

INTRODUCTION

Tecnozinc is one of the types of anodes that is widely used for the cathodic protection of the steel structure in seawater and soil. These are also known as sacrificial anodes, which are used for the prevention of corrosion on ship hulls, oil rigs, tanks, pipes and others.

This technical sheet presents zinc anodes for exclusive use in soil or sand, for cathodic protection of structures that are usually buried. For use in seawater, we have other types of alloys; For other applications, please contact us.

Our zinc anodes have a minimum of 99.99% zinc, are produced with the chemical composition that complies with the ASTM B418 Type II standard, which are supplied properly pre-packaged with depolarizing filler or backfill.

TECNOLOGIA TOTAL rigorously selects its suppliers to offer the customer a suitable alloy and a low level of impurities that determines a high efficiency of the anode.

ASTM B418 – TIPO II – TecnoZinc – S Alloy	
<i>Fe</i>	0.0014% Max
<i>Pb</i>	0.0030% Max
<i>Cu</i>	0.0200% Max
<i>Al</i>	0.0060% Max
<i>Cd</i>	0.0030% Max
<i>Zn</i>	Balance

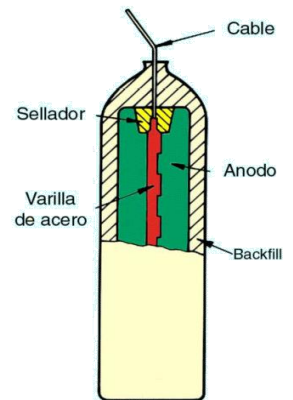
Tecnozinc	
<i>Efficiency</i>	90 – 95%
<i>Capacity</i>	738 A-hr / kg at 90% efficiency.
<i>Open circuit potential</i>	-1.10 CSE.

ANODES CHARACTERISTICS

The standard range of anode models cover all general needs, although other types of anodes can be made as required.

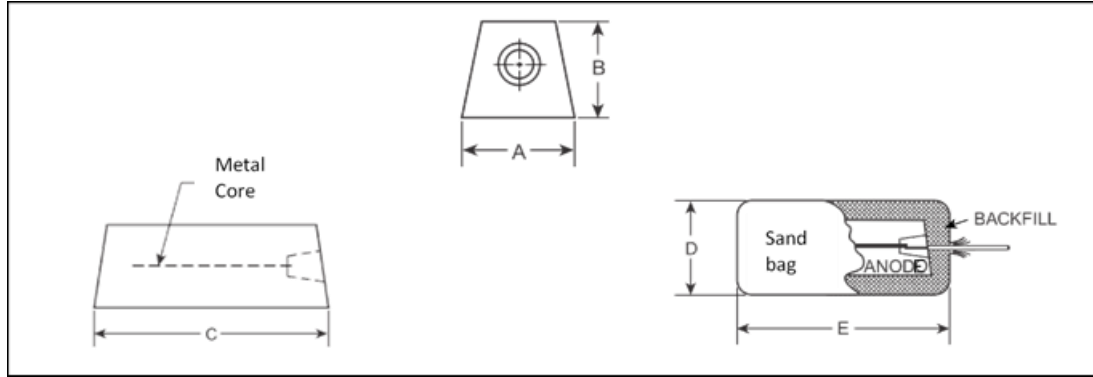
TecnoZinc® zinc anodes can be supplied with depolarizing filler or highly hygroscopic backfill, they are normally supplied in a cotton bag and with a standard 3 meter long 3.3 mm² copper cable (AWG No. 12) with TTU, NYY or HMWPE insulation, suitable for direct burial, connected to the anode core and isolated by bituminous compound.

The backfill helps decrease the resistance of the anode to the earth, retains moisture, allows better efficiency and homogeneous consumption of the anode, thus creating an efficient anode bed.



ANODES DIMENSIONS

TECNOLOGIA TOTAL distributes zinc anodes in any dimension according to the final specifications of the client, do not hesitate to contact us for any special anode size according to your needs.



REFERENCE	BARE WEIGHT (lb)	PACKAGED WEIGHT (lb)	BARE			PACKAGED	
			A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
TecnoZinc® S – 05	5	24	36	36	229	127	381
TecnoZinc® S – 12	12	48	36	36	610	127	762
TecnoZinc® S – 18	18	70	36	36	914	127	1067
TecnoZinc® S – 30	30	95	36	36	1524	127	1676
TecnoZinc® S – 45	45	110	51	51	1143	127	1295
TecnoZinc® S – 60	60	130	51	51	1524	127	1676

For any technical questions regarding which anode you should use for your application, let us support you by contacting our technical sales department.

Contact us, we have NACE certified cathodic protection professionals ready to support you.

NOTES

- Weight and dimensions may vary slightly by $\pm 5\%$.
- We count on different anode configurations depending on the client's need.
- We manufacture anodes in any weight and configuration needed.
- The most commercial anodes of this type are 12 and 18 lb anodes, which we always keep in stock.

WARRANTY AND LIMITATION OF LIABILITY

TECNOLOGIA TOTAL will not be in any case responsible for damages of any nature that could be derived from an inadequate use of the product. Before using the product, the user must determine if the product is suitable for its intended use, taking all risks and liability that could be derived from its use.

If it's proved that a product is faulty due to manufacturing or its material at the time of sale, or that it does not fulfill during its warranty period the indicated properties in this technical sheet, the only responsibility of TECNOLOGIA TOTAL will consist of replacing the buyer with the quantity of product that is found to be defective. TECNOLOGIA TOTAL does not take any responsibility for any additional cost such as manufacturing cost, withdrawal or re-application of the products. If TECNOLOGIA TOTAL offers a warranty to their clients, express or implicit, or a compensation that differs from the established in this section, this stipulation can not be altered unless a signed agreement by the parties.

