



**Zincoline®**  
Sacrificial Anode, Cathodic Protection, Zinc Alloys



1. Descriptions of various anodes.
2. Packaged anodes available also.

**Applications:**

Ballast tanks, and hulls of ships, craypots, condensers, jetties, and subsea pipeline applications in bracelet configuration. Land based applications include pipelines, piling and tanks for earthing, temporary and permanent protection.

Zinc anodes are not suitable for use in applications above 50°C.

**Characteristics:**

Zincoline are cast from 99.995% purity zinc alloyed to ensure an even corrosion pattern, reliable electrical efficiency and long working life. Their effective life can exceed 20 years.

**Materials:**

Zincoline anodes are cast to AS 2239 –2003 alloy Z1 / US Mil Spec A-18001K and yield 780 ampere hours per kilogram of alloy with a solution potential of –1100mV as measured against a copper / copper sulphate reference cell.

The specification demands stringent analytical control and WWI, with a number of casting facilities throughout the world, use the very latest analysis and quality control techniques to produce products of a consistently high standard.

**Product Range:**

A list of standard anode types is given over, however, Savcor have the facility to supply specialised designed anodes outside this range to suit custom end use requirements.

**Chemical Composition**

| Element | Aluminium | Cadmium | Silicon | Iron  | Lead  | Copper | Other impurities each | Other impurities total | Zinc      |
|---------|-----------|---------|---------|-------|-------|--------|-----------------------|------------------------|-----------|
| Min.    | 0.10      | 0.025   | -       | -     | -     | -      | -                     | -                      | remainder |
| Max.    | 0.50      | 0.07    | 0.005   | 0.005 | 0.006 | 0.005  | 0.005                 | 0.02                   | remainder |

|                            |                     |                   |                        |                    |
|----------------------------|---------------------|-------------------|------------------------|--------------------|
| Vic/Tas/SA<br>03 9993 7500 | NSW<br>02 9663 2322 | NZ<br>09 414 5080 | QLD/NT<br>07 3890 8533 | WA<br>08 9248 8999 |
|----------------------------|---------------------|-------------------|------------------------|--------------------|

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential uses are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

**Zinc line dimensions**

| Shape  | Order code | Type        | A    | B    | C   | D   | E   | F  | G  | Nett Wt. | Gross* Wt. |  |
|--|------------|-------------|------|------|-----|-----|-----|----|----|----------|------------|--|
|  | 80450      | WZ4         | 355  | 255  | 75  | 32  | 32  | 3  |    | 3.3      | 3.6        |  |
|  | 80460      | WZ5(Y)      | 230  | 150  | 150 | 25  | 25  | 5  |    | 3.6      | 4.0        |  |
|  | 80475      | WZ7         | 350  | 270  | 150 | 32  | 40  | 5  |    | 6.5      | 7.1        |  |
|  | 80505      | WZ12        | 533  | 406  | 150 | 32  | 40  | 5  |    | 11.1     | 11.8       |  |
|  | 80520      | WZ18        | 778  | 585  | 120 | 35  | 40  | 5  |    | 17.0     | 18.3       |  |
|  |            | WZ22        | 648  | 546  | 127 | 50  | 40  | 5  |    | 21.3     | 22.5       |  |
|  | 80545      | WZ27        | 648  | 546  | 127 | 64  | 40  | 5  |    | 25.9     | 27.0       |  |
|  | 80550      | WZ35        | 1016 | 914  | 127 | 50  | 40  |    |    | 35.0     | 36.5       |  |
|  | Order code | Type        | A    | B    | C   | D   | E   | F  | G  | Nett Wt. | Gross* Wt. |  |
|  | 80430      | WZ2         | 305  | 228  | 75  | 38  |     |    |    | 2.25     | 2.55       |  |
|  | Order code | Type        | A    | B    | C   | D   | E   | F  | G  | Nett Wt. | Gross* Wt. |  |
|  | 80525      | WZ23        | 1676 | 1219 | 64  | 57  | 12  |    |    | 21.3     | 22.6       |  |
| <p>TYPES WZ1, WZ25</p> <p>TYPES WZ136, WZ273</p> | Order code | Type        | A    | B    | C   | D   | E   | F  | G  | Nett Wt. | Gross* Wt. |  |
|  | 80415      | WZ1         | 200  | 100  | 25  | 25  | 35  | 3  |    | 0.92     | 0.95       |  |
|  | 80535      | WZ25        | 1500 | 100  | 50  | 50  | 50  | 12 |    | 24.8     | 26.3       |  |
|  |            | WZ136       | 762  | 101  | 152 | 146 | 171 | 50 | 12 | 128.7    | 135.5      |  |
|  |            | WZ273       | 1524 | 101  | 152 | 146 | 171 | 50 | 12 | 263.3    | 272.3      |  |
| <b>Zinc Ribbon Anodes</b><br>                    | Order code | Type        | A    | B    | C   | D   | E   | F  | G  | Nett Wt. | Gross* Wt. |  |
|  |            | Reg size    | 16   | 22   |     |     |     |    |    |          | 1.76       |  |
|  | 80850      | Junior size | 13   | 14   |     |     |     |    |    |          | 0.88       |  |
|  | 80855      | Mini size   | 9    | 12   |     |     |     |    |    |          | 0.36       |  |

Other anode types are available on request.

All dimensions in millimetres and weight in kilograms

Y Also available with central hole for bolt attachment, and /or plain anode block \*Includes weight of m.s insert

|                            |                     |                   |                        |                    |
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