



*Sacrificial Anodes*

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# **Zinc**

# **Heat exchanger**

# **Sacrificial Anodes**

Corrmit Technologies Ltd. is a manufacturer of high purity sacrificial Zinc anodes with different shapes, sizes and core configuration to meet clients' specifications. Corrmit Anodes' chemical composition is environmental friendly and conforms to the latest MIL and ASTM standards. All products are tested and inspected prior to shipping. Our high purity products are suitable for industrial and marine applications including offshore structures, submarine pipelines, ship hulls and etc.

**Chemical Composition:**

Chemical composition of aluminum anode alloy is according to MIL and DNV standards. We offer two different types of anodes as follow:

- Corrmit Zn I (ASTM-B-418 TYPE I, MIL-A-18001-K)
- Corrmit Zn II (ASTM-B-418 TYPE II)

Element	ASTM-B-418 TYPE I MIL-A-18001-K	ASTM-B-418 TYPE II
Fe	0.005 % Max	0.0014% Max
Pb	0.006% Max	0.003% Max
Cu	0.005% Max	0.002% Max
Al	0.1-0.5 %	0.005% Max
Cd	0.025-0.07%	0.003% Max
Zn	Remainder	Remainder

**Electrochemical properties:**

Our products have the right electrochemical properties to fulfill your requirements. Aluminum anode's electrochemical performance data is provided as per below:

Electrochemical Performance	
Open Circuit Potential	(-) 1.05+ 0.05 V vs Ag/AgCl
Capacity at 25C	780 A-Hr/lb
Nominal efficiency	95%
Physical properties	
Alloy Density	0.258 lb/in <sup>3</sup> (7.13 gm/cm <sup>3</sup> )

### Quality Control

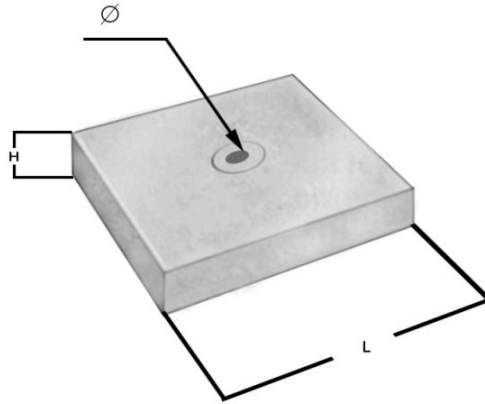
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Our inspection test plan covers every stage from the delivery of raw material to the production stage incorporating NACE, DNV, MIL, ASTM and ISO standards.

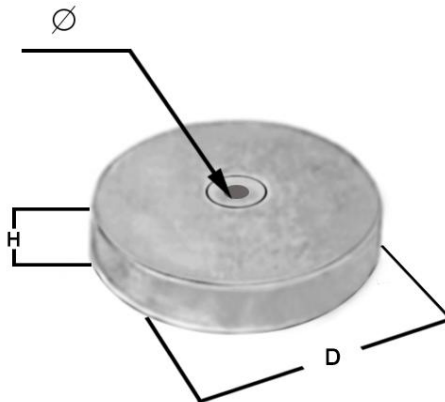
Thanks to the high grade materials we produce high quality anodes with excellent properties which exceed our clients' expectations. Every anode is weighed to ensure that we deliver the right one.

Our quality standards conform to the ISO-9001 international standards.

## Heat exchanger anodes:



Dimension Code	Net Wt.		L		H		Ø
	lbs	Kg	in	mm	in	mm	in
Di0906	9	4.1	6	152	1	25	¾



Dimension Code	Net Wt.		D		Ø	H
	lbs	Kg	in	mm	In	In
Di0002	0.8	0.35	2	50	½	1
Di0203	2.1	0.95	3	76	½	1
Di0304	3.2	1.45	4	101	½	1
Di0505	5.6	2.55	5	127	½	1
Di0706	7.1	3.2	6	152	½	1
Di0709	16	7.25	9	229	½	1

Ordering information				
Chemical composition				
Cormit Zn I Cormit Zn II	Type			
	HE	Heat exchanger anodes		
		Shape		
		05	Cube	
		06	Cylinder	
Dimension (mm)/ Dimension Code from our standard dimension table				
Please refer to Note 1				
Cormit Zn II	HE	05	Di0709	Example

Note1: You may order your desired dimension from the following table or specify your custom dimensions based on your needs.

Note 2: We will use our standard pipe size in our products unless otherwise specified by clients.

Note 3: Please contact us with your custom specifications.