

Ribbon Zinc Alloy Anode

Ribbon zinc alloy anodes are a type of sacrificial anode cathodic protection material primarily composed of metallic zinc. The diamond-shaped zinc ribbon anode complies with the ASTM-B418 (Type I/Type II) standard, offering excellent mechanical properties.

As an electrochemical material based on metal corrosion principles, the ribbon zinc anode leverages the self-corrosion behavior of zinc in electrolyte solutions to provide cathodic protection for metal structures. In electrolytes, the zinc anode undergoes oxidation, releasing electrons. These electrons travel via conductive wires to the protected metal structure, which becomes the cathode, thereby preventing its corrosion.



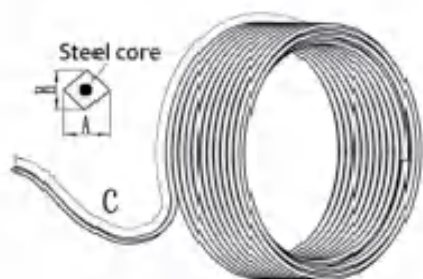
KEY FEATURES

- 1.High-efficiency anti-corrosion
- 2.Installation is convenient
- 3.Cost is low
- 4.Environmental protection
- 5.Long service life

APPLICATIONS

- 1.Cathodic protection within the casing of the long-distance pipeline crossing section
- 2.Drainage grounding electrode
- 3.Equalizing grid

PRODUCT SPECIFICATIONS



Type	Size			(g/cm)
	A(mm)	B(mm)	C(m)	
01	25.4	31.75	30.5	35.72
02	15.88	22.23	61	17.82
03	12.7	14.29	152.5	8.93
04	8.73	11.91	305	3.72

Type	Chemical component(%)					
	Al	Cd	Fe(Max)	Pb(Max)	Cu(Max)	Zn
I	0.1-0.5	0.02-0.07	0.005	0.006	0.005	Balance
II	0.005(Max)	0.003(Max)	0.0014	0.003	0.002	Balance
High puriyt Zinc	0.003(Max)	0.002(Max)	0.001	0.003	0.001	Balance

Type	Electrochemical properties			
	Open Voltage(V)	Closed Voltage(V)	Actual Capacitance(A.h/kg)	Efficiency(%)
	≤-1.10	≤-1.05	≥740	≥90
Note:Test medium-artificial seawater				