

## SACRIFICIAL ALUMINIUM ANODE

### Information

Aluminium Anodes are usually applied in Water, Sea Water or Produced Brines. Standard Aluminium Anodes are supplied in variety of Sizes and Weights. Prolonged exposure above 122°F will result in excessive Consumption of Anode Material.

### Aluminium Alloys

| Elements     | Mil -A-24779 | DNV RP B401   | GALVALUAM III |
|--------------|--------------|---------------|---------------|
| Silicon      | 0.08 – 0.20  | 0.12 max      | 0.08 – 0.20   |
| Iron         | 0.09 max     | 0.09 max      | 0.13 max      |
| Zinc         | 4.0 – 6.5    | 2.5 – 5.75    | 2 - 6         |
| Indium       | 0.014 -0.020 | 0.015 – 0.040 | 0.01 – 0.02   |
| Copper       | 0.004 max    | 0.003 max     | 0.006 max     |
| Others(each) | 0.02 max     | 0.02 max      | 0.02 max      |
| Aluminium    | Remainder    | Remainder     | Remainder     |

### Weld on - Tear Drop

| Anode Type(New) | Anode Dimensions(mm) |       |        | Core Dimensions(mm) |       |        | Weight (kg) |           |
|-----------------|----------------------|-------|--------|---------------------|-------|--------|-------------|-----------|
|                 | Length               | Width | Height | Length              | Width | Height | Net wt.     | Gross Wt. |
| BTA005T         | 120                  | 40    | 25     | 200                 | 10    | 3      | 0.2         | 0.25      |
| BTA011T         | 180                  | 60    | 32     | 260                 | 20    | 3      | 0.4         | 0.5       |
| BTA020T         | 220                  | 75    | 38     | 300                 | 20    | 3      | 0.8         | 0.9       |
| BTA031T         | 200                  | 95    | 30     | 300                 | 20    | 3      | 1.2         | 1.4       |

### Weld on - Double Strap

| Anode Type | Anode Dimensions(mm) |       |        | Core Dimensions(mm) |       |        | Weight (kg) |           |
|------------|----------------------|-------|--------|---------------------|-------|--------|-------------|-----------|
|            | Length               | Width | Height | Length              | Width | Height | Net wt.     | Gross Wt. |
| BTA100D    | 305                  | 152   | 36     | 254                 | 32    | 5      | 3.8         | 4.5       |
| BTA177D    | 305                  | 152   | 64     | 254                 | 32    | 5      | 7.4         | 8         |
| BTA322D    | 460                  | 230   | 51     | 430                 | 32    | 6      | 13.5        | 14.5      |

### Bolt on Type

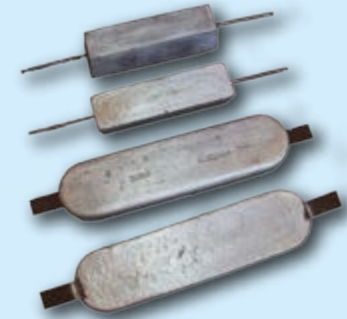
| Anode Type | Length(mm) | Width(mm) | Height(mm) | C-C(mm) | Plate Width(mm) | Plate Thickness(mm) | Net Wt.(Kg) | Gross Wt.(Kg) |
|------------|------------|-----------|------------|---------|-----------------|---------------------|-------------|---------------|
| BTA040B    | 200        | 100       | 30         | 110     | 50              | 5                   | 1.4         | 1.8           |
| BTA046B    | 200        | 100       | 40         | 110     | 50              | 5                   | 1.7         | 2.1           |
| BTA071B    | 300        | 150       | 25         | 160     | 75              | 5                   | 2.8         | 3.2           |
| BTA082B    | 300        | 150       | 30         | 160     | 75              | 5                   | 3.3         | 3.7           |
| BTA113B    | 300        | 150       | 40         | 160     | 75              | 5                   | 4.7         | 5.1           |
| BTA128B    | 300        | 150       | 50         | 160     | 75              | 5                   | 5.4         | 5.8           |
| BTA133B    | 300        | 200       | 40         | 160     | 100             | 5                   | 5.6         | 6             |
| BTA237B    | 300        | 200       | 65         | 160     | 100             | 5                   | 10.3        | 10.7          |
| BTA297B    | 400        | 180       | 70         | 180     | 80              | 5                   | 13.1        | 13.4          |
| BTA344B    | 540        | 200       | 65         | 340     | 100             | 5                   | 15.1        | 15.5          |

### Electrochemical Properties :

- Solution Potential: -1.1V w.r.t Ag/AgCl
- Capacity: 2500 Ah/kg (min)
- Density: 2750 kg/m<sup>3</sup>

Customized Alloy, Dimensions and shape can be produced against order

## SACRIFICIAL ALUMINIUM ANODE



Aluminium Anode



Bracelet Anode

- Tear Drop Anodes
- Stand OFF Anodes
- Tank Anodes
- Hull Anodes
- Bracelet Anodes

### Aluminium Platform / Jetties Anodes

| Anode Type | Length (mm) | Width (mm) | Height (mm) | Cores | Net Wt. (Kg) | Gross Wt. (kg) |
|------------|-------------|------------|-------------|-------|--------------|----------------|
| BTA0866P   | 740         | 140        | 136         | 1"    | 35           | 39             |
| BTA1377P   | 740         | 190        | 162         | 1"    | 58           | 62             |
| BTA1644P   | 1520        | 136        | 126         | 1"    | 68           | 74             |
| BTA2044P   | 1520        | 138        | 152         | 1.5"  | 86           | 92             |
| BTA10088P  | 2450        | 306        | 261         | 4"    | 400          | 454            |
| BTA12622P  | 2450        | 340        | 260         | 4"    | 500          | 568            |
| BTA14333P  | 3050        | 282        | 286         | 4"    | 570          | 645            |

### Weld on - Single Strap

| Anode Type(New) | Anode Dimensions(mm) |       |        | Core Dimensions(mm) |       |        | Weight (kg) |           |
|-----------------|----------------------|-------|--------|---------------------|-------|--------|-------------|-----------|
|                 | Length               | Width | Height | Length              | Width | Height | Net wt.     | Gross Wt. |
| BTA035W         | 200                  | 95    | 33     | 300                 | 25    | 5      | 1.2         | 1.6       |
| BTA048W         | 290                  | 90    | 40     | 440                 | 30    | 5      | 1.7         | 2.2       |
| BTA055W         | 300                  | 90    | 40     | 400                 | 25    | 5      | 2.1         | 2.5       |
| BTA095W         | 340                  | 155   | 35     | 450                 | 38    | 5      | 3.7         | 4.3       |
| BTA106W         | 400                  | 150   | 33     | 540                 | 40    | 5      | 4           | 4.8       |
| BTA148W         | 440                  | 105   | 60     | 560                 | 30    | 5      | 6           | 6.7       |
| BTA202W         | 550                  | 130   | 50     | 680                 | 50    | 5      | 8           | 9.1       |
| BTA224W         | 550                  | 130   | 50     | 650                 | 40    | 8      | 8.4         | 10.1      |
| BTA246W         | 550                  | 135   | 58     | 680                 | 50    | 5      | 10          | 11.1      |
| BTA302W         | 550                  | 130   | 75     | 680                 | 50    | 5      | 12.5        | 13.6      |
| BTA324W         | 920                  | 130   | 50     | 1075                | 50    | 5      | 13          | 14.6      |
| BTA437W         | 920                  | 130   | 65     | 1075                | 50    | 5      | 18          | 19.7      |
| BTA444W         | 920                  | 160   | 60     | 1020                | 40    | 8      | 17.4        | 20        |
| BTA504W         | 920                  | 130   | 75     | 1075                | 50    | 5      | 21          | 22.7      |