



INCORR ENGINEERING & TRADING

* Cathodic Protection Materials Manufacturer/Stockist

61 KAKI BUKIT AVENUE 1 #03-18

SHUN LI INDUSTRIAL PARK

SINGAPORE 417943

TEL: (65) 68446822

FAX: (65) 68446833

EMAIL: admin@incorr.com.sg

WEB SITE: <http://www.incorr.com.sg>

INCORR LEAD/SILVER/ANTIMONY ANODES

INCORR Lead / Silver / Antimony Anodes are suitable for wharves and jetties, offshore mobile drilling rigs and other structure in seawater.

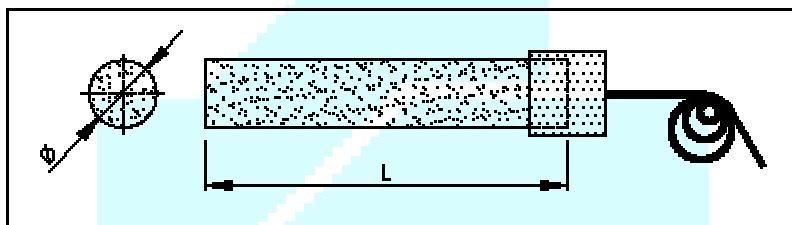
Lead / Silver/ Antimony anodes can perform effectively as a semi-permanent anode due to the formation of a PbO_2 layer. This will also be formed when lead is used alone. However, this PbO layer will be very porous if lead is not alloyed with silver / antimony. The PbO_2 layer will not form either if the anode current density is too low or lack of oxygen. However, in some cases such as installing the Lead / Silver / Antimony anode in fresh water, the oxygen generated not only forms the PbO_2 but may also spall of the PbO_2 layer. For these reasons, we normally install Lead / Silver / Antimony Anode in seawater installations but not in fresh water, soil or seabed.

The consumption rate of Lead / Silver / Antimony Anode is in the range of 45 gm/Amp-yr to 65 gm/Amp-yr.

MATERIAL COMPOSITION

Element	Composition (Weight %)
Lead	93
Antimony	6
Silver	1

ANODE DIMENSIONS



Anode Type	Nett anode weight (kg)	Anode length L (mm)	Anode diameter Ø (mm)
IL-45	45	975	75
IL-23	23	975	54

Note: All anodes fitted with standard 6m x 35mm² XLPE/PVC cathodic protection copper cable. Other cables such as submarine cables are available on request.