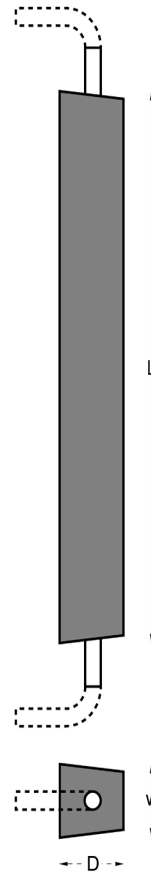


## AF 'Defender' Anodes Al-Zn-In

Aluminium Anodes - Sub-sea Structure, Harbour walls & Jetties - A4

### Examples of Central Core extension or 'cow horn' design

Anode Code	Anode Length (mm)	Anode Width (mm)	Anode Depth (mm)	Core Diameter (mm)	Anode Weight (kg) Net/Gross *
AFA 1000- CT	1600	160	162	60	100/109
AFA 1190- CT	1530	184	159	60	111/125
AFA 1190- CR	1530	184	159	25	119/127
AFA 1190- CR	1590	185	165	60	119/127
AFA 1200- CR	2600	135	135	40	120/150
AFA 1210- CR	2240	145	145	40	121/146
AFA 1480- CT	2373	160	162	60	148/167
AFA 1680- CT	2550	185	185	114	168/230
AFA 2400- CT	2622	210	210	114	240/305
AFA 2600- CT	2295	210	220	60	272/292
AFA 3300- CT	2372	252	244	114	330/390
AFA 4350- CT	2910	254	257	114	440/520



All weights and dimensions are nominal and cast product will vary by  $\sim \pm 3\%$   
Most anodes above and other anodes available in flush or alternative insert designs

### Custom design your weight

The above anodes are cast in dies which have a fixed cross-section but have sliding ends. The examples are often shown as the maximum length of the die and max. weight for that section. We can adjust the weights of all by sliding the die ends to match your 'custom' weight requirement.

Default Material Specification:

AF Defender G3 AF Al-Zn-In-Si anode alloy

Fe	Si	Cu	Zn	In	Others	Al
0.12 max.	0.08-0.21	0.006 max.	2.8 - 6.5	0.01 - 0.02	0.02 max	remainder

Potential  $-1.09^*$  Volts Ag/AgCl Capacity (Amp Hrs) 2540\* per Kg min Density 2750Kg/m<sup>3</sup>  
\* AFDefender G3 alloy performance Data for long term test by DNV Certificate No S-5615 to DNV RP B401 Appendix B

*Aluminium Offshore Anodes • Zinc & Al Marine Hull Anodes • Tank Anodes • Pipeline Anode Port & harbour Anodes and bracket systems • CP designs & calculations • Steel & Wrought Iron welded Fabrications • Ballast Weights • Gates & railings • Castings*