

## ZINC RIBBON ANODES (with steel wire core)

- Zinc ribbon anodes are utilized to protect underground and submerged pipelines and storage tanks and as AC mitigation electrodes.
- Zinc anodes are manufactured, under strict quality conditions to ASTM B418-88.
- Type II is for soil use and Type I for marine use.
- Type I is only available in 3 and 4 sizes

### 2.4.1 Zinc Ribbon (Extruded)

It is used to protect coated pipelines, underground storage tanks, and other buried steel structures as well as for AC mitigation.

Ribbon Type	1 (Small)	2 (Standard)	3 (Plus)	4 (Super)
Cross Section (D1 x D2) mm	8.7 x 11.9	12.7 x 14.3	15.9 x 22.2	25.4 x 31.75
Radius (R1 x R2) mm	1.5 x 3.8	2 x 5	3 x 6.5	5 x 10
Zinc Weight kg/m	0.37	0.89	1.78	3.57
Wire dia. (DW) mm	3.55	3.55	3.55	3.55
Standard Coil Length m	300	150	120	60
Packaging Nominal mm	Wood Reels 900 OD 300 Wide	Wood Reels 900 OD 300 Wide	Wood Reels 800 OD 500 Wide	Wood Reels 800 OD 500 Wide



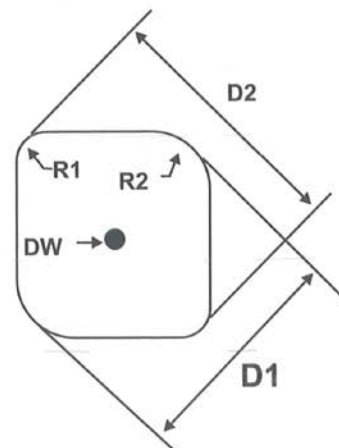
**How to order:** Please ensure that you quote the type of alloy, the type of ribbon required, size and the length of ribbon per coil.

### Zinc Specification

Element % (Max) unless otherwise stated	Al	Cd	Fe	Pb	Cu	Other Total	Zn
ASTM B418 - 88 Type II	0.005	0.003	0.0014	0.003	0.002	---	Balance
Mil - A - 1800IK and ASTM B418 - 88 - Type I	0.1 - 0.5	0.025 - 0.07	0.005	0.006	0.005	---	Balance

**TOLERANCE:** Cross section, weight and coil length:  $\pm 5\%$   
 Wire diameter  $\pm 10\%$   
 All other measurements are nominal  
 Other Coil Lengths Available

Electrochemical	
Potential	-1.1V Cu/CuSO <sub>4</sub> Reference Electrode
Capacity	780 Amp hrs/kg



Recommended procedure for connecting to copper cable is the same as used for the Magnesium Ribbon Anode