Corrosion stops here!

PRODUCT CATALOG

WWW.TECHNOPROTECTION.COM
SACRIFICIAL ANODES

MAGNESIUM ANODE IN CARDBOARD TUBE

Sacrificial magnesium anode in ingot form available in a cardboard tube filled with anolyte. The model number corresponds to the weight of the ingot. Ideal for all types of inground infrastructures such as watermains, metallic culverts, guyed tower anchors, etc.

<table>
<thead>
<tr>
<th>MODELS</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
</table>
| AS-32-MT | Dimensions 8” diameter x 27.5” length  
Total weight 75 lb |
| AS-20-MT | Dimensions 5” diameter x 64” length  
Total weight 85 lb |
| AS-17-MT | Dimensions 5” diameter x 34” length  
Total weight 30 lb |
| AS-09-MT | Dimensions 5” diameter x 21” length  
Total weight 18 lb |
| AS-05-MT | Dimensions 5” diameter x 14” length  
Total weight 12 lb |

COATINGS

GALVAMAC


<table>
<thead>
<tr>
<th>MODELS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>P-GAL-1G</td>
<td>#Z20061, 1 Gal. (3.37 L). Weight 22 lb</td>
</tr>
</tbody>
</table>
The Spin-mag anode was developed following the very high demand in the municipal industry. Considering the growth of utilization of PVC potable water conduits, the soil aggressivity is concentrating on the iron accessories, the fire hydrants and its valves which reduce considerably the life expectancy of the hydrants. The Spin-mag anode was designed especially for installation without excavation thus permitting prolongation of the life expectancy of the equipments against corrosion.

This anode is so successful that it is now used to protect buried structures where access is limited such as guyed tower anchors, metallic culverts, etc.

Magnesium sacrificial anode especially designed for installation without excavation.

### MODELS | SPECIFICATIONS
---|---
SMP-20 | Dimensions 5” diameter x 56” length
| Max weight 20 lb

### TECHNO CAP

Threaded hex head zinc cap - Model 3/4” - 175 grams for protection of glands, bolts and screws. Compliant with ASTM B418-88 standard.

### MODELS | SPECIFICATIONS
---|---
ZINC T-CAPS ¾-175 | For ¾” threaded rod
| Weight 175 grams

ZINC T-CAPS ⅝-175 | For ⅝” threaded rod
| Weight 175 grams
SACRIFICIAL ANODES

RING ANODE

The Ring Anode™ was originally developed in joint effort with our sister company TECHNO PIEUX. Within the continuing philosophy of our company which is to offer durable and solid products, the Ring Anode™ adds supplementary protection of the helical piles.

The Ring type sacrificial magnesium anode permits punctual protection of small infrastructures such as helical piles, vents, fill pipes and wharf supports, etc.

<table>
<thead>
<tr>
<th>MODELS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>RA-1</td>
<td>Dimensions 2” int. diameter x 9” height • Weight 1 lb</td>
</tr>
<tr>
<td>RA-2</td>
<td>Dimensions 2 ½” int. diameter x 3” height • Weight 1 lb</td>
</tr>
<tr>
<td>RA-3</td>
<td>Dimensions 3 ¾” int. diameter x 2 ½” height • Weight 1 lb</td>
</tr>
<tr>
<td>RA-4</td>
<td>Dimensions 4 ½” int. diameter x 2 ⅜” height • Weight 2 lb</td>
</tr>
<tr>
<td>RA-5</td>
<td>Dimensions 5” int. diameter x 2 ⅜” height • Weight 2 lb</td>
</tr>
</tbody>
</table>

IMPRESSIONED CURRENT ANODES

TITA-TUBE ANODE

Impressed current tubular anode. Normally used in open excavation at the time of installation of the piping. Designed for long term protection of underground infrastructures when excavation work is required. Ideal for all underground infrastructures such as hydraulic elevator cylinders, wharves and marine infrastructures.

<table>
<thead>
<tr>
<th>MODELS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>TT-2</td>
<td>Dimensions 2” diameter x 30” length Total weight 13 lb</td>
</tr>
</tbody>
</table>
Spin Anodes™ are screwable impressed current anodes. They do not require any excavation. These anodes are available in various sizes depending on the current needed to protect the structure.

Originally developed by our engineering department for the protection of helical piles used by our parent company Techno Metal Post, the Spin Anodes™ have experienced such success that they are now applicable and available for the protection of all buried structures.

This type of anode allows the protection of underground structures such as foundation piles, pipes and tanks. The easy installation process requires no excavation. It can be installed anywhere without difficulty, both in urban and in rural areas, as well as in the desert.

Impressed current screw-in type anode installed without excavation. Designed initially for long term protection of helical piles, it was so successful that it is now used to protect iron watermains, aboveground tank bottoms, guyed tower anchors, metallic culverts, elevator cylinder sleeves, etc.

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<th>MODELS</th>
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</table>
| SP-2   | Dimensions 2” diameter x 65” length  
Total weight 28 lb |
| SP-3   | Dimensions 3” diameter x 65” length  
Total weight 75 lb |
CURRENT RECTIFIERS

MINI-PROTEC RECTIFIERS

Small dimensions current rectifier with a DC of 3.5 Volts / 1 amp capacity. Ideal for long term cathodic protection of small underground infrastructures. Connects directly in a current outlet. Available for 120 Volts or 240 Volts AC power input.

<table>
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</table>
| Mini-Protec 120/240 | Dimensions 3 ½” H x 3” W x 2 ½” D  
Weight 0.5 lb |

1Z RECTIFIERS

Current rectifier with a DC of 15 Volts / 2.5 amps capacity. This rectifier is equipped with a circuit (1 zone). Connects directly in a current outlet. Available for 120 Volts or 240 Volts AC power input.

<table>
<thead>
<tr>
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</table>
| 1Z-120 | Dimensions 3” H x 5.5” W x 4” D  
Weight 1 lb |
| 1Z-240 | Dimensions 3” H x 5.5” W x 4” D  
Weight 1 lb |

3Z RECTIFIERS (TECHNO CALK)

Current rectifier with a 15 Volts / 3 X 2 amps DC capacity. This rectifier equipped with three circuits (3 zones) allows the utilization of many independently adjustable anodes. Connects directly in a current outlet. Available for 120 Volts or 240 Volts AC power input.

<table>
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</table>
| 3Z-120 | Dimensions 7” H x 11” W x 5” D  
Weight 3 lb |
| 3Z-240 | Dimensions 7” H x 11” W x 5” D  
Weight 3 lb |
CURRENT RECTIFIERS

RVC RECTIFIERS

Constant current rectifier having a DC maximum capacity of 20 Volts / 7.5 amps or 40 Volts / 15 amps. Ideal for long term cathodic protection of large belowground infrastructures. Wide choice of metallic indoor or outdoor cabinets with optional fiberglass cabinet. Available for 120 Volts or 240 Volts AC power input.

<table>
<thead>
<tr>
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</table>
| RVC-20/7.5 Int | Dimensions 10” H x 10” W x 7” D  
Weight 22 lb     |
| RVC-20/7.5 Ext | Dimensions 10” H x 10” W x 7” D  
Weight 22 lb     |
| RVC-20/7.5 Fib | Dimensions 11” H x 13” W x 6” D  
Weight 18 lb     |
| RVC-40/15 Int | Dimensions 13” H x 13” W x 10” D  
Weight 40 lb     |
| RVC-40/15 Ext | Dimensions 13” H x 13” W x 10” D  
Weight 40 lb     |

SOLAR RECTIFIERS

The solar type rectifier fills particular needs where traditional current source is inaccessible. Furthermore, it complies with the actual thought pattern which is centered on long-lasting goods as well as environment and resources respect.

Models available on request.
REFERENCE ELECTRODES

Techno Protection is proud to be Borin Manufacturing’s official certified distributor in Canada.

For more information about our products, please visit the website www.borin.com/stelth/ or contact our material departement.

E-POR-MC-CU-P
RE-5 Reference Electrode - CU/CUSO4, Portable, Flat Plug

E-POR-MC-CU-C
RE-5C Reference Electrode - CU/CUSO4, Portable, Cone Plug

EMB-MC-CU-P
RE-5 Replacement Flat-shaped Plug Assembly

EMB-MC-CU-C
RE-5C Replacement Cone-shaped Plug Assembly
For anode connection, use RED cable; for negative, use BLACK cable; and for reference electrode connection, use WHITE cable. These cables can be utilized below ground. Available in 300 m spools or by the meter. Multiple types are available upon request.

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<tr>
<td>CB-12-R</td>
<td>AWG #12 Cable - RWU90 Red</td>
</tr>
<tr>
<td>CB-12-N</td>
<td>AWG #12 Cable - RWU90 Black</td>
</tr>
<tr>
<td>CB-12-B</td>
<td>AWG #12 Cable - RWU90 White</td>
</tr>
<tr>
<td>CB-10-R</td>
<td>AWG #10 Cable, RWU90 Red</td>
</tr>
<tr>
<td>CB-10-N</td>
<td>AWG #10 Cable - RWU90 Black</td>
</tr>
</tbody>
</table>

**Underground Cables**

**Potential Readings Cable**

CB-BP-30-8

Approximately 8 km spool of n°30 utilized with back pack.

CB-HP-30-1.6

Approximately 1,6 km spool of n°30 utilized with small hip pack.

HIP PACK

Small potential reading cable distributor bag.

HYKON

Hykon rotating wire wheel. Utilized for continuity test measurements, potential readings (short distance) and cathodic protection survey. Includes 200 m of Belden AWG# 18 black cable.
TEST STATIONS

**ABOVE GROUND**

Above ground test station for easy access to the cables. Ideal for tracing wire, anode cable, structure cable and reference electrode.

Techno Protection is proud to be Borin Manufacturing’s official certified distributor in Canada.

For more information about our products, please visit the website: [www.borin.com/bulletbox/](http://www.borin.com/bulletbox/) or contact our material department.

**BELOW GROUND**

Below ground cathodic protection test stations. To access anode cables, structure cables and reference electrode.

For more information about our products, please visit the website: [www.handleyind.com](http://www.handleyind.com) or contact our material department.
CABLE CONNECTIONS

CADWELD CONNECTIONS  ERICO (Cadweld)

Product required to produce exothermic cadweld. Ideal to connect the anode or the negative cables to the structures to be protected. Multiple models available on request.

<table>
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<th>MODELS</th>
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<tbody>
<tr>
<td>Plus-Cu</td>
<td>Cadweld Plus remote control unit</td>
</tr>
<tr>
<td>CA15PLUSF33</td>
<td>Cadweld Plus welding material - Type F33 for AWG #12-10 cable (Package of 20)</td>
</tr>
<tr>
<td>B-133-1H</td>
<td>Copper sleeves for AWG #14-12 cable (bag of 100)</td>
</tr>
<tr>
<td>B-133-1L</td>
<td>Copper sleeves for AWG #14-12 cable (bag of 100)</td>
</tr>
<tr>
<td>CAHBA1G</td>
<td>Horizontal cadweld mold</td>
</tr>
<tr>
<td>CAVHT1G4</td>
<td>Vertical cadweld mold</td>
</tr>
</tbody>
</table>

SPLICES

3M-DBR

Connection kit for inground cable. Model 3M Direct bury splice kit.
CABLE CONNECTIONS

GROUND CLAMPS (M.A.L.T.)

MALT-0.5-1.0
Ground clamps for anode connection to metallic parts in diameters from ½” to 1”.

MALT-1.25-2.0
Ground clamps for anode connection to metallic parts in diameters from 1 ¼” to 2”.

MALT-2.5
Ground clamps for anode connection to metallic parts 2 ½” diameter.

MALT-4.5
Ground clamps for anode connection to metallic parts 4 ½” diameter.

ISOLATING MATERIAL

H-CAP
Handy Cap (TAPECOAT)
Quick, field-applied corrosion protection to anode and test lead cadwelds on metal piping and tanks.
CABLE CONNECTIONS

ISOLATING MATERIAL

Royston Roskote Mastic A51+ (TAPECOAT)
Used for protection of ground clamps and cadwelds of cables and anodes on metallic piping.

TC Mastic (TAPECOAT)
Used for protection of ground clamps and cadwelds of cables and anodes on metallic piping.

POTENTIAL MEASUREMENT KIT

Kit to measure the potentials using a Cu/CuSO4 reference electrode.
Allows verification of the good operation of the cathodic protection system.