 (2.69kg)

+A 2.69 (1.22kg)

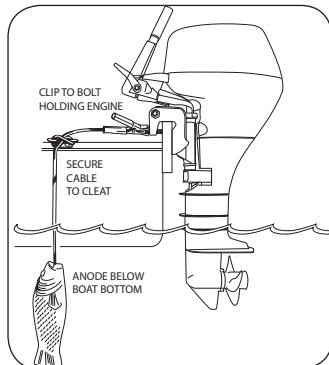
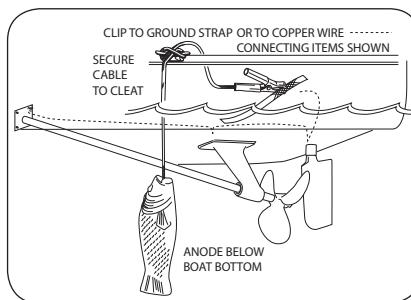
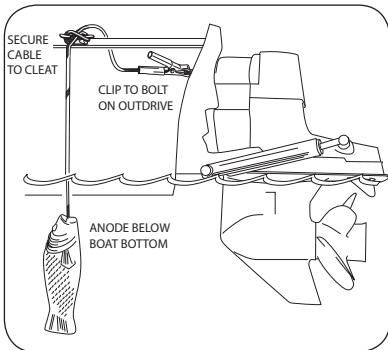
+M 2.09 (0.95kg)

L 8" (205mm)

W 3" (78mm)

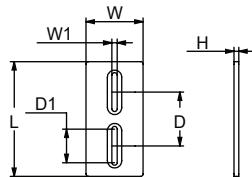
H 1.6" (40mm)

* IMPORTANT* Do not connect to battery



Cable 15ft.

BONDING KIT



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

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

CMDIVERBOND

+Z 12.4(5.62kg)

+A 4 (1.82kg)

+M 3.1(1.41kg)

L 12" (305mm)

W 6" (152mm)

W1 $\frac{1}{2}$ " (13mm)

H $\frac{1}{2}$ " (13mm)

D 5 $\frac{1}{2}$ " (140mm)

D1 3 $\frac{1}{2}$ " (89mm)

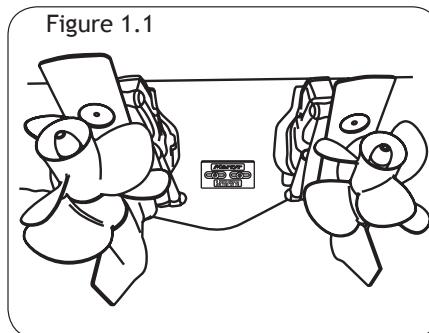
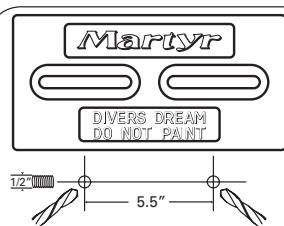
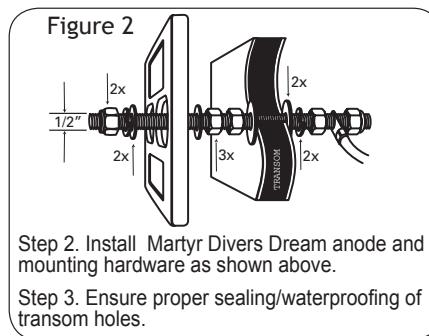


Figure 1.2

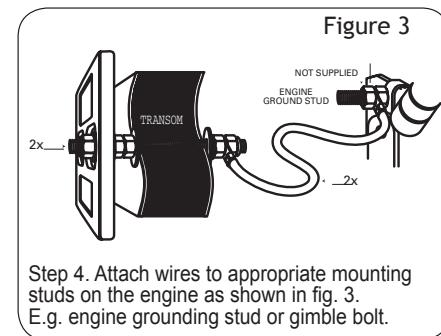


Step 1. Drill two holes into the transom in an appropriate area.
Hole spec: To fit 1/2" bolt.
(Plate can be mounted either vertically or horizontally)

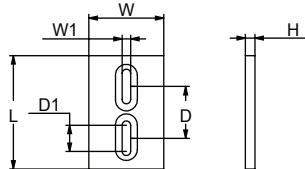


Step 2. Install Martyr Divers Dream anode and mounting hardware as shown above.

Step 3. Ensure proper sealing/waterproofing of transom holes.

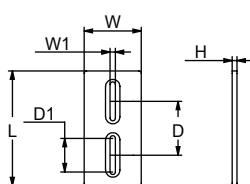


Step 4. Attach wires to appropriate mounting studs on the engine as shown in fig. 3.
E.g. engine grounding stud or gimble bolt.



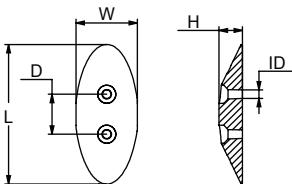
CMDIVERMINI

+Z	2.25 (1.02kg)	L	5.9" (150mm)
+W	3.9" (99mm)	W	3.9" (99mm)
+H	0.5" (13mm)	H	0.5" (13mm)
+D	2.7" (69mm)	D	2.7" (69mm)
+D1	1.36" (35mm)	D1	1.36" (35mm)
+W1	0.44" (11mm)	W1	0.44" (11mm)



CMDIVER

+Z	8 (3.6kg)	L	12" (304mm)
+W	6" (152mm)	W	6" (152mm)
+H	0.5" (13mm)	H	0.5" (13mm)
+D	5.5" (140mm)	D	5.5" (140mm)
+D1	3.5" (89mm)	D1	3.5" (89mm)
+W1	0.5" (13mm)	W1	0.5" (13mm)

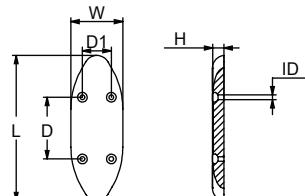


CMM24

+Z	0.53 (0.24kg)	L	4.36" (111mm)
+W	1.92" (49mm)	W	1.92" (49mm)
+H	0.7" (18mm)	H	0.7" (18mm)
+D	1.25" (32mm)	D	1.25" (32mm)

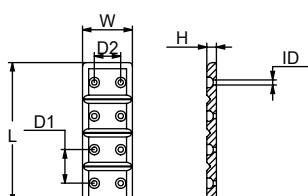
CMM25

+Z	3.92 (1.78kg)	L	9.08" (231mm)
+W	3.25" (83mm)	W	3.25" (83mm)
+H	0.72" (18mm)	H	0.72" (18mm)
+D	3.86" (98mm)	D	3.86" (98mm)
+D1	1.81" (46mm)	D1	1.81" (46mm)
+ID	0.29" (7mm)	ID	0.29" (7mm)



CMM30

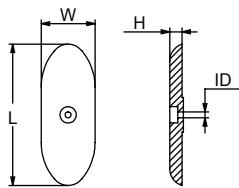
+Z	1.9 (0.86kg)	L	6" (152mm)
+W	2.67" (68mm)	W	2.67" (68mm)
+H	0.56" (14mm)	H	0.56" (14mm)
+ID	0.25" (6mm)	ID	0.25" (6mm)
+D	4.75" (121mm)	D	4.75" (121mm)
+D1	4.625" (117mm)	D1	4.625" (117mm)
+D2	1.58" (40mm)	D2	1.58" (40mm)



CMM40

+Z	2.08 (0.95kg)	L	7.3" (186mm)
+W	2.6" (66mm)	W	2.6" (66mm)
+H	0.5" (13mm)	H	0.5" (13mm)
+D1	1.75" (44mm)	D1	1.75" (44mm)
+D2	1.375" (35mm)	D2	1.375" (35mm)
+ID	0.25" (7mm)	ID	0.25" (7mm)

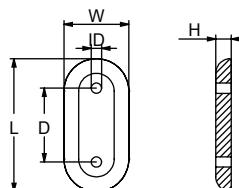




CMMZ404

+Z	3.42 (1.55kg)	L	8.8" (224mm)
+A	1.33 (0.6kg)	W	3.375" (86mm)
+M	0.86 (0.39kg)	H	0.75" (19mm)

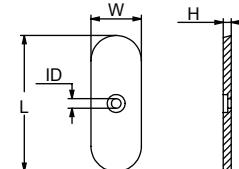
ID 0.375" (10mm)



CMMZC406

+Z	6.75 (3.07kg)	L	9" (229mm)
+A	2.62 (1.19kg)	W	4.4" (112mm)
+M	1.69 (0.77kg)	H	1" (25mm)

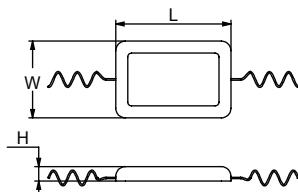
D 5" (127mm)
ID 0.5" (13mm)



CMN1

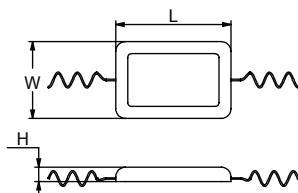
+Z	2.6 (1.19kg)	L	8.5" (216mm)
+A	1.01 (0.46kg)	W	3.16" (80mm)
+M	0.78 (0.35kg)	H	0.5" (13mm)

ID 0.41" (10mm)



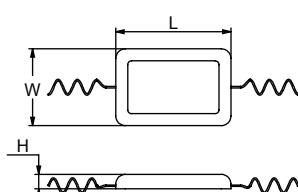
CMPMW

+Z	2 (0.91kg)	L	4.5" (114mm)
+A	0.78 (0.35kg)	W	2.5" (64mm)
+M	0.6 (0.27kg)	H	0.65" (17mm)



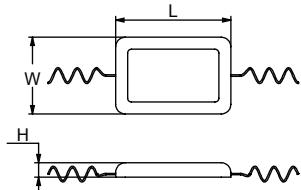
CMPNW

+Z	3.25 (1.48kg)	L	6" (152mm)
+A	1.26 (0.57kg)	W	3" (76mm)
+M	0.97 (0.44kg)	H	0.75" (19mm)



CMPOW

+Z	4.38 (1.99kg)	L	6" (152mm)
+A	1.7 (0.77kg)	W	4" (102mm)
+M	1.15 (0.52kg)	H	0.75" (19mm)

**CMPPW**

+Z 2.08 (0.95kg)

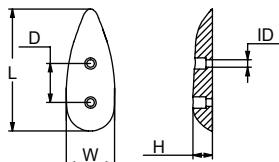
L 9" (229mm)

+A 0.81 (0.37kg)

W 5" (127mm)

+M 0.55 (0.25kg)

H 0.8" (20mm)

**CMT20**

+Z 0.38 (0.17kg)

L 3.4" (86mm)

+A 0.15 (0.07kg)

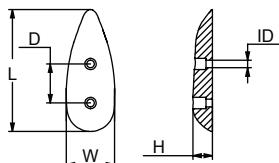
W 1.8" (46mm)

+M 0.1 (0.045kg)

H 0.6" (15mm)

D 1.28" (32.5mm)

ID 0.25" (6mm)

**CMT21**

+Z 1 (0.45kg)

L 5" (129mm)

+A 0.39 (0.18kg)

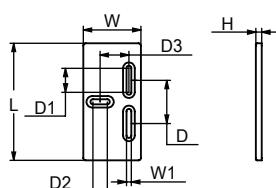
W 2" (51mm)

+M 0.26 (0.12kg)

H 0.8" (21mm)

D 1.625" (41.3mm)

ID 0.31" (8mm)

**CMZ10**

+Z 9.9 (4.5kg)

L 12" (304mm)

+A 4 (1.81kg)

W 6" (152mm)

+M 3.1 (1.41kg)

W1 0.5" (13mm)

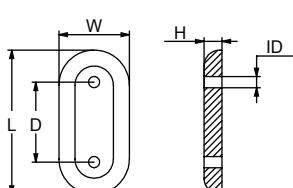
H 0.6" (13mm)

D 4.5" (114mm)

D1 2.5" (64mm)

D2 1.42" (36mm)

D3 3" (76mm)

**CMZ24BS**

+Z 23 (10.44kg)

L 14" (356mm)

+A 8.94 (4.06kg)

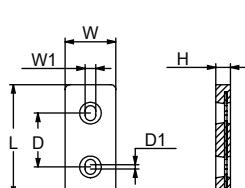
W 6.25" (159mm)

+M 5.75 (2.61kg)

H 1.25" (32mm)

D 5" (127mm)

ID 0.5" (13mm)

**CMZHC2**

+Z 2.19 (0.99kg)

L 5.75" (146mm)

+A 0.85 (0.39kg)

W 2.65" (64mm)

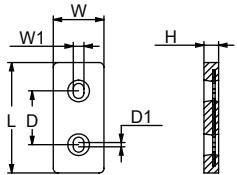
+M 0.55 (0.25kg)

W1 0.5" (13mm)

H 0.75" (19mm)

D 2.78" (71mm)

D1 0.25" (6mm)



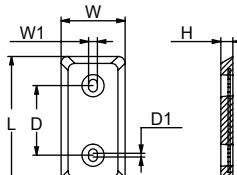
CMZHC3

+Z 1.9 (0.86kg)

+A 0.74 (0.34kg)

+M 0.48 (0.22kg)

L 6.25" (159mm)
W 2.75" (70mm)
W1 0.54" (13.7mm)
H 0.75" (19mm)
D 2.57" (65.3mm)
D1 0.57" (14.5mm)



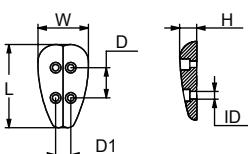
CMZHC5

+Z 4.5 (2.05kg)

+A 1.75 (0.79kg)

+M 1.13 (0.51kg)

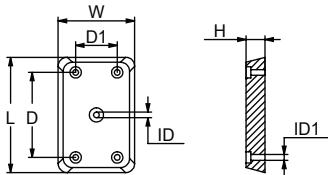
L 8" (203mm)
W 4" (102mm)
W1 0.55" (14mm)
H 0.76" (19mm)
D 4.35" (110mm)
D1 0.23" (5.8mm)



SGAC073

+Z 1.1 (0.5kg)

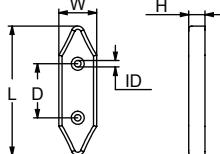
L 4.3" (110mm)
W 2.6" (67mm)
H 0.8" (21mm)
D 1.54" (39mm)
D1 1.1" (27mm)
ID 0.22" (5.5mm)



SGPO029

+Z 2.2 (1kg)

L 4.8" (122mm)
W 3.2" (81mm)
H 0.8" (20mm)
D 2.7" (69mm)
D1 1.38" (35mm)
ID 0.33" (8.5mm)
ID1 0.24" (6mm)

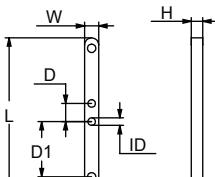


SGCH006

+Z 0.4 (0.18kg)

L 4.7" (120mm)
W 1.4" (35mm)
H 0.4" (10mm)
D 2" (50.8mm)
ID 0.28" (7mm)

Zinc plate for fast hulls

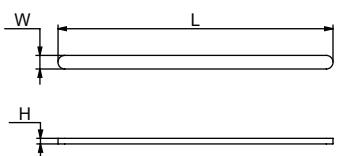


SGZH470

+Z 4.3 (1.95kg)

L 15.5" (395mm)
W 1.5" (37mm)
H 1.2" (30mm)
D 1.9" (48mm)
D1 5.7" (145mm)

Zinc plate for hydrofoil and fast hulls



SGZH058

Contact us for more info

L 35.7" (910mm)

W 1.7" (45mm)

H 0.5" (12mm)

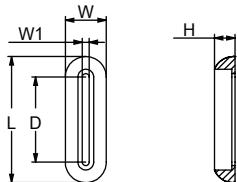
SGZH058N

Contact us for more info

L 35.7" (900mm)

W 1.9" (50mm)

H 0.5" (12mm)

**SGFL501**

+Z 2.91 (1.32kg)

+A 1.46 (0.66kg)

+M 1.06 (0.48kg)

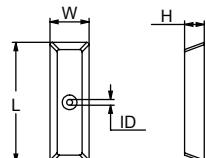
L 7.9" (200mm)

W 1.6" (65mm)

W1 1" (12mm)

H 2.4" (35mm)

D 3.85" (98mm)

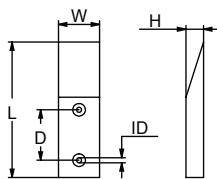
**SGZH479**

+Z 10.1 (4.6kg)

L 9.6" (245mm)

W 3.1" (80mm)

H 1.6" (40mm)

**SGPL505**

+Z 4.08 (1.85kg)

+A 1.6 (0.73kg)

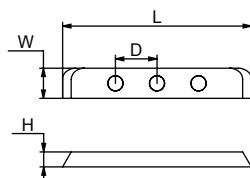
+M 1.03 (0.47kg)

L 8.4" (215mm)

W 2.6" (65mm)

H 1.1" (28mm)

D 3.1" (80mm)

**SGZH494**

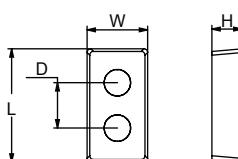
+Z 20.3 (9.2kg)

L 19.6" (500mm)

W 3.1" (80mm)

H 1.6" (40mm)

D 6.3" (160mm)

**SGZH504**

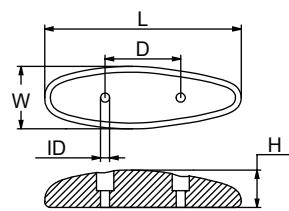
+Z 5.95 (2.7kg)

L 5.9" (150mm)

W 3.1" (80mm)

H 1.6" (40mm)

D 2.4" (60mm)

**SGAO072**

+Z 1.1 (0.5kg)

+A 0.42 (0.19kg)

+M 0.26 (0.12kg)

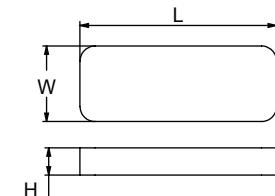
L 5.12" (130mm)

W 1.63" (41.3mm)

H 0.97" (24.7mm)

D 1.97" (50mm)

ID 0.24" (6mm)

**SGFL075**

+Z 1.54 (0.7kg)

+A 0.6 (0.27kg)

+M 0.37 (0.17kg)

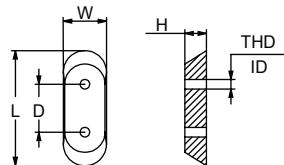
L 5.12" (130mm)

W 1.97" (50mm)

H 0.71" (18mm)

Pleasurecraft

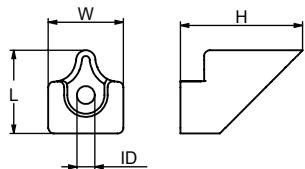
In-board/Outboard/Stern Drive
Anodes

BRP™ (OMC/JOHNSON EVINRUDE)**CM123009**

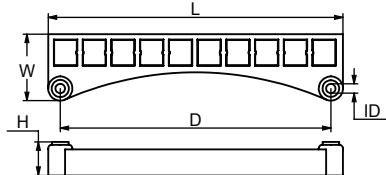
+Z 0.19 (0.09kg) L 2.4" (61mm)
 +A 0.07 (0.03kg) W 0.9" (23mm)
 +M 0.05 (0.02kg) H 0.45" (12mm)
 THD 10-24 UNC D 1" (26mm)

CM327606

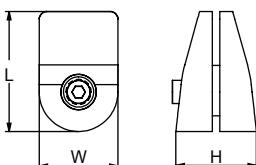
+Z 0.18 (0.08kg) L 2.4" (61mm)
 +A 0.07 (0.03kg) W 0.9" (23mm)
 +M 0.04 (0.02kg) H 0.45" (12mm)
 ID 0.2" (5.1mm) D 1" (26mm)

BRP™ (OMC/JOHNSON EVINRUDE)**CM334451 (Supercedes to 432397)**

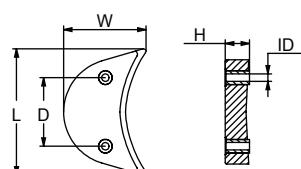
+Z 0.24 (0.11kg) L 1.3" (33mm)
 +A 0.09 (0.04kg) W 1.17" (29.8mm)
 +M 0.05 (0.023kg) H 1.91" (48.5mm)
 ID 0.27" (6.9mm)

BRP™ (OMC/JOHNSON EVINRUDE)**CM367**

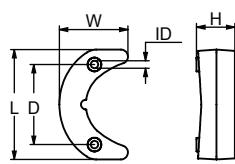
+Z 0.95 (0.43kg) L 7.7" (196mm)
 +A 0.37 (0.17kg) W 1.3" (33mm)
 +M 0.24 (0.11kg) H 0.87" (22mm)
 ID 0.25" (6.4mm)
 D 7.05" (179mm)

BRP™ (OMC/JOHNSON EVINRUDE)**CM389999**

+Z 0.5 (0.23kg) L 1.9" (48mm)
 +A 0.19 (0.09kg) W 1.23" (31mm)
 +M 0.13 (0.06kg) H 1.28" (32.5mm)

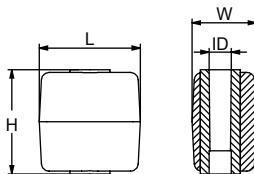
BRP™ (OMC/JOHNSON EVINRUDE)**CM392123**

+Z 1.67 (0.76kg) L 4.7" (120mm)
 +A 0.65 (0.29kg) W 3" (76mm)
 +M 0.42 (0.19kg) H 0.875" (22mm)
 ID 0.27" (6.9mm)
 D 2.5" (63.5mm)

BRP™ (OMC/JOHNSON EVINRUDE)**CM392462**

+Z 1.44 (0.65kg) L 4" (102mm)
 +A 0.56 (0.25kg) W 2.5" (64mm)
 +M 0.36 (0.16kg) H 1.4" (36mm)
 ID 0.27" (6.9mm)
 D 2.9" (74mm)

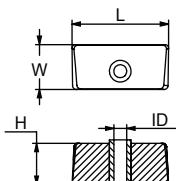
BRP™ (OMC/JOHNSON EVINRUDE)



CM393023 (Supercedes to 436705)

+Z	0.48 (0.22kg)	L	1.6" (40mm)
+A	0.19 (0.09kg)	W	1" (25mm)
+M	0.12 (0.05kg)	H	1.625" (41mm)
		ID	0.32" (8.1mm)

BRP™ (OMC/JOHNSON EVINRUDE)

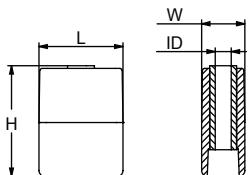


CM397768

+Z	0.68 (0.31kg)	L	2.5" (64mm)
+A	0.26 (0.12kg)	W	1.2" (31mm)
+M	0.17 (0.08kg)	H	1.1" (28mm)

ID 0.32" (8.1mm)

BRP™ (OMC/JOHNSON EVINRUDE)

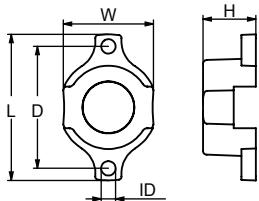


CM398331

+Z	0.73 (0.33kg)	L	1.75" (45mm)
+A	0.28 (0.13kg)	W	0.9" (23mm)
+M	0.18 (0.08kg)	H	2.25" (57mm)

ID 0.32" (8.1mm)

BRP™ (OMC/JOHNSON EVINRUDE)

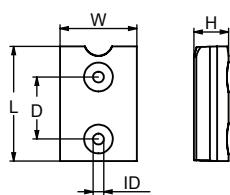


CM398873

+Z	0.33 (0.15kg)	L	3" (76mm)
+A	0.13 (0.06kg)	W	1.9" (48mm)
+M	0.08 (0.04kg)	H	1.1"(27.9mm)

D 2.54" (64.5mm)
ID 0.3" (7.6mm)

BRP™ (OMC/JOHNSON EVINRUDE)

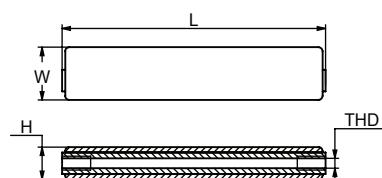


CM431708

+Z	0.6 (0.27kg)	L	3" (75.8mm)
+A	0.23 (0.10kg)	W	2" (50.8mm)
+M	0.15 (0.07kg)	H	0.9" (23mm)

D 1.6" (41mm)
ID 0.27" (mm)

BRP™ (OMC/JOHNSON EVINRUDE)

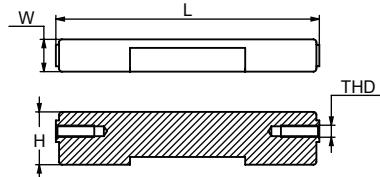


CM433580

+Z	1.59 (0.72kg)	L	6.86" (174mm)
+A	0.61 (0.28kg)	W	1.4" (36mm)
+M	0.4 (0.18kg)	H	0.8" (20mm)

THD 5/16-18 UNC

BRP™ (OMC/JOHNSON EVINRUDE)

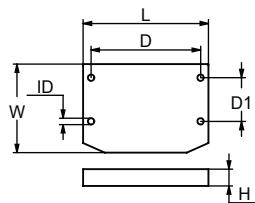


CM5007089 (CM433580Z)

+Z	1.83 (0.83kg)	L	6.86" (174mm)
+A	0.71 (0.32kg)	W	1.4" (35.6mm)
+M	0.46 (0.21kg)	H	0.8" (20mm)

THD $\frac{5}{16}$ -18 UNC

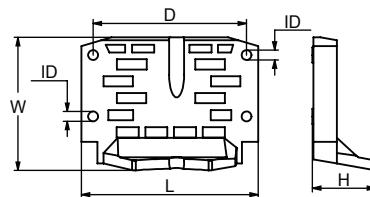
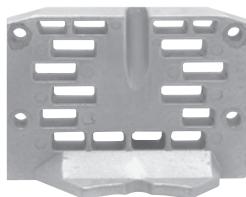
BRP™ (OMC/JOHNSON EVINRUDE)



CM980756

+Z	2.11 (0.96kg)	L	4.6" (115mm)
+A	0.82 (0.37kg)	W	3.2" (80mm)
+M	0.53 (0.24kg)	H	0.6" (16mm)
		D	4" (101.6mm)
		D1	1.6" (40.6mm)
		ID	0.28" (7.1mm)

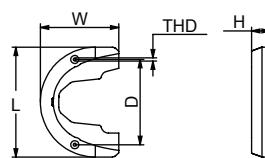
BRP™ (OMC/JOHNSON EVINRUDE)



CM982277 (982438)

+Z	1.87 (0.85kg)	L	4.6" (117mm)
+A	0.72 (0.33kg)	W	3.5" (88mm)
+M	0.47 (0.21kg)	H	0.6" (16mm)
		D	4" (101.6mm)
		D1	1.6" (40.6mm)
		ID	0.28" (7.1mm)

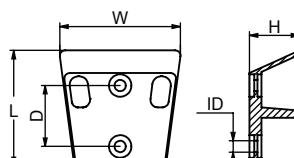
BRP™ (OMC/JOHNSON EVINRUDE)



CM983494

+Z	1.81 (0.82kg)	L	5.72" (146mm)
+A	0.7 (0.32kg)	W	4.09" (104mm)
+M	0.45 (0.20kg)	H	0.98" (25mm)
		D	4.44" (112.8mm)
		THD	$\frac{1}{4}$ -20 UNC

BRP™ (OMC/JOHNSON EVINRUDE)

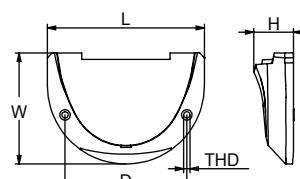


CM983952

+Z	2.44 (1.1kg)	L	4.2" (107mm)
+A	0.95 (0.43kg)	W	4.4" (112mm)
+M	0.67 (0.3kg)	H	1.8" (46.5mm)

D 2.25" (57.2mm)
ID 0.4" (10.5mm)

BRP™ (OMC/JOHNSON EVINRUDE)

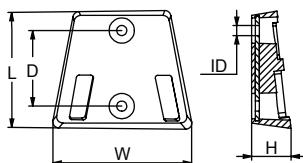


CM984513

+Z	2.14 (0.97kg)	L	5.7" (145mm)
+A	0.83 (0.38kg)	W	4.1" (104mm)
+M	0.59 (0.27kg)	H	1.6" (40.6mm)

D 4.44" (112.8mm)
THD $\frac{1}{4}$ -20 UNC

BRP™ (OMC/JOHNSON EVINRUDE)



CM984547

+Z 2 (0.91kg)

+A 0.78 (0.35kg)

+M 0.50 (0.23kg)

L 3.8" (96.5mm)

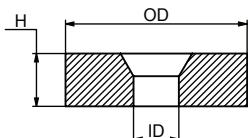
W 4.5" (115mm)

H 1.24" (31.5mm)

D 2.25" (57.2mm)

ID 0.38" (9.7mm)

BRP™ (OMC/JOHNSON EVINRUDE)



CM5031705

+Z 0.04 (0.02kg)

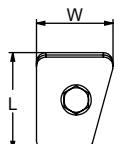
OUTBOARD 8 HP

OD 0.9" (24mm)

H 0.3" (7mm)

ID 0.26" (6.5mm)

BRP™ (OMC/JOHNSON EVINRUDE)



CM434029

+Z 0.42 (0.19kg)

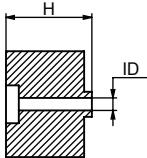
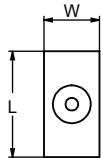
DOUBLE PLATE 20-25 HP

L 2" (50mm)

W 1.7" (42mm)

H 0.94" (24mm)

BRP™ (OMC/JOHNSON EVINRUDE)



CM433458

+Z 0.44 (0.2kg)

PLATE 60-280HP

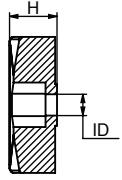
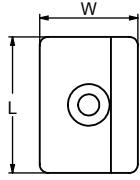
L 2" (42mm)

W 1.6" (22mm)

H 1.3" (31mm)

ID 0.31" (8mm)

BRP™ (OMC/JOHNSON EVINRUDE)



CM338635

+Z 0.12 (0.055kg)

DOUBLE PLATE OUTBOARD 9,9-15CV

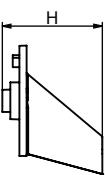
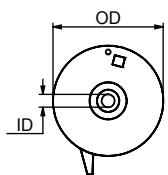
L 1.4" (36mm)

W 1" (26mm)

H 0.5" (12.7mm)

ID 0.22" (5.6mm)

BRP™ (OMC/JOHNSON EVINRUDE)



CM5032929

+Z 0.54 (0.25kg)

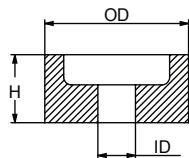
EVINRUDE 70 HP

OD 2.9" (73mm)

H 2.6" (66mm)

ID 0.33" (8.5mm)

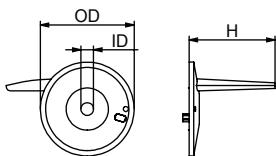
BRP™ (OMC/JOHNSON EVINRUDE)



CM5532187J00

+Z 0.026 (0.012kg) OD 0.83" (21mm)
 +A 0.011 (0.005kg) H 0.39" (10mm)
 +M 0.007 (0.003kg) ID 0.24" (6mm)

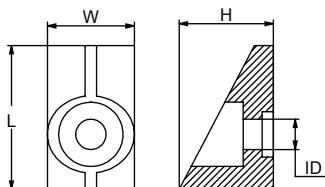
BRP™ (OMC/JOHNSON EVINRUDE)



CM5512587E01

70 HP 4T
 +Z 0.35 (0.16kg) OD 2.4" (62mm)
 ID 0.33" (8.5mm)
 H 2.24" (56.8mm)

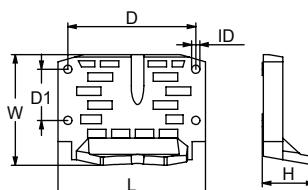
BRP™ (OMC/JOHNSON EVINRUDE)



CM5532098600

5 HP
 +Z 0.1 (0.22lb) L 0.8" (38mm)
 W 1.57" (40mm)
 H 0.9' (23mm)
 ID 0.25" (6.4mm)

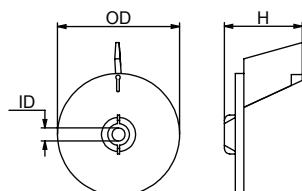
BRP™ (OMC/JOHNSON EVINRUDE)



CM982438

OMC 100-245 HP
 +Z 2.67 (1.21kg) L 6.9" (176mm)
 W 3.2" (81mm)
 H 1.6" (40mm)
 D 4" (101.6mm)
 D1 1.6" (40.6mm)
 ID 0.28" (7.2mm)

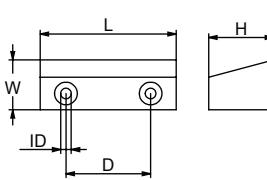
BRP™ (OMC/JOHNSON EVINRUDE)



CM338742

REVOLVING FIN FOR IN-OUTBOARD
 +Z 0.88 (0.4kg) OD 4.4" (113mm)
 H 2.8" (72mm)
 ID 0.43" (11mm)

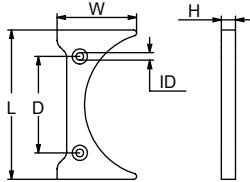
BRP™ (OMC/JOHNSON EVINRUDE)



CM986158

OMC COBRA
 +Z 1.33 (0.6kg) L 3.5" (90mm)
 W 1.77" (45mm)
 H 1.7" (43mm)
 D 2" (50.8mm)
 ID 0.37" (9.5mm)

BRP™ (OMC/JOHNSON EVINRUDE)



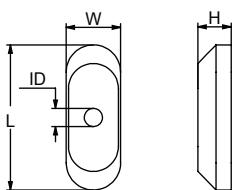
CM987067

+Z 1.59 (0.72kg)

OMC5700

L 6.2" (158mm)
W 3.3" (84mm)
H 0.6" (15mm)
D 4" (101.6mm)
ID 0.3" (8mm)

BRP™ (OMC/JOHNSON EVINRUDE)



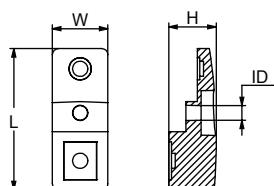
CM5033167

+Z 0.114 (0.052kg)

PLATE 9.9-15 HP

L 1.9" (48mm)
W 0.7" (18mm)
H 0.4" (11mm)
ID 0.2" (6mm)

BRP™ (OMC/JOHNSON EVINRUDE)



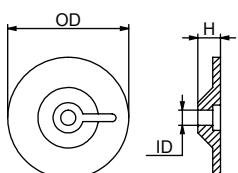
CM5032930

+Z 0.19 (0.086kg)

PLATE 90-115 HP

L 2.2" (55mm)
W 0.9" (22mm)
H 0.7" (19mm)
ID 0.2" (6mm)

BRP™ (OMC/JOHNSON EVINRUDE)



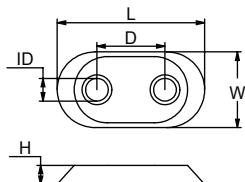
CM5532193900

+Z 0.13 (0.06kg)

PLATE 9.9-15 HP

OD 1.9' (48mm)
H 0.4" (9mm)
ID 0.26" (6.6mm)

BRP™ (OMC/JOHNSON EVINRUDE)



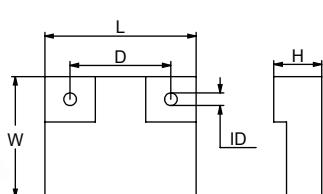
CM5031538

+Z 0.17 (0.078kg)

PLATE 2-8 HP

L 3.1" (78mm)
W 0.79" (20mm)
H 0.4" (10mm)
D 1.6" (40mm)
ID 0.26" (6.6mm)

BMW™

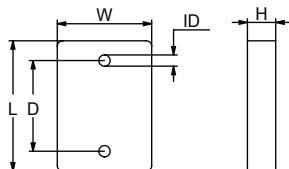


SGBW175

+Z 0.71 (0.32kg)

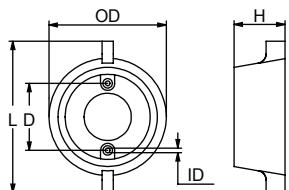
BMW100 MARK1

L 2.4" (60mm)
W 1.9" (48mm)
H 1" (26mm)
D 1.6" (40mm)
ID 0.33" (8.4mm)

BMW™**SGBW499**

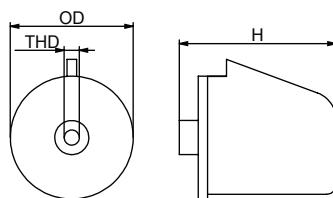
+Z 0.74 (0.34kg)

L 2.7" (69mm)
W 2" (50mm)
H 0.6" (15mm)
D 1.9" (48mm)
ID 0.2" (6mm)

BMW™**SGBW172**

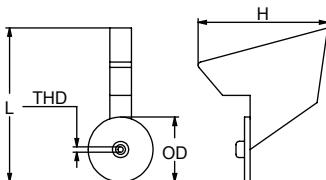
+Z 1.83 (0.83kg)

COLLAR MARK 1
L 6.5" (165mm)
H 2.1" (54mm)
D 3.15" (80mm)
OD 4.9" (124mm)
ID 0.33" (8.4mm)

BMW™**SGBW173**

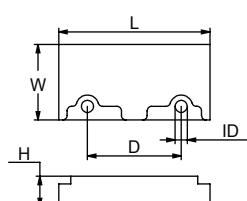
+Z 0.73 (0.33kg)

OD 2.6" (65mm)
H 3.3" (83mm)
THD 3/8-16 UNC

BMW™**SGBW043**

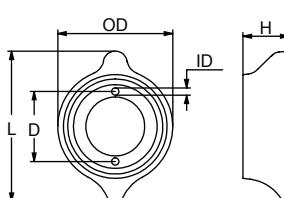
+Z 1.5 (0.68kg)

L 6.5" (165mm)
H 4.7" (120mm)
OD 2.56" (65mm)
THD 3/8-16 UNC

BMW™**SGBW044**

+Z 2.07 (0.94kg)

L 4.69" (119mm)
W 2.32" (59mm)
H 1.18" (30mm)
D 2.44" (62mm)
ID 0.33" (8.5mm)

BUKH™**CMB00E5829**

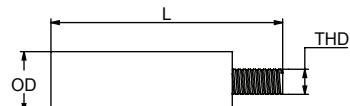
+Z 1.82 (0.83kg)

+A 0.71 (0.32kg)

+M 0.5 (0.23kg)

OD 4.2" (107mm)
L 5.5" (140mm)
H 1.7" (43mm)
D 2.66" (67.6mm)
ID 0.27" (6.86mm)

BUKH™



CMB00E0450

+Z 0.06 (0.03kg)

+A 0.02 (0.01kg)

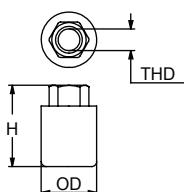
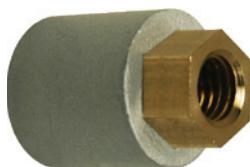
+M 0.016 (.007kg)

OD 0.5" (12mm)

L 1.8" (46mm)

THD M5

CASTOLDI™



SGCT038

+Z 0.14 (0.06kg)

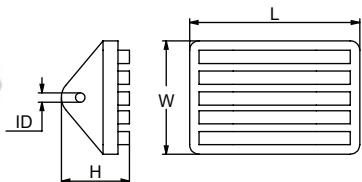
ROAD BAR W/ THREADED CORE

OD 0.9" (22mm)

H 1.2" (30mm)

THD M10

CASTOLDI™



SGCT270

+Z 1.8 (0.815kg)

L 3.5" (90mm)

W 2.4" (60mm)

H 2.1" (53mm)

ID 0.49" (12.5mm)

SGCT037

+Z 0.94 (0.43kg)

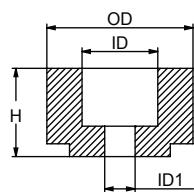
L 4.7" (120mm)

W 2.7" (70mm)

H 2.9" (74mm)

ID 0.56" (14.2mm)

CASTOLDI™



SGCT046

+Z 1.12 (0.51kg)

OD 2.28" (58mm)

H 1.38" (35mm)

ID 0.98" (25mm)

ID1 0.36" (9.2mm)

SGCT102

+Z 3.3 (1.5kg)

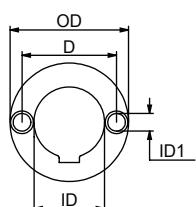
OD 3.15" (80mm)

H 1.97" (50mm)

ID 1.18" (30mm)

ID1 0.4" (10.2mm)

DUFOUR™



SGDU007

+Z 0.2 (0.09kg)

OD 1.8" (47mm)

H 0.5" (12mm)

D 1.39" (35.3mm)

ID 1.06" (27mm)

ID1 0.26" (6.5mm)

SGDU008

+Z 0.31 (0.14kg)

OD 2" (52mm)

H 0.6" (15mm)

D 1.52" (38.6mm)

ID 1.1" (28mm)

ID1 0.26" (6.5mm)

SGDU009

+Z 0.4 (0.18kg)

OD 2.2" (55mm)

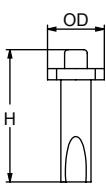
H 0.7" (18mm)

D 1.69" (42.8mm)

ID 1.3" (33mm)

ID1 0.26" (6.5mm)

HIDEA™



Also apply to Yamaha

CM6J81132500

+Z 0.033 (0.015kg)

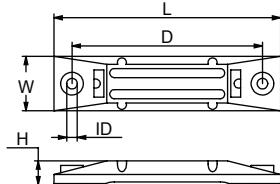
+A 0.01 (0.0043kg)

+M 0.007 (0.003kg)

Also apply to Painier

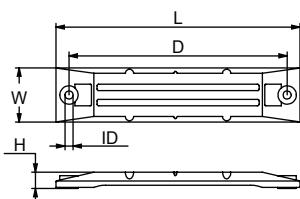
OD 0.63 (16mm)

H 1.61" (41mm)

HONDA™**CM06411ZV5**

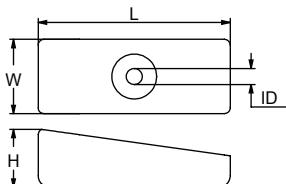
- +Z 0.79 (0.36kg)
+A 0.31 (0.14kg)
+M 0.2 (0.091kg)

L 5.9" (150mm)
W 1.4" (36mm)
H 0.6" (16mm)
D 4.9" (126mm)
ID 0.3" (7mm)

HONDA™**CM06411ZW1**

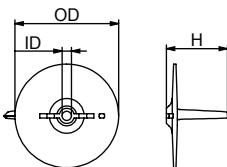
- +Z 1.83 (0.83kg)
+A 0.72 (0.33kg)
+M 0.47 (0.21kg)

L 8.8" (226mm)
W 2" (50mm)
H 0.6" (16mm)
D 7.9" (202mm)
ID 0.3" (7mm)

HONDA™**CM41109ZW1003 (CM826134)**

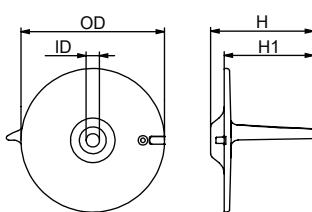
- +Z 0.56 (0.25kg)
+A 0.22 (0.1kg)
+M 0.15 (0.07kg)

L 3" (76.2mm)
W 1.16" (29.5mm)
H 0.9" (23mm)
ID 0.25" (6.4mm)

HONDA™**CM6644537101**

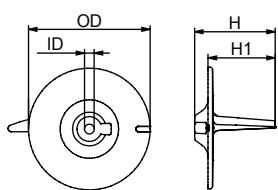
- +Z 0.59 (0.27kg)
+A 0.23 (0.1kg)
+M 0.16 (0.08kg)

OD 3.8" (96mm)
H 2.2" (56.5mm)
ID 0.33" (8.5mm)

HONDA™**CM41107ZV500**

- +Z 0.63 (0.29kg)
+A 0.25 (0.11kg)
+M 0.17 (0.09kg)

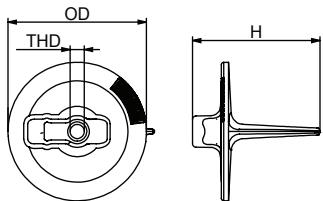
OD 3.74" (95mm)
H 2.68" (68.1mm)
H1 2.33" (59.2mm)
ID 0.33" (8.3mm)

HONDA™**CM41107ZW1B01**

- +Z 0.96 (0.44kg)
+A 0.44 (0.20kg)
+M 0.28 (0.13kg)

OD 4.4" (112.4mm)
H 2.9" (74.7mm)
H1 2.4" (62.2mm)
ID 0.33" (8.5mm)

HONDA™



CM411072ZW1003 (CM31640)

+Z 1 (0.45kg)

OD 3.6" (92mm)

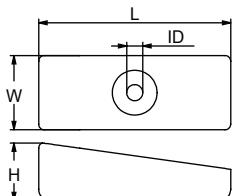
+A 0.46 (0.21kg)

H 3.3" (84mm)

+M 0.3 (0.14kg)

THD $\frac{7}{16}$ - 14 UNC

HONDA™



CM41109ZW1B00

+Z 0.49 (0.22kg)

L 2.8" (71mm)

+A 0.25 (0.11kg)

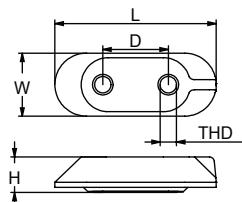
W 1.4" (36mm)

+M 0.17 (0.09kg)

H 0.7" (17.1mm)

ID 0.24" (6mm)

HONDA™



CM41106935812

+Z 0.22 (0.1kg)

L 2.5" (64mm)

+A 0.09 (0.04kg)

W 1" (25mm)

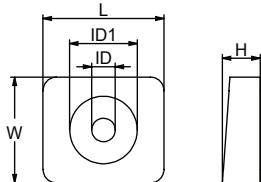
+M 0.05 (0.02kg)

H 0.5" (13.5mm)

D 1" (26mm)

THD M6

HONDA™



CM41106ZW9000

+Z 2.19 (0.99kg)

8-10-15 HP

L 1.3" (32mm)

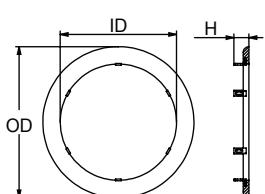
W 1.1" (28mm)

H 0.4" (10mm)

ID 0.2" (6mm)

ID1 0.7" (18mm)

KAMEWA™



SGKA614

+Z 16 (7.3kg)

OD 13.3" (340mm)

ID 9.8" (250mm)

SGKA615

+Z 2.86 (1.3kg)

OD 6.3" (160mm)

ID 4.2" (106mm)

H 1.97" (50mm)

Slot width 11mm

SGKA616

+Z 6.44 (2.9kg)

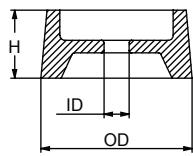
OD 8.9" (226mm)

ID 4.9" (126mm)

H 1.85" (47mm)

Slot width 11mm

KAMEWA™



SGKA617

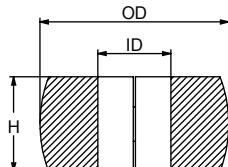
+Z 0.91 (0.413kg)

OD 2.75" (70mm)

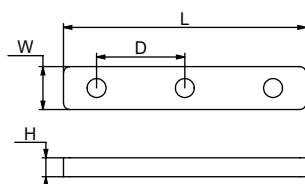
ID 0.51" (13mm)

H 1.1" (27mm)

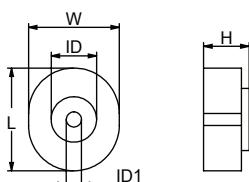
KAMEWA™



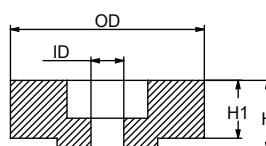
KAMEWA™



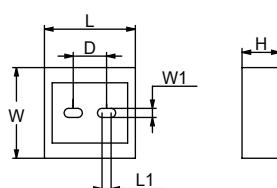
KAMEWA™



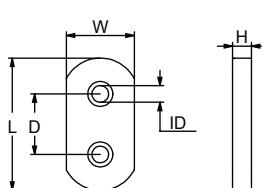
KAMEWA™



KAMEWA™



KAMEWA™



SGKA618

+Z 1.67 (0.76kg)

OD 3.1" (78mm)

ID 2" (50mm)

H 1.8" (45mm)

SGKA619

+Z 2.18 (0.99kg)

OD 3.5" (90mm)

ID 2.4" (60mm)

H 1.9" (48mm)

SGKA620

+Z 0.18 (0.08kg)

L 15" (385mm)

W 2.7" (68mm)

D 5.5" (140mm)

H 1.2" (30mm)

SGKA621

Contact us for more info

L 23.6" (600mm)

W 3.9" (100mm)

D 8.6" (220mm)

H 1.6" (40mm)

SGKA622

+Z 2.1 (0.48kg)

L 2.7" (68mm)

W 2.4" (60mm)

H 1.1" (27mm)

H1 1" (25mm)

ID 1.3" (32mm)

ID1 0.48" (12.4mm)

SGKA623

+Z 1.64 (0.74kg)

OD 3" (77mm)

ID 0.48" (12mm)

H 0.98" (25mm)

H1 0.9" (23mm)

SGKA624

+Z 1 (0.46kg)

L 2.4" (60mm)

L1 0.47" (12mm)

W 2.4" (60mm)

W1 0.28" (7.1mm)

D 0.71" (18mm)

H 1" (25mm)

SGPL573

+Z 4.85 (2.2kg)

L 6.9" (175mm)

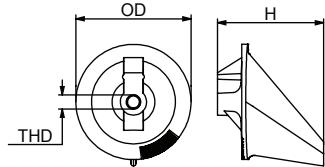
W 3.54" (90mm)

H 1" (25mm)

D 3.15" (80mm)

ID 0.51" (13mm)

MERCURY™ MERCRAISER™

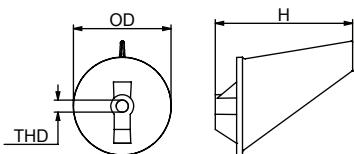


CM31640

- +Z 1.21 (0.55kg)
- +A 0.46 (0.21kg)
- +M 0.3 (0.14kg)

OD 3.6" (92mm)
H 3.3" (84mm)
THD $\frac{7}{16}$ - 14 UNC

MERCURY™ MERCRAISER™

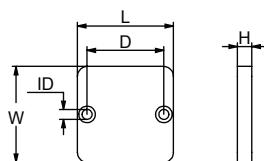


CM34127

- +Z 1.3 (0.59kg)
- +A 0.49 (0.22kg)
- +M 0.32 (0.15kg)

OD 3.5" (89mm)
H 5" (127mm)
THD $\frac{7}{16}$ - 14 UNC

MERCURY™ MERCRAISER™

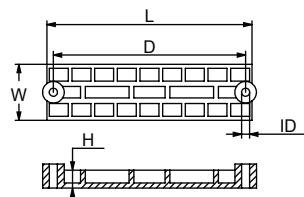


CM34762

- +Z 0.53 (0.24kg)
- +A 0.2 (0.09kg)
- +M 0.13 (0.06kg)

L 2.5" (64mm)
W 2.5" (64mm)
H 0.375" (10mm)
D 2" (51mm)
ID 0.25" (6.4mm)

MERCURY™ MERCRAISER™

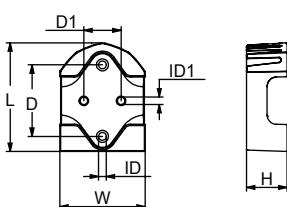


CM43396

- +Z 1.45 (0.66kg)
- +A 0.55 (0.25kg)
- +M 0.34 (0.15kg)

L 7.56" (192mm)
W 2" (52mm)
H 0.6" (16.5mm)
D 7" (177.8mm)
ID 0.29" (7.4mm)

MERCURY™ MERCRAISER™

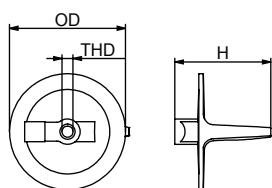


CM43994

- +Z 2.09 (0.95kg)
- +A 0.79 (0.36kg)
- +M 0.55 (0.25kg)

L 4" (101mm)
W 3.1" (79mm)
H 1.5" (38mm)
D 2.6" (66mm)
D1 1.36" (34.5mm)
ID 0.28" (7mm)
ID1 0.26" (6.7mm)

MERCURY™ MERCRAISER™

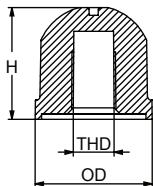


CM46399

- +Z 0.80 (0.36kg)
- +A 0.3 (0.14kg)
- +M 0.2 (0.09kg)

OD 3.6" (92mm)
H 3.3" (84mm)
THD $\frac{7}{16}$ - 14 UNC

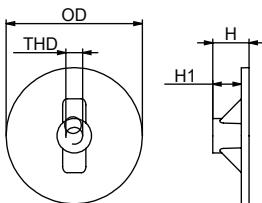
MERCURY™ MERCRAIDER™



CM55989

+Z	0.24 (0.11kg)	OD 1.2" (31mm)
+A	0.09 (0.04kg)	H 1.2" (29.6mm)
+M	0.06 (0.03kg)	THD 1/2 - 13 UNC

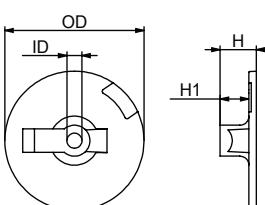
MERCURY™ MERCRAIDER™



CM76214

+Z	0.62 (0.28kg)	OD 3.54" (90mm)
+A	0.24 (0.11kg)	H 0.94" (24mm)
+M	0.15 (0.07kg)	H1 0.75" (19mm) THD 7/16 - 14 UNC

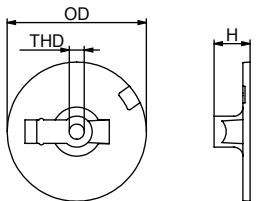
MERCURY™ MERCRAIDER™



CM762144

+Z	0.68 (0.31kg)	OD 3.625" (92mm)
+A	0.29 (0.13kg)	ID 0.94" (23.8mm)
+M	0.18 (0.08kg)	H 0.75" (19mm) H1 0.5" (12.7mm)

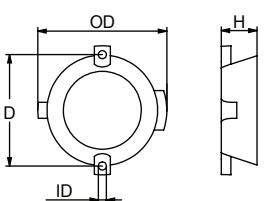
MERCURY™ MERCRAIDER™



CM762145

+Z	0.73 (0.33kg)	OD 3.6" (92mm)
+A	0.29 (0.13kg)	H 0.9" (24mm)
+M	0.17 (0.08kg)	THD 7/16 - 14 UNC

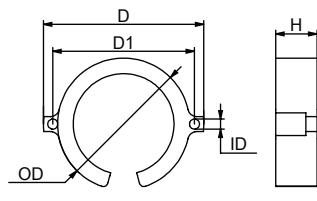
MERCURY™ MERCRAIDER™



CM806105

+Z	0.5 (0.23kg)	OD 3.3" (84.8mm)
+A	0.2 (0.09kg)	ID 0.2" (5mm)
+M	0.13 (0.06kg)	H 0.9" (23.6mm) D 2.9" (73.7mm)

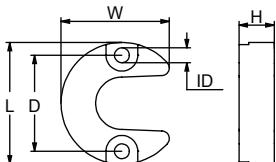
MERCURY™ MERCRAIDER™



CM806188

+Z	0.33 (0.15kg)	OD 2.75" (70mm)
+A	0.13 (0.06kg)	ID 0.2" (5mm)
+M	0.1 (0.38kg)	D 3.3" (84mm) D1 2.91" (73.9mm) H 0.9" (23mm)

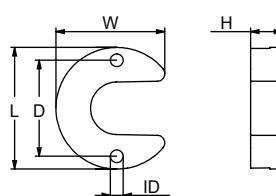
MERCURY™ MERCRAFTER™



CM806189

+Z	0.22 (0.1kg)	L	1.9" (49.2mm)
+W	1.7" (43.9mm)	W	1.7" (43.9mm)
+H	0.5" (13.97mm)	H	0.5" (13.97mm)
+D	1.5" (38.1mm)	D	1.5" (38.1mm)
+ID	0.2" (5mm)	ID	0.2" (5mm)

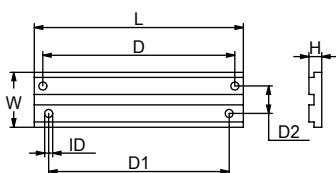
MERCURY™ MERCRAFTER™



CM806190

+Z	0.77 (0.35kg)	L	2" (51mm)
+W	1.8" (46mm)	W	1.8" (46mm)
+H	0.2" (5mm)	H	0.2" (5mm)
+D	1.5" (38mm)	D	1.5" (38mm)
+ID	2" (50.8mm)	ID	2" (50.8mm)

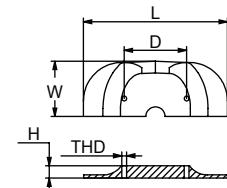
MERCURY™ MERCRAFTER™



CM818298

+Z	1.45 (0.66kg)	L	7.62" (194mm)
+W	2" (51mm)	W	2" (51mm)
+H	0.47" (12mm)	H	0.47" (12mm)
+D	7" (178mm)	D	7" (178mm)
+D1	6.58" (167mm)	D1	6.58" (167mm)
+D2	1" (25.4mm)	D2	1" (25.4mm)
+ID	0.27" (6.9mm)	ID	0.27" (6.9mm)

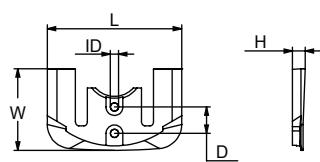
MERCURY™ MERCRAFTER™



CM821629C

+Z	1.72 (0.78kg)	L	7.5" (191mm)
+W	2.875" (73mm)	W	2.875" (73mm)
+H	0.635" (16mm)	H	0.635" (16mm)
+D	3.25" (83mm)	D	3.25" (83mm)
THD	1/4 - 20 UNC	THD	1/4 - 20 UNC

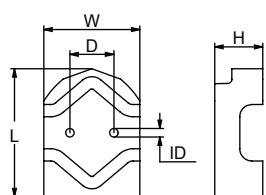
MERCURY™ MERCRAFTER™



CM821630C2

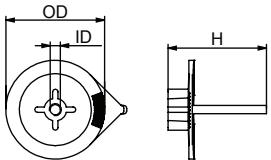
+Z	2.2 (1kg)	L	7" (178mm)
+W	4.25" (108mm)	W	4.25" (108mm)
+H	0.56" (14mm)	H	0.56" (14mm)
+D	1.375" (34.9mm)	D	1.375" (34.9mm)
ID	0.44" (11.2mm)	ID	0.44" (11.2mm)

MERCURY™ MERCRAFTER™

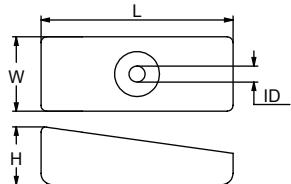


CM821631 (CM43994)

+Z	1.96 (0.89kg)	L	4" (102mm)
+W	3" (76mm)	W	3" (76mm)
+H	1.5" (38mm)	H	1.5" (38mm)
+D	1.375" (34.9mm)	D	1.375" (34.9mm)
ID	0.27" (6.9mm)	ID	0.27" (6.9mm)

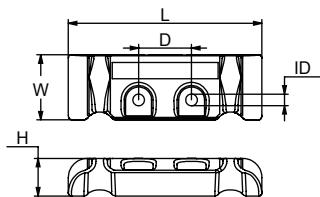
MERCURY™ MERCRAISER™**CM822157C2**

+Z	1.06 (0.48kg)	OD 3.65" (92.7mm)
+A	0.42(0.19kg)	ID 0.36" (9.1mm)
+M	0.28(0.13kg)	H 3.2" (82mm)

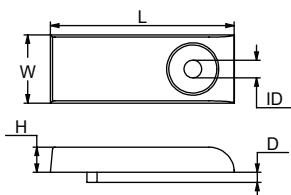
MERCURY™ MERCRAISER™**CM826134**

+Z	0.56 (0.25kg)	L 3" (76.2mm)
+A	0.22 (0.1kg)	W 1.16" (29.5mm)
+M	0.15(0.07kg)	H 0.9" (23mm)

ID 0.25" (6.4mm)

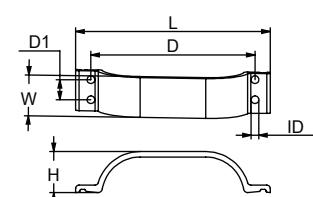
MERCURY™ MERCRAISER™**CM880653**
FITS VERADO 6

+Z	1.10 (0.50kg)	L 5" (128mm)
+A	0.44(0.20kg)	W 1.7" (43mm)
+M	0.28(0.13kg)	H 1" (25mm)
		D 1.4" (35mm)
		ID 0.27" (6.8mm)

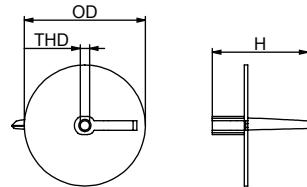
MERCURY™ MERCRAISER™**CM892227(CM893404)**
FITS VERADO 6

+Z	0.23 (0.10kg)	L 2.9" (74mm)
+A	0.09(0.04kg)	W 1.1" (27mm)
+M	0.06(0.03kg)	H 0.4" (10mm)
		D 0.2" (4mm)

ID 0.26" (6.7mm)

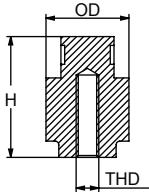
MERCURY™ MERCRAISER™**CM89949**

+Z	2.36 (1.07kg)	L 11" (280mm)
+A	0.92(0.42kg)	W 2.3" (59mm)
+M	0.62(0.28kg)	H 2.35" (60mm)
		D 9.4" (238.8mm)
		D1 1.15" (29.2mm)
		ID 0.45" (11.5mm)

MERCURY™ MERCRAISER™**CM984325**

+Z	0.93 (0.42kg)	OD 3.6" (91.4mm)
+A	0.36(0.16kg)	H 3.95" (100.3mm)
+M	0.24(0.11kg)	THD M8

MERCURY™ MERCRAISER™



CM804079002

+Z 0.14 (0.064kg)

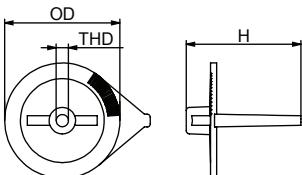
90 HP 4T

OD 0.9" (22mm)

H 1.3" (32mm)

THD M6

MERCURY™ MERCRAISER™



CM822777

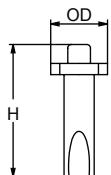
+Z 1.48 (0.67kg)

OD 3.5" (90mm)

H 3.3" (83mm)

THD 7/16 - 14 UNC

MERCURY™ MERCRAISER™

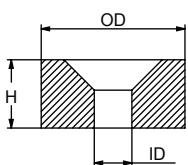


CM826887M

+Z 0.033 (0.015kg) OD 0.6" (16mm)
H 1.6" (40mm)

Also apply to Yamaha, Parsun

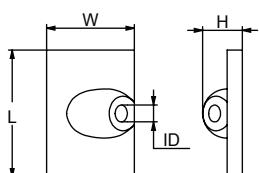
MERCURY™ MERCRAISER™



CM820503

+Z 0.026 (0.012kg) OD 0.94" (23.9mm)
ID 0.28" (7.1mm)
H 0.3" (8mm)

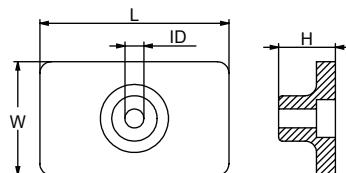
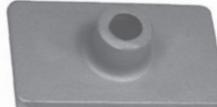
MERCURY™ MERCRAISER™



CM42121

+Z 0.073 (0.033kg) MERCURY 6-9.9 HP
+A 0.029 (0.013kg)
+M 0.018 (0.008kg)
L 1.66" (42mm)
W 1.1" (29mm)
H 0.42" (10.7mm)
ID 0.28" (7mm)

MERCURY™ MERCRAISER™



CM85824

+Z 0.08 (0.036kg)

MERCURY 4.5-9.9 HP

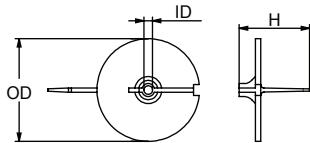
L 2" (50mm)

W 1.2" (30mm)

H 0.5" (12.7mm)

ID 0.25" (6.4mm)

MERCURY™ MERCRAIDER™



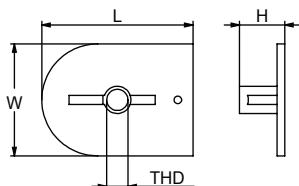
CM942860

+Z 0.62 (0.28kg)

OUTBOARD 25 HP

OD 3.7" (95mm)
ID 0.33" (8.5mm)
H 2.6" (65mm)

MERCURY™ MERCRAIDER™



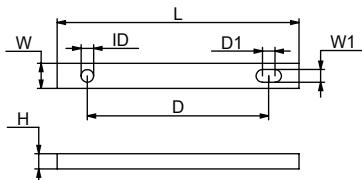
CM47820A1

+Z 0.73 (0.33kg)

OUTBOARD 20 HP

L 3.9" (100mm)
W 2.9" (74mm)
H 1.2" (30mm)
THD $\frac{5}{16}$ - 18 UNC

MERCURY™ MERCRAIDER™



CM825271

25-30-40 HP 4T

+Z 0.65 (0.29kg)

+A 0.25 (0.11kg)

+M 0.16 (0.07kg)

L 7.6" (193mm)

W 0.75" (19mm)

W1 0.25" (6.4mm)

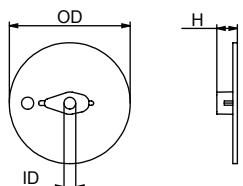
H 0.5" (12mm)

D 6.58" (167mm)

D1 0.32" (8.1mm)

ID 0.25" (6.4mm)

MERCURY™ MERCRAIDER™



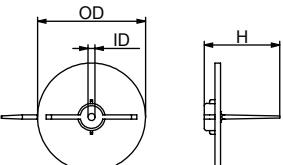
CM76214Q5

+Z 0.73 (0.33kg)

BRAVO4 225-250 HP

OD 4.4" (112mm)
ID 0.43" (10.9mm)
H 0.7" (19mm)

MERCURY™ MERCRAIDER™



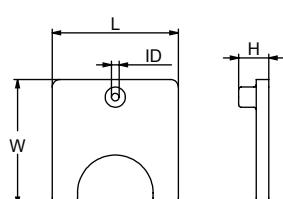
CM17264

+Z 1 (0.46kg)

FORMULA 60 HP

OD 4" (101.6mm)
ID 0.5" (12mm)
H 2.7" (70mm)

MERCURY™ MERCRAIDER™



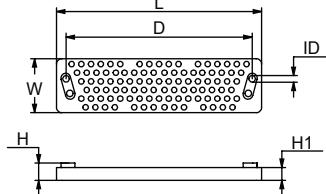
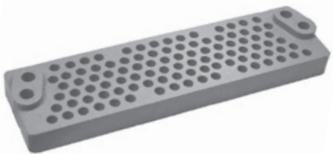
CM09411

+Z 0.12 (0.05kg)

MERCURY 4-7 HP

L 2" (50mm)
W 2" (50mm)
H 0.5" (12mm)
ID 0.27" (6.8mm)

MERCURY™ MERCRAISER™



CM8239121

+Z 2 (0.91kg)

L 7.5" (190mm)
W 1.97" (50mm)
H 0.79" (20mm)
H1 0.63" (16mm)
D 0.28" (7mm)
ID 7" (177.8mm)

MERCURY 50-75 HP MERCRAISER 90-100 HP SUPER AMERICA 80-155 HP

MERCRAISER™ ENHANCED PROTECTION PROP NUT ANODES

FITS PROP SHAFTS FOR
BRAVO III 2003 and Older



CMPNDAF14UNS

+Z 6.75 (3.07kg)

+A 2.62 (1.19kg)

+M 1.69 (0.77kg)

Shaft Size 1" (25mm)
Thread Size 1"- 14UNS
Length 3 1/16" (78mm)
Outside DIA 2 1/8" (54mm)
Fastener 5/16- 18x1
socket head w/ patch

MERCRAISER™ ENHANCED PROTECTION PROP NUT ANODES

FITS PROP SHAFTS FOR
ALPHA I & BRAVO I



CMPNCZF16

+Z 1.38 (0.63kg)

+A 0.78 (0.35kg)

+M 0.65 (0.3kg)

Shaft Size 1 1/8" (29mm)
Thread Size 3/4" - UNF16
Length 3" (76mm)
Outside DIA 1 7/8" (48mm)
Fastener 5/16- 18x1
socket head w/ patch

MERCRAISER™ ENHANCED PROTECTION PROP NUT ANODES

FITS PROP SHAFTS FOR
BRAVO II



CMPNEZF14

+Z 2.5 (1.14kg)

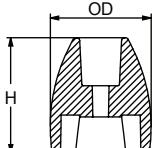
+A 1.43 (0.65kg)

+M 1.2 (0.54kg)

Shaft Size 1 3/8" (35mm)
Thread Size 1" - UNS14
Length 3 1/2" (89mm)
Outside DIA 2 3/8" (60mm)
Fastener 5/16- 18x1
socket head w/ patch

MERCRAISER™ ENHANCED PROTECTION PROP NUT ANODES

FITS PROP SHAFTS FOR
BRAVO III 2004 to Present



CM865182C

+Z 1.12 (0.51kg)

+A 0.42 (0.19kg)

+M 0.27 (0.12kg)

H 2.4" (61mm)
OD 2.1" (53mm)
Fastener 5/16- 18x1 1/2

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMVERADO4KIT	4.39(1.99kg)	1.72(0.78kg)	1.23(0.56kg)

Contains:
CM818298 X 1
CM826134 X 2
CM762145 X 1

Fits Verado 4 /OPTIMAX Engine



ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMVERADO6KIT	5(2.27kg)	1.96(0.89kg)	1.41(0.64kg)

Contains:
CM880653 X 1
CM892227 X 4
CM826134 X 2
CM762145 X 1

Fits Verado 6 Engine

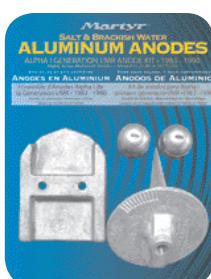


ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMALPHAGEN1KIT	3.65(1.66kg)	1.41(0.64kg)	0.95(0.43kg)

Contains:
CM31640 X 1
CM55989 X 2
CM821631 X 1

Fits Alpha I Generation I Engine 1983 - 1990



ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMALPHAKIT	5.61 (2.55kg)	2.58 (1.17kg)	1.83 (0.83kg)

Contains:
CM762145 X 1
CM806105 X 1
CM821629 X 1
CM821631 X 1
CM806189 X 2

Fits Alpha I Generation II Engine 1991 - present

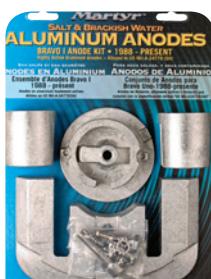


ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMBRAVO1KIT	5.35 (2.43kg)	2.44 (1.11kg)	1.82 (0.83kg)

Contains:
CM762145 X 1
CM806188 X 1
CM821630 X 1
CM806190 X 2

Fits Bravo I Engine 1988 - present

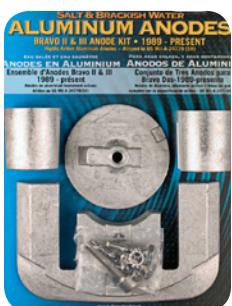


ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMBRAVO23KIT	5.02 (2.28kg)	2.31 (1.05kg)	1.72 (0.78kg)

Contains:
CM762145 X 1
CM821630 X 1
CM806190 X 2

Fits Bravo II 1989 - present & Bravo III 1989 - 2003



ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



Part ID	+Z	+A	+M
CMBRAVO3KIT	6.57 (2.98kg)	3.02 (1.37kg)	2.16 (0.98kg)

Contains:
CM762144 X 1
CM762145 X 1
CM865182C X 1
CM821630 X 1
CM806190 X 2

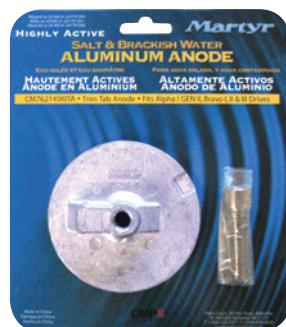
Fits Bravo III Engine 2004 - present



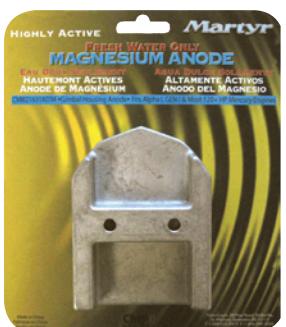
ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

MERCURY™ ANODE KITS



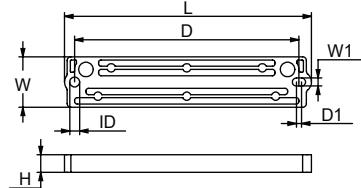
Part ID	+A	+M
CM31640KIT	0.62 (0.28kg)	0.5 (0.23kg)
CM55989KIT	0.36 (0.16kg)	0.3 (0.14kg)
CM762144KIT	0.49 (0.22kg)	0.38 (0.17kg)
CM762145KIT	0.5 (0.23kg)	0.37 (0.17kg)
CM806105KIT	0.38 (0.17kg)	0.31 (0.14kg)
CM806188KIT	0.13 (0.06kg)	0.1 (0.045kg)
CM806189KIT	0.36 (0.16kg)	0.3 (0.14kg)
CM806190KIT	0.8 (0.36kg)	0.58 (0.26kg)
CM818298KIT	0.8 (0.36kg)	0.58 (0.26kg)
CM821629KIT	0.88 (0.40kg)	0.66 (0.3kg)
CM821630KIT	1.08 (0.49kg)	0.79 (0.36kg)
CM821631KIT	1 (0.45kg)	0.71 (0.32kg)
CM826134KIT	0.62 (0.28kg)	0.46 (0.21kg)
CM865182KIT	0.74 (0.34kg)	0.59 (0.27kg)



ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

NISSAN™ TOHATSU™



CM3C7602181

+Z 1.12 (0.51kg)

+A 0.46 (0.21kg)

+M 0.28 (0.13kg)

L 7.7" (196mm)

W 1.6" (40mm)

W1 0.25" (6.4mm)

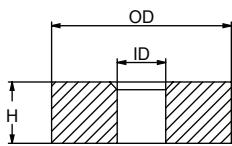
H 0.5" (14mm)

D 7" (178mm)

D1 0.16" (4mm)

ID 0.31" (7.8mm)

NISSAN™ TOHATSU™



CM5338602182A0 *Also apply to Hidea*

+Z 0.46 (0.21kg)

OD 0.9" (23.5mm)

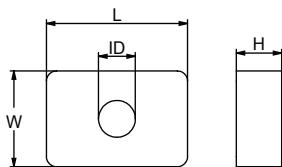
+A 0.018 (0.008kg)

ID 0.3" (6.5mm)

+M 0.011(0.005kg)

H 0.3" (7.8mm)

NISSAN™ TOHATSU™



CM3H660218000 *Also apply to Parsun & ShenFeng*

+Z 0.06 (0.03kg)

L 1.1" (28mm)

+A 0.02 (0.01kg)

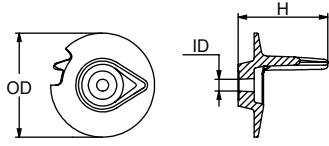
W 0.7" (19mm)

+M 0.012 (.006kg)

H 0.4" (9mm)

ID 0.25" (6.3mm)

NISSAN™ TOHATSU™



CM3V1602170

Also apply to Hidea

+Z 0.22 (0.1kg)

OD 2.2" (55mm)

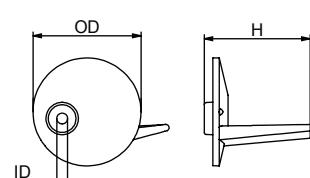
+A 0.09 (0.04kg)

ID 0.25" (6.4mm)

+M 0.06 (0.03kg)

H 1.9" (48mm)

NISSAN™ TOHATSU™



CM348602170

FIN 25-40 HP

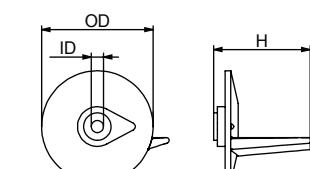
+Z 0.28 (0.126kg)

OD 2" (50mm)

ID 0.25" (6.4mm)

H 2" (50mm)

NISSAN™ TOHATSU™



CM3C8602170

MEGA 25-50 HP

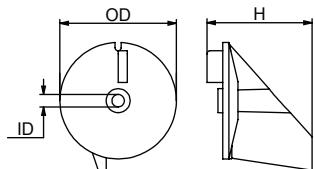
+Z 0.47 (0.135kg)

OD 2.3" (59mm)

ID 0.25" (6.4mm)

H 2" (51mm)

NISSAN™ TOHATSU™



CM3B7602170

+Z 0.76 (0.345kg)

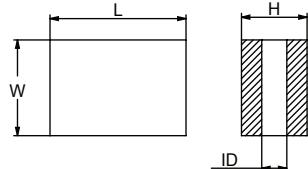
60-70-90-120-140 HP

OD 3" (77mm)

ID 0.3" (7.7mm)

H 2.76" (70mm)

NISSAN™ TOHATSU™



CM3B7602180

+Z 0.09 (0.043kg)

MEGA ENGINES

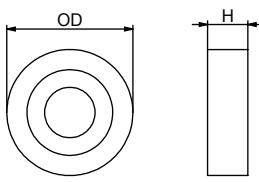
L 1.1" (27mm)

W 0.7" (19mm)

H 0.5" (13mm)

ID 0.28" (7mm)

NISSAN™ TOHATSU™



CM369602181

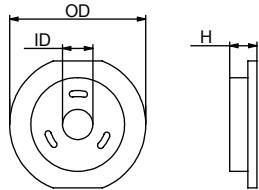
+Z 0.044 (0.02kg)

2.5-8 HP

OD 1" (25mm)

H 0.3" (8mm)

NISSAN™ TOHATSU™



CM3M2602181

+Z 0.1 (0.05kg)

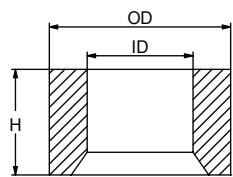
40-140 HP

OD 1.8" (45mm)

ID 0.26" (6.7mm)

H 0.4" (9mm)

PAINIER™



CM6634525100

+Z 0.09 (0.041kg)

OD 0.9" (24mm)

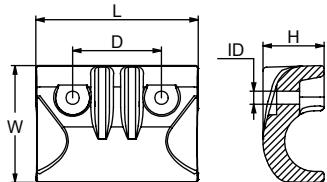
+A 0.034 (0.0156kg)

ID 0.3" (6.6mm)

+M 0.022 (0.01kg)

H 0.6" (14mm)

PAINIER™



CM63D4225101

+Z 1.28 (0.582kg)

L 3.4" (86mm)

+A 0.49 (0.223kg)

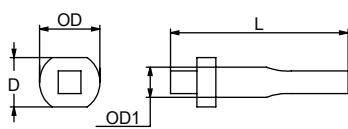
W 2.4" (62mm)

+M 0.31 (0.14kg)

H 1.3" (32mm)

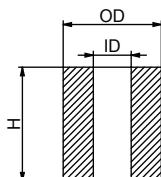
D 1.9" (47mm)

ID 0.3" (6.5mm)

PAINIER™**CM6H31132501**

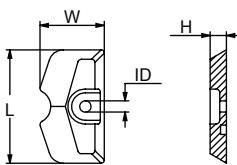
+Z	0.46 (0.21kg)	L	2.7" (68mm)
+A	0.018 (0.008kg)	OD	0.6" (16mm)
+M	0.011(0.005kg)	OD1	0.3" (8mm)

D 0.5" (13mm)

PARSUN™**CM4003**

+Z	0.026 (0.012kg)	OD	0.5" (13mm)
+A	0.011 (0.005kg)	ID	0.2" (5mm)
+M	0.0066 (0.003kg)	H	0.6" (15mm)

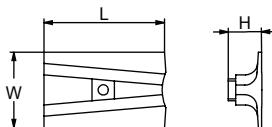
Also apply to Yamaha, ALLPASS, Hidea, Tiger & Painier

PARSUN™**CM4022**

+Z	0.13 (0.06kg)	L	2.4" (60mm)
+A	0.05 (0.023kg)	W	1.3" (34mm)
+M	0.033 (0.015kg)	H	0.3" (8.5mm)

ID 0.2" (6mm)

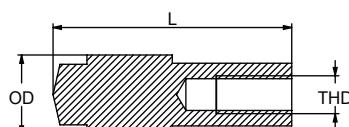
Also apply to Yamaha, ALLPASS, Hidea, Tiger, Painier & Shengfeng

PARSUN™

Also apply to Yamaha

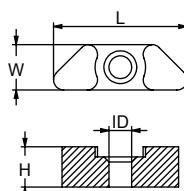
CM8018

+Z	0.031 (0.014kg)	L	3.1" (80mm)
+A	0.013 (0.006kg)	W	2" (50mm)
+M	0.008 (0.0035kg)	H	0.9" (22mm)

PARSUN™**CM15008**

+Z	0.031 (0.014kg)	L	1.3" (32mm)
+A	0.013 (0.006kg)	OD	0.4" (11mm)
+M	0.008 (0.0038kg)	THD	0.2" (5mm)

Also apply to Yamaha, ALLPASS, Hidea & Tiger

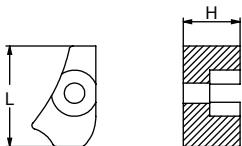
PARSUN™**CM15026**

+Z	0.022 (0.01kg)	L	1.1" (27mm)
+A	0.011 (0.005kg)	W	0.4" (9mm)
+M	0.0066 (0.003kg)	H	0.4" (10mm)

ID 0.2" (5mm)

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

PARSUN™



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

CM15103

+Z 0.044 (0.02kg)

+A 0.018 (0.008kg)

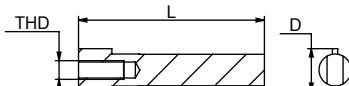
+M 0.011 (0.005kg)

682-11325-00-00

L 1.1" (27mm)

H 0.6" (15mm)

PARSUN™



Also apply to Yamaha

CM25005

+Z 0.035 (0.016kg)

+A 0.013 (0.006kg)

+M 0.009 (0.004kg)

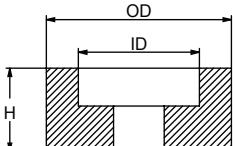
62Y-11325-00-00

L 1.9" (49mm)

D 0.4" (11mm)

THD 0.2" (5mm)

PARSUN™



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

CM40001

+Z 0.057 (0.026kg)

+A 0.024 (0.011kg)

+M 0.015 (0.007kg)

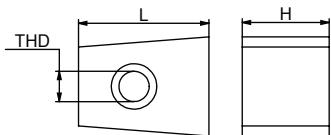
676-45251-00-00

OD 1" (25mm)

ID 0.4" (11mm)

H 0.3" (7mm)

PARSUN™



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

CM40009

+Z 0.27 (0.123kg)

+A 0.1 (0.043kg)

+M 0.066 (0.03kg)

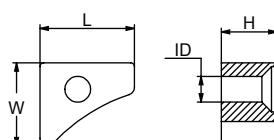
67C-45251-00-00

L 1.4" (35mm)

H 0.9" (23mm)

THD 0.3" (8mm)

PARSUN™



Also apply to Yamaha, Hidea, Tiger & Painier

CM40012

+Z 0.066 (0.03kg)

+A 0.026 (0.012kg)

+M 0.018 (0.008kg)

676-11325-00-00

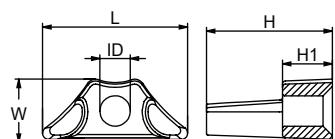
L 1" (25mm)

W 0.9" (22mm)

H 0.6" (15mm)

ID 0.3" (7mm)

PARSUN™



Also apply to Yamaha

CM85007

+Z 0.022 (0.01kg)

+A 0.01 (0.004kg)

+M 0.004 (0.002kg)

688-11325-00-00

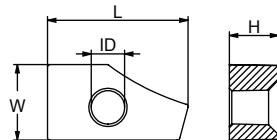
L 0.9" (23mm)

W 0.4" (10mm)

H 0.8" (20mm)

H1 0.3" (8mm)

ID 0.2" (5mm)

PARSUN™

Also apply to Yamaha, ALLPASS, Hidea & Painier

CM3082523

+Z 0.46 (0.21kg)

+A 0.018 (0.008kg)

+M 0.011(0.005kg)

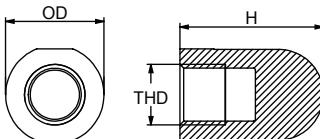
689-11325-00-00

L 1.1" (28mm)

W 0.59" (15mm)

H 0.39" (9.8mm)

ID 0.24" (6.2mm)

RENAULT™**CMRE16****NUT FOR SHAFT**

+Z 0.19 (0.09kg)

+A 0.07 (0.03kg)

+M 0.04 (0.02kg)

OD 1" (26mm)

H 1.5" (38mm)

THD M16

CMRE20**NUT FOR SHAFT**

+Z 0.35 (0.16kg)

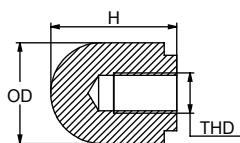
+A 0.13 (0.06kg)

+M 0.09 (0.04kg)

OD 1.4" (35mm)

H 2" (50mm)

THD M20

RENAULT™**CMRE28**

+Z 0.49 (0.22kg)

+A 0.18 (0.08kg)

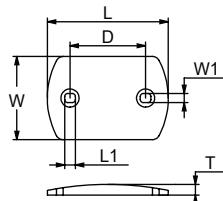
+M 0.11 (0.05kg)

NUT FOR SHAFT

OD 1.6" (40mm)

H 1.9" (49mm)

THD M28X2.5

RENAULT™**CMRE050**

+Z 0.37 (0.17kg)

L 3.1" (80mm)

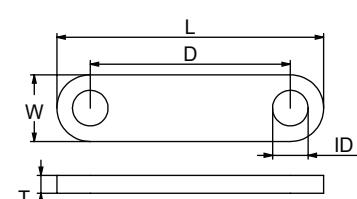
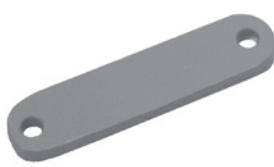
L1 0.32" (8.2mm)

W 2" (50mm)

W1 0.25" (6.3mm)

D 1.89" (48mm)

T 0.39" (10mm)

SELVA™**CM9005655**

+Z 0.05 (0.024kg)

L 2.4" (60mm)

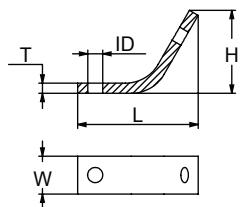
W 0.6" (15mm)

D 2" (50.8mm)

ID 0.17" (4.4mm)

T 0.2" (4mm)

SELVA™

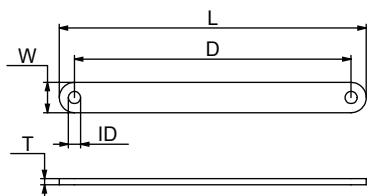


CM9005660

+Z 0.06 (0.025kg)

L 2" (52mm)
W 0.6" (15mm)
H 1.1" (28mm)
ID 0.17" (4.4mm)
T 0.16" (4mm)

SELVA™

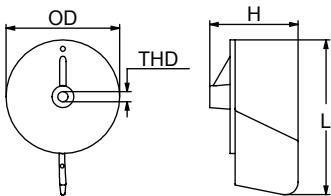


CM9005665

+Z 0.24 (0.11kg)

L 8" (203mm)
W 0.8" (20mm)
D 7.2" (183mm)
ID 0.26" (6.7mm)
T 0.2" (4mm)

SELVA™

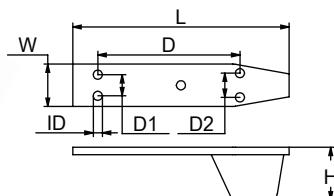


CM2500050

+Z 0.37 (0.17kg)

BEST 800-S1000
L 3.5" (90mm)
H 2.7" (70mm)
OD 2.32" (59mm)
THDM8

SELVA™



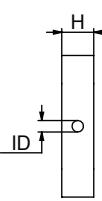
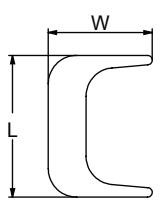
CM2500010

6-15 HP

+Z 0.22 (0.1kg)

L 5.6" (143mm)
W 1.1" (28mm)
H 1.4" (35mm)
D 2.56" (65mm)
ID 0.17" (4.2mm)
D1 0.71" (18mm)
D2 0.63" (16mm)

SELVA™



CM2504020 405-700

+Z 0.46 (0.21kg)

L 2.9" (75mm)
W 2.2" (55mm)
H 0.7" (17mm)

CM2504025 100 HP

+Z 0.31 (0.14kg)

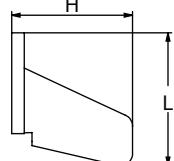
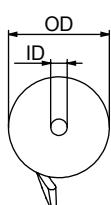
L 3.5" (88mm)
W 2.1" (53mm)
H 0.4" (11mm)

CM2504035

80 HP IZMIR-15 HP NAXOS

+Z 0.22 (0.1kg)
L 2.4" (60mm)
W 1.6" (40mm)
H 0.5" (12mm)

SELVA™

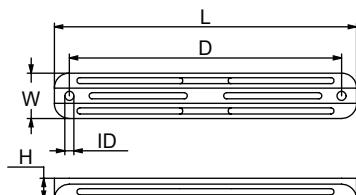


CM2500065

+Z 0.22 (0.1kg)

25-40 HP

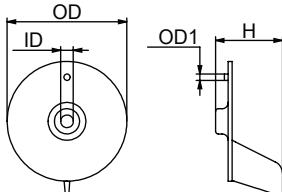
L 1.85" (47mm)
OD 1.6" (40mm)
ID 0.26" (6.5mm)
H 1.9" (48mm)

SELVA™**CM2504025**

+Z 0.86 (0.39kg)

40-100 HP

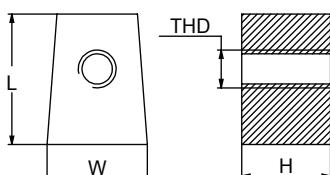
L 7.9" (200mm)
 W 1.2" (30mm)
 H 0.5" (14mm)
 D 7.1" (182mm)
 ID 0.25" (6.4mm)

SELVA™**CM82795M**

+Z 0.43 (0.195kg)

YAMAHA 25-30 HP

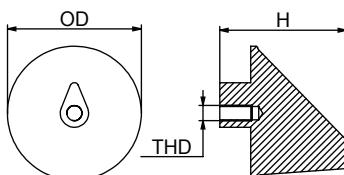
OD 3.7" (95mm)
 OD1 0.19" (4.9mm)
 ID 0.33" (8.5mm)
 H 2.1" (53mm)

SELVA™**CM67C4525100**

+Z 0.25 (0.115kg)

OUTBOARD

L 1.36" (35mm)
 W 1" (27mm)
 H 0.93" (24mm)
 THD M8 X 1.25

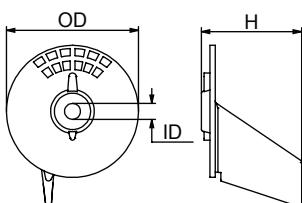
SUZUKI™**CM5512587D00**

+Z 0.75(0.34kg)

OD 3.5" (89mm)
 H 3.3" (84mm)
 THD M10 X 1.25

+A 0.3(0.14kg)

+M 0.19(0.09kg)

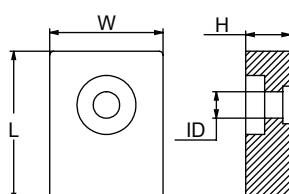
SUZUKI™**CM551259630**

+Z 0.28(0.13kg)

OD 2.7" (70mm)
 ID 0.3" (8.4mm)
 H 2.1" (53mm)

+A 0.15(0.07kg)

+M 0.07(0.03kg)

SUZUKI™**CM5532095310**

+Z 0.17(0.08kg)

L 1.6" (40mm)
 W 1.2" (30mm)
 H 0.5" (12mm)
 ID 0.26" (6.5mm)

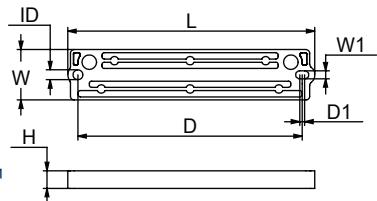
+A 0.07(0.03kg)

+M 0.04(0.02kg)

SUZUKI™



Also fits BRP™ & Mercury™



CM5532194900

(**CM3C7602181**)

+Z 1.12(0.51kg)

+A 0.46(0.21kg)

+M 0.28(0.13kg)

L 7.7" (196mm)

W 1.6" (40mm)

W1 0.25" (6.4mm)

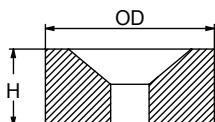
H 0.5" (14mm)

D 7" (178mm)

D1 0.16" (4mm)

ID 0.31" (7.8mm)

SUZUKI™



CM1113094600

OUTBOARD

+Z 0.02 (0.01kg)

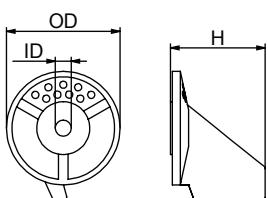
OD 0.9" (22mm)

+A 0.008 (0.004kg)

H 0.4" (10mm)

+M 0.005 (0.002kg)

SUZUKI™



CM5512595301

55-65 HP

+Z 0.31 (0.14kg)

OD 2.4" (60mm)

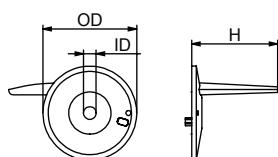
+A 0.12 (0.055kg)

ID 0.33" (8.4mm)

+M 0.08 (0.035kg)

H 2" (50mm)

SUZUKI™



CM5512595500

75-85 HP

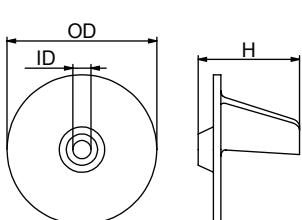
+Z 0.35 (0.16kg)

OD 2.4" (62mm)

H 2.24" (56.8mm)

ID 0.33" (8.5mm)

SUZUKI™



CM5512594502

115 HP

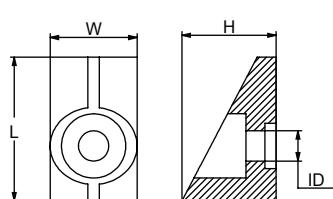
+Z 0.72 (0.326kg)

OD 3.9" (99mm)

ID 0.44" (11.3mm)

H 2.6" (67mm)

SUZUKI™



CM5532098600

OUTBOARD

+Z 0.22 (0.1kg)

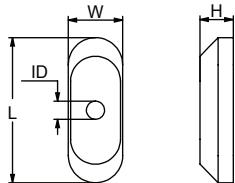
L 1.5" (38mm)

W 0.9" (23mm)

H 0.83" (21mm)

ID 0.25" (6.4mm)

SUZUKI™



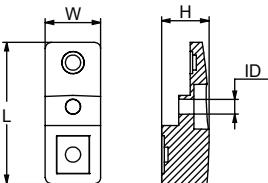
CM5532098400

+Z 0.11 (0.052kg)

9.9-15 HP

L 1.9" (48mm)
W 0.7" (18mm)
H 0.4" (11mm)
ID 0.2" (6mm)

SUZUKI™



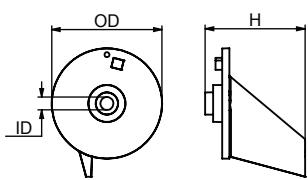
CM5532190J01

+Z 0.19 (0.086kg)

90-115 HP

L 2.2" (55mm)
W 0.9" (22mm)
H 0.7" (19mm)
ID 0.2" (6mm)

SUZUKI™



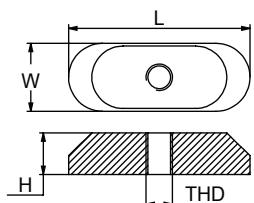
CM5512587E01

+Z 0.54 (0.25kg)

70-90-115-140 HP

OD 2.9" (73mm)
H 2.6" (66mm)
ID 0.33" (8.5mm)

SUZUKI™



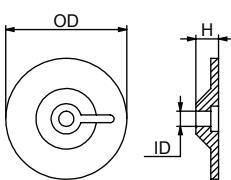
CM4181198500

+Z 0.11(0.05kg)

2.2-4 HP

L 1.9" (48mm)
W 0.7" (18mm)
H 0.4" (11mm)
THD M6 X 1

SUZUKI™



CM5532193900

+Z 0.12(0.05kg)

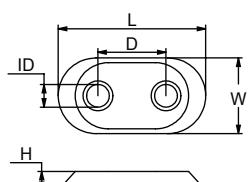
+A 0.046(0.02kg)

+M 0.028(0.013kg)

9.9-15 HP

OD 1.9" (48mm)
H 0.4" (9mm)
ID 0.26" (6.6mm)

SUZUKI™

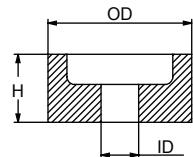


CM5530095500

+Z 0.17(0.08kg)

2-8 HP

L 3.1" (78mm)
W 0.79" (20mm)
H 0.4" (10mm)
D 1.6" (40mm)
ID 0.26" (6.6mm)

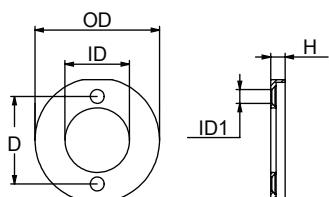
SUZUKI™**CM5532187J00**

+Z 0.04 (0.02kg)

OD 0.83" (21mm)

H 0.39" (10mm)

ID 0.24" (6mm)

VOLVO PENTA™**CMV15 (CM875810)**

+Z 0.43 (0.2kg)

OD 3.9" (99mm)

D 2.74" (69.5mm)

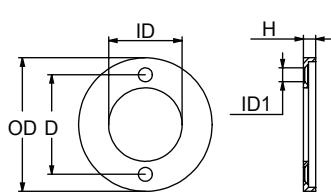
ID 2" (51mm)

ID1 0.43" (11mm)

H C 0.4" (11mm)

+A 0.19 (0.09kg)

+M 0.11 (0.05kg)

VOLVO PENTA™**CMV16 (CM875809)**

+Z 0.44 (0.2kg)

OD 4.2" (106mm)

D 3.1" (79mm)

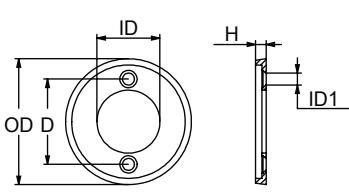
ID 2.3" (58mm)

ID1 0.43" (11mm)

H 0.4" (10mm)

+A 0.19 (0.09kg)

+M 0.11 (0.05kg)

VOLVO PENTA™**CMV17 (CM875806-4)**

+Z 0.65 (0.29kg)

OD 4.6" (116.5mm)

D 3.1" (79mm)

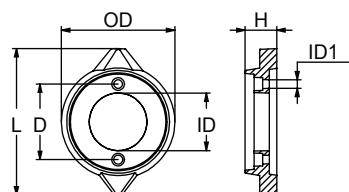
ID 2.3" (58mm)

ID1 0.43" (11mm)

H 0.4" (10mm)

+A 0.29 (0.13kg)

+M 0.16 (0.07kg)

VOLVO PENTA™**CMV18 (CM875815-3)**

+Z 1.61 (0.73kg)

L 6.1" (155mm)

H 1.34" (34mm)

D 3.15" (80mm)

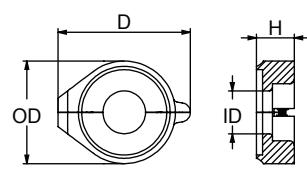
OD 4.7" (120mm)

ID 2.4" (61mm)

ID1 0.35" (9mm)

+A 0.64 (0.29kg)

+M 0.4 (0.18kg)

VOLVO PENTA™**CM358407**

+Z 3.27 (1.48kg)

D 5.47" (139mm)

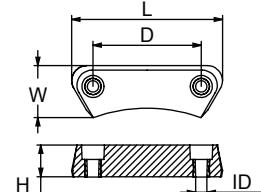
OD 4.25" (108mm)

ID 1.77" (45mm)

H 1.57" (40mm)

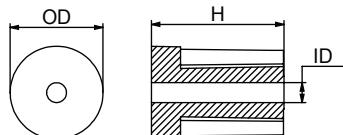
+A 1.43 (0.65kg)

+M 0.89 (0.41kg)

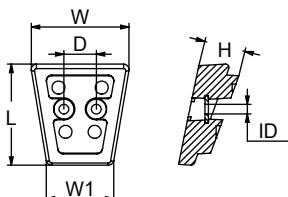
VOLVO PENTA™**CM3588745**

+Z	1.08 (0.491kg)	L	4.6" (118mm)
+A	0.45 (0.20kg)	W	1.6" (41mm)
+M	0.29 (0.13kg)	H	1" (25mm)

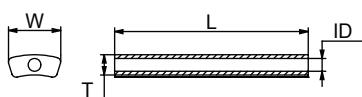
D	3.4" (86mm)
ID	0.35" (9mm)

VOLVO PENTA™**CM3593881**

+Z	1.5 (0.69kg)	OD	1.9" (49mm)
+A	0.64 (0.29kg)	ID	0.41" (10.5mm)
+M	0.41 (0.19kg)	H	2.7" (70mm)

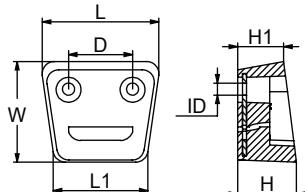
VOLVO PENTA™**CM3841427**

+Z	0.96 (0.43kg)	L	3.7" (94mm)
+A	0.44 (0.20kg)	W	3.7" (93mm)
+M	0.29 (0.13kg)	W1	2.4" (61mm)
		H	1.5" (38mm)
		D	1.18" (30mm)
		ID	0.35" (9mm)

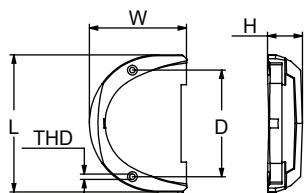
VOLVO PENTA™**CM3852970**

+Z	0.33 (0.15kg)	L	4" (104mm)
+A	0.15 (.068kg)	W	1.1" (28mm)
+M	0.1 (0.045kg)	ID	0.26" (6.6mm)

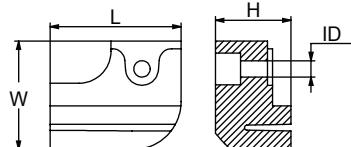
T	0.42" (10.7mm)
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VOLVO PENTA™**CM3854130**

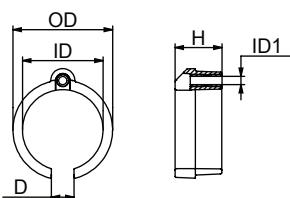
+Z	2.4 (1.09kg)	L	3.76" (96mm)
+A	0.9 (0.41kg)	L1	2.86" (73mm)
+M	0.6 (0.27kg)	W	3.14" (80mm)
		H	1.84" (47mm)
		H1	1.44" (37mm)
		D	2" (50.8mm)
		ID	0.375" (9.5mm)

VOLVO PENTA™**CM3855411**

+Z	2.29 (1.04kg)	L	5.7" (145.3mm)
+A	0.9 (0.41kg)	W	4" (102.9mm)
+M	0.55 (0.25kg)	H	1.4" (36.8mm)
		D	4.4" (112.8mm)
		THD	1/4 - 20 UNC

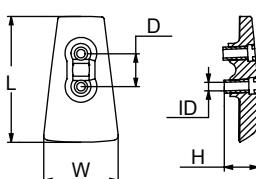
VOLVO PENTA™**CM3861636**

+Z	0.52 (0.24kg)	L	2" (52mm)
+A	0.22 (0.1kg)	W	1.7" (43mm)
+M	0.14 (0.06kg)	H	1.2" (30mm)
		ID	0.25" (6.4mm)

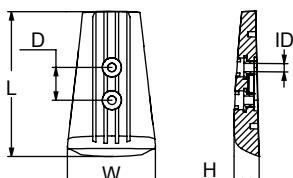
VOLVO PENTA™**CM3861634**

+Z	0.65 (0.29kg)	OD	3.1" (78mm)
+A	0.27 (0.123kg)	ID1	0.25" (6.4mm)
+M	0.18 (0.08kg)	D	0.71" (18mm)

H 1.5" (37mm)

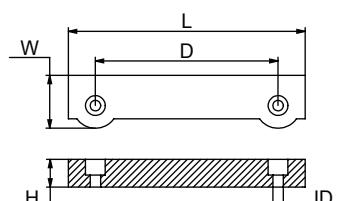
VOLVO PENTA™**CM3863206**

+Z	1.57 (0.71kg)	L	5.2" (132mm)
+A	0.77 (0.35kg)	W	3.1" (78mm)
+M	0.61 (0.28kg)	H	1.4" (36mm)
		D	1.4" (35mm)
		ID	0.35" (9mm)

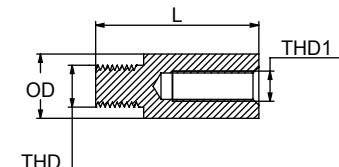
VOLVO PENTA™**CM3883728**

+Z	2.89 (1.31kg)	L	6" (153mm)
+A	1.1 (0.50kg)	W	3.6" (91mm)
+M	0.71 (0.32kg)	H	1.1" (27mm)

D 1.4" (35mm)
ID 0.4" (9mm)

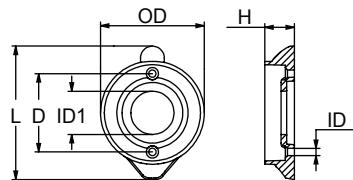
VOLVO PENTA™**CM832598**

+Z	2.09 (0.95kg)	L	7.4" (188mm)
+A	0.81 (0.37kg)	W	1.6" (41mm)
+M	0.52 (0.24kg)	H	0.9" (22mm)
		D	5.7" (145mm)
		ID	0.3" (7.6mm)

VOLVO PENTA™**CM838929**

+Z	0.11 (0.05kg)	L	1.7" (43mm)
+A	0.037 (0.017kg)	OD	0.7" (18mm)
+M	0.023 (0.01kg)	THD	7/16 - 14 UNC

THD1 M8

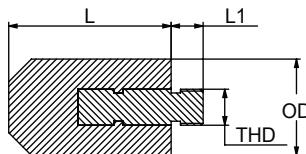
VOLVO PENTA™**CM851983**

+Z 1.08 (0.49kg)

+A 0.53 (0.24kg)

+M 0.42 (0.19kg)

L 4.9" (124mm)
 D 2.85" (72.5mm)
 OD 3.8" (96mm)
 ID 0.26" (6.5mm)
 ID1 1.57" (40mm)
 H 1.1" (27mm)

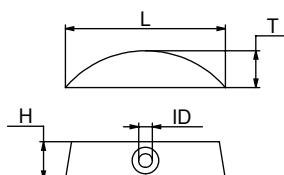
VOLVO PENTA™**CM823661**

+Z 0.31 (0.14kg)

+A 0.15 (0.066kg)

+M 0.11 (0.048kg)

L 1.7" (43mm)
 L1 0.4" (9.5mm)
 OD 1" (26mm)
 THD % - 16 UNC

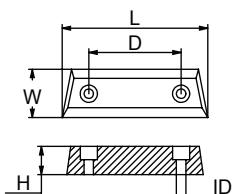
VOLVO PENTA™**CM852018 (CM850982)**

+Z 0.12 (0.05kg)

+A 0.053 (0.024kg)

+M 0.03(0.014kg)

L 2.5" (63.5mm)
 H 0.59" (15mm)
 T 0.57" (14.5mm)
 ID 0.21" (5.3mm)

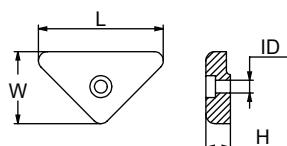
VOLVO PENTA™**CM852835**

+Z 1.67 (0.76kg)

+A 0.66 (0.3kg)

+M 0.42 (0.19kg)

L 5.35" (136mm)
 W 1.81" (46mm)
 H 1" (26mm)
 D 3.4" (86mm)
 ID 0.33" (8.5mm)

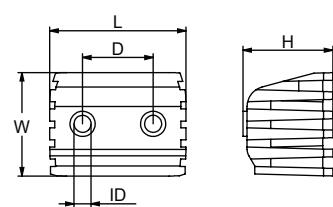
VOLVO PENTA™**CM872793 (CM872675)**

+Z 0.24 (0.11kg)

+A 0.11 (0.05kg)

+M 0.07(0.032kg)

L 2.6" (66mm)
 W 1.5" (38mm)
 H 0.5" (13mm)
 ID 0.25" (6.4mm)

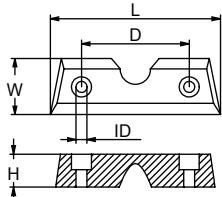
VOLVO PENTA™**CM873395**

+Z 0.61 (0.28kg)

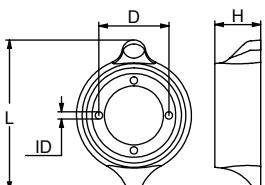
+A 0.28 (.127kg)

+M 0.16 (0.07kg)

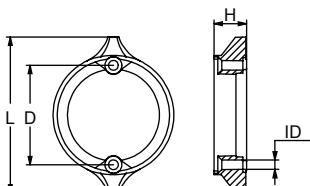
L 2.1" (54mm)
 W 1.6" (41mm)
 H 1.4" (35.6mm)
 D 1.1" (28mm)
 ID 0.26" (6.7mm)

VOLVO PENTA™**CM872139**

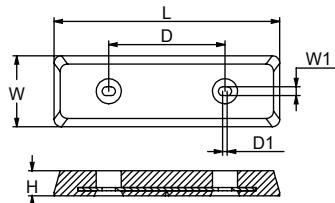
+Z	1.43 (0.65kg)	L	5.35" (136mm)
+W	0.63 (0.29kg)	W	1.8" (46mm)
+H	0.4 (0.18kg)	H	1" (26mm)
+D		D	3.4" (86mm)
+ID		ID	0.33" (8.5mm)

VOLVO PENTA™**CM875812**

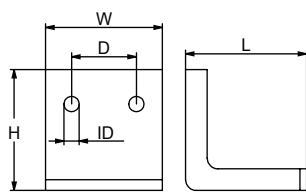
+Z	2.03 (0.92kg)	L	5.5" (140mm)
+A	0.89 (0.41kg)	H	1.7" (43mm)
+M	0.55 (0.25kg)	D	2.55" (64.8mm)
		ID	0.25" (6.4mm)

VOLVO PENTA™**CM875821**

+Z	1.28 (0.58kg)	L	5.7" (145mm)
+A	0.51 (0.23kg)	H	1.2" (29mm)
+M	0.33 (0.15kg)	D	3.625" (92mm)
		ID	0.34" (8.6mm)

VOLVO PENTA™**CM40005875**

+Z	7.95 (3.61kg)	L	10.5" (268mm)
+A	3.33 (1.51kg)	W	3.3" (85mm)
+M	2.17 (0.99kg)	H	1.2" (30mm)
		D	5.4" (138mm)
		D1	0.21" (5.4mm)
		W1	0.41" (10.4mm)

VOLVO PENTA™**CM832934**

		BRACKET TRIM 270	
+Z	1.46 (0.66kg)	L	2.2" (56mm)
+W		W	2.2" (56mm)
+H		H	2.1" (54mm)
+D		D	1" (26mm)
+ID		ID	0.35" (8.8mm)

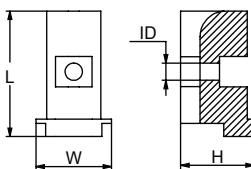
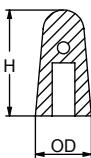
VOLVO PENTA™**CM855105**

		PLATE S DRIVE	
+Z	0.35 (0.16kg)	L	2.4" (60mm)
+A	0.04 (0.02kg)	W	1.4" (35mm)
+M	0.02 (0.01kg)	H	1.2" (30mm)
		ID	0.28" (7mm)

VOLVO PENTA™



CM833913

+Z 0.66 (0.3kg)
+A 0.242(0.11kg)
+M 0.154 (0.07kg)
OD 1.46" (37mm)
H 2.76" (70mm)
THD $\frac{3}{4}$ - 10 UNC
shaft22-25

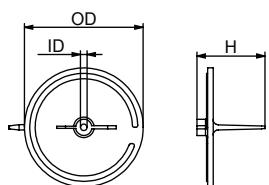
CM833915

+Z 0.62 (0.28kg)
+A 0.242(0.011kg)
+M 0.15 (0.068kg)
OD 1.46" (37mm)
H 2.76" (70mm)
THD $\frac{7}{8}$ - 9 UNC
shaft30

CM828140

+Z 0.11 (0.05kg)
+A 0.42(0.019kg)
+M 0.26 (0.12kg)
OD 1.81" (46mm)
H 3.15" (80mm)
THD 1 - 8 UNC
shaft40-45

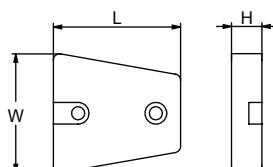
VOLVO PENTA™



SGVP339

+Z 0.93 (0.42kg)
OD 4.3" (110mm)
ID 0.5" (13mm)
H 2.5" (63mm)

VOLVO PENTA™

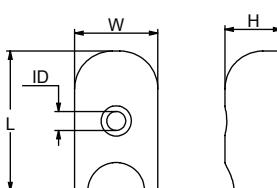


CM876638

+Z 0.47 (0.22kg)
L 2.3" (59mm)
W 2.2" (55mm)
H 0.5" (14mm)

DPX

VOLVO PENTA™

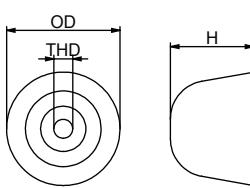


SGSP71180

+Z 0.1 (0.046kg)
L 1.5" (37mm)
W 0.9" (22mm)
H 0.6" (15mm)
ID 0.3" (6.5mm)

BOW THRUST

VOLVO PENTA™

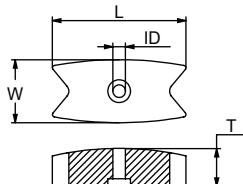


CM41100098

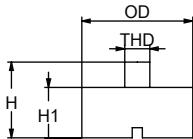
+Z 0.12 (0.06kg)
+A 0.044 (0.02kg)
+M 0.03 (0.014kg)

OGIVE BOW THRUST

OD 1.2" (30mm)
H 0.9" (22mm)
THD M4

VOLVO PENTA™**CM41100276**

+Z 0.19 (0.087kg) L 2" (51mm)
 W 1" (25mm)
 ID 0.26" (6.5mm)
 T 0.62" (15.8mm)

VOLVO PENTA™**CM8520219**

+Z 0.08 (0.037kg) OD 0.9" (22mm)
 +A 0.04 (0.02kg) H 0.9" (22mm)
 +M 0.03 (0.01kg) H1 0.5" (14mm)
 THD M6

VOLVO PENTA™ KITS**Part ID****CM280KIT****+Z**

3.69(1.68kg)

+A

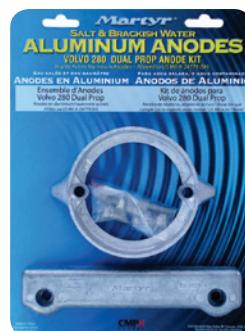
1.70 (0.77kg)

+M

1.27 (0.57kg)

Contains:**CMV18 X 1****CM832598 X 1****Fits Volvo 280 Engine*****ALL KITS INCLUDE***

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

VOLVO PENTA™ KITS**Part ID****CM280DPKIT****+Z**

3.26(1.48kg)

+A

1.5 (0.68kg)

+M

1.12 (0.51kg)

Contains:**CM875821 X 1****CM832598 X 1****Fits Volvo 280 Dual Prop Engine*****ALL KITS INCLUDE***

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

VOLVO PENTA™ KITS**Part ID****CM290KIT****+Z**

3.59 (1.63kg)

+A

1.54 (0.7kg)

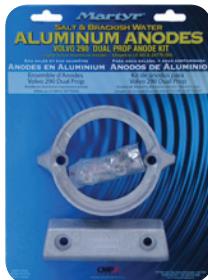
+M

1.23 (0.56kg)

Contains:**CMV18 X 1****CM852835 X 1****Fits Volvo 290 Engine*****ALL KITS INCLUDE***

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection

VOLVO PENTA™ KITS



Part ID	+Z	+A	+M
CM290DPKIT	3.35 (1.52kg)	1.44 (0.65kg)	1.15 (0.52kg)

Contains:
CM875821 X 1
CM852835 X 1

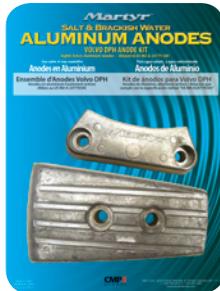
Fits Volvo 290
Dual Prop Engine

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection



VOLVO PENTA™ KITS



Part ID	+Z	+A	+M
CMDPHKIT	2.65 (1.2kg)	1.22 (0.55kg)	0.91 (0.41kg)

Contains:
CM3588745 X 1
CM3863206 X 1

Fits Volvo DPH Engine

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection



VOLVO PENTA™ KITS



Part ID	+Z	+A	+M
CMSXKIT	4.93 (2.24kg)	2.27 (1.03kg)	1.69 (0.77kg)

Contains:
CM3855411 X 1
CM3854130 X 1

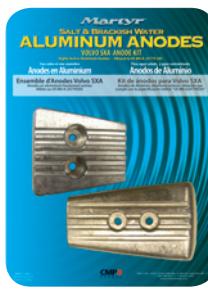
Fits Volvo SX Engine

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection



VOLVO PENTA™ KITS



Part ID	+Z	+A	+M
CMSXAKIT	3.35 (5.62kg)	1.54 (0.65kg)	1.18 (0.54kg)

Contains:
CM3841427 X 1
CM3883728 X 1

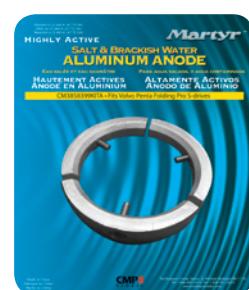
Fits Volvo SX-A/DPS Engine

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection



VOLVO PENTA™ KITS



Part ID	+Z	+A	+M
CM3858399KIT	0.4 (0.18kg)	0.16 (0.07kg)	0.1 (0.04kg)

Contains:
CM3858286 X 3

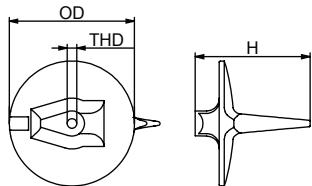
Fits Volvo Folding Prop 3-blade
Engine D2-55A, B, C, D, E, F

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions
- All Anodes Required for 100% Protection



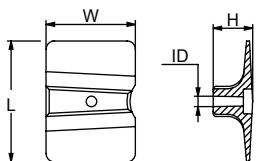
YAMAHA™



CM61A4537100

+Z	1.38 (0.63kg)	OD 3.6" (99mm)
+A	0.55 (0.25kg)	H 3.9" (91mm)
+M	0.34 (0.16kg)	THD M10X1.25

YAMAHA™

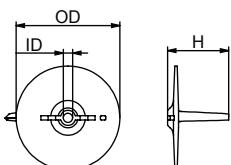


CM61N4525101

+Z	0.58 (0.26kg)	L 3.1" (80mm)
+A	0.23 (0.1kg)	W 2.3" (59mm)
+M	0.16 (0.07kg)	H 1" (26mm)

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

YAMAHA™

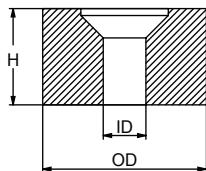


CM6644537101

+Z	0.62 (0.28kg)	OD 3.8" (96mm)
+A	0.25 (0.11kg)	H 2.2" (56.5mm)
+M	0.15 (0.07kg)	ID 0.33" (8.5mm)

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

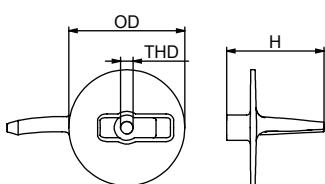
YAMAHA™



CM6884525101

+Z	0.06 (0.03kg)	OD 0.9" (24mm)
+A	0.03 (0.013kg)	ID 0.25" (6.4mm)
+M	0.02 (0.04kg)	H 0.55" (14mm)

YAMAHA™

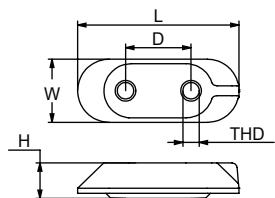


Also apply to Parsun & Painier

CM6884537102 (67F4537100)

+Z	1.05 (0.48kg)	OD 3.6" (92mm)
+A	0.42 (0.19kg)	H 3" (77mm)
+M	0.25 (0.11kg)	THD M10 X 1.25

YAMAHA™



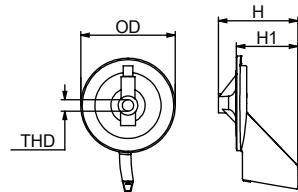
Also apply to ALLPASS & Painier

CM6E04525111

+Z	0.22 (0.1kg)	L 2.5" (64mm)
+A	0.09 (0.04kg)	W 1" (25mm)
+M	0.08 (0.036kg)	H 0.5" (13.5mm)
		D 1" (26mm)

THD M6

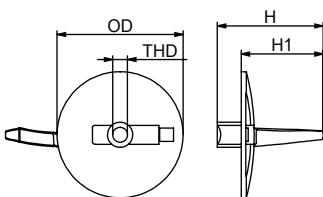
YAMAHA™



CM6J94537101

+Z	1.1 (0.5kg)	OD 3.9" (100mm)
+A	0.44 (0.2kg)	H 3.3" (84mm)
+M	0.28 (0.13kg)	H1 2.6" (65mm) THD M10 X 1.25

YAMAHA™

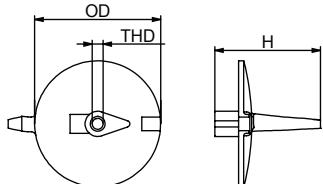


CM6K14537102

Counter Rotation to CM6J94537101

+Z	1.1 (0.5kg)	OD 3.9" (100mm)
+A	0.44 (0.2kg)	H 3.3" (84mm)
+M	0.28 (0.13kg)	H1 2.6" (65mm) THD M10 X 1.25

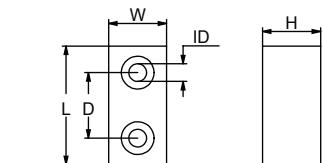
YAMAHA™



CM69L4537100

+Z	1.15 (0.52kg)	OD 3.9" (99mm)
+A	0.46 (0.21kg)	H 3.6" (91mm)
+M	0.32 (0.144kg)	THD M10 X 1.25

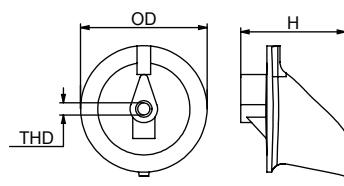
YAMAHA™



CM6E54525100

+Z	0.3 (0.14kg)	L 1.8" (47mm)
+A	0.12 (0.05kg)	W 0.9" (23mm)
+M	0.08 (0.04 kg)	H 0.9" (23mm)
		D 0.9" (23mm)
		ID 0.26" (6.5mm)

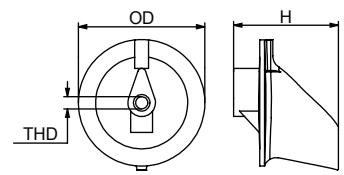
YAMAHA™



CM6E54537101

+Z	0.92 (0.42kg)	OD 3.6" (92mm)
+A	0.37 (0.17kg)	H 3" (76.2mm)
+M	0.23 (0.11kg)	THD M10 X 1.25

YAMAHA™

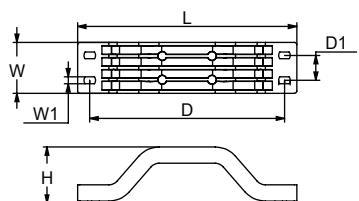


CM6K14537100

Counter Rotation to CM6E54537101

+Z	0.92 (0.42kg)	OD 3.6" (92mm)
+A	0.37 (0.17kg)	H 3" (76.2mm)
+M	0.23 (0.11kg)	THD M10 X 1.25

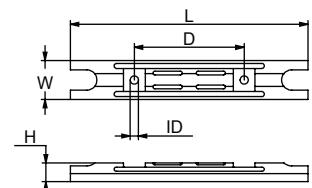
YAMAHA™



CM6G54525101

+Z	2 (0.91kg)	L	8" (203mm)
+A	0.8 (0.37kg)	W	1.8" (47mm)
+M	0.5 (0.23kg)	W1	0.24" (6.2mm)
		H	2" (52mm)
		D	7.1" (180.4mm)
		D1	0.91" (23mm)

YAMAHA™

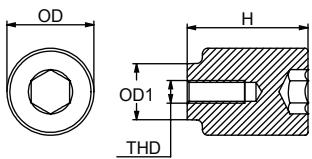


Also apply to Parsun & ALLPASS

CM6H14525102

+Z	1.08 (0.49kg)	L	8" (203mm)
+A	0.43 (0.20kg)	W	1.4" (36mm)
+M	0.27 (0.12kg)	H	0.7" (17mm)

YAMAHA™

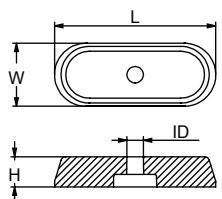


CM68V1132501

+Z	0.15 (0.07kg)	OD	0.9" (23mm)
+A	0.06 (0.03kg)	OD1	0.6" (15mm)
+M	0.04 (0.02kg)	H	1.3" (33mm)

THD M6

YAMAHA™



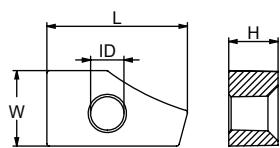
Also apply to Hidea & Tiger

CM68T4525100

+Z	0.22 (0.1kg)	L	2.5" (64mm)
+A	0.09 (0.04kg)	W	1" (25mm)
+M	0.06 (0.03kg)	H	0.5" (12mm)

ID 0.3" (6.5mm)

YAMAHA™



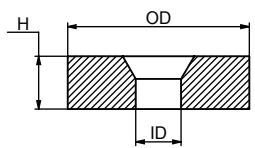
Also apply to Parsun

CM3082523

+Z	0.05 (0.023kg)	L	1.1" (28mm)
+A	0.02 (0.01kg)	W	0.59" (15mm)
+M	0.014(0.006kg)	H	0.39" (9.8mm)

ID 0.24" (6.2mm)

YAMAHA™



CM41106ZW000

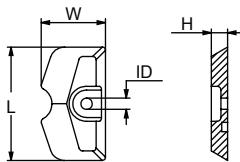
+Z	0.055 (0.025kg)	OD	0.9" (24mm)
		H	0.3" (7mm)
		ID	0.26" (6.5mm)

2-25 HP OUTBOARD

YAMAHA™



Also apply to Parsun



CM6L54525102

+Z 0.13 (0.06kg)

+A 0.05 (0.023kg)

+M 0.033 (0.015kg)

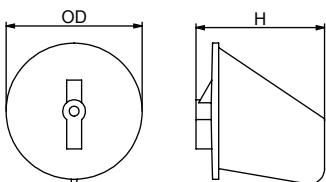
L 2.4" (60mm)

W 1.3" (34mm)

H 0.3" (8.5mm)

ID 0.2" (6mm)

YAMAHA™



CM6794525100

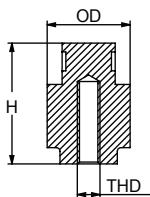
+Z 1.23 (0.557kg)

**40-60 HP MARINER
55 HP YAMAHA**

OD 3.5" (90mm)

H 3.3" (85mm)

YAMAHA™



CM67F1132500

+Z 0.14 (0.064kg)

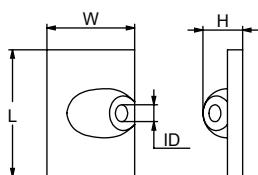
80-100 HP

OD 0.9" (22mm)

H 1.3" (32mm)

THD M6

YAMAHA™



CM42121

+Z 0.07 (0.03kg)

6-9.9 HP MARINER

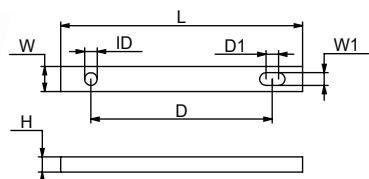
L 1.66" (42mm)

W 1.1" (29mm)

H 0.42" (10.7mm)

ID 0.28" (7mm)

YAMAHA™



CM825171

+Z 0.64 (0.29kg)

L 7.6" (193mm)

W 0.75" (19mm)

W1 0.25" (6.4mm)

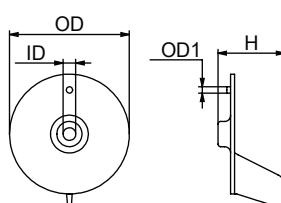
H 0.5" (12mm)

D 6.58" (167mm)

D1 0.32" (8.1mm)

ID 0.25" (6.4mm)

YAMAHA™



CM82795M

+Z 0.42 (0.19kg)

+A 0.15 (0.07kg)

+M 0.11 (0.05kg)

25-30 HP YAMAHA

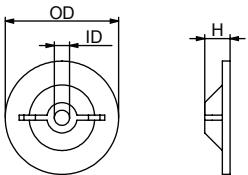
OD 3.7" (95mm)

OD1 0.19" (4.9mm)

ID 0.33" (8.5mm)

H 2.1" (53mm)

YAMAHA™



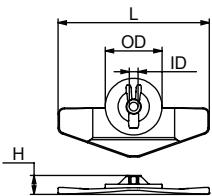
CM6E84525100

+Z 0.14 (0.06kg)

9.9 HP

OD 1.8" (45mm)
ID 0.25" (6.4mm)
H 0.4" (10mm)

YAMAHA™



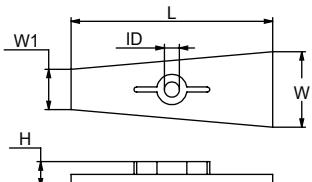
CM6E84525101

+Z 0.32 (0.15kg)

9.9-15 HP

L 4.7" (120mm)
H 0.59" (15mm)
ID 0.27" (6.8mm)
OD 1.8" (45mm)

YAMAHA™



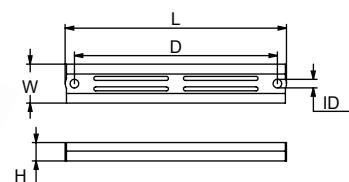
CM6G14525102

+Z 0.07 (0.03kg)

6-8 HP

L 3.1" (80mm)
W 1.2" (30mm)
W1 0.5" (14mm)
H 0.24" (6mm)
ID 0.27" (6.8mm)

YAMAHA™



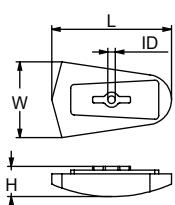
CM6H14525101

+Z 1.23 (0.56kg)

60-90 HP

L 8" (205mm)
W 1.42" (36mm)
H 0.67" (17mm)
D 7.4" (188mm)
ID 0.31" (8mm)

YAMAHA™



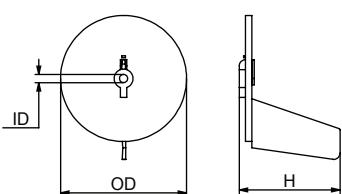
CM6G14525103

+Z 0.37 (0.17kg)

6C-6D-8C

L 3.7" (95mm)
W 2.4" (60mm)
H 0.5" (12.7mm)
ID 0.25" (6.4mm)

YAMAHA™

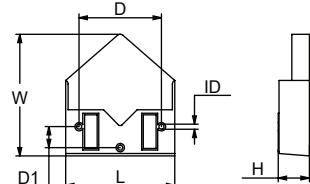


CM6T54537100

+Z 1.15 (0.52kg)

130-160 HP

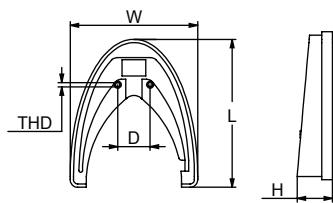
OD 3.9" (100mm)
ID 0.43" (11mm)
H 3.46" (88mm)

YAMAHA™**CM6T44583600**

+Z 3.17 (1.44kg)

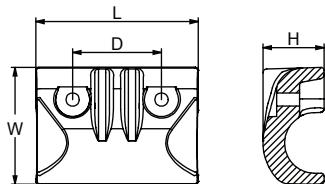
V8

L 5.9" (150mm)
 W 5.1" (130mm)
 H 1.54" (39mm)
 D 4.65" (118mm)
 D1 0.98" (25mm)
 ID 0.35" (9mm)

YAMAHA™**CM6T54537300****130-260 HP**

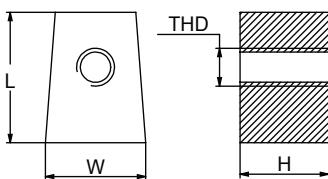
+Z 2.36 (1.07kg)

L 5.4" (137mm)
 W 4.6" (156mm)
 H 1.3" (33mm)
 D 2.52" (64mm)
 THD M8 X 1.25

YAMAHA™**CM63D4525101**

+Z 1.19 (0.54kg)

L 3.3" (85mm)
 W 2.4" (62mm)
 H 1.3" (32mm)
 D 1.85" (47mm)

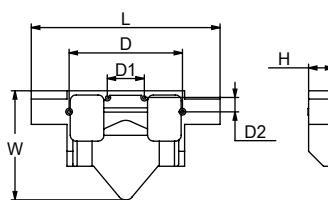
YAMAHA™**CM67C4525100****OUTBOARD**

+Z 0.26 (0.12kg)

L 1.36" (35mm)
 W 1" (25mm)
 H 0.93" (24mm)
 THD M8 X 1.25

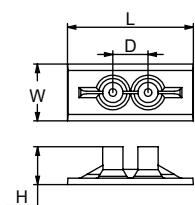
+A 0.12 (0.05kg)

+M 0.07 (0.03 kg)

YAMAHA™**CM6U04525100****YAMAHA TD IN OUTBOARDS**

+Z 3.3 (1.5kg)

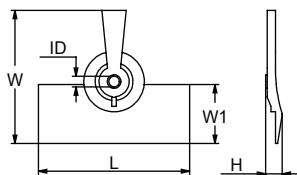
L 9" (230mm)
 W 5.1" (130mm)
 H 1.18" (30mm)
 D 5.75" (146mm)
 D1 1.37" (34.8mm)
 D2 1.06" (26.9mm)
 ID 0.26" (6.5mm)

YAMAHA™**CM6U44525100****YAMAHA TD IN OUTBOARDS**

+Z 0.6 (0.27kg)

L 3.9" (100mm)
 W 1.8" (45mm)
 H 1.26" (32mm)
 D 1.1" (28mm)
 ID 0.35" (9mm)

YAMAHA™

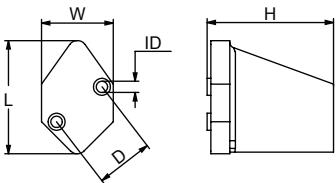


CM6G84525101 9.9 HP

+Z 0.44(0.2kg)

L 3.9' (100mm)
W 0.35" (8.8mm)
W1 1.46" (37mm)
H 0.79" (20mm)
ID 0.27" (6.8mm)

YAMAHA™

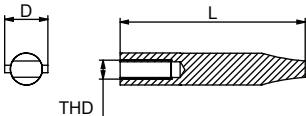


CM66M4537100 9.9 HP 4T

+Z 0.176 (0.08kg)

L 2.1" (53mm)
W 1.5" (38mm)
H 2.6" (65mm)
D 1.22" (31mm)
ID 0.28" (7mm)

YAMAHA™

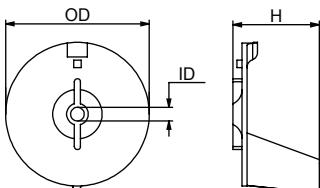


CM62Y1132500

+Z 0.035 (0.016kg) L 2" (50mm)
D 0.43" (11mm)
THD M5

Also apply to Parsun

YAMAHA™



CM67C4537100

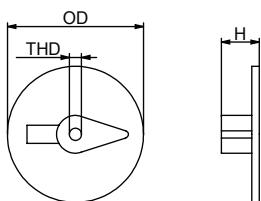
+Z 0.46 (0.21kg)

OD 3.7" (95mm)
ID 0.35" (9mm)
H 2.2" (57mm)

+A 0.2 (0.09kg)

+M 0.11 (0.05kg)

YAMAHA™

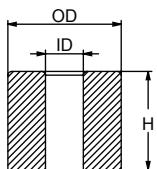


CM6E54537110

+Z 0.51 (0.23kg)

OD 3.5" (90mm)
H 0.87" (22mm)
THD M10 X 1.25

YAMAHA™

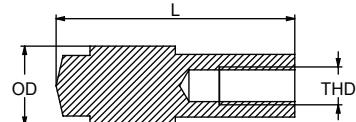


CM6G81132500

+Z 0.026 (0.012kg)

OD 0.54" (13.8mm)
ID 0.21" (5.4mm)
H 0.63" (16mm)

YAMAHA™



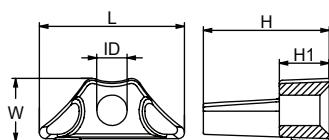
CM15008

- +Z 0.031 (0.014kg)
- +A 0.013 (0.006kg)
- +M 0.008 (0.0038kg)

66M-11325-00-00

L 1.3" (32mm)
OD 0.4" (11mm)
THD 0.2" (5mm)

YAMAHA™



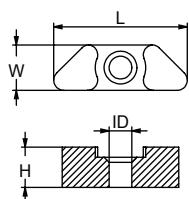
CM85007

- +Z 0.022 (0.01kg)
- +A 0.01 (0.004kg)
- +M 0.004 (0.002kg)

688-11325-00-00

L 0.9" (23mm)
W 0.4" (10mm)
H 0.8" (20mm)
H1 0.3" (8mm)
ID 0.2" (5mm)

YAMAHA™



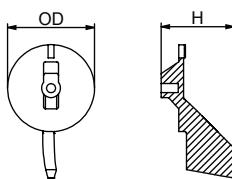
CM15026

- +Z 0.022 (0.01kg)
- +A 0.011 (0.005kg)
- +M 0.0066 (0.003kg)

6E5-11325-00-00

L 1.1" (27mm)
W 0.4" (9mm)
H 0.4" (10mm)
ID 0.2" (5mm)

YAMAHA™

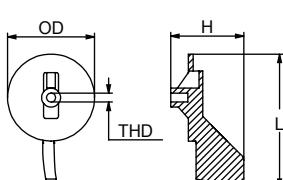


SGYA562

- +Z 0.87 (0.4kg)

OD 3.58" (91mm)
H 3" (76mm)
THD M10x1.25

YAMAHA™

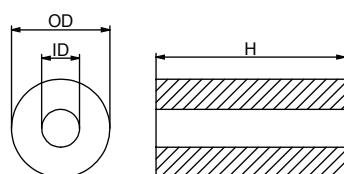


SGYA638

- +Z 1.14 (0.52kg)

OD 3.94" (100mm)
L 5.51" (140mm)
H 3.35" (85mm)
THD M10x1.25

YAMAHA™

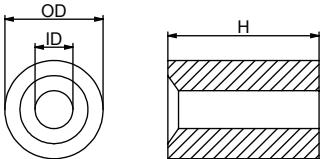


SGYA706

- +Z 0.04 (0.02kg)

OD 0.51" (13mm)
ID 0.2" (5mm)
H 1" (25mm)

YAMAHA™

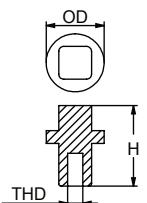


SGYA709

+Z 0.035 (0.016kg)

OD 0.51" (13mm)
ID 0.2" (5mm)
H 0.79" (20mm)

YAMAHA™

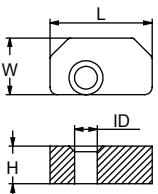


SGYA710

+Z 0.084 (0.038kg)

OD 0.9" (23mm)
H 1.26" (32mm)
THD M6

YAMAHA™

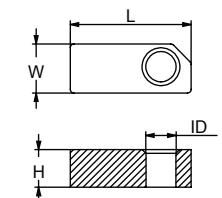


SGYA711

+Z 0.05 (0.022kg)

L 1.06" (27mm)
W 0.59" (15mm)
H 0.39" (10mm)
ID 0.28" (7mm)

YAMAHA™

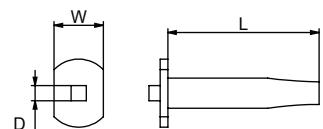


SGYA712

+Z 0.03 (0.014kg)

L 1.26" (32mm)
W 0.51" (13mm)
H 0.39" (10mm)
ID 0.28" (7mm)

YAMAHA™

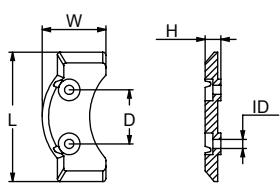


SGYA713

+Z 0.05 (0.022kg)

L 2.76" (70mm)
W 0.51" (13mm)
D 0.16" (4mm)

YAMAHA™

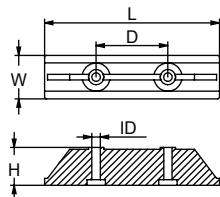


SGYA714

+Z 0.73 (0.33kg)

L 4.72" (120mm)
W 2.76" (70mm)
H 0.55" (14mm)
D 1.97" (50mm)
ID 0.33" (8.5mm)

YAMAHA™ KITS



SGYA715

+Z 1.51 (0.684kg)

L	7.28" (185mm)
W	1.81" (46mm)
H	1.3" (33mm)
D	3" (76mm)
ID	0.35" (9mm)

YAMAHA™ KITS



Part ID

CMY150KIT

+A

+M

1.28 (0.58kg)

0.89 (0.4kg)

Contains:

- CM6G54525101 X 1
- CM6J94537101 X 1

Fits Yamaha 150-200 HP Outboards

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

YAMAHA™ KITS



CMY150CRKIT

+A

+M

1.28 (0.58kg)

0.8 (0.36kg)

Contains:

- CM6G54525101 X 1
- CM6K14537102 X 1

Fits Yamaha 150-200 HP Outboards (Counter Rotation)

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

YAMAHA™ KITS



CMY200250KIT

+A

+M

1.39 (0.63kg)

0.97 (0.44kg)

Contains:

- CM6G54525101 X 1
- CM61A4537100 X 1

Fits Yamaha 200-250 HP Outboards

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

• All Anodes Required for 100% Protection

YAMAHA™ KITS



CMYHP200300KIT

+A

+M

1.3 (0.59kg)

0.85 (0.39kg)

Contains:

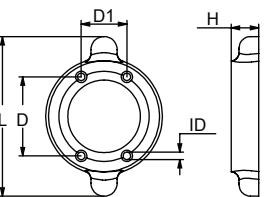
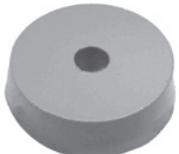
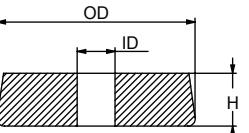
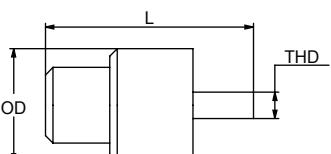
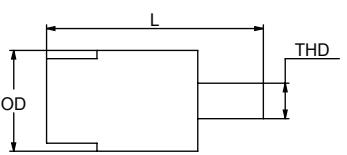
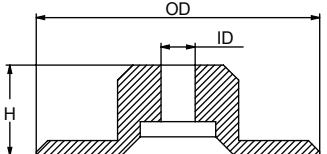
- CM6G54525101 X 1
- CM69L4537100 X 1

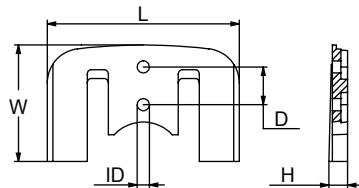
Fits Yamaha High Performance 200 - 300 HP Outboards

ALL KITS INCLUDE

- Fastening Hardware
- Installation Instructions

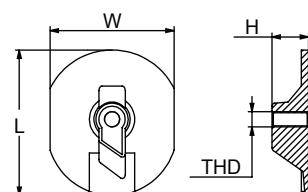
• All Anodes Required for 100% Protection

YANMAR™			CM19642002652	+Z 1.88 (0.85kg) L 5.8" (148mm) +A Not Available D 2.9" (73mm) +M 0.46 (0.21kg) D1 1.67" (42.3mm) ID 0.3" (7mm) H 0.26" (6.6mm)								
YANMAR™			SGMA015	70-85 HP +Z 0.44 (0.2kg) OD 2.1" (53mm) ID 0.39" (10mm) H 0.5" (14mm)								
YANMAR™			SGYN068 8-10 HP W/ THREADNSTEEL CORE	+Z 0.36 (0.165kg) L 2.2" (55mm) OD 1.2" (30mm) THD M8								
YANMAR™			SGYN069	W/ THREADNSTEEL CORE +Z 0.15 (0.07kg) L 1.7" (43mm) OD 0.8" (20mm) THD M8	SGYN224 +Z 0.1 (0.044kg) L 1.42" (36mm) OD 0.8" (20mm) THD M8							
YANMAR™			SGYN261	+Z 0.42 (0.19kg) OD 2.9" (75mm) ID 0.35" (9mm) H 0.9" (24mm)								
YANMAR™ KIT												
<table border="1"> <thead> <tr> <th>Part ID</th> <th>+Z</th> <th>+A</th> <th>+M</th> </tr> </thead> <tbody> <tr> <td>CM19644002660KIT</td> <td>0.8 (0.364kg)</td> <td>Not Available</td> <td>0.2 (0.095kg)</td> </tr> </tbody> </table>					Part ID	+Z	+A	+M	CM19644002660KIT	0.8 (0.364kg)	Not Available	0.2 (0.095kg)
Part ID	+Z	+A	+M									
CM19644002660KIT	0.8 (0.364kg)	Not Available	0.2 (0.095kg)									
Contains: -CM19644002660 X 1												
Fits Yanmar SD20, SD30, SD31, SD40 and SD50 Saildrives												

YANMAR™**SGYN245**

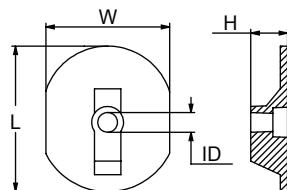
- +Z 2 (0.91kg)
+A Not Available
+M 0.49 (0.22kg)

L 7" (177.8mm)
W 4.25" (108mm)
D 1.375" (34.9mm)
ID 0.44" (11.2mm)
H 0.68" (17.3mm)

YANMAR™**SGYN744**

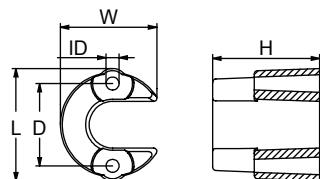
- +Z 0.68 (0.31kg)
+A Not Available
+M 0.15 (0.07kg)

L 3.79" (96.2mm)
W 3.23" (82mm)
H 0.96" (24.3mm)
THD M10X1.5

YANMAR™**SGYN745**

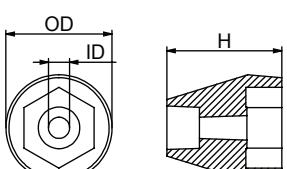
- +Z 0.64 (0.29kg)
+A Not Available
+M 0.15 (0.07kg)

L 3.79" (96.2mm)
W 3.23" (82mm)
H 0.96" (24.3mm)
ID 0.47" (12mm)

YANMAR™**SGYN746**

- +Z 0.64 (0.29kg)
+A Not Available
+M 0.15 (0.07kg)

L 2" (1mm)
W 1.7" (7mm)
H 1.95" (4mm)
D 1.5" (7mm)
ID 0.24" (6mm)

YANMAR™**SGYN747**

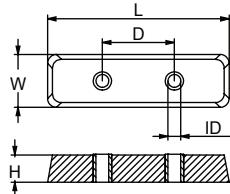
- +Z 1.13 (0.514kg)
+A Not Available
+M 0.28 (0.125kg)

OD 2.11" (53.5mm)
ID 0.44" (11.2mm)
H 2.39" (60.8mm)

YANMAR™

Part ID	+Z	+A	+M
SGYNZT350KIT	5.73 (2.6kg)	Not Available	1.38 (0.625kg)
Contains:			
-SGYN245 X 1	-SGYN745 X 1	-SGYN747 X 1	
-SGYN744 X1	-SGYN746 X 2		

BENNETT TRIM TAB™ ANODE

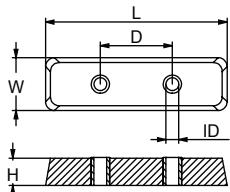
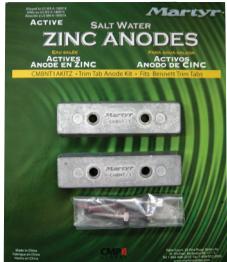


CMBNT1A

+Z	0.45 (0.2kg)	L 3.78" (96mm)
+A	0.17 (0.08kg)	W 1.1" (25mm)
+M	0.12 (0.05kg)	H 0.57" (14.5mm)

D 1.5" (38mm)
ID 0.26" (6.6mm)

BENNETT TRIM TAB™ ANODE KIT

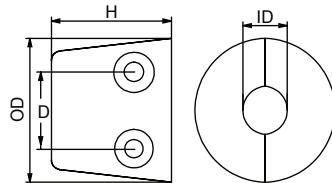


CMBNT1AKIT

+Z	1.20 (0.54kg)	L 3.78" (96mm)
+A	0.44 (0.2kg)	W 1.1" (25mm)
+M	0.32 (0.15kg)	H 0.57" (14.5mm)

D 1.5" (38mm)
ID 0.26" (6.6mm)

DE-ICER / AERATOR ANODE

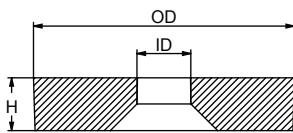


CMDEICER

+Z	0.335 (0.152kg)	OD 1.5" (38mm)
+A	0.148 (0.067kg)	ID 0.2" (5mm)
+M	0.1 (0.045kg)	D 0.8" (20mm)

H 1.26" (32mm)

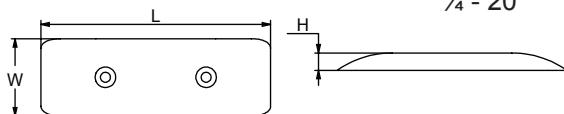
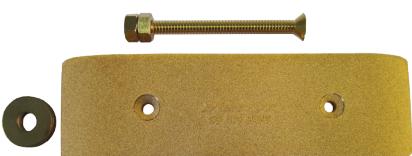
FRIGO-BOAT™ ANODE



CM51525

+Z	0.082 (0.037kg)	OD 1.36" (34.5mm)
+A	0.036 (0.016kg)	ID 0.28" (7mm)
+M	0.02 (0.009kg)	H 0.28" (7mm)

GROUNDING PLATES



10421419

3 (1.4kg)
L 6" (152mm)
W 2" (51mm)
H 0.5" (13mm)
Fasterner
1/4 - 20

10421420

5 (2.3kg)
L 8" (203mm)
W 2.5" (64mm)
H 0.5" (13mm)
Fasterner
1/4 - 20

10421421

7 (3.2kg)
L 12" (305mm)
W 3" (76mm)
H 0.5" (13mm)
Fasterner
1/4 - 20

10421422

13 (5.9kg)
L 18" (456mm)
W 6" (152mm)
H 0.5" (13mm)
Fasterner
3/8 - 16

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

LINE CUTTER ANODES

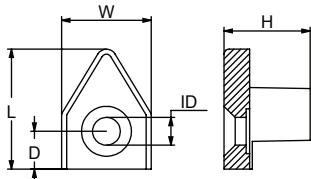


CMLCA Model A

+Z 0.035 (0.016kg)	L 0.9"(24mm)
+A 0.014 (0.006kg)	W 0.7"(18mm)
+M 0.009 (0.004kg)	H 0.7"(17mm)
	D 0.3"(7.5mm)
	ID 0.2"(5mm)

CMLCB Model B

+Z 0.035 (0.016kg)	L 0.9"(24mm)
+A 0.014 (0.006kg)	W 0.7"(18mm)
+M 0.009 (0.004kg)	H 0.7"(17mm)
	D 0.3"(7.5mm)
	ID 0.2"(5mm)



CMLCCDE Model C,D,E

+Z 0.097 (0.044kg)	L 1.2"(30mm)
+A 0.038 (0.017kg)	W 1"(26mm)
+M 0.024 (0.011kg)	H 1.2"(31mm)
	D 0.5"(12.8mm)
	ID 0.2"(5mm)

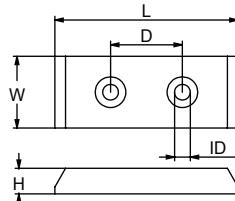
CMLCF1 Model F1

+Z 0.14 (0.06kg)	L 1.93"(49mm)
+A 0.055 (0.025kg)	W 1"(26mm)
+M 0.035 (0.016kg)	H 1.73"(44mm)
	D 1"(25.3mm)
	ID 0.2"(5mm)

SEA STRAINER ANODES



CMSZ12

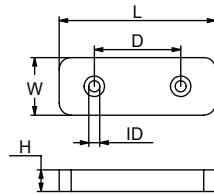


+Z 0.584 (0.265kg)	L 3.8" (97mm)
+A 0.229 (0.104kg)	W 1.5' (38mm)
+M 0.162 (0.073kg)	H 0.5" (13.5mm)
	D 1.5" (38mm)
	ID 0.32" (8.1mm)

SEA STRAINER ANODES

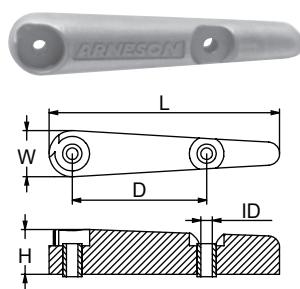


CM656934(DOKA)



+Z 0.35 (0.16kg)	L 3.25" (83mm)
+A 0.14 (0.06kg)	W 1.2" (30.5mm)
+M 0.097 (0.044kg)	H 0.45" (11.4mm)
	D 1.8" (45.7mm)
	ID 0.23" (5.8mm)

TWIN DISC™ ANODE



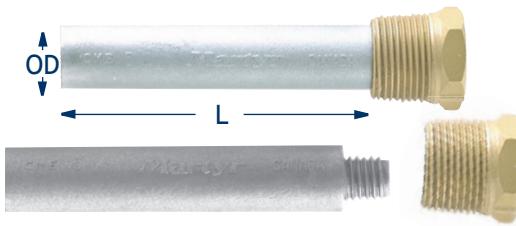
ARNSMALL

+Z 1.53(0.69kg)	L 6.125" (156mm)
+A 0.6 (0.27kg)	W 1.25" (32mm)
+M 0.43(0.195kg)	H 1.25" (32mm)
	D 3.5" (89mm)
	ID 0.3" (7.6mm)

ARNLARGE

+Z 4.16(1.89kg)	L 7.5" (191mm)
+A 1.63 (0.74kg)	W 1.875" (48mm)
+M 1.17 (0.53kg)	H 1.875" (48mm)
	D 5" (127mm)
	ID 0.4" (10.2mm)

ENGINE COOLING SYSTEM ANODES

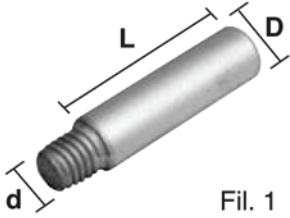
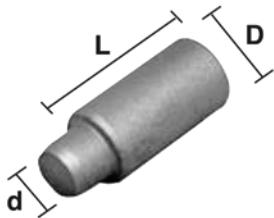


Part ID	NPT	+Z
BRASS PLUG REPLACEMENT		
CMEP00	1/8	0.022 0.01kg
CMEP0	1/4	0.05 0.02kg
CMEP1	3/8	0.11 0.05kg
CMEP2	1/2	0.15 0.07kg
CMEP3	3/4	0.22 0.1kg

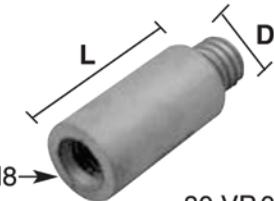
Part ID	L	OD	NPT	UNC	+Z
COMPLETE WITH BRASS PLUG					
CME-00	2" (51mm)	1/4" (6mm)	1/8	1/4	0.05 0.02kg
CME-0	1 3/4" (45mm)	3/8" (10mm)	1/4	5/16	0.09 0.04kg
CME-1	2" (45mm)	1/2" (13mm)	3/8	3/8	0.17 0.08kg
CME-1D	1 3/4" (45mm)	1/2" (13mm)	3/8	3/8	0.15 0.07kg
CME-1E	1 1/2" (38mm)	1/2" (13mm)	3/8	3/8	0.15 0.07kg
CME-1F	1 1/4" (32mm)	1/2" (13mm)	3/8	3/8	0.13 0.06kg
CME-1G	1" (25mm)	1/2" (13mm)	3/8	3/8	0.1 0.05kg
CME-1H	2" (51mm)	3/8" (10mm)	3/8	7/16	0.13 0.06kg
CME-2	2" (51mm)	5/8" (16mm)	1/2	7/16	0.29 0.13kg
CME-2S	1 1/2" (38mm)	5/8" (16mm)	1/2	7/16	0.22 0.1kg
CME-3	2" (51mm)	3/4" (19mm)	3/4	1/2	0.44 0.2kg
CME-3S	3/4" (19mm)	3/4" (19mm)	3/4	1/2	0.33 0.15kg
CME-4	3 3/8" (86mm)	3/4" (19mm)	3/4	1/2	0.62 0.28kg
CME-5	3 5/8" (92mm)	3/4" (19mm)	3/4	1/2	0.64 0.29kg
REPLACEMENT ANODES. BRASS PLUGS NOT INCLUDED.					
CMEZ00	2" (51mm)	1/4" (6mm)	1/8	-	0.022 0.01kg
CMEZ0	1 3/4" (45mm)	3/8" (10mm)	1/4	-	0.05 0.02kg
CMEZ1	2" (45mm)	1/2" (13mm)	3/8	-	0.11 0.05kg
CMEZ1D	1 3/4" (45mm)	1/2" (13mm)	3/8	-	0.067 0.03kg
CMEZ1E	1 1/2" (38mm)	1/2" (13mm)	3/8	-	0.09 0.04kg
CMEZ1F	1 1/4" (32mm)	1/2" (13mm)	3/8	-	0.07 0.032kg
CMEZ1G	1" (25mm)	1/2" (13mm)	3/8	-	0.06 0.027kg
CMEZ1H	2" (51mm)	3/8" (10mm)	3/8	-	0.067 0.03kg
CMEZ2	2" (51mm)	5/8" (16mm)	1/2	-	0.15 0.07kg
CMEZ2S	1 1/2" (38mm)	5/8" (16mm)	1/2	-	0.13 0.06kg
CMEZ3	2" (51mm)	3/4" (19mm)	3/4	-	0.22 0.1kg
CMEZ3S	3/4" (19mm)	3/4" (19mm)	3/4	-	0.17 0.08kg
CMEZ4	3 3/8" (86mm)	3/4" (19mm)	3/4	-	0.38 0.173kg
CMEZ5	3 5/8" (92mm)	3/4" (19mm)	3/4	-	0.41 0.188kg
COMPLETE WITH BRASS PLUG					
CM272100200 Yanmar	5 1/64" (128mm)	3/4" (19mm)	1/8	8mm	0.44 0.2kg
CM272100-200300 Yanmar	1 1/8" (29mm)	3/4" (19mm)	3/8	8mm	0.16 0.07kg
CM8515842 GM	1 1/2" (64mm)	3/4" (19mm)	3/4	5/8 WHIT	0.15 0.07kg
CM8515850Z	4" (102mm)	11/32" (9mm)	3/4	5/8 WHIT	0.11 0.05kg
CM6L2283 Caterpillar	2 1/4" (57mm)	25/64" (10mm)	1/4	1/4 WHIT	0.11 0.05kg
CM6L2288 Caterpillar	2 1/2" (63mm)	25/64" (10mm)	1/4	1/4 WHIT	0.11 0.05kg
CM6L2016 Caterpillar	3/4" (19mm)	7/8" (22mm)	3/4	5/8 WHIT	0.5 0.23kg
CME2BSP	2" (51mm)	5/8" (16mm)	1/2 BSP	7/16	0.28 0.13kg
CME3BSP	2" (51mm)	3/4" (19mm)	3/4 BSP	1/2	0.46 0.21kg
CME0A	2 1/2" (63mm)	3/8" (10mm)	1/4	5/16	0.12 0.05kg
CME2B	3" (76mm)	5/8" (16mm)	1/2	7/16	0.5 0.226kg



Fil. 2



Fil. 1

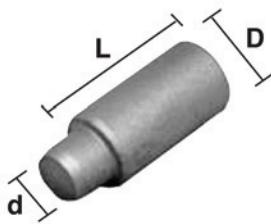


80.VP.056

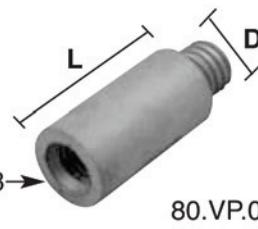
Motore	Cod.	Tipo	Dimensione	Motore	Cod.	Tipo	Dimensione
AIFO	80.AF.405	solo anodo	D=14 L=26 d=10	CATERPILLAR	80.CA.470	solo anodo	D=14 L=26 d=12
AIFO	80.AF.395	anodo+tappo	D=14 L=26 Fil. 2 18x1,5	CATERPILLAR	80.CA.471	solo anodo	D=32 L=54 Fil. 1 3/4" W
AIFO	30.MP.473	solo tappo	Fil. 2 18x1,5	CATERPILLAR	80.CA.472	solo anodo	D=14 L=33 Fil. 1 5/16" W
AIFO	80.AF.406	solo anodo	D=20 L=20 d=14	CATERPILLAR	80.CA.473	solo anodo	D=12 L=38 Fil. 1 7/16" UNF
AIFO	80.AF.396	anodo+tappo	D=20 L=20 Fil. 2 28x1,5	CATERPILLAR	80.CA.474	anodo+tappo	D=12 L=38 Fil. 2 3/8" NPT
AIFO	30.MP.474	solo tappo	Fil. 2 28x1,5	CATERPILLAR	30.MP.479	solo tappo	Fil. 2 3/8" NPT
AIFO	80.AF.407	solo anodo	D=9 L=20 d=4,5	CATERPILLAR	80.CA.475	solo anodo	D=12 L=30 Fil. 1 3/8" W
AIFO	80.AF.397	anodo+tappo	D=9 L=20 Fil. 2 12x1,5	CATERPILLAR	80.CA.476	anodo+tappo	D=12 L=30 Fil. 2 3/8 NPT
AIFO	30.MP.475	solo tappo	Fil. 2 12x1,5	CATERPILLAR	30.MP.450	solo tappo	Fil. 2 3/8 NPT
AIFO	80.AF.408	solo anodo	D=10 L=18 d=7	CUMMINS	80.CU.489	solo anodo	D=16 L=50 d=12
AIFO	80.AF.398	anodo+tappo	D=10 L=18 Fil. 2 12x1,5	CUMMINS	80.CU.222	anodo+tappo	D=16 L=50 Fil. 2 1/2" NPT
AIFO	30.MP.476	solo tappo	Fil. 2 12x1,5	CUMMINS	30.MP.481	solo tappo	Fil. 2 1/2" NPT
AIFO	80.AF.409	solo anodo	D=7 L=20 d=5	CUMMINS	80.CU.489F	solo anodo	D=16 L=50 Fil. 1 7/16 W
AIFO	80.AF.399	anodo+tappo	D=7 L=20 Fil. 2 10x1,25	CUMMINS	80.CU.731	anodo+tappo	D=16 L=50 Fil. 2 1/2" NPT
AIFO	30.MP.477	solo tappo	Fil. 2 10x1,25	CUMMINS	80.CU.477	solo anodo	D=18 L=65 Fil. 1 16 MA
BMW	80.CA.003	solo anodo	D=12 L=41 Fil. 1 3/8" W	CUMMINS	80.CU.478	solo anodo	D=16 L=45 Fil. 1 3/8" W
BMW	80.CA.413	anodo+tappo	D=12 L=41 Fil. 2 3/8" NPT	CUMMINS	80.CU.479	solo anodo	D=10 L=20 Fil. 1 6MA
BMW	30.MP.450	solo tappo	Fil. 2 3/8" NPT	CUMMINS	80.CU.480	anodo+tappo	D=10 L=20 Fil. 2 3/8" GAS
BAUDOUIN	80.BD.381	solo anodo	D=20 L=45 Fil. 1 8x1,25	FORD	80.FO.415	solo anodo	D=10 L=18 d=8,5
BAUDOUIN	80.BD.380	anodo+tappo	D=20 L=45 Fil. 2 24x1,5	FORD	80.FO.427	anodo+tappo	D=10 L=18 Fil. 2 1/4" NPT
BAUDOUIN	30.MP.480	solo tappo	Fil. 2 24x1,5	FORD	30.MP.486	solo tappo	Fil. 2 1/4" NPT
BUKH	80.BK.263	solo anodo	D=12 L=35 Fil. 1 M5	FORD	80.FO.494	solo anodo	D=13 L=32 d=9
BUKH	80.BK.264	solo anodo	D=12 L=40 Fil. 1 3/8" UNC	GENERAL MOTORS	80.GM.010	solo anodo	D=16 L=40 Fil. 1 7/16" W
CATERPILLAR	80.CA.003	solo anodo	D=12 L=41 Fil. 1 3/8" W	GENERAL MOTORS	80.GM.276	anodo+tappo	D=16 L=40 Fil. 2 1/2" NPT
CATERPILLAR	80.CA.413	anodo+tappo	D=12 L=41 Fil. 2 3/8" NPT	GENERAL MOTORS	80.GM.011	solo anodo	D=20 L=80 Fil. 1 5/8" W
CATERPILLAR	30.MP.450	solo tappo	Fil. 2 3/8" NPT	GENERAL MOTORS	80.GM.431	anodo+tappo	D=20 L=80 Fil. 2 3/4" NPT
CATERPILLAR	80.CA.004	solo anodo	D=16 L=64 Fil. 1 3/8" W	GENERAL MOTORS	80.GM.495	solo anodo	D=13 L=40 Fil. 1 3/8" W
CATERPILLAR	80.CA.461	anodo+tappo	D=16 L=64 Fil. 2 1/2" NPT	GENERAL MOTORS	80.GM.277	solo anodo	D=15 L=50 Fil. 1 7/16" W
CATERPILLAR	30.MP.414	solo tappo	Fil. 2 1/2" NPT	ISOTTA FRASCHINI	80.IF.481	solo anodo	D=20 L=34 Fil. 1 18x1,5
CATERPILLAR	80.CA.005	solo anodo	D=16 L=76 Fil. 1 3/8" W	ISOTTA FRASCHINI	80.IF.482	anodo+tappo	D=20 L=34 Fil. 2 24x1,5
CATERPILLAR	80.CA.429	anodo+tappo	D=16 L=76 Fil. 2 1/2" NPT	ISOTTA FRASCHINI	30.MP.482	solo tappo	Fil. 2 24x1,5
CATERPILLAR	30.MP.414	solo tappo	Fil. 2 1/2" NPT	MPM	80.MP.045	solo anodo	D=13 L=48 Fil. 1 3/8"
CATERPILLAR	80.CA.047	solo anodo	D=10 L=55 Fil. 1 1/4" W	NANNI	80.NN.490	solo anodo	D=10 L=20 d=8
CATERPILLAR	80.CA.430	anodo+tappo	D=10 L=55 Fil. 2 1/4" NPT	NANNI	80.NN.052	anodo+tappo	D=10 L=20 Fil. 2 16x1,5
CATERPILLAR	30.MP.415	solo tappo	Fil. 2 1/4" NPT	NANNI	30.MP.434	solo tappo	Fil. 2 16x1,5
CATERPILLAR	80.CA.055	solo anodo	D=22 L=20 Fil. 1 5/8" UNF	NANNI	80.NN.492	solo anodo	D=25 L=25 d=22
CATERPILLAR	80.CA.468	anodo+tappo	D=22 L=20 Fil. 2 3/4" NPT	NANNI	80.NN.491	anodo+tappo	D=25 L=25 Fil. 2 30x1,5
CATERPILLAR	30.MP.478	solo tappo	Fil. 2 3/4" NPT	NANNI	30.MP.487	solo tappo	Fil. 2 30x1,5
CATERPILLAR	80.CA.469	solo anodo	D=10 L=38 Fil. 1 1/4" W	ONAN	80.ON.432	solo anodo	D=10 L=30 d=8



Fil. 2



Fil. 1



80.VP.056

Motore	Cod.	Tipo	Dimensione	Motore	Cod.	Tipo	Dimensione
ONAN	80.ON.496	anodo+tappo	D=10 L=30 Fil. 2 3/8" NPT	VM	30.MP.484	solo tappo	Fil. 2 18x1,5
ONAN	30.MP.489	solo tappo	Fil. 2 3/8" NPT	VM	80.VM.487	solo anodo	D=14 L=20 Fil. 1 10 MA
ONAN	80.ON.433	solo anodo	D=13 L=26 d=9,5	VM	80.VM.719	anodo+tappo	D=14 L=20 Fil. 2 18x1,5
ONAN	80.ON.434	solo anodo	D=11 L=31 Fil. 1 M8	VOLVO PENTA	80.GM.010	solo anodo	D=16 L=40 Fil. 1 7/16" W
ONAN	80.ON.483	anodo+tappo	D=11 L=31 Fil. 2 3/8" NPT	VOLVO PENTA	80.VP.056	solo anodo	D=16 L=30 Fil. 1 7/16" W
ONAN	30.MP.483	solo tappo	Fil. 2 3/8" NPT	VOLVO PENTA	80.VP.056A	solo anodo	D=16 L=30 Fil. 1 7/16" W
RENAULT	80.RE.493	solo anodo	D=15 L=20 d=12	VOLVO PENTA	80.VP.056M	solo anodo	D=16 L=30 Fil. 1 7/16" W
RENAULT	80.RE.039	anodo+tappo	D=15 L=20 Fil. 2 18x1,5	VOLVO PENTA	80.VP.058	solo anodo	D=16 L=30 Fil. 1 7/16" W
RENAULT	30.MP.488	solo tappo	Fil. 2 18x1,5	VOLVO PENTA	80.VP.223	solo anodo	D=25 L=47 Fil. 1 3/8" W
RENAULT	80.RE.225	anodo+tappo	D=11 L=30 Fil. 2 3/8 conico	VOLVO PENTA	80.VP.223A	solo anodo	D=25 L=47 Fil. 1 3/8" W
SCANIA	80.SC.484	solo anodo	D=16 L=45 Fil. 1 12x1,0	VOLVO PENTA	80.VP.223M	solo anodo	D=25 L=47 Fil. 1 3/8" W
VM	80.VM.410	solo anodo	D=14 L=40 Fil. 1 8 MA	VOLVO PENTA	80.VP.488	solo anodo	D=16,5 L=20 Fil. 1 5/16" W
VM	80.VM.485	anodo+tappo	D=14 L=40 Fil. 2 18x1,5	YANMAR	80.YN.068	solo anodo	D=30 L=55 Fil. 1 M8
VM	30.MP.484	solo tappo	Fil. 2 18x1,5	YANMAR	80.YN.069	solo anodo	D=20 L=43 Fil. 1 M8
VM	80.VM.411	solo anodo	D=14 L=20 Fil. 1 8 MA	YANMAR	80.YN.069T	anodo+tappo	D=20 L=43 Fil. 2 1/8W
VM	80.VM.486	anodo+tappo	D=14 L=20 Fil. 2 18x1,5	YANMAR	80.YN.224	solo anodo	D=20 L=40 Fil. 1 M8
				YANMAR	80.YN.224T	anodo+tappo	D=20 L=40 Fil. 2 3/8W

Performance - Martyr I & Martyr II Anodes

SPECIFICATIONS	MARTYR I ZINC ANODES	MARTYR II ALUMINUM ANODES
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 SO ₄)	-1050mV	-1100mV

Composition - Martyr I & Martyr II Anodes

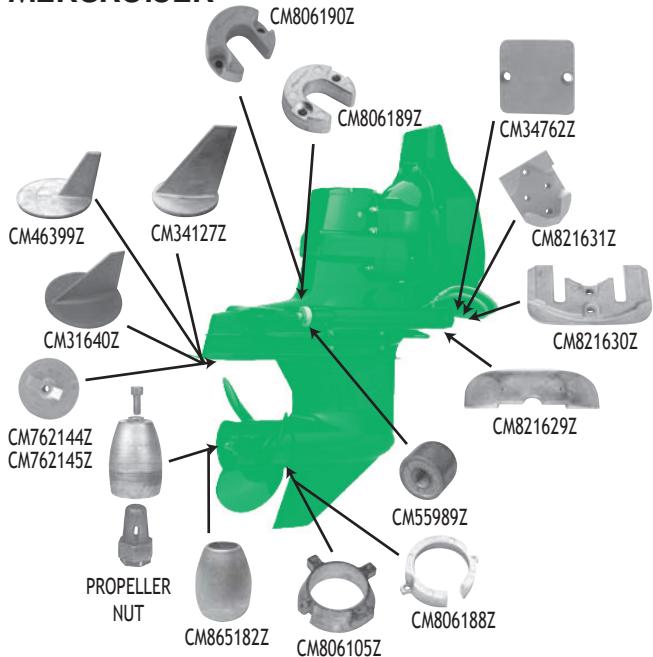
COMPOSITION	U.S. Military Specification* MIL-A-18001K Martyr I Zinc Alloy	U.S. Military Specification* MIL-A-24779(SH) Martyr II Aluminum Alloy
Cadmium	0.025% - 0.07%	-
Copper	0.005% Max.	0.004% Max.
Iron	0.005% Max.	0.090% Max.
Indium	-	0.014% - 0.020%
Lead	0.006% Max.	-
Silicon	-	0.08% - 0.20%
Aluminum	0.1% - 0.5%	Remainder
Zinc**	Remainder	4.0% - 6.5%

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

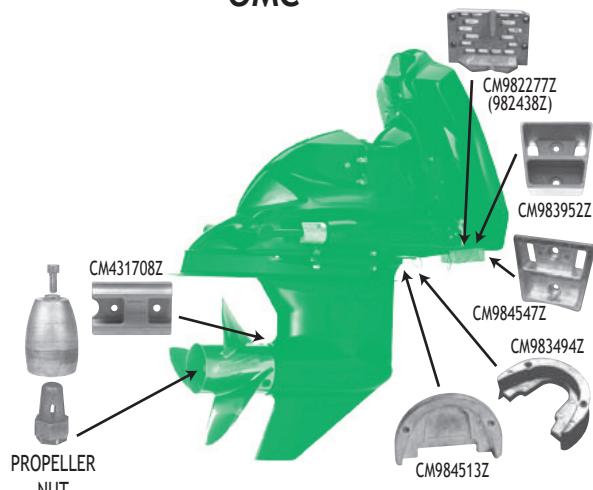
Comparison between Martyr I & Martyr II Anodes

Martyr I (Zinc Anodes)	Martyr II (Aluminum Anodes)
<p>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</p> <p>Take a typical CMZ03BZ (weight=4.68 kg) as seen on page 100 Total ampere hours 3655 Assuming the anode performs at 0.5 amp This anode will last for 7310 hours Which is 305 days Which is 10 months</p>	<p>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</p> <p>Take a typical CMZ03BA (weight = 2.7 kg) as seen on page 100 Total ampere hours 7277 Assuming the anode performs at 0.5 amp This anode will last for 14554 hours Which is 606 days Which is 20 months</p>

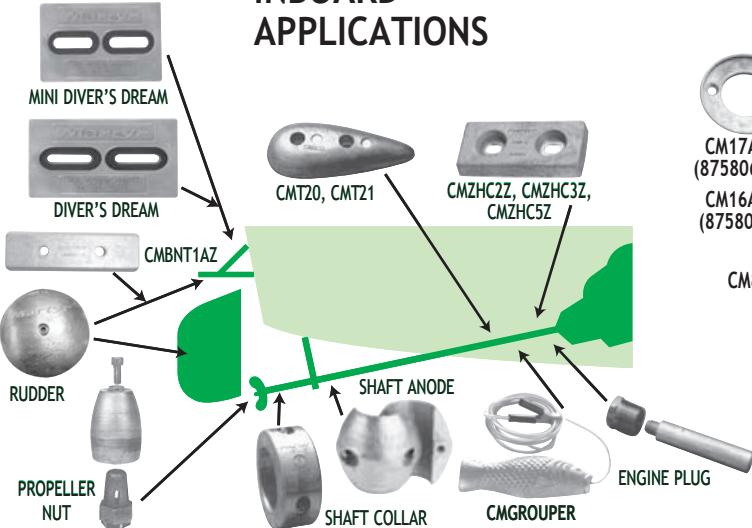
MERCRAUISER



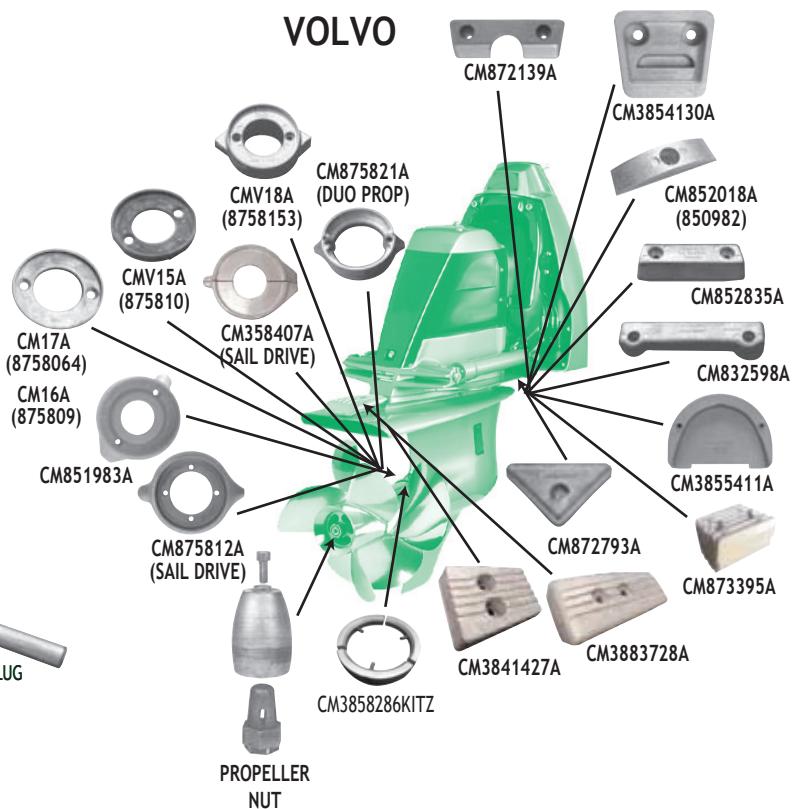
OMC



INBOARD APPLICATIONS



VOLVO



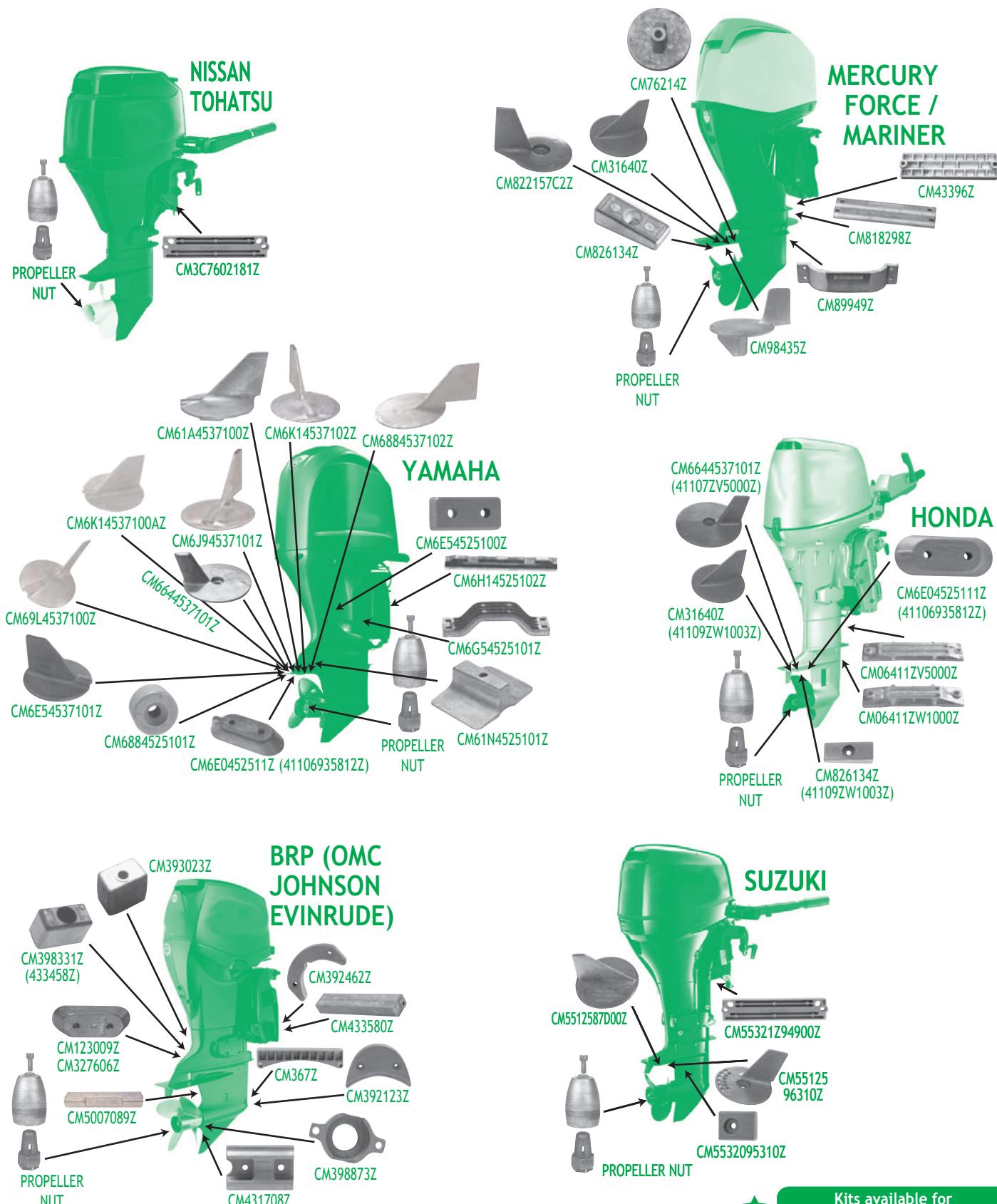
Kits available for
Mercury & Volvo



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.

www.martyranodes.com

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

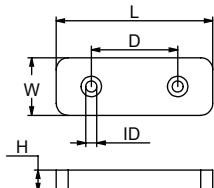
www.martyranodes.com

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

Commercial Hull Anodes

Protective backing available for better performance. Please check for details when ordering.

BOLT-ON

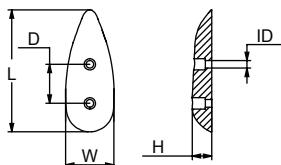
**CM656934 (DOKA)**

+Z 0.35 (0.16 kg)

L 3.25" (83mm)
W 1.2" (30.5mm)
H 0.45" (11.4mm)
D 1.8" (45.7mm)
ID 0.23" (5.8mm)

+A 0.14 (0.06 kg)

BOLT-ON

**CMT20**

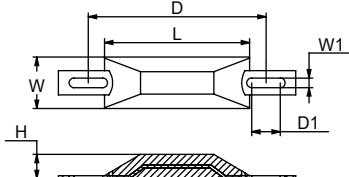
+Z 0.38 (0.17 kg)

L 3.4" (86mm)
W 1.8" (46mm)
H 0.6" (15mm)
D 1.28" (32.5mm)
ID 0.25" (6.4mm)

+A 0.15 (0.07 kg)

+M 0.1 (0.045kg)

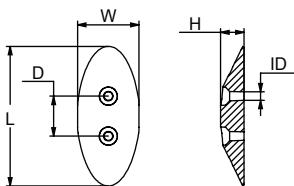
COMBINATION

**CM200**

+Z 0.44 (0.2 kg)

L 3.78" (96mm)
W 1.33" (34mm)
W1 0.25" (6.4mm)
H 0.63" (16mm)
D 4.6" (117mm)
D1 0.75" (19mm)

BOLT-ON

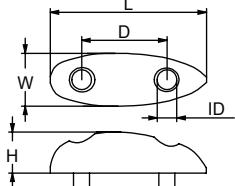
**CMM24**

+Z 0.65 (0.29 kg)

L 4.36" (111mm)
W 1.92" (49mm)
H 0.7" (18mm)
D 1.25" (31.8mm)
ID 0.25" (6.4mm)

+A 0.3 (0.15 kg)

BOLT-ON

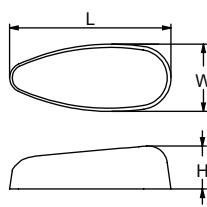
**CMZ12**

+Z 0.53 (0.24 kg)

L 3.625" (93mm)
W 1.25" (32mm)
H 1" (24mm)
D 2" (51mm)
ID 0.26" (6.6mm)

+A 0.22 (0.09 kg)

BOLT-ON

**CM335**

+Z 0.71 (0.32 kg)

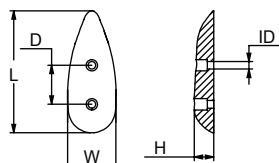
L 3.35" (85mm)
W 1.4" (35.6mm)
H 0.93" (23.6mm)

+A 0.28 (0.13 kg)

*Bolt holes can be added on straps as required.



BOLT-ON

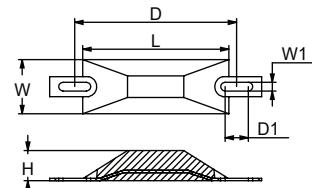
**CMT21**

- +Z 1 (0.45 kg)
- +A 0.39 (0.18 kg)
- +M 0.3 (0.15 kg)

L	5.1" (129mm)
W	2" (51mm)
H	0.83" (21mm)
D	1.625" (41.3mm)
ID	0.31" (8mm)



COMBINATION

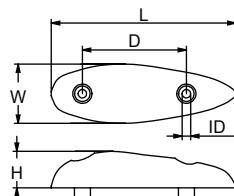
**CM500**

- +Z 1.1 (0.5 kg)

L	4.5" (116mm)
W	1.69" (43mm)
W1	0.26" (6.5mm)
H	1" (24mm)
D	5" (128mm)
D1	0.75" (19mm)



BOLT-ON

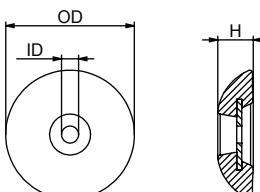
**CMZ13**

- +Z 1.5 (0.7 kg)
- +A 0.65 (0.3 kg)

L	5.75" (145mm)
W	1.84" (46.7mm)
H	1.14" (29mm)
D	3.25" (82.5mm)
ID	0.26" (6.6mm)



BOLT-ON

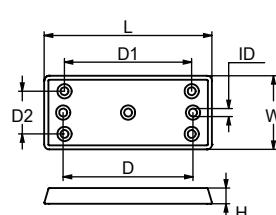
**CMZD56**

- +Z 1.9 (0.86 kg)

OD	4" (102mm)
ID	0.53" (13.5mm)
H	1.1" (28mm)



BOLT-ON

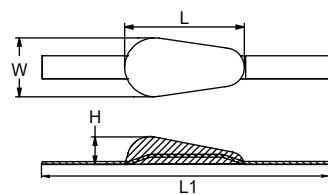
**CMM30**

- +Z 1.9 (0.86 kg)
- +A 0.74 (0.34 kg)

L	6" (152mm)
W	2.67" (68mm)
H	0.56" (14mm)
D	4.75" (120.7mm)
D1	4.625" (117.5mm)
D2	1.58" (40mm)
ID	0.25" (6.4mm)



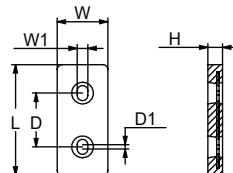
WELD-ON

**CM35G**

- +Z 2 (0.9 kg)
- +A 0.8 (0.4 kg)

L	5" (127mm)
L1	12" (305mm)
W	2.4" (61mm)
H	1.16" (29.5mm)

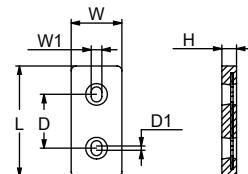
BOLT-ON

**CMZHC3A**

+Z 2 (0.9 kg)

+A 0.78 (0.35 kg)

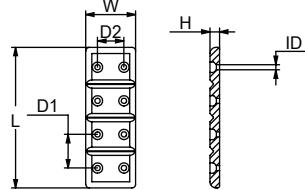
L 6.25" (159mm)
 W 2.75" (70mm)
 W1 0.54" (13.7mm)
 H 0.75" (19mm)
 D 2.57" (65.3mm)
 D1 0.57" (14.5mm)

**CMZHC2A**

+Z 2.07 (0.94kg)

+A 0.8 (0.37kg)

L 5.75" (146mm)
 W 2.65" (67mm)
 W1 0.5" (12.7mm)
 H 0.75" (19mm)
 D 2.78" (70.6mm)
 D1 0.25" (6.4mm)

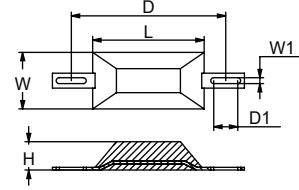
**CMM40**

+Z 2.08 (0.95kg)

+A 0.81 (0.37kg)

L 7.3" (186mm)
 W 2.6" (66mm)
 H 0.5" (13mm)
 D1 1.75" (44.5mm)
 D2 1.375" (35mm)
 ID 0.28" (7mm)

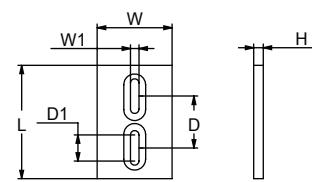
BOLT-ON

**CM1000**

+Z 2.2 (1 kg)

L 4.125" (118mm)
 W 2.25" (60mm)
 W1 0.25" (6.4mm)
 H 1.18" (30mm)
 D 6.38" (162mm)
 D1 1" (25.4mm)

COMBINATION

**CMDIVERMINI**

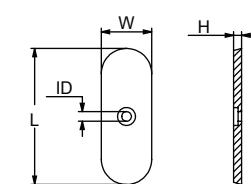
+Z 2.25 (1.02kg)

+A 0.87 (0.4kg)

+M 0.68 (0.31kg)

L 5.9" (150mm)
 W 3.9" (99mm)
 W1 0.44" (11.2mm)
 H 0.5" (13mm)
 D 2.7" (68.6mm)
 D1 1.36" (34.5mm)

BOLT-ON

**CMN1**

+Z 2.6 (1.19kg)

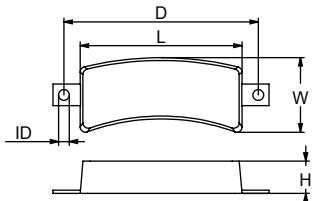
+A 1.01 (0.46kg)

L 8.5" (216mm)
 W 3.16" (80mm)
 H 0.5" (13mm)
 ID 0.41" (10.3mm)

BOLT-ON

**Bolt holes can be added on straps as required.*

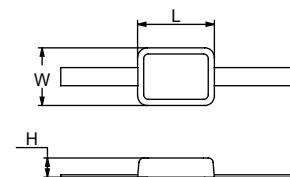
COMBINATION

**CMH18B**

+Z 2.9 (1.32kg)

L 6" (150mm)
W 2.75" (69mm)
H 1.19" (30mm)
D 7" (180mm)
ID 0.375" (10mm)

WELD-ON

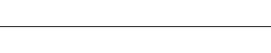
**CM2431G**

+Z 3.08 (1.4kg)

L 4" (101.6mm)
W 3" (76.2mm)
H 1" (25mm)

+A 1.3 (0.6kg)

WELD-ON

**CMZ06***

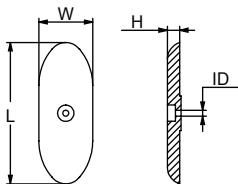
+Z 3.08 (1.4kg)

L 5" (127mm)
W 2.5" (64mm)
H 1" (25mm)

+A 1.3 (0.6kg)

*Available in either steel or aluminum weld-on straps

BOLT-ON

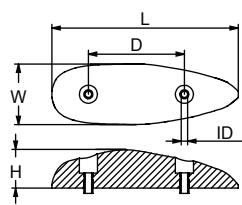
**CMMZ404**

+Z 3.42 (1.55kg)

L 8.8" (224mm)
W 3.375" (86mm)
H 0.75" (19mm)
ID 0.375" (9.5mm)

+A 1.33 (0.6kg)

BOLT-ON

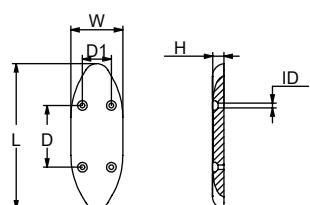
**CMZ14**

+Z 3.65 (1.66kg)

L 7.75" (197mm)
W 2.5" (63.5mm)
H 1.5" (38mm)
D 4" (101mm)
ID 0.26" (6.6mm)

+A 1.5 (0.68kg)

BOLT-ON

**CMM25**

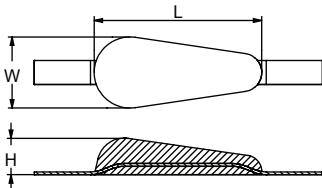
+Z 3.92 (1.78kg)

L 9.1" (231mm)
W 3.25" (83mm)
H 0.72" (18mm)
D 3.86" (98mm)
D1 1.81" (46mm)
ID 0.29" (7.4mm)

+A 1.52 (0.69kg)

*Bolt holes can be added on straps as required.

WELD-ON

**CM37G**

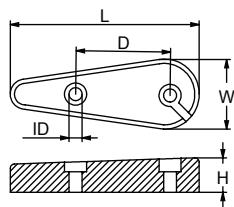
+Z 4 (1.8kg)

L 7" (178mm)

W 3" (76.2mm)

+A 1.7 (0.8kg)

H 1.5" (38mm)

**CMARCHN**

+Z 4 (1.8kg)

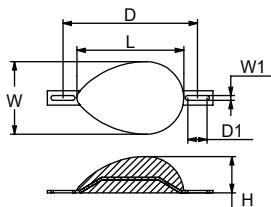
L 6.9" (175mm)

W 2.5" (65mm)

H 1.3" (32mm)

D 3.44" (87.5mm)

ID 0.47" (12mm)

**CM2000**

+Z 4.4 (2kg)

L 5.55" (141mm)

W 3.78" (96mm)

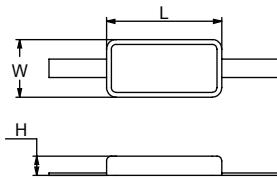
W1 0.25" (6.4mm)

H 1.9" (48mm)

D 7.24" (184mm)

D1 0.75" (19mm)

COMBINATION

**CM2631G**

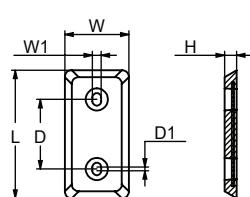
+Z 4.5 (2kg)

L 6" (152mm)

W 3" (76mm)

H 1" (25mm)

+A 1.9 (0.9kg)

**CMZHC5A**

+Z 4.5 (2kg)

L 8" (203mm)

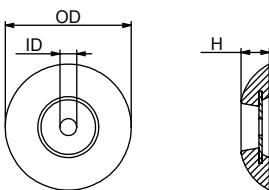
W 4" (102mm)

W1 0.55" (14mm)

H 0.76" (19mm)

D 4.35" (110mm)

D1 0.23" (5.8mm)

**CMZD58**

+Z 4.84 (2.2 kg)

OD 5.9" (150mm)

ID 0.79" (20mm)

H 1.34" (34mm)

+A 1.98 (0.9 kg)

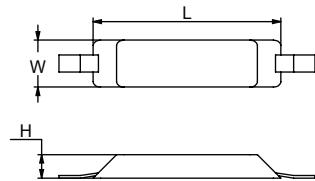
BOLT-ON

WELD-ON

WELD-ON

BOLT-ON

*Bolt holes can be added on straps as required.



WELD-ON

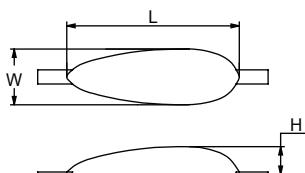
CMZC5*

+Z 4.85 (2.2kg)

+A 1.98 (0.9kg)

L 8.8" (224mm)
W 2.2" (56mm)
H 1.1" (28mm)

*Available in either steel or aluminum weld-on straps



WELD-ON

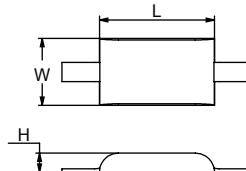
CMZTS*

+Z 5 (2.27kg)

+A 2.1 (0.95kg)

L 9" (229mm)
W 3" (76mm)
H 1.5" (38mm)

*Available in either steel or aluminum weld-on straps



WELD-ON

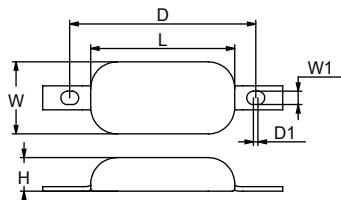
CMZ04*

+Z 5.07 (2.3kg)

+A 2.1 (1kg)

L 6" (152mm)
W 3.5" (89mm)
H 1" (25mm)

*Available in either steel or aluminum weld-on straps

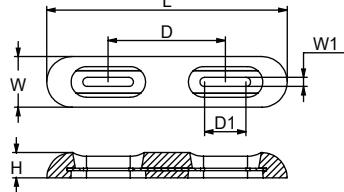


COMBINATION

CMHT1

+Z 5.1 (2.3kg)

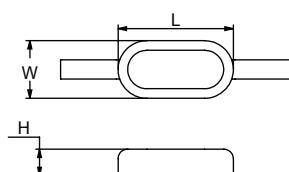
+A 2.3 (1.04kg)

L 6" (152mm)
W 3" (76mm)
W1 0.56" (14.2mm)
H 1.4" (36mm)
D 7.75" (197mm)
D1 0.19" (4.8mm)

BOLT-ON

CMZD77EURO

+Z 5.29 (2.4kg)

L 12.5" (318mm)
W 2.6" (67mm)
W1 0.47" (12mm)
H 1.3" (34mm)
D 6.1" (155mm)
D1 2.17" (55mm)

WELD-ON

CM273125G

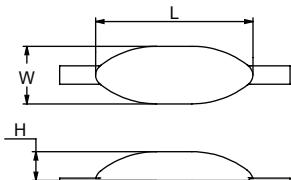
+Z 5.5 (2.5kg)

+A 2.2 (1kg)

L 6" (152mm)
W 3" (76mm)
H 1.38" (35mm)

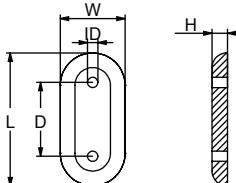
*Bolt holes can be added on straps as required.

WELD-ON



CM39315G

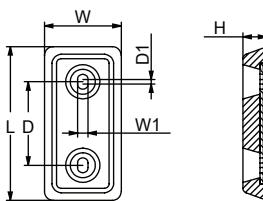
+Z	5.5 (2.5kg)	L	8.2" (208mm)
+A	2.2 (1kg)	W	3" (76mm)
		H	1.5" (38mm)



CMMZC406

+Z	6.75 (3.07kg)	L	9" (229mm)
+A	2.62 (1.19kg)	W	4.4" (112mm)
		H	1" (25mm)
+M	0.55 (0.25kg)	D	5" (127mm)
		ID	0.5" (12.7mm)

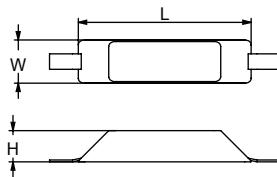
BOLT-ON



CMZHC06GB

+Z	6.8 (3.1kg)	L	8" (203mm)
+A	2.9 (1.3kg)	W	4" (101mm)
		W1	0.55" (14mm)
		H	1.25" (32mm)
		D	4.35" (110.5mm)
		D1	0.23" (5.8mm)

BOLT-ON

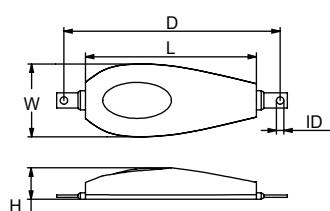


CMZC7*

+Z	7 (3.15kg)	L	9" (228mm)
+A	3 (1.35kg)	W	2.25" (57mm)
		H	1.625" (41mm)

*Available in either steel or aluminum weld-on straps

WELD-ON



CMMGJRG

+M	2 (0.91kg)	L	8.9" (226mm)
		W	3.75" (96mm)
		H	1.5" (40mm)
		D	11.25" (286mm)
		ID	0.375" (10mm)

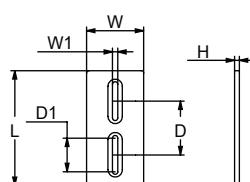
COMBINATION

(With Plastisol Coating)

BOLT-ON



Aluminum version now available in packaged kit with all hardware included. Part ID: CMDIVERBOND

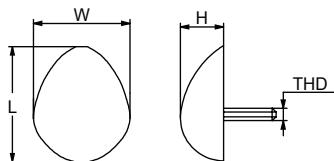


CMDIVER

+Z	8 (3.6kg)	L	12" (305mm)
+A	3.25 (1.48kg)	W	6" (152mm)
		W1	0.5" (13mm)
+M	2.5 (1.14kg)	H	0.5" (13mm)

D	5.5" (139.7mm)
D1	3.5" (88.9mm)

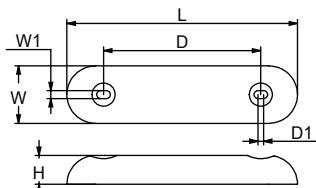
*Bolt holes can be added on straps as required.



CM36BSS

+Z	8.75 (3.97kg)	L	6" (152mm)
+A	3.5 (1.6kg)	W	5" (127mm)
		H	2.25" (57mm)
		THD	¾-16 NC

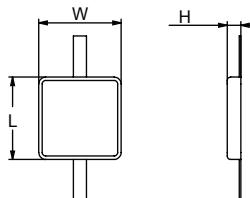
BOLT-ON



CMZD78B

+Z	9 (4kg)	L	12" (305mm)
		W	3" (76mm)
		W1	0.39" (10mm)
		H	1.5" (38mm)
		D	8.19" (208mm)
		D1	0.29" (7.5mm)

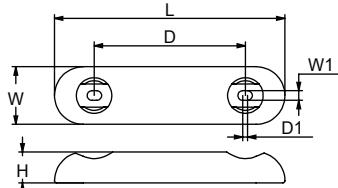
BOLT-ON



CM1661G

+Z	9 (4kg)	L	6" (152mm)
+A	3.8 (1.72kg)	W	6" (152mm)

WELD-ON

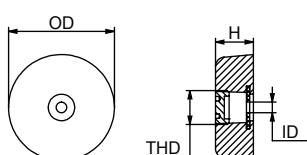


CMZ03BS*

+Z	9 (4kg)	L	12" (305mm)
+A	3.96 (1.8kg)	W	3" (76mm)
		W1	0.56" (14mm)
		H	1.6" (41mm)
		D	7.88" (200mm)
		D1	0.19" (4.8mm)

BOLT-ON

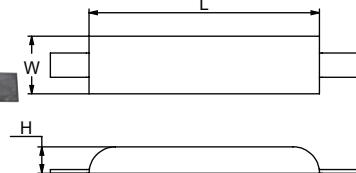
*Available in either steel or aluminum weld-on straps



CMH06(AZIMUT)

+Z	10.1 (4.58kg)	OD	5.5" (140mm)
+A	3.98 (1.81kg)	ID	0.55" (14mm)
		H	2" (50mm)

BOLT-ON



CMZ03*

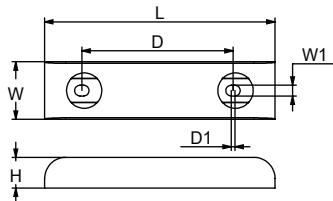
+Z	10.3 (4.68kg)	L	12" (305mm)
+A	4.85 (2.2kg)	W	3" (76mm)
		H	1.37" (35mm)

WELD-ON

*Available in either steel or aluminum weld-on straps

*Bolt holes can be added on straps as required.

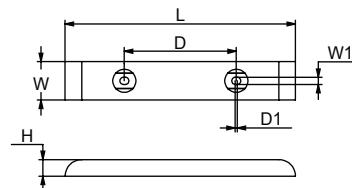
BOLT-ON

**CMZ03B**

+Z 13.7 (6.22kg)
+A 5.2 (2.36kg)

L 12" (305mm)
W 3" (76mm)
W1 0.56" (14mm)
H 1.6" (41mm)
D 7.88" (200mm)
D1 0.19" (4.8mm)

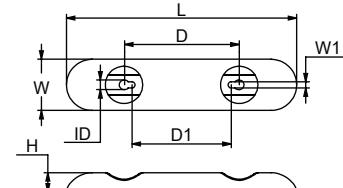
BOLT-ON

**CMZ15B**

+Z 15.2 (6.9kg)
+A 6.33 (2.88kg)

L 18" (457mm)
W 3" (76mm)
W1 0.625" (15.9mm)
H 1.3" (33mm)
D 9.25" (235mm)
D1 0.25" (6.4mm)

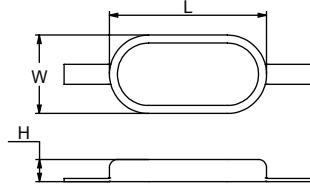
BOLT-ON

**CMZD72BM**

+Z 15.41 (7kg)
+A 6.42 (2.9kg)

L 18" (457mm)
W 4" (102mm)
W1 0.48" (12.2mm)
H 1.5" (38mm)
D 9" (228.6mm)
D1 8" (203.2mm)
ID 0.75" (19mm)

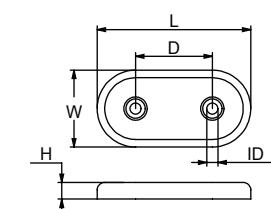
WELD-ON

**CM810S**

+Z 15.86 (7.2kg)
+A 6.6 (3kg)

L 9.75" (248mm)
W 4.9" (124.5mm)
H 1.375" (34.9mm)

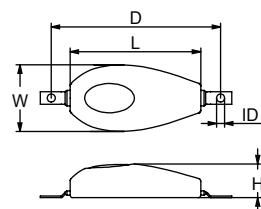
BOLT-ON

**CMH20B**

+Z 18.9 (8.5kg)
+A 8 (3.6kg)

L 12" (305mm)
W 6" (152mm)
H 1.3" (48mm)
D 6" (152mm)
ID 0.87" (22mm)

COMBINATION

**CMMG5G**

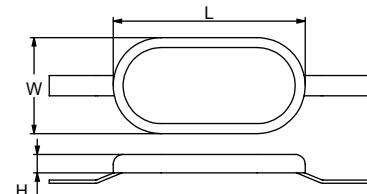
+M 5.04 (2.29kg)

L 10.2" (259mm)
W 5.2" (132mm)
H 2.6" (66mm)
D 13.2" (336mm)
ID 0.63" (16mm)

*Bolt holes can be added on straps as required.



WELD-ON

**CM812125**

+Z 19.5 (9kg)

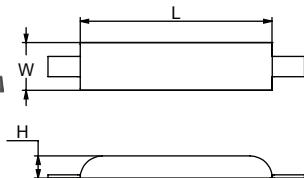
L 12" (305mm)

+A 7.9 (3.6kg) W 6" (152mm)

H 1.15" (29mm)



WELD-ON

**CMZ19**

+Z 22 (10kg)

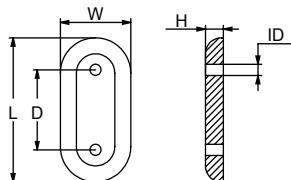
L 25" (635mm)

+A 10 (4.6kg) W 3" (76mm)

H 1.2" (30.5mm)



BOLT-ON

**CMZ24BS**

+Z 23 (10.5kg)

L 14" (356mm)

+A 8.94 (4.06kg) W 6.25" (159mm)

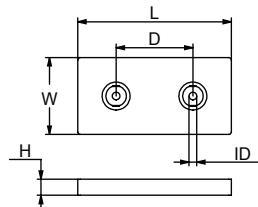
H 1.25" (32mm)

D 5" (127mm)

ID 0.5" (12.7mm)



BOLT-ON

**CMZ01BS/ZHC23**

+Z 23 (10.5kg)

L 12" (305mm)

+A 10.6 (4.8kg) W 6" (152mm)

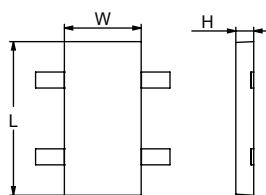
H 1.25" (32mm)

D 6" (152mm)

ID 0.625" (16mm)



WELD-ON

**CMZ02/ZHS23***

+Z 23.5(10.86kg)

L 12" (305mm)

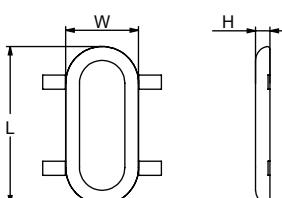
+A 10.55(4.79kg) W 6" (152mm)

H 1.38" (35mm)

*Available in either steel or aluminum weld-on straps



WELD-ON

**CMZ22***

+Z 23.5(10.86kg)

L 14" (356mm)

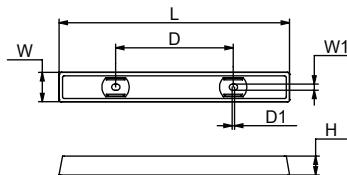
+A 11.1(5.19kg) W 6.5" (165mm)

H 1.3" (33mm)

*Available in either steel or aluminum weld-on straps

*Bolt holes can be added on straps as required.

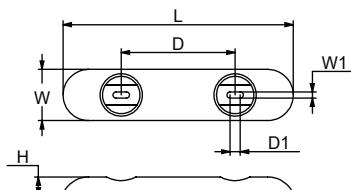
BOLT-ON

**CMP5B2B**

+Z 25 (11.4kg)

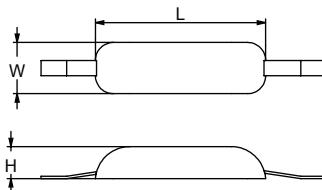
+A 11.8 (5.36kg)

L 24" (610mm)
W 3.1" (79mm)
W1 0.63" (16mm)
H 2" (50.8mm)
D 12.25" (311mm)
D1 0.25" (6.4mm)

**CMZD72B**

+Z 25.8 (11.7kg)

L 17.9" (455mm)
W 4" (101.6mm)
W1 0.73" (18.5mm)
H 2.2" (56mm)
D 8.9" (226mm)
D1 0.35" (8.9mm)

**CMZ26***

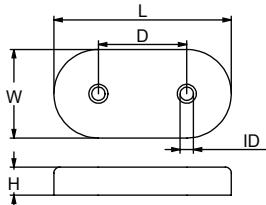
+Z 26 (11.79kg)

+A 11.67 (5.3kg)

L 13.3" (337.8mm)
W 4.3" (109mm)
H 2.25" (57mm)

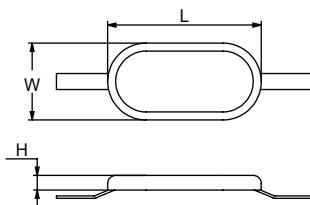
*Available in either steel or aluminum weld-on straps

WELD-ON

**CMH19B**

+Z 26.7 (12kg)

L 12" (305mm)
W 6" (152mm)
H 1.9" (48mm)
D 6"(152mm)
ID 0.87"(22mm)

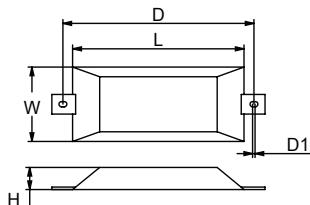
**CM812**

+Z 27 (12.5kg)

+A 11.45 (5.2kg)

L 12" (305mm)
W 6" (152mm)
H 1.7" (43mm)

WELD-ON

**CMM120B**

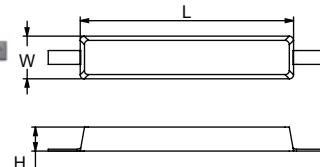
+Z 30 (13.5kg)

+A 12.3 (5.6kg)

L 13.75" (350mm)
W 6" (152mm)
H 1.75" (45mm)
D 15.375"(390mm)
D1 0.5"(13mm)

COMBINATION

*Bolt holes can be added on straps as required.



WELD-ON

CMMA2204

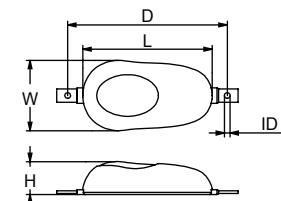
+Z 36.5 (16.5kg)

L 20" (508mm)

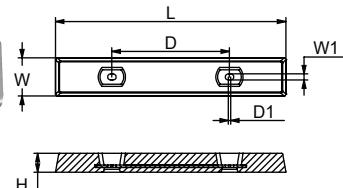
+A 16 (7.3kg)

W 4" (101mm)

H 2.25" (57mm)



COMBINATION (With Plastisol Coating)



BOLT-ON

CMP7B2BS(ZHC50)

+Z 45 (20.5kg)

L 24" (609mm)

+A 19.8 (8.9kg)

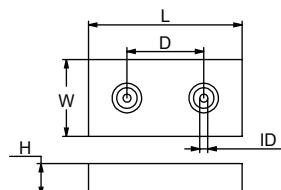
W 4" (102mm)

W1 0.625" (15.9mm)

H 2" (51mm)

D 12.25" (311mm)

D1 0.25" (6.4mm)



BOLT-ON

CMZHC47/ZHC42

+Z 45 (20.5kg)

L 12" (305mm)

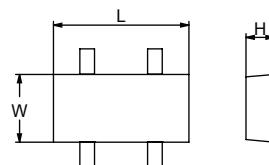
+A 18.1 (8.23kg)

W 6" (152mm)

H 2.5" (64mm)

D 6" (152mm)

ID 0.625" (16mm)



WELD-ON

CMZHS47/ZHS42*

+Z 45 (20.5kg)

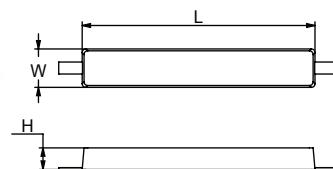
L 12" (305mm)

+A 18.1 (8.23kg)

W 6" (152mm)

H 2.5" (64mm)

*Available in either steel or aluminum weld-on straps



WELD-ON

CMMA2244L/ZHS50

+Z 47 (21kg)

L 24.25" (616mm)

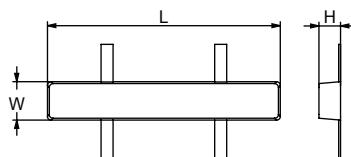
+A 19.7 (8.75kg)

W 4" (101mm)

H 2.25" (57mm)

*Bolt holes can be added on straps as required.

WELD-ON



CMMA2244S

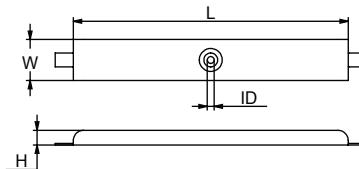
+Z 47 (21kg)

+A 19.7 (8.75kg)

L 24" (609mm)

W 4" (101mm)

H 2" (50mm)



CM260S

+Z 60 (27.2kg)

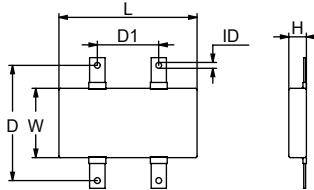
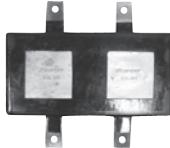
+A 25.8 (11.6kg)

L 31.5" (800mm)

W 4.75" (120mm)

H 1.625" (43mm)

ID 0.75" (18mm)



CMMH24G

+M 25.9(11.76kg)

L 18" (457mm)

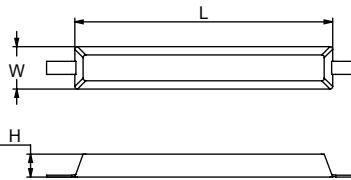
W 9" (229mm)

H 2.25" (58mm)

D 2-15"(381mm)

D1 1-8"(203mm)

ID 0.75"(19mm)



CMMA3305S

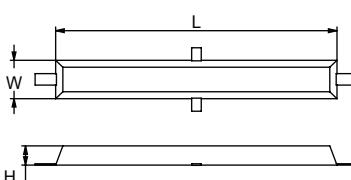
+Z 86.5 (39.3kg)

+A 32.1(14.65kg)

L 29.3" (745mm)

W 4.7" (119mm)

H 2.6" (66mm)



CMMA3365CS

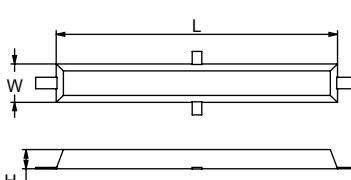
+Z 103 (46.8kg)

+A 38.3 (17.4kg)

L 36.6" (930mm)

W 5" (127mm)

H 2.5" (63.5mm)



CMMA4545CS

+Z 264 (120kg) L 54.3" (1379mm)

W 5" (127mm)

H 4.3" (109mm)

BALLAST TANK ANODES



¹Available in any length & weight up to the maximum size shown. 2602S & 3602S use 0.5"rod, 31003 uses 0.75"rod.

CMMA2602S¹

+Z 55 (25kg)

+A 25 (11kg)

L 60" (1524mm)

W 2" (50mm)

H 2" (50mm)

CMMA3602S¹

+Z 85 (38.5kg)

+A 35 (16kg)

L 60" (1524mm)

W 2.5" (64mm)

H 3" (76mm)

CMMA31003¹

+Z 280 (127kg)

+A 115 (52kg)

L 100" (2540mm)

W 3.5" (89mm)

H 3.25" (83mm)

CMMA41004¹

+Z 335 (152kg)

+A 140 (63.5kg)

L 100" (2540mm)

W 4" (102mm)

H 3.75" (95mm)

CABLE ANODES



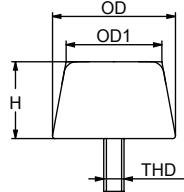
Available in Zinc or Aluminum.

Perfect for protecting piles, docks, and custom applications.

Custom cable anodes available upon request. Please contact for details.

Cable thickness available in 3/8", 5/8", and 5/16".

CONDENSER ANODES



C6C50B

+Z 0.73(0.33kg)

+A 0.29(0.13kg)

OD 1.97" (50mm)

OD1 1.5" (38mm)

H 1.18" (30mm)

THD 5/16 -24 UNC

C6C75B

+Z 1.76(0.8kg)

+A 0.69(0.31kg)

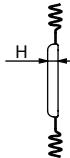
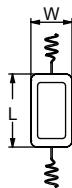
OD 2.95" (75mm)

OD1 2.42" (61.5mm)

H 1.18" (30mm)

THD 5/16 -24 UNC

CRAB TRAP ANODES



CMZCT2W

+Z 1.7 (0.75kg)

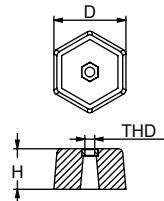
+A 0.7 (0.32kg)

L 7" (177mm)

W 1" (25mm)

H 0.75" (19mm)

CRAB TRAP ANODES



CMCTHBA

+Z 2.73 (1.24kg)

+A 1.1 (0.5kg)

D 3" (76mm)

H 1.625" (43mm)

THD 1/2-13 UNC

HEAT EXCHANGER ANODES



CMH2B2



CMH2B3



CMH2B4



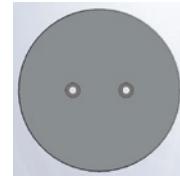
CMH2B5



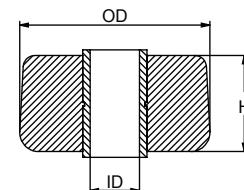
CMH2B6



CMH2B9



CMH2B11



Product ID

OD

H

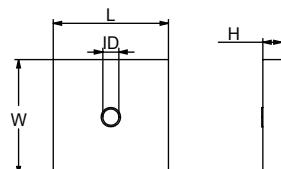
+Z

+A

Product ID	OD	H	+Z	+A
CMH2B2	2" (50mm)	1" (25mm)	0.8 (0.35kg)	0.3 (0.15kg)
CMH2B3	3" (76mm)	1" (25mm)	2.1 (0.95kg)	0.7 (0.3kg)
CMH2B4	4" (101mm)	1" (25mm)	3.2 (1.45kg)	1.3 (0.6kg)
CMH2B5	5" (127mm)	1" (25mm)	5.6 (2.55kg)	2 (0.9kg)
CMH2B6	6" (152mm)	1" (25mm)	7.1 (3.2kg)	3 (1.35kg)
CMH2B9	9" (229mm)	1" (25mm)	16 (7.25kg)	6.7 (3.05kg)
CMH2B11	11" (279mm)	1" (25mm)	24 (10.9kg)	10.1 (4.6kg)

Available in two insert size options. Please specify ID: $\frac{5}{8}$ " to fit $\frac{1}{2}$ " bolt or $\frac{1}{2}$ " to fit $\frac{3}{8}$ " bolt

HEAT EXCHANGER ANODES



CMH1B6G

+Z 9 (4.1kg)

+A 3.8 (1.7kg)

L 6" (152mm)

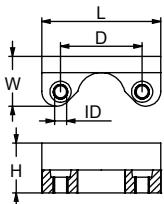
W 6" (152mm)

H 1" (25mm)

Available in two insert size options. Please specify
ID: $\frac{5}{8}$ " to fit $\frac{1}{2}$ " bolt or $\frac{1}{2}$ " to fit $\frac{3}{8}$ " bolt

OLYMPIC™ DRIVE ANODES

BOLT-ON



CMOLY

+Z 4.5 (2.05kg)

+A 2.11 (0.96kg)

L 6.2" (157.5mm)

W 2.6" (66mm)

H 2.6" (66mm)

ID 0.625" (15.9mm)

CMOLY1H

Please contact us for details.

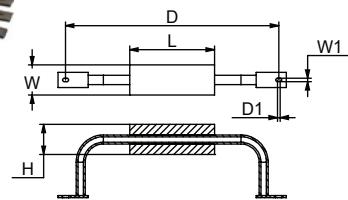
W 3.1" (79mm)

H 2.6" (66mm)

D 4.25" (108mm)

ID 0.625" (15.9mm)

PLATFORM/STANDOFF ANODES



*Please enquire about custom sizes.

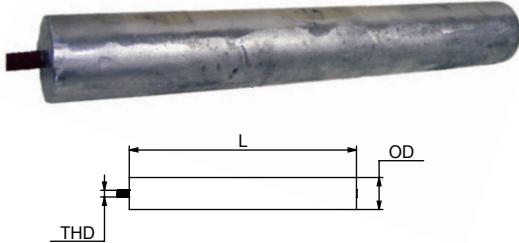
TYPE1

+Z	211 (96kg)	+A	105.6 (48kg)
L	44" (1120mm)	L	22" (560mm)
W	7.875" (200mm)	W	7.875" (200mm)
W1	0.87" (22mm)	W1	0.87" (22mm)
H	7.875" (200mm)	H	7.875" (200mm)
D	77.6" (1970mm)	D	77.6" (1410mm)
D1	0.71" (18mm)	D1	0.71" (18mm)

TYPE2

+Z	56 (25.4kg)
+A	23.5 (10.7kg)
L	30" (775mm)
OD	3" (76mm)
THD	3/4-16 UNF

HEATER TREATER ANODES



CMHT321

+Z 39 (17.7kg)

+A 16.5 (7.5kg)

L 21.5" (541mm)

OD 3" (76mm)

THD 5/8-18 UNF

CMHT330

+Z 56 (25.4kg)

+A 23.5 (10.7kg)

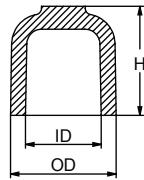
L 30" (775mm)

OD 3" (76mm)

THD 3/4-16 UNF

Types 321 & 330 use 0.625" NF threaded rod for mounting. Other rod sizes and extended lengths can be specified by purchaser.

PROP NUT

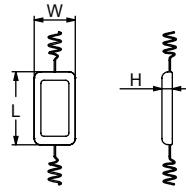


PID	ID	OD	H	+Z	+A
CMPN01	2 1/2" (63mm)	3 3/8" (85mm)	3 5/8" (92mm)	4 (1.8kg)	1.7 (0.75kg)
CMPN02	2 7/8" (73mm)	3 3/4" (95mm)	4" (101mm)	4.9 (2.23kg)	2.3 (1.05kg)
CMPN03	3 1/4" (82mm)	4 1/8" (104mm)	4" (101mm)	6 (2.7kg)	2.5 (1.15kg)
CMPN04	3 3/4" (95mm)	4 5/8" (117mm)	4 1/2" (114mm)	7.5 (3.4kg)	3.2 (1.45kg)
CMPN05	4 1/4" (107mm)	5 1/4" (133mm)	5" (127mm)	11 (5kg)	4.6 (2.1kg)
CMPN06	4 5/8" (117mm)	5 5/8" (142mm)	5 1/2" (139mm)	11.5 (5.2kg)	4.8 (2.2kg)
CMPN07	5" (127mm)	6" (152mm)	6" (152mm)	13 (5.9kg)	5.5 (2.5kg)
CMPN08	5 1/2" (139mm)	6 5/8" (168mm)	6 3/8" (161mm)	17.4 (7.9kg)	7 (3.2kg)
CMPN09	6" (152mm)	7 1/8" (180mm)	6 3/4" (171mm)	19.5 (8.85kg)	8.2 (3.7kg)
CMPN10	6 1/2" (165mm)	7 3/4" (196mm)	7" (177mm)	25 (11.35kg)	10.5 (4.75kg)
CMPN11	7" (177mm)	8 1/8" (206mm)	8 1/8" (206mm)	28 (12.7kg)	11.8 (5.35kg)
CMPN12	7 1/2" (190mm)	8 3/4" (222mm)	9" (228mm)	38.5 (17.5kg)	15.9 (7.2kg)
CMPN13(A)	2" (50mm)	2 3/4" (69mm)	2 7/8" (73mm)	2 (0.9kg)	0.8 (0.35kg)
CMPN13(B)	2 1/4" (57mm)	3" (76mm)	3" (76mm)	2.5 (1.15kg)	1.1 (0.5kg)

PLATE STOCK



*Available with
or
without wires



Part ID	L	W	H	+Z	+A
CMPM/CMPMW*	4 1/2" (114mm)	2 1/2" (64mm)	0.65" (17mm)	2 (0.9kg)	0.78 (0.35kg)
CMPN/CMPNW*	6" (152mm)	3" (76mm)	3/4" (19mm)	3.25 (1.48kg)	1.26 (0.57kg)
CMPO/CMPOW*	6" (152mm)	4" (102mm)	3/4" (19mm)	4.38 (1.99kg)	1.7 (0.77kg)
CMPP/CMPPW*	9" (229mm)	5" (127mm)	0.8" (21mm)	9.25 (4.2kg)	3.59 (1.63kg)
CMP0515115	11 1/2" (288mm)	1 1/2" (38mm)	1/2" (13mm)	2.21 (1kg)	0.89 (0.4kg)
CMP051512	12" (305mm)	1 1/2" (38mm)	1/2" (13mm)	2.3 (1.04kg)	0.93 (0.42kg)
CMP05204	4" (100mm)	2" (50mm)	1/2" (13mm)	1.02 (4.63kg)	0.41 (0.18kg)
CMP05212	12" (305mm)	2" (50mm)	1/2" (13mm)	3.07 (1.39kg)	1.24 (0.56kg)
CMP05224	24" (710mm)	2" (50mm)	1/2" (13mm)	6.14 (2.79kg)	2.48 (1.13kg)
CMP05303	3" (76mm)	3" (76mm)	1/2" (13mm)	1.25 (0.57kg)	0.5 (0.23kg)
CMP05306	6" (152mm)	3" (76mm)	1/2" (13mm)	2.2 (1kg)	0.9 (0.41kg)
CMP05406	6" (152mm)	4" (100mm)	1/2" (13mm)	3.07 (1.39kg)	1.24 (0.56kg)
CMP05312	12" (305mm)	3" (76mm)	1/2" (13mm)	4.61 (2.1kg)	1.86 (0.84kg)
CMP05606	6" (152mm)	6" (152mm)	1/2" (13mm)	4.8 (2.15kg)	1.9 (0.86kg)
CMP05612	12" (305mm)	6" (152mm)	1/2" (13mm)	9.5 (4.31kg)	3.8 (1.72kg)
CMP075106	6" (152mm)	1" (25mm)	3/4" (19mm)	1.15 (0.52kg)	0.46 (0.21kg)
CMP075303	3" (76mm)	3" (76mm)	3/4" (19mm)	1.75 (0.79kg)	0.7 (0.32kg)
CMP075306	6" (152mm)	3" (76mm)	3/4" (19mm)	3.5 (1.59kg)	1.4 (0.64kg)
CMP075606	6" (152mm)	6" (152mm)	3/4" (19mm)	6.55 (2.97kg)	2.6 (1.18kg)

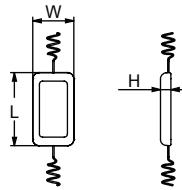
PLATE STOCK



*Available with
or



without wires



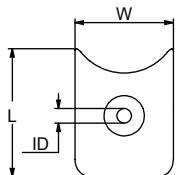
Part ID	L	W	H	+Z	+A
CMP75612	12" (305mm)	6" (152mm)	¾" (19mm)	14 (6.35kg)	5.6 (2.54kg)
CMP1206	6" (152mm)	2" (50mm)	1" (25mm)	3.07 (1.39kg)	1.24 (0.56kg)
CMP1303	3" (76mm)	3" (76mm)	1" (25mm)	2.25 (1.01kg)	0.9 (0.41kg)
CMP1304	4" (101mm)	3" (76mm)	1" (25mm)	3.07 (1.39kg)	1.24 (0.56kg)
CMP1306	6" (152mm)	3" (76mm)	1" (25mm)	4.5 (2.04kg)	1.8 (0.82kg)
CMP1406	6" (152mm)	4" (101mm)	1" (25mm)	6.11 (2.77kg)	2.44 (1.1kg)
CMP1606	6" (152mm)	6" (152mm)	1" (25mm)	9 (4.08kg)	3.6 (1.63kg)
CMP1612	12" (305mm)	6" (152mm)	1" (25mm)	18 (8.16kg)	7.2 (3.27kg)
CMP075406	6" (152mm)	4" (101mm)	0.8" (20mm)	4.6 (2.09kg)	1.84 (0.84kg)
CMP11504	4" (101mm)	1 ½" (38mm)	1" (25mm)	1.5 (0.68kg)	0.6 (0.27kg)
CMP11505	5" (125mm)	1 ½" (38mm)	1" (25mm)	2 (0.91kg)	0.8 (0.36kg)
CMP166	6 ¼" (155mm)	6 ¼" (155mm)	1" (25mm)	8.8 (3.99kg)	3.52 (1.6kg)
CMP631	6 ¼" (155mm)	3.2" (80mm)	1" (25mm)	4.41 (2kg)	1.76 (0.8kg)
CMP05306W	6" (152mm)	3" (76mm)	½" (13mm)	2.3 (1.04kg)	0.92 (0.42kg)
CMP05606W	6" (152mm)	6" (152mm)	½" (13mm)	4.61 (2.1kg)	1.84 (0.84kg)
CMP05612W	12" (305mm)	6" (152mm)	½" (13mm)	9.2 (4.19kg)	3.68 (1.67kg)
CMP075306W	6" (152mm)	3" (76mm)	¾" (19mm)	3.46 (1.57kg)	1.38 (0.63kg)
CMP075406W	6" (152mm)	4" (101mm)	0.8" (20mm)	4.61 (2.1kg)	1.84 (0.84kg)

ROD STOCK



Part ID	L	OD	+Z
CMR0512	12" (305mm)	½" (13mm)	0.6 (0.27kg)
CMR062512	12" (305mm)	⁵/₈" (16mm)	0.96 (0.43kg)
CMR07512	12" (305mm)	¾" (19mm)	1.35 (0.61kg)
CMR1524	24" (610mm)	1 ½" (38mm)	10.8 (4.9kg)
CMR2242	24" (610mm)	2" (50mm)	19.3 (8.76kg)
CMR324	24" (610mm)	3" (76mm)	43.2 (19.6kg)
CMR037536	36" (914mm)	⁵/₈" (9mm)	1.01 (0.46kg)
CMR0536	36" (914mm)	½" (13mm)	1.8 (0.82kg)
CMR062539	39" (1000mm)	⁵/₈" (16mm)	3.14 (1.42kg)
CMR07539	39" (1000mm)	¾" (19mm)	4.43 (2.01kg)
CMR087539	39" (1000mm)	⁷/₈" (22mm)	5.93 (2.69kg)
CMR139	39" (1000mm)	1" (25mm)	7.66 (3.48kg)
CMR12539	39" (1000mm)	1 ¼" (32mm)	12.55 (5.7kg)

WALTER KEEL™ ANODES



CMKK-1

+Z 1.02 (0.46kg)

+A 0.41 (0.19kg)

+M 0.28 (0.13kg)

L 3.32" (84mm)

W 2.57" (65mm)

H 1 ⅛" (28.6mm)

ID ⁹/₁₆" (9.5mm)

CMKK-2

+Z 1.21 (0.55kg)

+A 0.48 (0.22kg)

+M 0.34 (0.15kg)

L 3.32" (84mm)

W 3 ¼" (83mm)

H 1 ⅛" (28.6mm)

ID ⁹/₁₆" (9.5mm)

CMKK-3

+Z 3.12 (1.42kg)

+A 1.25 (0.57kg)

+M 0.87 (0.39kg)

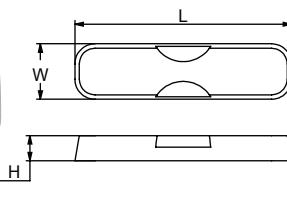
L 5.4" (137mm)

W 3 ½" (89mm)

H 1 ⁵/₈" (41mm)

ID 0.35" (8.9mm)

WALTER KEEL™ ANODES



CMX453

+Z 0.21 (0.1kg)

+A 0.08 (0.036kg)

+M 0.06 (0.027kg)

L 3 ⁵/₈" (86mm)

W ⁷/₈" (22mm)

H ³/₈" (10mm)

CMX473

+Z 0.63 (0.29kg)

+A 0.25 (0.11kg)

+M 0.18 (0.08kg)

L 6 ⁷/₈" (172mm)

W 1 ¼" (32mm)

H ³/₈" (10mm)

CMX58

+Z 0.73 (0.33kg)

+A 0.29 (0.13kg)

+M 0.2 (0.1kg)

L 6 ¹/₄" (159mm)

W ⁷/₈" (22mm)

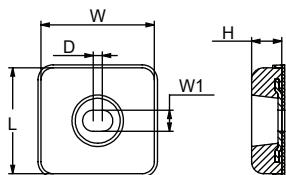
H ½" (12mm)

Commercial

Hull Anodes (Special Orders)

*Bolt holes can be added on straps as required.

BOLT-ON

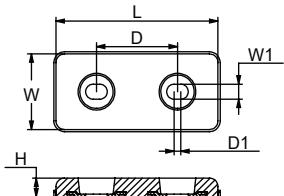


JDP320220

+Z 1.28 (0.58kg)

L 3" (75mm)
W 2.8" (70mm)
W1 0.55" (14mm)
H 0.8" (20mm)
D 0.24" (6mm)

BOLT-ON

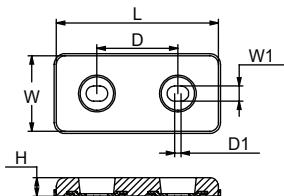


JDP320221

+Z 2.35 (1.07kg)

L 5.9" (150mm)
W 2.8" (70mm)
W1 0.55" (14mm)
H 0.7" (17.5mm)
D 2.95" (75mm)
D1 0.24" (6mm)

BOLT-ON



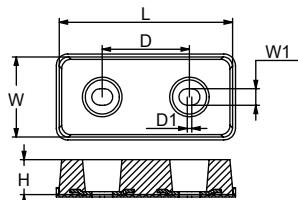
JDP320222

+Z 2.68 (1.22kg)

+A 1.18 (0.54kg)

L 5.9" (150mm)
W 2.8" (70mm)
W1 0.55" (14mm)
H 0.8" (20mm)
D 2.95" (75mm)
D1 0.24" (6mm)

BOLT-ON



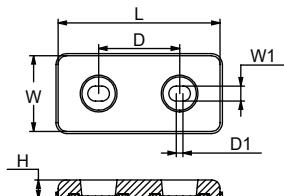
JDB2GB

+Z 3.2 (1.5kg)

+A 1.3 (0.6kg)

L 5.9" (150mm)
W 3" (75mm)
W1 0.55" (14mm)
H 1" (25mm)
D 2.95" (75mm)
D1 0.16" (4mm)

BOLT-ON

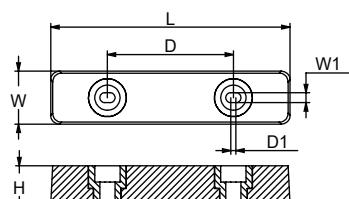


JDP320223

+Z 3.28 (1.49kg)

L 5.9" (150mm)
W 2.8" (70mm)
W1 0.55" (14mm)
H 1" (25mm)
D 2.95" (75mm)
D1 0.24" (6mm)

BOLT-ON



JDH39SB

+Z 3.30 (1.50kg)

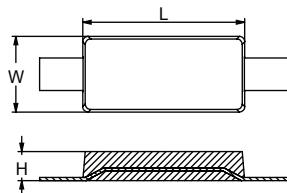
+A 1.32 (0.6kg)

L 7.5" (190mm)
W 1.625" (42mm)
W1 0.31" (8mm)
H 1.19" (30mm)
D 3.94" (100mm)
D1 0.16" (4mm)

*Bolt holes can be added on straps as required.



WELD-ON



JDH24G*

+Z 4.2 (1.9kg)

+A 2 (0.9kg)

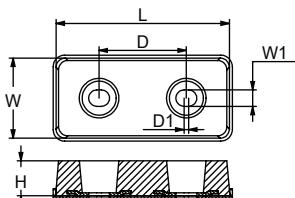
L 5.9" (150mm)

W 2.76" (70mm)

H 1.1" (27mm)



BOLT-ON



JDP320219

+Z 4.3 (1.95kg)

L 7.87" (200mm)

W 3.94" (100mm)

W1 0.55" (14mm)

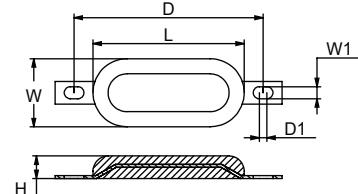
H 0.59" (15mm)

D 4.33" (110mm)

D1 0.24" (6mm)



COMBINATION



JDH48G

+Z 4.4 (2kg)

+A 1.9 (0.9kg)

L 7.87" (200mm)

W 3.15" (80mm)

W1 0.63" (16mm)

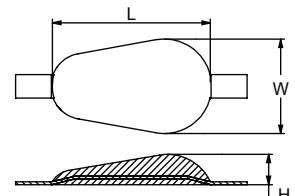
H 1.18" (30mm)

D 7.87" (200mm)

D1 0.39" (10mm)



WELD-ON



JDDM20

+Z 4.85 (2.2kg)

+A 2 (0.9kg)

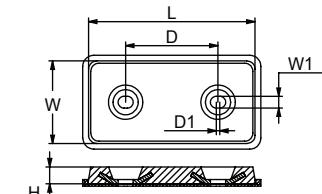
L 6.7" (169mm)

W 4 " (100mm)

H 1.26" (32mm)



BOLT-ON



JDB3GB

+Z 5.5 (2.5kg)

+A 2.3 (1kg)

L 7.87" (200mm)

W 3.94" (100mm)

W1 0.55" (14mm)

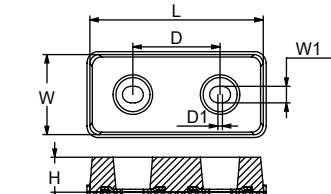
H 0.8" (20mm)

D 4.33"(110mm)

D1 0.16" (4mm)



BOLT-ON



JDP320224

+Z 5.64 (2.56kg)

L 7.87" (200mm)

W 3.94" (100mm)

W1 0.55" (14mm)

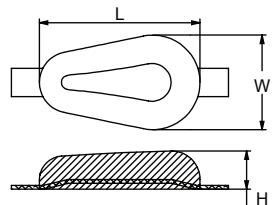
H 0.8" (20mm)

D 4.33"(110mm)

D1 0.24" (6mm)

*Bolt holes can be added on straps as required.

WELD-ON



JDDM28GB

+Z 6.6 (3kg)

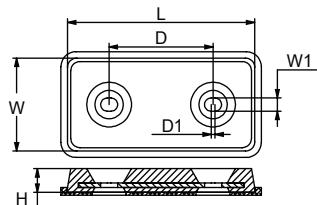
+A 2.9 (1.3kg)

L 6.7" (170mm)

W 3.9" (100mm)

H 1.57" (40mm)

BOLT-ON



JDH62GB

+Z 6.6 (3kg)

+A 2.9 (1.3kg)

L 7.87" (200mm)

W 3.94" (100mm)

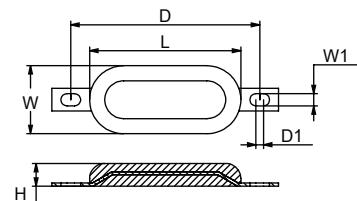
W1 0.55" (14mm)

H 1" (25mm)

D 4.33" (110mm)

D1 0.16" (4mm)

COMBINATION



JDH49GB

+Z 6.6 (3kg)

+A 2.2 (1kg)

L 7.87" (200mm)

W 3.54" (90mm)

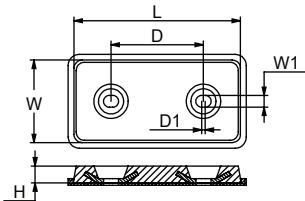
W1 0.63" (16mm)

H 1.18" (30mm)

D 9.84" (250mm)

D1 0.39" (10mm)

BOLT-ON



JDH56GB

+Z 6.8 (3.1kg)

+A 3.1 (1.4kg)

L 7.87" (200mm)

W 3.94" (100mm)

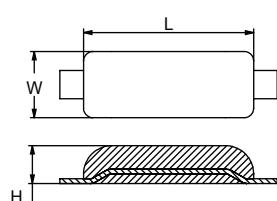
W1 0.55" (14mm)

H 1" (25mm)

D 4.33" (110mm)

D1 0.16" (4mm)

WELD-ON



JDH10G*

+Z 7.5 (3.4kg)

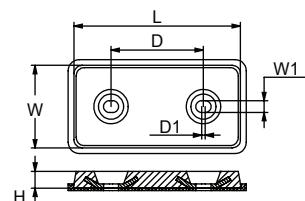
+A 3.1 (1.4kg)

L 7.1" (180mm)

W 2.76" (70mm)

H 1.57" (40mm)

WELD-ON



JDB4GB

+Z 7.9 (3.6kg)

+A 3.3 (1.5kg)

L 7.87" (200mm)

W 3.94" (100mm)

W1 0.55" (14mm)

H 1.18" (30mm)

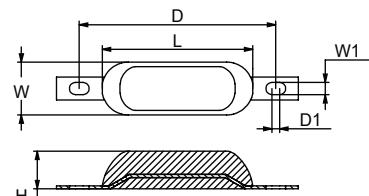
D 4.33" (110mm)

D1 0.16" (4mm)

*Bolt holes can be added on straps as required.



BOLT-ON

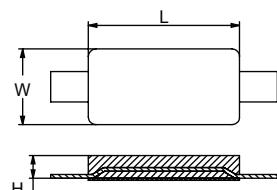


JDH55GB
+Z 9.1 (4.2kg)
+A 3.7 (1.7kg)

L 7.87" (200mm)
W 2.75" (70mm)
W1 0.63" (16mm)
H 1.97" (50mm)
D 9.84" (250mm)
D1 0.39" (10mm)



WELD-ON

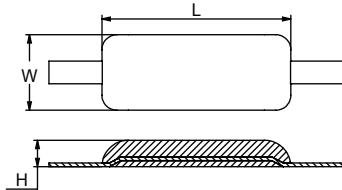


JDS4G*
+Z 9.2 (4.2kg)
+A 4.2 (1.9kg)

L 7.87" (200mm)
W 3.94" (100mm)
H 1.18" (30mm)



WELD-ON

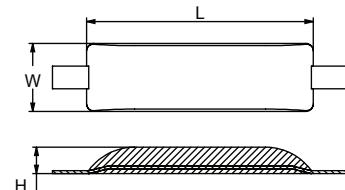


JDGBZH02
+Z 11.9 (5.4kg)
+A 5.07 (2.3kg)

L 9.8" (250mm)
W 4" (100mm)
H 1.38" (35mm)



WELD-ON

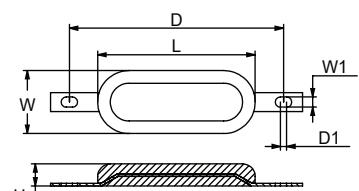


JDDM45
+Z 13 (5.9kg)
+A 5 (2.3kg)

L 11.8" (300mm)
W 3.54" (90mm)
H 1.38" (35mm)



COMBINATION

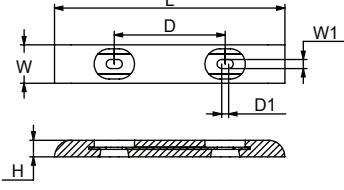


JDH50GB
+Z 11 (5kg)
+A 4.62 (2.1kg)

L 9.8" (250mm)
W 4" (100mm)
W1 0.63" (16mm)
H 1.38" (35mm)
D 13.4" (340mm)
D1 0.39" (10mm)



BOLT-ON

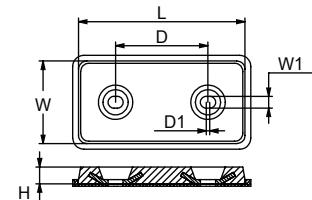


JDH53GB
+Z 14.5 (6.6kg)
+A 5.9 (2.7kg)

L 18" (457mm)
W 3" (76mm)
W1 0.7" (18mm)
H 1.3" (33mm)
D 8.66" (220mm)
D1 0.55" (14mm)

*Bolt holes can be added on straps as required.

BOLT-ON



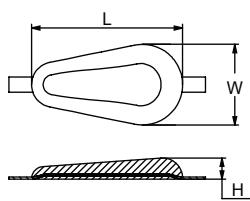
JDB8GB

+Z 16.1 (7.3kg)

+A 6.4 (2.9kg)

L 11.8" (300mm)
W 5.9" (150mm)
W1 0.7" (18mm)
H 1" (25mm)
D 6.3"(160mm)
D1 0.16" (4mm)

WELD-ON



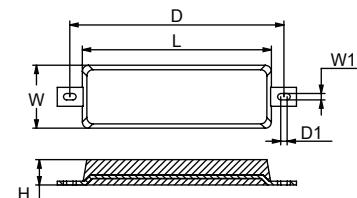
JDDM60G*

+Z 16.5 (7.5kg)

+A 6.38 (2.9kg)

L 11.8" (300mm)
W 6.3 " (160mm)
H 1.63" (41.5mm)

BOLT-ON



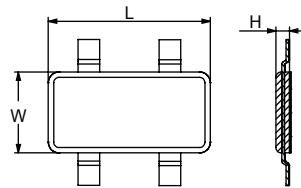
JDH61GB

+Z 17.2 (7.8kg)

+A 7 (3.2kg)

L 11.8" (300mm)
W 3.94" (100mm)
W1 0.39" (10mm)
H 1.57" (40mm)
D 14" (340mm)
D1 0.39" (10mm)

WELD-ON



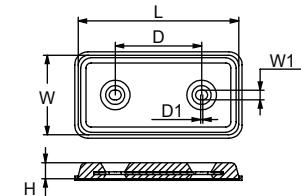
JDS8G*

+Z 17.6 (8kg)

+A 7.7 (3.5kg)

L 11.8" (300mm)
W 5.9" (150mm)
H 1" (25mm)

BOLT-ON



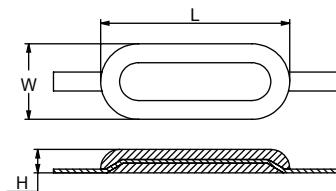
JDH63GB

+Z 17.6 (8kg)

+A 7 (3.2kg)

L 11.8" (300mm)
W 5.9" (150mm)
W1 0.7" (18mm)
H 1.18" (30mm)
D 6.3"(160mm)
D1 0.16" (4mm)

WELD-ON



JDH51G*

+Z 17.6 (8kg)

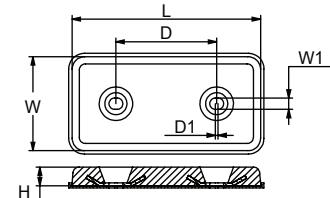
+A 7.7 (3.5kg)

L 11.8" (300mm)
W 4.7" (120mm)
H 1.46" (37mm)

*Bolt holes can be added on straps as required.



BOLT-ON



JDB9GB

+Z 18.3 (8.3kg)

+A 7 (3.2kg)

L 11.8" (300mm)

W 5.9" (150mm)

W1 0.7" (18mm)

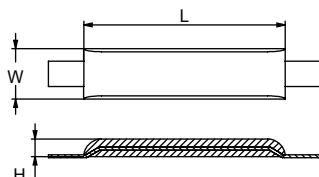
H 1.18" (30mm)

D 6.3" (160mm)

D1 0.87" (22mm)



WELD-ON



JDH01*

+Z 19.5 (9kg)

+A 8.8 (4kg)

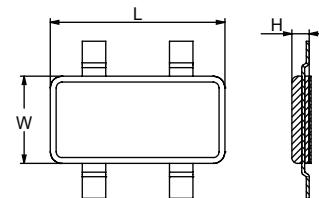
L 15.75" (400mm)

W 4" (100mm)

H 1.38" (35mm)



WELD-ON



JDS9G*

+Z 19.8 (9kg)

+A 8.8 (4kg)

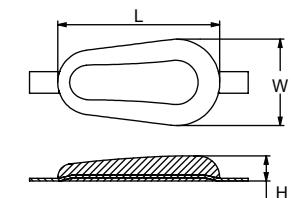
L 11.8" (300mm)

W 5.9" (150mm)

H 1.18" (30mm)



WELD-ON



JDDM96G*

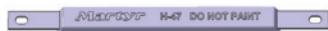
+Z 22 (10kg)

+A 9.24 (4.2kg)

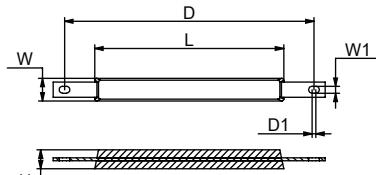
L 11.8" (300mm)

W 6.3" (160mm)

H 1.77" (45mm)



COMBINATION



JDH47GB

+Z 23.5 (10.7kg)

+A 10.3 (4.7kg)

L 19.7" (500mm)

W 2.36" (60mm)

W1 0.7" (18mm)

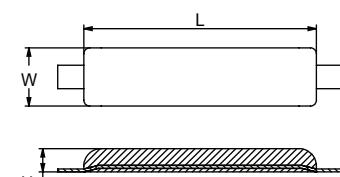
H 1.97" (50mm)

D 26" (660mm)

D1 0.47" (12mm)



WELD-ON



JDH7G*

+Z 23.5(10.7kg)

+A 9.9 (4.5kg)

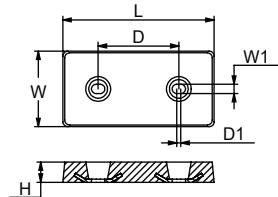
L 15.7" (400mm)

W 3.94" (100mm)

H 1.57" (40mm)

*Bolt holes can be added on straps as required.

BOLT-ON



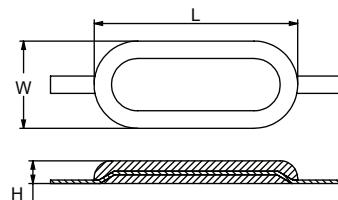
JDH21GB

+Z 24.2 (11kg)

+A 9.2 (4.2kg)

L 11.8" (300mm)
W 5.9" (150mm)
W1 0.72" (18.4mm)
H 1.57" (40mm)
D 6.3" (160mm)
D1 0.32" (8.1mm)

WELD-ON



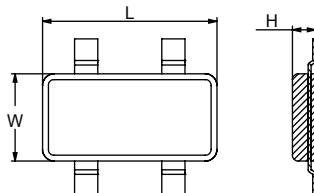
JDH52G*

+Z 26.4 (12kg)

+A 10.8 (4.9kg)

L 13.8" (350mm)
W 5.9" (150mm)
H 1.5" (39mm)

WELD-ON



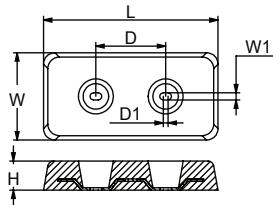
JDS9EG*

+Z 26.4 (12kg)

+A 11 (5kg)

L 11.8" (300mm)
W 5.9" (150mm)
H 1.57" (40mm)

BOLT-ON



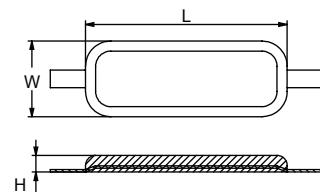
JDH13GB

+Z 26.4 (12kg)

+A 10.8 (4.9kg)

L 11.8" (300mm)
W 5.9" (150mm)
W1 0.47" (12mm)
H 2" (50mm)
D 4.72" (120mm)
D1 0.31" (8mm)

WELD-ON



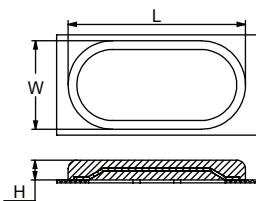
JDH26G*

+Z 27.1 (12.3kg)

+A 11 (5kg)

L 15.7" (400mm)
W 5.9" (150mm)
H 1.3" (33mm)

WELD-ON

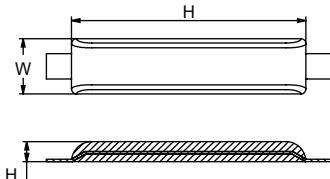


JDH36G*

+A 11.2 (5.1kg)

L 12" (305mm)
W 6" (152mm)
H 1.34" (34mm)

*Bolt holes can be added on straps as required.

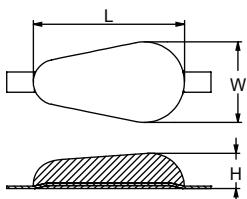


WELD-ON

JDH60G*

+Z 27.5 (12.5kg)
+A 11.9 (5.4kg)

L 18.3" (465mm)
W 4.33" (110mm)
H 1.57" (40mm)

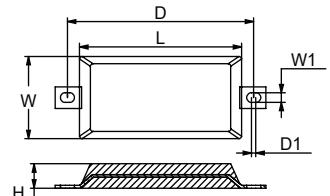


WELD-ON

JDDM121G

+Z 27.9 (13kg)
+A 13.4 (6.1kg)

L 11.8" (300mm)
W 6.3 " (160mm)
H 2.75" (70mm)

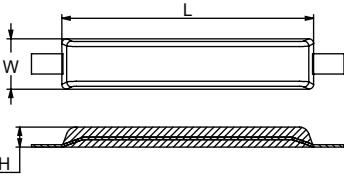


COMBINATION

JDDM121GB

+Z 28.6 (13kg)
+A 13.42 (6.1kg)

L 11.8" (300mm)
W 6" (152mm)
W1 0.71" (18mm)
H 1.77" (45mm)
D 13.58" (345mm)
D1 0.31" (8mm)

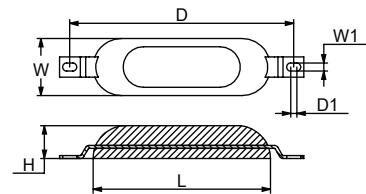


WELD-ON

JDH6G*

+Z 28.6 (13kg)
+A 12.1 (5.5kg)

L 19.7" (500mm)
W 3.94"(100mm)
H 1.6" (40mm)

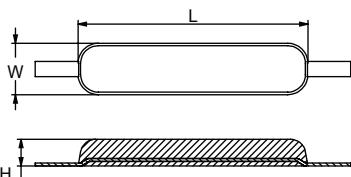


COMBINATION

JDH45GB

+Z 28.6 (13kg)
+A 13.42 (6.1kg)

L 13.8" (352mm)
W 4.45 " (113mm)
W1 0.63" (16mm)
H 2.56" (65mm)
D 17.5" (445mm)
D1 0.63" (16mm)



WELD-ON

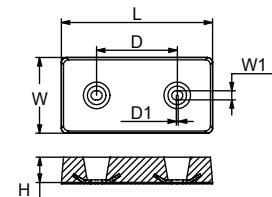
JDZD140G*

+Z 30.8 (14kg)
+A 12.5 (5.7kg)

L 18" (456mm)
W 4" (102mm)
H 2.08" (53mm)

*Bolt holes can be added on straps as required.

BOLT-ON



JDH23B

+Z 31.2 (14.2kg)

+A 12.1 (5.5kg)

L 11.8" (300mm)

W 5.9" (150mm)

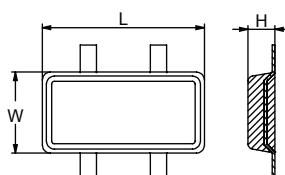
W1 0.72"(18.4mm)

H 1.96" (50mm)

D 6.3" (160mm)

D1 0.32"(8.1mm)

WELD-ON



JDH11G*

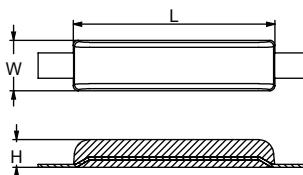
+Z 31.9 (14.5kg)

L 11.8" (300mm)

W 5.9" (150mm)

H 2" (50mm)

WELD-ON



JDGBZH01*

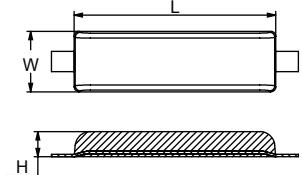
+Z 33 (15kg)

L 15.75" (400mm)

W 3.94" (100mm)

H 2.17" (55mm)

WELD-ON



JDH5G*

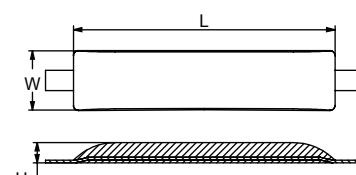
+Z 35 (15.9kg)

L 15.7" (400mm)

W 4.7" (120mm)

H 1.97" (50mm)

WELD-ON



JDDM155

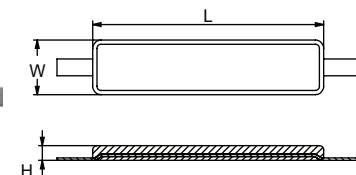
+Z 36.6 (16.6kg)

L 20.5" (520mm)

W 4.7" (120mm)

H 1.6" (40mm)

WELD-ON



JDZD170G

+Z 37.4 (17kg)

L 21.7" (550mm)

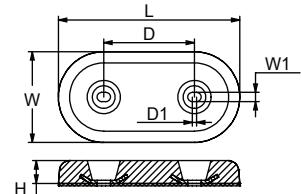
W 5.12 " (130mm)

H 1.38" (35mm)

*Bolt holes can be added on straps as required.



BOLT-ON

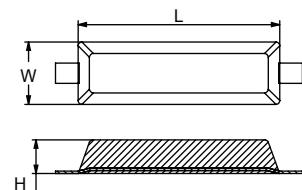


JDH58GB
+Z 37.8 (17.2kg)
+A 15.2 (6.9kg)

L 14.1" (360mm)
W 7.1" (180mm)
W1 0.72" (18.4mm)
H 1.77" (45mm)
D 7" (180mm)
D1 0.32" (8.1mm)



WELD-ON

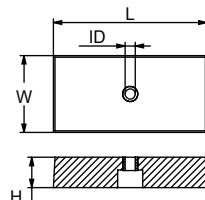


JDH15G*
+Z 37.8 (17.2kg)
+A 15.4 (7kg)

L 15.7" (400mm)
W 4.9" (124mm)
H 2.64" (67mm)

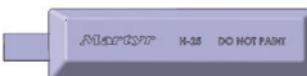


BOLT-ON

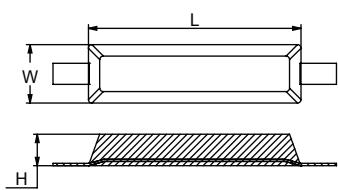


JDH37S
+Z 40.5 (18.4kg)
+A 15.4 (7kg)

L 12" (305mm)
W 6" (152mm)
H 2.36" (60mm)
ID 0.79" (20mm)



WELD-ON

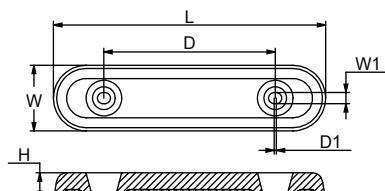


JDH25S*
+Z 42.9 (19.5kg)
+A 19.8 (9kg)

L 17.7" (450mm)
W 4.88" (124mm)
H 2.64" (67mm)



BOLT-ON

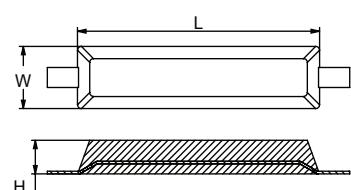


JDH54GB
+Z 44 (20kg)
+A 17.9 (8.1kg)

L 21.26" (540mm)
W 5.12" (130mm)
W1 0.87" (22mm)
H 2.08" (53mm)
D 13.4" (340mm)
D1 0.16" (4mm)



WELD-ON

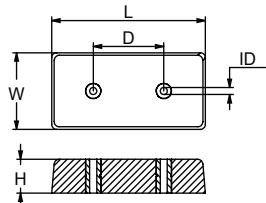


JDH35G*
+Z 45.5 (20.7kg)
+A 18.7 (8.5kg)

L 18.9" (480mm)
W 4.88" (124mm)
H 2.64" (67mm)

*Bolt holes can be added on straps as required.

BOLT-ON

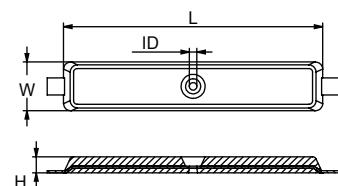


JDH40SB

- +Z 47.4 (21.6kg)
- +A 18.2 (8.3kg)

L 12" (305mm)
W 6" (152mm)
H 2.64" (67mm)
D 5.51" (140mm)
ID 0.55" (14mm)

COMBINATION

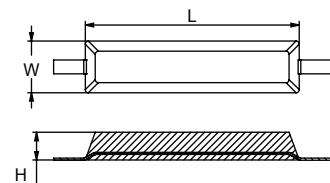


JDDM217

- +Z 50.6 (23kg)
- +A 20.9 (9.5kg)

L 26.8" (680mm)
W 5" (128mm)
H 1.57" (40mm)
ID 0.79" (20mm)

WELD-ON

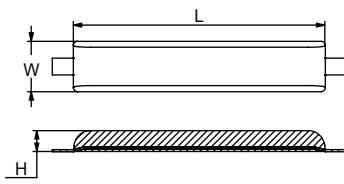


JDH17G*

- +Z 51.5 (23.4kg)
- +A 20.7 (9.4kg)

L 20" (510mm)
W 4.84" (123mm)
H 2.6" (66mm)

WELD-ON

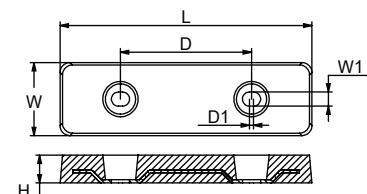


JDH4G*

- +Z 52.4 (23.8kg)
- +A 22 (10kg)

L 23.6" (600mm)
W 4.7" (120mm)
H 1.97" (50mm)

BOLT-ON

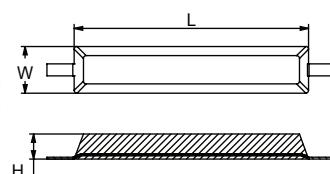


JDH59GB

- +Z 60.7 (27.6kg)
- +A 21.1 (9.6kg)

L 19.7" (500mm)
W 5.7" (145mm)
W1 1.1" (28mm)
H 2.17" (55mm)
D 10.24" (260mm)
D1 0.31" (8mm)

WELD-ON



JDMA3305S*

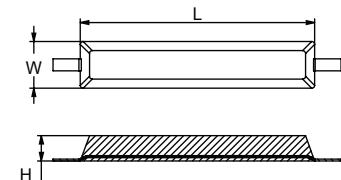
- +Z 63.1 (28.7kg)
- +A 25.1 (11.4kg)

L 24.4" (620mm)
W 4.88" (124mm)
H 2.64" (67mm)

*Bolt holes can be added on straps as required.



WELD-ON



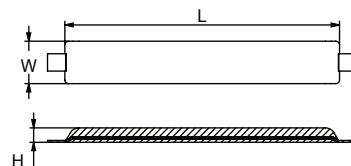
JDH34G*

- +Z 64 (29.1kg)
- +A 26.4 (12kg)

L 25.6" (650mm)
W 4.88" (124mm)
H 2.64" (67mm)



WELD-ON



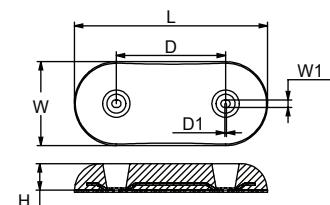
JDDM105G

- +Z 65.1 (29.6kg)
- +A 26.4 (12kg)

L 31.5" (800mm)
W 4.84" (123mm)
H 1.65" (42mm)



BOLT-ON



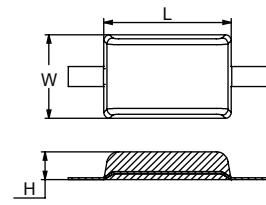
JDH24GB

- +Z 64.9 (29.5kg)
- +A 25.3 (11.5kg)

L 18.1" (460mm)
W 7.87" (200mm)
W1 0.71" (18mm)
H 2.52" (64mm)
D 10.25" (260mm)
D1 0.16" (4mm)



BOLT-ON



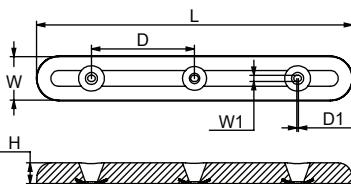
JDH22G*

- +Z 67.1 (30.5kg)
- +A 26.8 (12.2kg)

L 12.6" (320mm)
W 8.27" (210mm)
H 2.76" (70mm)



BOLT-ON



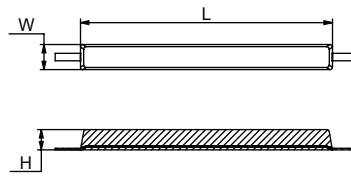
JDH22GB

- +Z 83.6 (38kg)
- +A 26.8 (12.2kg)

L 36.2" (920mm)
W 5.1" (130mm)
W1 0.71" (18mm)
H 2.36" (60mm)
D 11.81" (300mm)
D1 0.16" (4mm)



WELD-ON



JDE2G*

- +Z 111 (50.4kg)
- +A 45.5 (20.7kg)

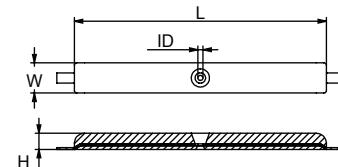
L 39.4" (1000mm)
W 3.94" (100mm)
H 3.15" (80mm)

*Bolt holes can be added on straps as required.

COMBINATION

JD485G*

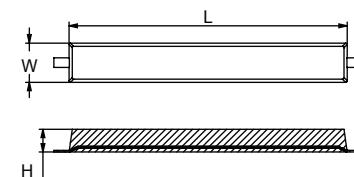
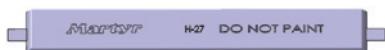
+Z 110 (50kg)	L 39.4" (1000mm)
+A 43.6 (19.8kg)	W 4.7" (120mm)
	H 2.5" (64mm)
	ID 0.79" (20mm)



WELD-ON

JDH27G*

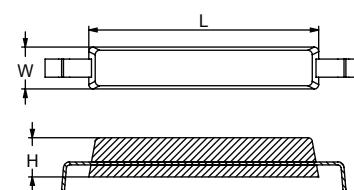
+Z 124.8 (56.7kg)	L 36.2" (920mm)
+A 49.5 (22.5kg)	W 5.12" (130mm)



WELD-ON

JDC1G*

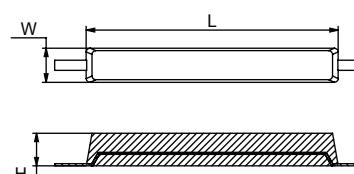
+Z 189 (86kg)	L 30" (760mm)
+A 77 (35kg)	W 5.5" (139mm)



WELD-ON

JDE3G

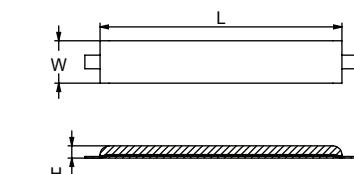
+Z 242 (110kg)	L 39.4" (1000mm)
+A 93.7 (42.6kg)	W 5.31" (135mm)



WELD-ON

JDH3G*

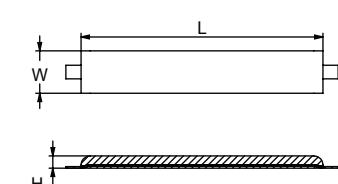
+Z 67 (30.4kg)	L 31.5" (800mm)
+A 27.6 (12.5kg)	W 5.5" (140mm)

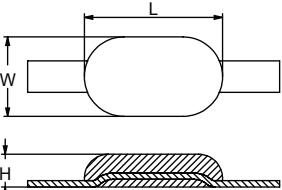
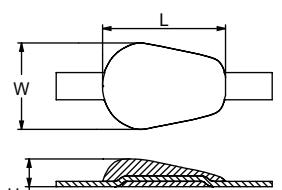
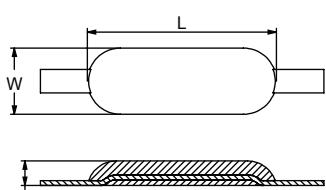
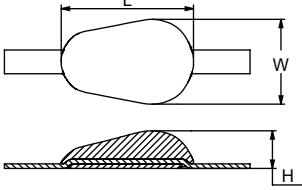
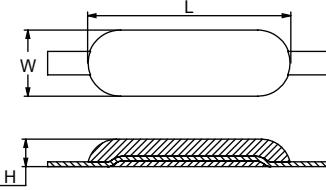
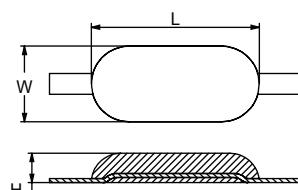


WELD-ON

SGSH506

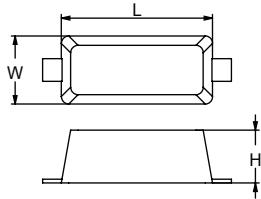
+Z 1.32 (0.6kg)	L 4.5" (115mm)
+A 0.79(0.36kg)	W 2.375" (60mm)
+M 0.66 (0.3kg)	H 0.667" (17mm)



 WELD-ON	 <p>SGSH507</p> <ul style="list-style-type: none"> +Z 2.2 (1.0kg) +A 1.15 (0.52kg) +M 0.88 (0.4kg) <p>L 4.33" (110mm) W 2.48" (63mm) H 1" (26mm)</p>
 WELD-ON	 <p>SGSH100</p> <ul style="list-style-type: none"> +Z 2.2 (1.0kg) +A 1.15 (0.52kg) +M 0.88 (0.4kg) <p>L 4.65" (118mm) W 3.15" (80mm) H 1" (25.5mm)</p>
 WELD-ON	 <p>SGSH508</p> <ul style="list-style-type: none"> +Z 3.97 (1.8kg) +A 2 (0.91kg) +M 1.5 (0.68kg) <p>L 7.87" (200mm) W 2.76" (70mm) H 1.02" (26mm)</p>
 WELD-ON	 <p>SGSH159</p> <ul style="list-style-type: none"> +Z 3.97 (1.8kg) +A 1.92 (0.87kg) +M 1.43 (0.65kg) <p>L 5.5" (140mm) W 3.54" (90mm) H 1.57" (40mm)</p>
 WELD-ON	 <p>SGSH509</p> <ul style="list-style-type: none"> +Z 4.85 (2.2kg) +A 2.43 (1.1kg) +M 1.72 (0.78kg) <p>L 8.46" (215mm) W 2.75" (70mm) H 1.14" (29mm)</p>
 WELD-ON	 <p>SGSH510</p> <ul style="list-style-type: none"> +Z 7.54 (3.0kg) +A 3.09 (1.4kg) +M 2.2 (1kg) <p>L 7.87" (200mm) W 3.54" (90mm) H 1.38" (35mm)</p>

BALLAST TANK ANODES

WELD-ON



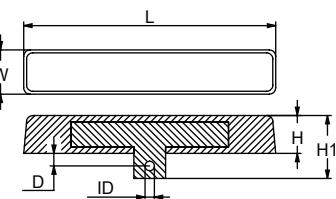
JDZT8*

- +Z 16.5 (7.5kg)
- +A 6.6 (3kg)

L 7.875" (200mm)
W 3.5" (90mm)
H 2.8" (70mm)

BALLAST TANK ANODES

COMBINATION



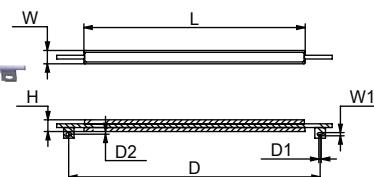
JDT9G

- +Z 22 (10kg)
- +A 9 (4.1kg)

L 15.7" (400mm)
W 2.75" (70mm)
H 2.36" (60mm)
H1 3.94" (100mm)
D 0.79" (20mm)
ID 0.59" (15mm)

BALLAST TANK ANODES

COMBINATION



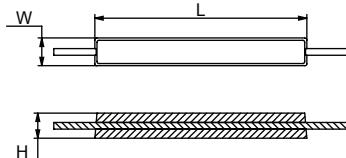
JDI13G

- +Z 25.33 (11.5kg)
- +A 11 (5kg)

L 32.3" (820mm)
W 2" (50mm)
W1 0.47" (12mm)
H 1.7" (43mm)
D 36.7" (931mm)
D1 0.35" (9mm)
D2 0.39" (10mm)

BALLAST TANK ANODES

WELD-ON



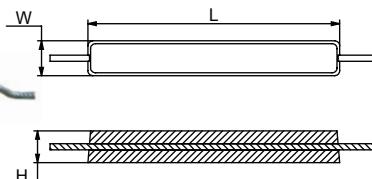
JDT13G

- +Z 28.6 (13kg)
- +A 12.3 (5.6kg)

L 19.7" (500mm)
W 2.36" (60mm)
H 2.36" (60mm)

BALLAST TANK ANODES

WELD-ON



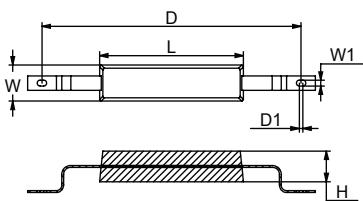
JDGBZT01

- +Z 34.4 (15.6kg)
- +A 14.5 (6.6kg)

L 20.3" (516mm)
W 2.72" (69mm)
H 2.48" (63mm)

BALLAST TANK ANODES

COMBINATION



JDT12G

- +Z 48.4 (22kg)
- +A 19.8 (9kg)

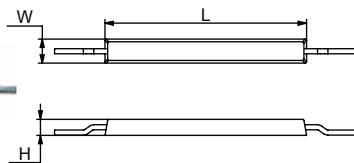
L 15.7" (400mm)
W 3.94" (100mm)
W1 0.63" (16mm)
H 3.35" (85mm)
D 28.3" (720mm)
D1 0.39" (10mm)

*Bolt holes can be added on straps as required.

BALLAST TANK ANODES



WELD-ON



JD237

+Z 55 (25kg)

L 32" (800mm)

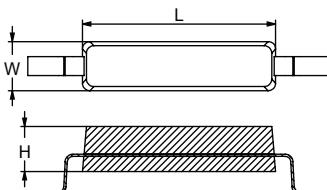
+A 22 (10kg) W 3" (74mm)

H 2.5" (64mm)

BALLAST TANK ANODES



COMBINATION



JDT3G*

+Z 108.5 (49.3kg) L 19.7" (500mm)

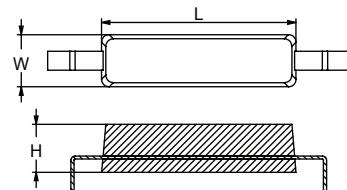
+A 44 (20kg) W 5.2" (130mm)

H 4.7" (120mm)

BALLAST TANK ANODES



COMBINATION



JDT1G*

+Z 131 (59.5kg) L 19.7" (500mm)

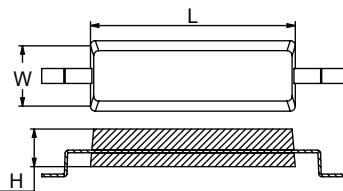
+A 50.6 (23kg) W 5.3" (135mm)

H 5.1" (130mm)

BALLAST TANK ANODES



COMBINATION



JDI17G*

+Z 437 (198.2kg) L 31.5" (800mm)

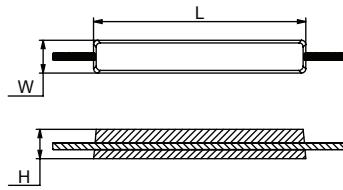
+A 167.6 (76kg) W 11" (280mm)

H 5.9" (150mm)

BALLAST TANK ANODES



WELD-ON



JDT14G

+Z 38.8 (17.6kg) L 19.7" (500mm)

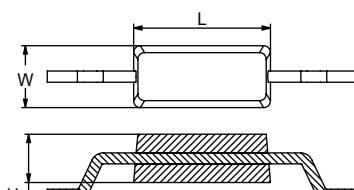
+A 16.3 (7.4kg) W 2.76" (70mm)

H 2.76" (70mm)

BALLAST TANK ANODES



WELD-ON



JDT11G

+Z 18.7 (8.5kg) L 7.87" (200mm)

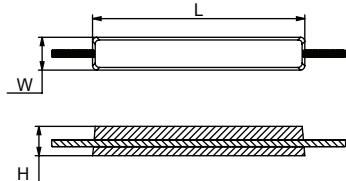
+A 8.1 (3.7kg) W 3.54" (90mm)

H 2.76" (70mm)

*Bolt holes can be added on straps as required.

BALLAST TANK ANODES

BOLT-ON



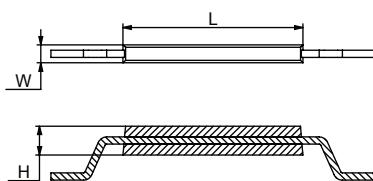
JDT14GZF

+Z	39.2 (17.8kg)	L	19.7" (500mm)
+A	16.3 (7.4kg)	W	2.76" (70mm)

H 2.76" (70mm)

BALLAST TANK ANODES

WELD-ON



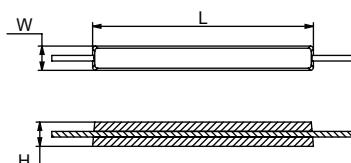
JDT15G

+Z	90.2 (41kg)	L	39.4" (1000mm)
+A	36.3 (16.5kg)	W	3.15" (80mm)

H 3.15" (80mm)

BALLAST TANK ANODES

WELD-ON



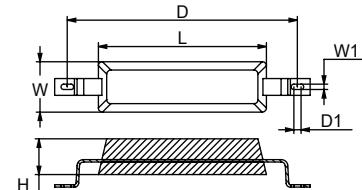
JDT16G

+Z	26.4 (12kg)	L	28.7" (730mm)
+A	11.7 (5.3kg)	W	3.15" (80mm)

H 3.15" (80mm)

BALLAST TANK ANODES

COMBINATION

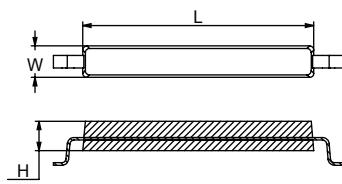


JDT19G

+Z	59 (26.8kg)	L	15.7" (400mm)
+A	22.4 (10.2kg)	W	4.72" (120mm)
		W1	0.51" (13mm)
		H	3.35" (85mm)
		D	21.6" (548mm)
		D1	0.67" (17mm)

BALLAST TANK ANODES

WELD-ON

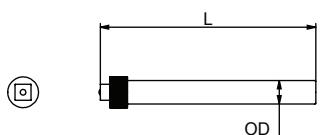


JDT22G

+Z	40.9 (18.6kg)	L	21.7" (550mm)
+A	16.9 (7.7kg)	W	2.95" (75mm)

H 2.76" (70mm)

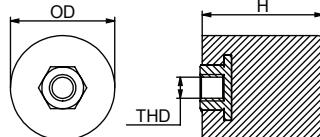
HEAT EXCHANGER ANODES



JDROD25D

+Z	1.78 (0.81 kg)	L	8.98" (228mm)
		OD	1" (25mm)

HEAT EXCHANGER ANODES

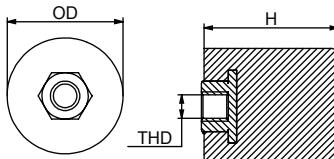
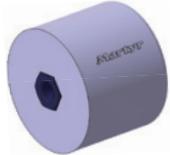


JDROD69D

+Z 4.5 (2.04kg)

L 3.15" (80mm)
OD 2.7" (69mm)
THD M16

HEAT EXCHANGER ANODES



JDROD100D

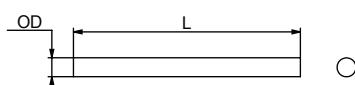
+Z 9.57 (4.35kg)

L 3.15" (80mm)
OD 4" (100mm)
THD M16

ROD STOCK



Part ID	L	OD	+Z	+A
JDROD25	11 3/4" (300mm)	1" (25mm)	2.42 (1.1kg)	1 (0.45kg)
JDROD30	11 13/16" (300mm)	1 13/16" (30mm)	3.3 (1.5kg)	1.34 (0.61kg)
JDROD40	11 13/16" (300mm)	1 1/2" (40mm)	5.95 (2.7kg)	2.4 (1.09kg)
JDROD45	11 13/16" (300mm)	1 3/4" (45mm)	7.49 (3.4kg)	3.04 (1.38kg)
JDROD50	11 13/16" (300mm)	2" (50mm)	9.24 (4.2kg)	3.74 (1.7kg)
JDROD55	11 13/16" (300mm)	2 1/4" (55mm)	11.23 (5.1kg)	4.54 (2.06kg)
JDROD60	11 13/16" (300mm)	2 5/8" (60mm)	13.44 (6.1kg)	5.44 (2.47kg)
JDROD65	11 13/16" (300mm)	2 1/2" (65mm)	15.64 (7.1kg)	6.32 (2.87kg)
JDROD70	11 13/16" (300mm)	2 3/4" (70mm)	18.28 (8.3kg)	7.4 (3.36kg)
JDROD75	11 3/4" (300mm)	3" (75mm)	20.9 (9.5kg)	8.48 (3.85kg)
JDROD80	11 13/16" (300mm)	3 1/8" (80mm)	24 (10.9kg)	9.71 (4.41kg)
JDROD85	11 13/16" (300mm)	3 3/8" (85mm)	27.1 (12.3kg)	10.97 (4.98kg)
JDROD90	11 13/16" (300mm)	3 1/2" (90mm)	30.18 (13.7kg)	12.22 (5.55kg)
JDROD95	11 13/16" (300mm)	3 3/4" (95mm)	33.7 (15.3kg)	13.63 (6.19kg)
JDROD100	11 13/16" (300mm)	4" (100mm)	37.44 (17kg)	15.15 (6.88kg)
JDROD105	11 13/16" (300mm)	4 1/8" (105mm)	41.2 (18.7kg)	16.67 (7.57kg)
JDROD110	11 13/16" (300mm)	4 3/8" (110mm)	45.15 (20.5kg)	18.28 (8.3kg)
JDROD115	11 13/16" (300mm)	4 1/2" (115mm)	49.34 (22.4kg)	20 (9.07kg)





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 composition 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!"

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 scrapyard then sells 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!





CERTIFICATE OF REGISTRATION

This is to certify that

Canada Metal (Pacific) Ltd.

7733 Progress Way, Delta, British Columbia V4G1A3 Canada

operates a

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-0068220
File No.: 802196
Issue Date: January 29, 2013

Original Certification Date: June 14, 1999
Current Certification Date: January 29, 2013
Certificate Expiry Date: January 28, 2016

Chris Jouppi
President,
QMI-SAI Canada Limited

Guillaume Gignac, ing.f
Vice President, Corporate Operations, Accreditation & Quality
QMI-SAI Canada Limited



ISO 9001



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