

## ANODES & ANTIFOULING ANODES

Anoder & antifouling anoder



## Marine Sacrificial Anodes & Antifouling Anodes

Your global supplier of sacrificial anodes and cathodic protection solutions – serving subsea infrastructure, coastal and onshore structures, underground pipelines, wind farms, jetties, ships, and yachts.



### Quality

- Highest quality standards according to ISO
- Lloyd's Register type-approved anodes
- Advanced QC of composition & performance
- In-house laboratories for 24/7 PQC



### Sustainability

- Minimum emissions during production cycle
- Highest environmental standards (ISO)



### Sustainability

- Tailor-made designs
- Lean production, lowest cost rates



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### Aluminum Tank Anodes

Tank Anode with a round rod insert

- **Application:** Ballast Tank
- **Environment:** Seawater
- **Installation:** Weld-On
- **Material:** Aluminum (Al-Zn-In)
- **Note:** Inform type upon ordering



Solid Rod Insert

### Aluminium Tankanoder

Tankanode med rund stangindsats

- **Anvendelse:** Ballasttank
- **Miljø:** Havvand
- **Installation:** Påsvejsning
- **Materiale:** Aluminium (Al-Zn-In)
- **Note:** Oplys type ved bestilling



Cranked Rod Insert

Art. No.	Type	Anode dimensions mm				Weight kg	
		Length	Upper base	Lower base	Height	Net	Gross
1661 0001	AT30	220	65	50	75	2.5	3.0
	AT44	765	50	40	57	4.4	5.5
	AT50	380	65	50	75	4.3	5.0
	AT80	610	65	50	75	7.1	8.0
	AT82	1220	50	40	57	8.3	9.8
	AT110	765	65	50	75	8.9	10.0
	AT117	1000	65	50	75	11.7	13.0
	AT130	640	85	75	95	12.4	13.3
	AT159	750	85	75	95	14.5	15.6
	AT160	1500	60	45	68	13.5	15.3
	AT180	1500	65	45	70	15.5	17.3
	AT210	1000	85	75	95	19.3	20.6
	AT250	1220	85	75	95	23.5	25.0
AT310	1500	85	75	95	29.0	30.7	

Please specify the art. no. and type when ordering / Angiv venligst varenummer og type ved bestilling



## Aluminum Hull Anodes

Hull Anode with single strap

- **Application:** Boat and ship
- **Environment:** Brackish water, Seawater
- **Installation:** Weld-On
- **Material:** Aluminum (Al-Zn-In)
- **Note:** Inform type upon ordering



Rectangular Hull Anode

## Aluminium Skroganoder

Skroganode med enkelt rem

- **Anvendelse:** Båd og skib
- **Miljø:** Brakvand, havvand
- **Installation:** Påsvejsning
- **Materiale:** Aluminium (Al-Zn-In)
- **Note:** Oplys type ved bestilling



Straight Hull Anode

Art. No.	Type	Anode dimensions mm			Weight kg	
		Length	Width	Height	Net	Gross
1662 0001	A15	230	78	37	1.1	1.5
	A28	290	100	50	2.3	2.8
	A30	275	148	32	2.7	3.5
	A37	285	145	71	3.7	4.2
	A43	285	145	75	4.3	4.8
	A60	450	100	52	5	6.2
	A66	549	127	55	6.6	8
	A100	550	128	50	8.5	9.9
	A120	555	132	68	10.3	11.8
	A140	660	132	68	12.3	14.1
	A150	920	128	52	13	15
	A168	920	128	57	14.8	16.8
	A180	920	128	60	16	18
	A200	920	128	68	18	20
A223	920	128	72	20.3	22.3	
A260	920	132	79	24	26	

Please specify the art. no. and type when ordering / Angiv venligst varenummer og type ved bestilling

## Zinc Tank Anodes

Tank Anode with a round rod insert

- **Application:** Ballast Tank
- **Environment:** Seawater
- **Installation:** Weld-On
- **Material:** Zinc
- **Note:** Inform type upon ordering



Solid Rod Insert

## Zink Tankanoder

Tankanode med rund stangindsats

- **Anvendelse:** Ballasttank
- **Miljø:** Havvand
- **Installation:** Påsvejsning
- **Materiale:** Zink
- **Note:** Oplys type ved bestilling



Cranked Rod Insert

Art. No.	Type	Anode dimensions mm				Weight kg	
		Length	Upper base	Lower base	Height	Net	Gross
1663 0001	ZT34	200	50	40	57	3.4	4.0
	ZT50	270	50	40	57	4.8	5.4
	ZT57	335	50	40	57	5.7	6.5
	ZT80	410	50	40	57	7.3	8.0
	ZT110	520	50	40	57	9.1	10.0
	ZT100	600	50	40	57	10.0	11.0
	ZT130	640	50	40	57	11.0	12.0
	ZT133	250	85	75	95	13.3	14.0
	ZT150	830	50	40	57	14.5	15.6
	ZT165	550	65	50	75	16.5	17.4
	ZT200	1000	50	40	57	18.3	19.6
	ZT195	500	80	70	75	19.5	20.4
	ZT230	1220	50	40	57	21.5	23.0
ZT320	1220	60	45	68	30.0	31.5	

Please specify the art. no. and type when ordering / Angiv venligst varenummer og type ved bestilling



## Zinc Hull Anodes

Hull Anode with single strap

- **Application:** Boat and ship
- **Environment:** Brackish water, Seawater
- **Installation:** Weld-On
- **Material:** Zinc
- **Note:** Inform type upon ordering



Rectangular Hull Anode

## Zink Skroganoder

Skroganode med enkelt rem

- **Anvendelse:** Båd og skib
- **Miljø:** Brakvand, havvand
- **Installation:** Påsvejsning
- **Materiale:** Zink
- **Note:** Oplys type ved bestilling



Straight Hull Anode

Art. No.	Type	Anode dimensions mm			Weight kg	
		Length	Width	Height	Net	Gross
1664 0001	10Z	180	60	30	1.0	1.1
	20Z	220	75	35	2.0	2.1
	30Z	230	78	37	2.2	2.6
	230	250	80	25	2.8	3.0
	45Z	290	100	47	4.5	5.0
	50Z	290	100	50	4.8	5.3
	70Z	275	92	45	6.0	6.5
	80Z	275	148	32	7.3	8.0
	95Z	285	145	66	9.5	10.0
	110Z	285	145	71	10.1	10.6
	130Z	450	100	62	11.8	13.0
	160Z	590	105	48	14.3	16.0
	185Z	550	127	48	18.5	20.0
	220Z	550	128	50	20.5	22.0
	285Z	630	130	61	28.5	30.0
300Z	630	130	55	24.3	26.0	

Please specify the art. no. and type when ordering / Angiv venligst varenummer og type ved bestilling



## Bolt-on Anodes

Rectangular condenser anode

- **Application:** Chiller, Condenser Water Box, Heat Exchanger
- **Environment:** Seawater
- **Installation:** Bolt-On
- **Material:** Zinc or Aluminium
- **Note:** Inform type upon ordering



## Anoder til Påboltning

Rektangulær kondensator anode

- **Anvendelse:** Køler, kondensator vandsboks, varmeveksler
- **Miljø:** Havvand
- **Installation:** Skrues på
- **Materiale:** Zink eller Aluminium
- **Note:** Oplys type ved bestilling



Art. No.	Type	Anode dimensions mm				Weight kg			
						Aluminum		Zinc	
		Length	Width	Pitch	Height	Net	Gross	Net	Gross
1665 0001	B2	150	70	80	20	0.5	0.6	1.4	1.5
	B4	200	100	110	30	1.4	1.5	3.1	3.2
	B9	300	150	160	30	3.0	3.3	7.9	8.2
	B10	300	150	160	40	4.2	4.5	11.1	11.4
	B11	300	150	160	50	5.1	5.4	13.5	13.8
	B15	300	200	160	40	5.3	5.6	14.8	15.1
	B17	300	200	160	50	7.3	7.6	20.3	20.6
	B20	300	200	160	65	10.3	10.6	26.4	26.7
	B92A	540	140	340	64	9.2	9.6		
	B110A	300	200	160	75	11.0	11.3		
	B114A	460	200	260	64	11.4	11.8		
	B130A	400	200	180	70	13.0	13.4		
	B145A	920	128	305	60	14.5	16.1		
	B150A	540	200	340	65	15.0	15.6		
	B155A	400	200	160	85	15.0	15.5		
	B233Z	540	140	340	65			23.3	23.7
	B304Z	400	200	160	62			30.4	30.8
B400Z	400	200	160	85			39.5	40.0	
B410Z	540	200	340	65			41.0	41.6	

Please specify the art. no. and type when ordering / Angiv venligst varenummer og type ved bestilling



## Antifouling Anodes

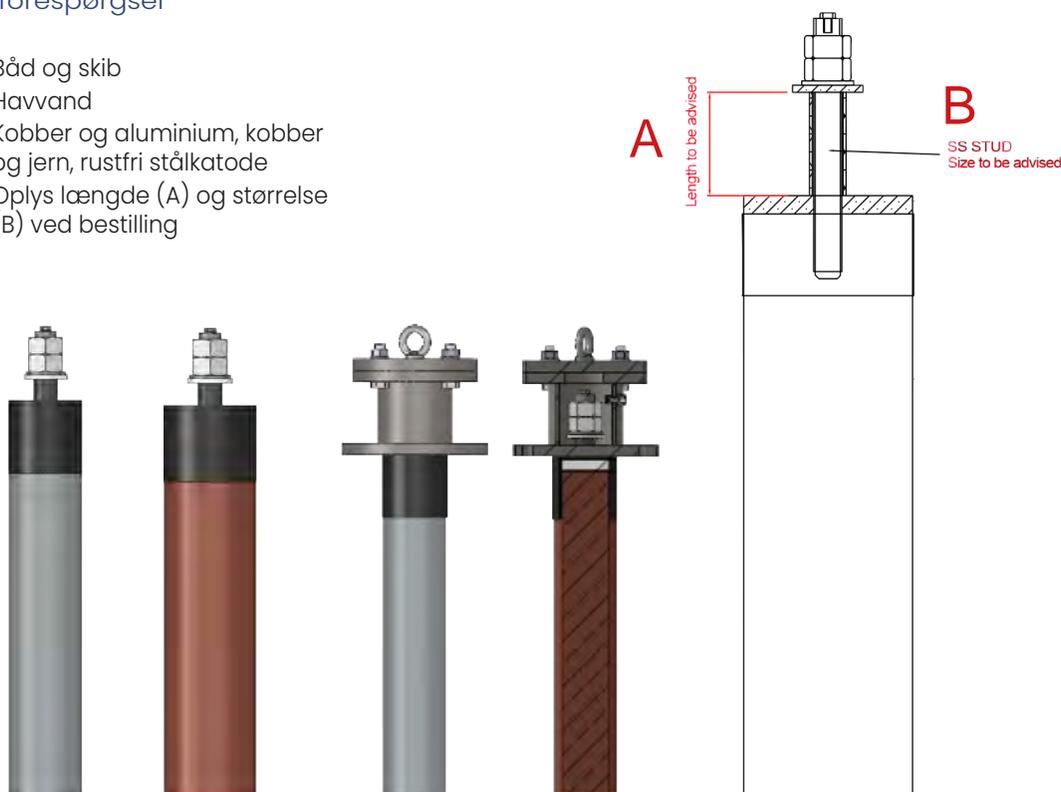
Antifouling anodes available on request

- **Application:** Boat and ship
- **Environment:** Seawater
- **Material:** Copper & Aluminum, Copper & Iron, Stainless Steel Cathode
- **Note:** Inform length (A) and size (B) upon ordering

## Brydningsanoder

Brydningsanoder på forespørgsel

- **Anvendelse:** Båd og skib
- **Miljø:** Havvand
- **Materiale:** Kobber og aluminium, kobber og jern, rustfri stålkathode
- **Note:** Oplys længde (A) og størrelse (B) ved bestilling



We also offer antifouling anodes. Our antifouling anodes not only keep the ship from rusting, but also protects the ship from organic growth.

The anodes can be placed outside and inside of the ship. When the anodes are placed, they also protect the pipes from algae and likes, so that the pipes do not get clogged.

Clogged pipes can cause dangerous situations with firefighting equipment, overheating the ship and loss of speed. the process of cleaning, or in many cases replacing complete pipe sections, can be a very time-consuming and expensive problem.

Vi tilbyder også antifouling anoder. Udover at beskytte skibet imod rust, beskytter disse anoder også imod organisk vækst.

Anoderne kan påsættes udenpå og inden i skibet, således at alger og lignende ikke tilstopper rør.

Blokerede rør kan forårsage farlige situationer med brandslukningsudstyr, overophedning og tab af fart. Rengøring, eller i mange tilfælde udskiftning af komplette rørsektioner, kan være et tidskrævende og dyrt problem.

