LIDA® Rod Anodes

LIDA TSA™ is a trademark of Industrie De Nora

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LIDA® Rod Anodes are comprised of a titanium substrate with a mixed metal oxide coating. The mixed metal oxide is a crystalline, electrically-conductive coating that activates the titanium and enables it to function as an anode.

Anode Life — Due to the extremely low consumption rates and dimensional stability of mixed metal oxide anodes, the electrical resistance of LIDA® Rod Anodes remain essentially constant with time.

The high current density capacity of De Nora mixed metal oxide anodes has the added advantage of allowing high current overloads for initial polarization without causing harm to the anode.

Anode life projections are accurately made using the lifetime graphs
(See Figures 1-7 on back).

De Nora LIDA® Rod Anodes are available in the following standard sizes:
1/8" x 4' • 1/4" x 4' • 1/2" x 4' • 3/4" x 4'

Selection of the anode coating is based on operating environment:
FW Freshwater or Brackish Water
SWT Seawater

APPLICATIONS

- Process Vessels
- Water Condensor Boxes
- Heat Exchangers
- Water Intake Structures

FEATURES

- High Current Output
- Low Coating Wear Rate
- Five Year Product Warranty
- Also available as Rod Anode Assemblies

BENEFITS

- Lower Cost Per Ampere Year
- Constant Electrical Resistance
- No Hassles

Standard Rod Assemblies

	Freshwater or Brackish Water		Sea Water Environments	
Part Number	FA-ROD 0.5FW	FA-ROD 0.75FW	FA-ROD 0.5SW	FA-ROD 0.75SW
Max. current output	1.6amps	2.4 amps	9.7 amps	14.6 amps
Rod Diameter	0.5 inch (1.27 cm)	0.75 inch (1.91 cm)	0.5 inch (1.27 cm)	0.75 inch (1.91 cm)
Total Length	24 inch (61 cm)	24 inch (61 cm)	24 inch (61 cm)	24 inch (61 cm)
Active Length max-User specified	16 inch (41 cm)	16 inch (41 cm)	16 inch (41 cm)	16 inch (41 cm)
FRP Length	6 inch (15 cm)	6 inch (15 cm)	6 inch (15 cm)	6 inch (15 cm)
Maximum water velocity	2ft/sec (.6 M/sec)	5ft/sec (1.5 M/sec)	2ft/sec (.6 M/sec)	5ft/sec (1.5 M/sec)

DE NORA

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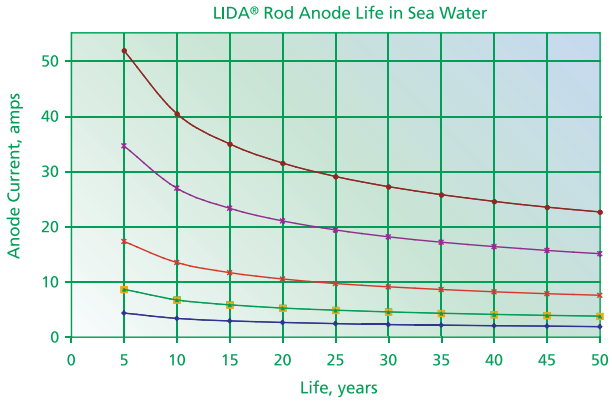
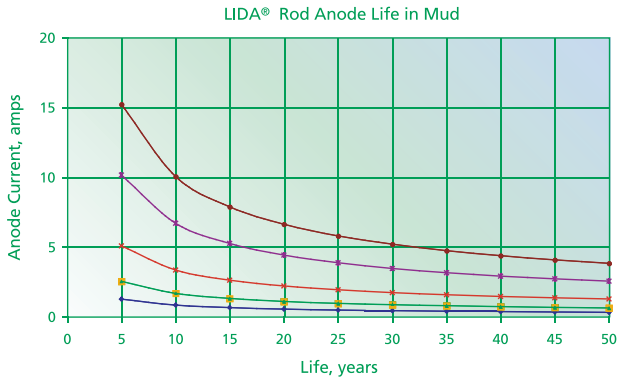
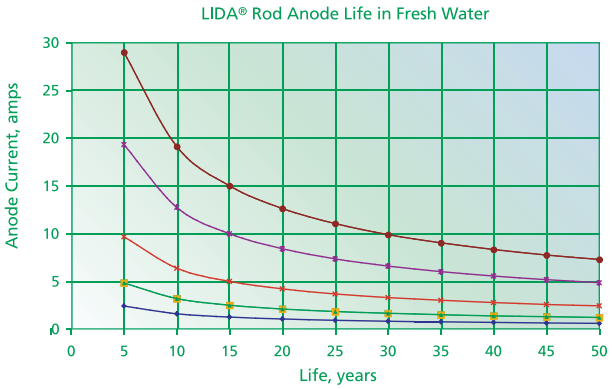
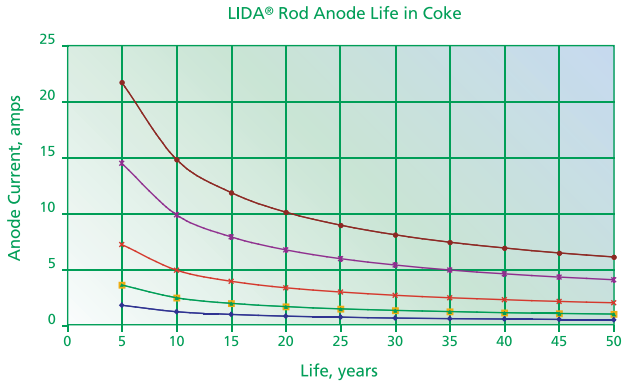
CATHODIC PROTECTION

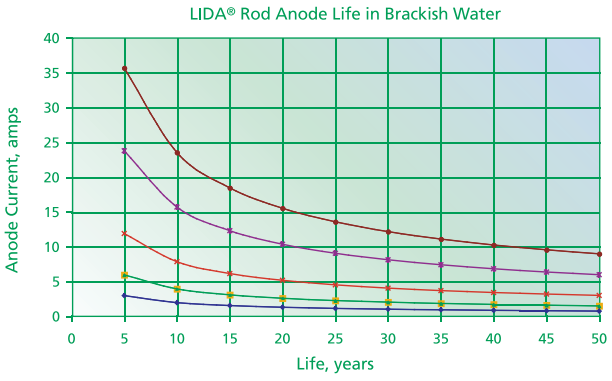
LIDA® Rod Anodes

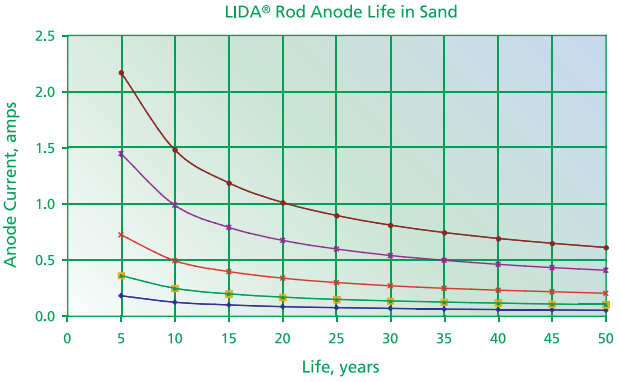












Maximum Current for LIDA® Rod Anodes (life in years)

- ⅛ Rod, STD
- ⅛ Rod, XL
- ¼ Rod, STD
- ¼ Rod, XL
- ½ Rod, XL
- ¾ Rod, XL

STD = standard
XL = extended life

Lifetimes for the ¼" STD and the ⅛" XL are equivalent.

QUALITY SYSTEM CERTIFICATION ISO 9001:2008 DNV

DE NORA

www.denora.com

Durantes Vincunt

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