









# SACRIFICIAL ANODES

## Selection Guide

Our DECP™ software package has been specially designed to solve the planning problems, assist with correct material selection and for optimum system configuration.

		ANODES												
		Mg prepacked w. backfill	Fresh water Mg	Hull Mg	Hull Al	Hull Zn	Offshore Al	Offshore Zn	Tank Al	Tank Zn	Ribbon zinc	Ribbon magnesium	Bracelet aluminium	Bracelet zinc
		<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>PIPELINE OFFSHORE</b>													<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>CASING INTERNAL</b>											<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
<b>TANKS INTERNAL</b>			<input checked="" type="checkbox"/>						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
<b>OFFSHORE STRUCTURES / SHIPPING</b>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<b>INTERNAL PROTECTION</b>			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
<b>WATER WELL RISER PIPES</b>			<input checked="" type="checkbox"/>								<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		

# SACRIFICIAL ANODES

## Magnesium anodes

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German Cathodic Protection



### Prepackaged magnesium anodes

Magnesium anodes for buried pipelines, casings, tanks and similar structures are prepacked either in cotton bags or cardboard cartons containing a rapid wetting, moisture retaining backfill.

The backfill powder reduces the resistivity of soil surrounding the anodes and improves their anode performance.

The pre packaged magnesium anodes are available in two grades, Standard and High Potential, which is used primarily in high resistivity soils.

Anodes are supplied with 5 m (PVC/PVC) insulated copper cable of 6 mm<sup>2</sup> as standard, other sizes and lengths are available on request.

MAGNESIUM		
Composition	%	
	Standard	High Potential
Al	5.50 - 6.50	0.003
Zn	2.50 - 3.50	0.004
Mn	0.20 - 0.50	0.50 - 1.00
Cu	0.002	0.002
Ni	0.001	0.002
Fe	0.005	0.025 max.
Others	0.01	0.005
Mg	remainder	remainder
Potential Cu/CuSO <sub>4</sub>	-1.60 V	-1.75 V
Max. capacity	1250 Ah / kg	1250 Ah / kg

Type	Weight (nominal)		Anode Dimensions				
	Bare	Packaged	W	H	L	Ø D	OL
	kg	kg	mm	mm	mm	mm	mm
3D3	1.4	3.6	89	95	127	152	254
3D5	2.3	7.7	89	95	216	152	305
9D3	4.1	12.2	89	95	356	152	432
17D3	7.7	20.4	89	95	654	191	864
20D2	9.1	31.8	70	76	1518	127	1676
32D5	14.5	31.8	140	127	521	203	711
32D3	14.5	41.3	89	95	1149	165	1346
40D3	18.1	43.5	89	95	1518	165	1676
48D5	21.8	45.4	140	146	787	203	965
4x4x60	27.2	56.7	102	102	1524	176	1626

Standard backfill composition:

- Powdered Gypsum : 75 %
- Granular Bentonite : 20 %
- Sodium Sulphate : 5 %

