

Zinc Anode Caps

Sacrificial Zinc Anodes

TRUMBULL ANODE CAPS are designed for fighting corrosion of underground bolts and nuts, and iron pipe and fittings.

These threaded hex head caps, when secured to a bolt or stud, become the sacrificial anode, corroding, while the remaining metal parts are protected. This corrosion protection continues until the Zinc is consumed.

How Zinc Caps Work

Corrosion is an electro-chemical process in which dissimilar metal parts form a galvanic cell when they are in contact with moisture. Using the common battery as an example, moisture becomes the electrolyte while the different metals in the system (such as bolts, nuts, fittings etc.) become the positive and negative ends of the battery.

The "more negative" component loses material through corrosion while protecting the "positive" component, which becomes shielded. Zinc being much more negative than most other materials, the protected component is essentially immune to corrosion as long as there is Zinc remaining to consume.

Zinc Anode Caps offer protection for other system components made of steel, cast iron, ductile iron, brass and copper (as shown in the Galvanic Series Chart on the reverse side). The quantity of Zinc Anode Caps used determines the service life of the protected component.

Trumbull Zinc Anode Caps are made from high grade Zinc that conforms to the chemical requirements of both ASTM B418-88, "Galvanic Zinc Anodes", and, U.S. Navy Specification Mil-18001 H.



Typical Installation



6 oz.



2.5 oz.

2.5 oz. Small Zinc Anode Caps

Description	Domestic	Non-Domestic
	Trumbull Item No.	Trumbull Item No.
5/8"-11, N.C.	364-1004	364-9004
3/4"-10, N.C.	364-1006	364-9006

Please inquire about Anode Caps with different weights or shapes.

6 oz. Large Zinc Anode Caps

Description	Domestic	Non-Domestic
	Trumbull Item No.	Trumbull Item No.
5/8"-11, N.C.	364-1008	364-9008
3/4"-10, N.C.	364-1010	364-9010
7/8"-9, N.C.	spec/order	364-1011
1"-8, N.C.	364-1012	spec/order

See reverse side for drawing.

Material: High Grade Zinc

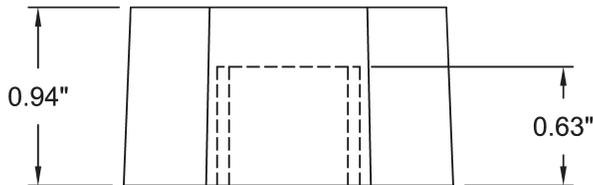
Conforms to chemical requirements of
ASTM B418-88, "Galvanic Zinc Anodes",
and, U.S. Navy Specification, Mil-18001 H

Galvanic Corrosion Chart	
Metal Type	Volts
Zinc (Mil Spec Anodes)	-1.1
Commercially pure aluminum	-0.8
Mild steel, clean	-0.5 to -0.8
Mild steel, rusted	-0.2 to -0.5
Cast iron	-0.5
Lead	-0.5
Mild steel, in concrete	-0.2
Copper, Brass, Bronze	-0.2
High silicon cast iron	-0.2

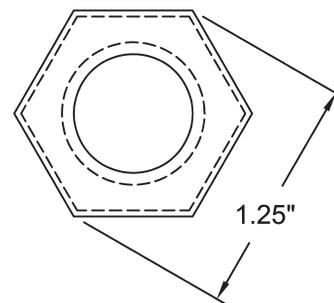
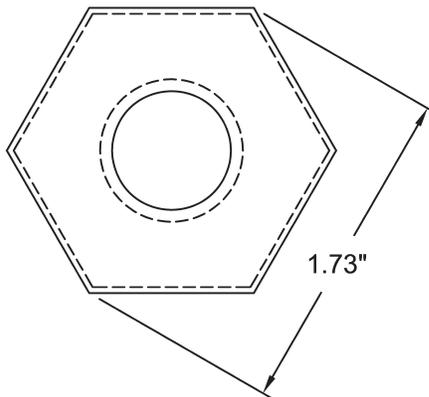
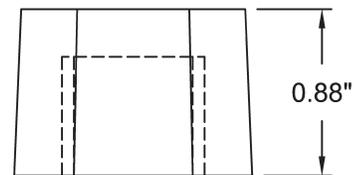
Large Anode Cap
6 ounces



Small Anode Cap
2-1/2 ounces



2° Taper, typical



Item No.	Tapped	Weight (oz.)
364-1004	5/8"-11 NC	2-1/2
364-1006	3/4"-10 NC	2-1/2
364-1008	5/8"-11 NC	6
364-1010	3/4"-10 NC	6
364-1012	1"- 8 NC	6

Drawn:	Drawing Revision:	
Date	Rev.	Date
6/28/94	M	1/17/11

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Drawn to Scale
ZINC ANODE CAPS