

# DISC ANODES

NMT® Electrodes Disc Anodes are manufactured using titanium which meets ASTM B265 Grade 1 or 2 standards.

NMT® Electrodes' Mixed Metal Oxide coatings are electrically conductive which activates the titanium tube allowing it to function as an anode.

NMT® Electrodes Mixed Metal Oxide Anodes have an extremely low consumption rate, therefore, the titanium substrate remains nearly constant throughout the design life of the anode. This provides a consistently low resistance anode.

NMT® Electrodes Mixed Metal Oxide Anodes exhibit high chemical stability even when exposed to low pH (acidic) environments and are suitable for use in chlorine- or oxygen-evolving electrolytes or a combination of both.

Applications for NMT® Electrodes Mixed Metal Oxide Disc Anodes include use in condensers of power plants, water tanks, marine structures and internal protection of pipes. The disc anodes operate in fresh water, brackish water and seawater environments.

NMT® Electrodes MMO Disc Anodes are available in standard diameters of 25 mm, 60 mm, 100 mm and 150 mm. Other sizes and current ratings are available upon request.

## ADVANTAGES

- No voltage restriction
- Dimensionally stable

Electrolyte	Maximum Current Density
Fresh water	100 A / m <sup>2</sup>
Brackish water	100 - 300 A / m <sup>2</sup>
Seawater	600 A / m <sup>2</sup>

## NOTES:

- Coating loading is able to be increased or decreased depending on the life and current density requirements stipulated by the client
- The current density should be determined in accordance with fresh water resistivity.

