

## Aluminium and zinc anodes

Protection by means of anodes is a "must" for all metal parts under water. Therefore anodes are required for wooden, fibre glass and aluminium hulls. The material of V-Quipment zinc anodes is of the highest possible standard, the U.S. mil.-A-18001 K. specifications. Anodes which do not meet these specifications have little or no effect.

V-Quipment aluminium anodes consist of an aluminium-indium-zinc alloy Mil - A - 24779 (SH). All V-Quipment anodes are streamlined and mounted either with studs which can be welded to a steel hull, or with through-hull bolts for fibreglass and wooden boats. **We supply these studs and bolts separately.**

For vessels, which mostly cruise on inland (fresh) waters, we recommend aluminium anodes since aluminium has a greater difference of potential with other metals than zinc. This is very important, as fresh water provides a higher electrical resistance than salt water. For sailing on salt water or brackish water, we recommend the use of zinc anodes. Aluminium anodes also function well in salt water, but are sacrificed at a much faster rate. We do not recommend the use of magnesium anodes, as the difference of potential with other metals is too great which could cause damage to the hull paint, especially when sailing in brackish or salt waters.

Use the table below to select the right anode suitable for the type of water in which the boat is generally used.

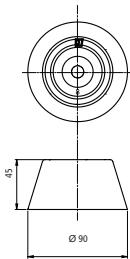
Hull material					
Water type	Wood	GRP	Aluminium	Steel	Sterndrive/ outboard
Fresh	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Brackish	Zinc/ Aluminium	Zinc/ Aluminium	Zinc/ Aluminium	Zinc/ Aluminium	Aluminium
Salt	Zinc/ Aluminium	Zinc/ Aluminium	Zinc/ Aluminium	Zinc/ Aluminium	Aluminium

An annual inspection of the anode is needed, it should be replaced when the anode has been 50% sacrificed.

### Bolt-on anodes



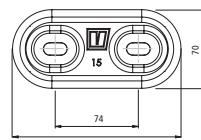
**ALU08C**



**ZINK8C**



**ALU15C**



**ZINK15C**



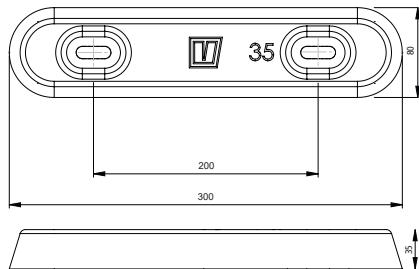
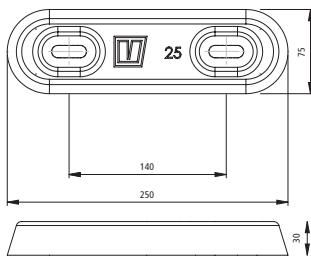
**ALU25C**

**ZINK25C**



**ALU35C**

**ZINK35C**



Type	Description	Type of contour	Protects M <sup>2</sup> Adequate paint / worn out paint / unpainted	Length (mm)	Width (mm)	Height (mm)	Nett weight (kg)
<b>ZINK8C</b>	Hull anode, zinc MIL-A-18001K	Circular	12 / 6 / 3,5	90	90	45	1,1
<b>ZINK15C</b>	Hull anode, zinc MIL-A-18001K	Rectangular	14 / 7 / 3,5	150	70	25	0,98
<b>ZINK25C</b>	Hull anode, zinc MIL-A-18001K	Rectangular	24 / 12 / 6,5	250	75	30	2,5
<b>ZINK35C</b>	Hull anode, zinc MIL-A-18001K	Rectangular	40 / 20 / 10,5	350	80	35	4,7