

**Strip Anodes**  
**for**  
**Internal Pipe Protection,**  
**Internal Valve Protection**  
**Locks & Dams**  
**Etc.**



**Strip Anode**

# CerAnode<sup>TM</sup> Technologies International

Division of APS-Materials, Inc. -----

The CerAnode Strip features a multi-layered versatile anode construction providing exceptional impact resistance, mechanical strength, chemical resistance and electrochemical durability. In addition to the standard versions of the anode described below, the basic design allows for easy modification to meet the demands of varied applications requiring a different current rating, mounting technique or cable attachment.

The anode with its primary shield protrudes a fraction of an inch from the surface to which it is mounted. Its hydrodynamic design allows it to be mounted internally in pumps and pipelines with fast flowing media. The shield arrangement and size is tailored to the application.

CerAnode's very thin anode coating in combination with its ductile titanium substrate is extremely durable. The particular mixed metal oxide ceramic is custom formulated and is tested at extremely high current densities to insure consistent product quality. It consists of Iridium, tantalum and titanium metal oxides in sufficient quantities and ratios to provide a life expectancy beyond its cataloged value. The anode is classified as inert being made from some of the most corrosion resistant materials known to man. This provides the conservatism in anode design needed to assure a long life even in harsh environments. Since this ceramic material will support the evolution of both oxygen and chlorine, it is the choice for fresh water and sea water environments.

The design life and current rating and anode size can be adjusted to meet most requirements. Operating temperature for highest design life is 5-50<sup>o</sup> C (10-50<sup>o</sup> for seawater). There is no maximum operating voltage.

The Strip Anode geometry is particularly useful where it is desirable to optimize for low voltage, low power or where a higher current is needed for fresh water applications. The Strip Anodes are excellent where a high power anode is required.

It mounts by means of dielectric mounting studs eliminating any additional dielectrics or spacers. One of the mounting studs doubles as a power feed in the form of a terminal or Underwater Connector. Appropriate gasketing and other seal technology is used to assure a proper environmental isolation.

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When requesting a quotation please specify as many anode characteristics as possible such as Electrolyte, Current Rating, Desired Life, Anode Length, Shield Size, Number of Mounting Studs, Terminal Connector or Underwater Connector. Consult CerAnode for additional details relative to the design parameters. We look forward to serving you.



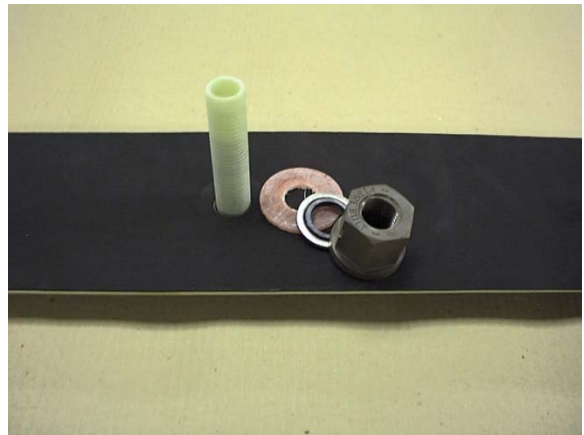
**Anode & Underwater Connector Cable**



**Underwater Female Connector**



**Underwater Male Connector**



**One of the Multiple Mounting Stud**