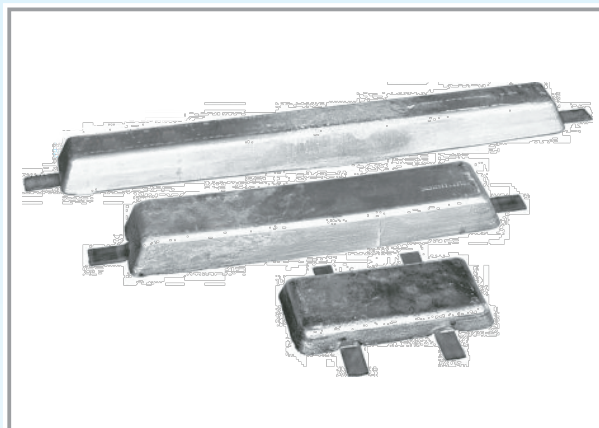


## SACRIFICIAL ZINC ANODES FOR TANK APPLICATIONS

### Application

Sacrificial anodes have been used to combat corrosion of metals in sea water for over 150 years. During this time, the name of Wilson Walton has become one of the best known in the marine industry.

Wilson Walton anodes are available in zinc or aluminium alloys for the protection of ships hulls, ballast tanks and other structures. If required, Wilson Walton engineering staff are available to calculate anode requirements for all types of structure.



### Availability

Wilson Walton have developed a number of aluminium and zinc sacrificial anode alloys for marine use. Aloline is a range of indium activated aluminium-zinc alloys. Zincoline is the trademark for zinc alloy anodes conforming to US Mil Specifications. Other alloy formulations or modifications are available to the standard alloys to suit specific marine conditions.

### Zincoline

Zincoline alloys are based on US MIL Spec 12001K and ASTM B418 Type I and are suitable for general sea water applications but their high specific gravity and low electrochemical capacity compared to aluminium alloys makes them less favoured for use on jackets and other structures. Zinc alloys operate over a very wide range of anode current densities and in higher resistivity waters and saline mud, but are not suitable for use at temperatures above 50°C. Zincoline is therefore recommended for use on coated structures where weight is less of a consideration and for buried sub-sea pipelines at ambient operating temperatures.

For temperatures over 50°C, special high temperature alloys are available.

Zincalloy can be used in tank applications, particularly in upper areas where installation of Aloline anodes is restricted.

CTS can also supply anodes manufactured in alloys corresponding to ASTM B418 Type II alloy which may be more appropriate for use in potable waters.

## ZINC TANK ANODES

Type	A (mm)	B (mm)	C & D (mm)	E (mm)	Core Dia. (F) (mm)	Net Weight (kg)	Gross Weight (kg)
W151	1524	1754	50 & 76	70	12	17.3	19.3
W152	1270	1754	50 & 76	70	12	14.5	16.3
W153	1016	1754	50 & 76	70	12	11.6	13.3
W154	762	1754	50 & 76	70	12	8.7	10.0
W155	610	1754	50 & 76	70	12	7.1	8.1
W156	305	1754	50 & 76	70	12	3.3	3.8
WT50Z	1219	1676	63	57	12	21.0	23.0
WT70Z	1219	1676	76	68	12	30.0	32.0
WT90Z	1219	1676	82	78	12	40.0	42.0
WT110Z	1219	1676	94	91	12	50.0	54.0

\* All weights in Kilograms. All dimensions in millimetres. All weight and dimensions are nominal.

