



PROTECT YOUR INVESTMENT



SACRIFICIAL ANODES

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Zinc and Aluminium alloyed anodes

This alloy tested by D.N.V. has proved to be a reliable and economic zinc anode material for use in seawater.

US Mill Spec. 18001J

Analysis

Cu	: 0,005 max.
Fe	: 0,005 max.
Al	: 0,10 - 0,50
Cd	: 0,025 - 0,07
Pb	: 0,006 max.
Others	: 0,10 max. (total)
Zn	: remainder (99,995% purity)

Performance data - seawater

Capacity	: 780 Ampere hours/kg
Potential	: -1.05 Volt against Ag/Ag Cl reference
Efficiency	: 95%

Aluminium Alloy No. 2 *"The Green Solution"*

This alloy tested by D.N.V. has proved to be a reliable and economic aluminium anode material for use in seawater.

Analysis

Si	: 0,05% max.
Fe	: 0,09% max.
Zn	: 2,50 - 5,0% alloying element
Ti	: 0,01 - 0,05% alloying element
In	: 0,015 - 0,04% alloying element
Cu	: 0,002% max.
Others	: 0,02% max.
Al	: remainder (99,85% purity)

Performance Data - Seawater

Capacity	: 2700 Ampere-hours/kg
Potential	: - 1.05 Volt against Ag/AgCl ref.
Efficiency	: 95%.

Zinc vs Aluminium anodes

Aluminium anodes are generally more efficient and economical than zinc anodes.

Sustainability

Aluminium Alloys, when compared against Zinc Alloys, are more Environmentally Friendly.

Better current distribution

The driving voltage of aluminium anodes is higher than of zinc, resulting in better protective current distribution of aluminium anodes.

Less weight

The capacity of aluminium (2,700 Ah/kg) is about 3.5 times higher than zinc (780 Ah/kg). Hence, the total required anode weight by use of aluminium is far less than for zinc anodes.

More rational

Using aluminium anodes involves considerably lower material cost compared to zinc anodes.

ANODE RECOMMENDATIONS

ZINC ANODES

Salt water	Brackish water	Fresh water
Zinc anodes / Aluminium anodes	Aluminium anodes	Magnesium anodes

ALUMINIUM ANODES

Salt water	Brackish water	Fresh water
Zinc anodes / Aluminium anodes	Aluminium anodes	Magnesium anodes

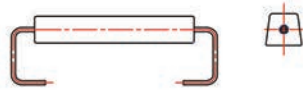
MAGNESIUM ANODES

Salt water	Brackish water	Fresh water
Zinc anodes / Aluminium anodes	Aluminium anodes	Magnesium anodes

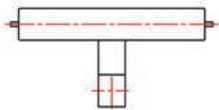
FIXING OF TANK ANODES



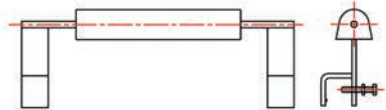
straight core



inside double cranked



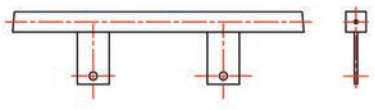
"C" clamp



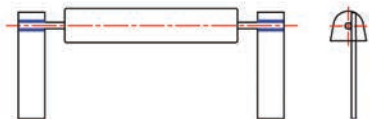
"E" clamp



pitguard clamp



"S" type bolted to brackets



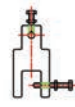
stand-off brackets, welded fixing



stand-off brackets. U-bolt fixing



bar clamp



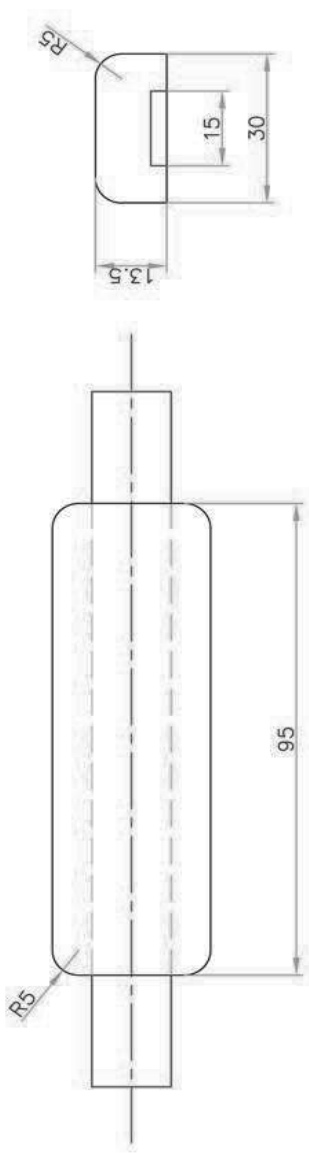
"M" type clamp

The above are standard fittings which meet the most requirements but special fittings will be designed where necessary!

ALUMINIUM WELD-ON HULL ANODES

The next pages gives only a selection of
types we have available.

The length of the inserts can vary on your
request, as long as they are longer than
the casted anode body.



ALUMINIUM ANODE

nett weight 0,167 kg

Aluminium alloy specification	
Components	Purities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max
Electrochemical capacity:	2700 Ah/Kg nominal
Solution potential:	-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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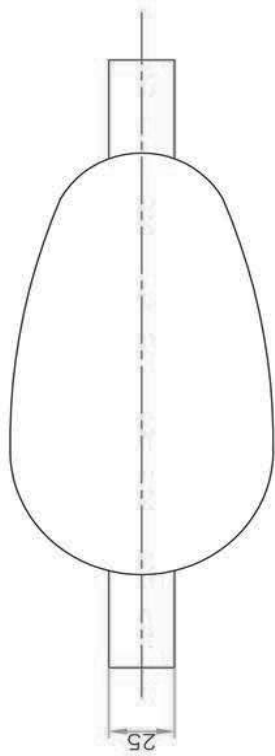
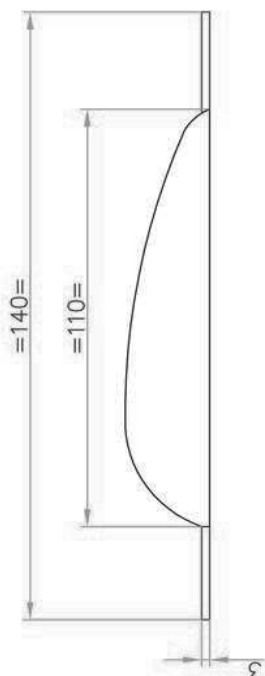
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 1,67-AL

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scale:	n.t.s.	Art.:	
drawn:		Dwg.:	A-4
date:		Dim.:	



ALUMINIUM ANODE:

nett weight 0,25 kg
gross weight 0,30 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others	each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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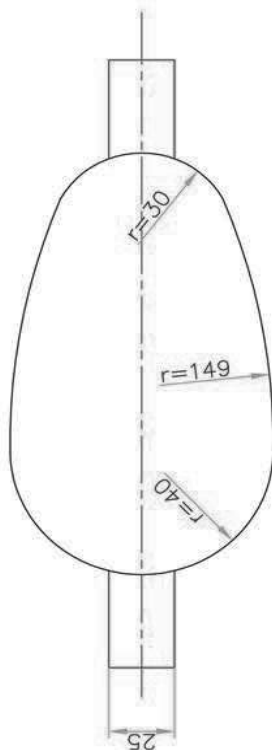
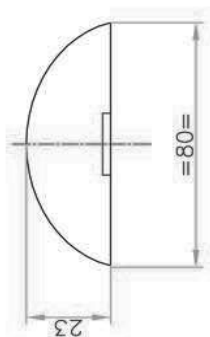
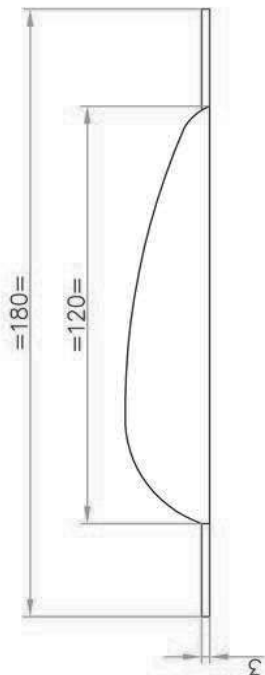
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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922520000	ANODE TYPE 2.5-AL
drawn: date:	Dwg.: S 5882 Dim.: A-4	

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ALUMINIUM ANODE:

nett weight 0,4 kg
gross weight 0,5 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Iron		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others	each	0.02 max

Electrochemical capacity: 2700 Ahr/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

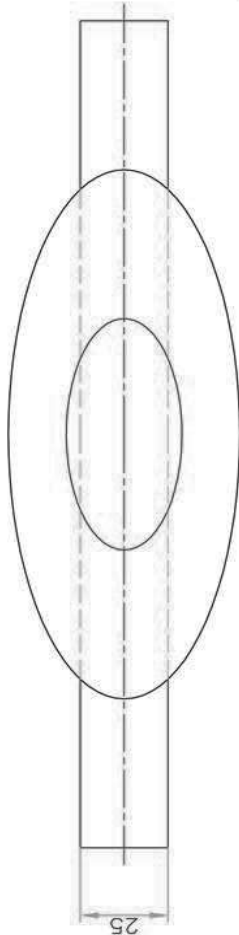
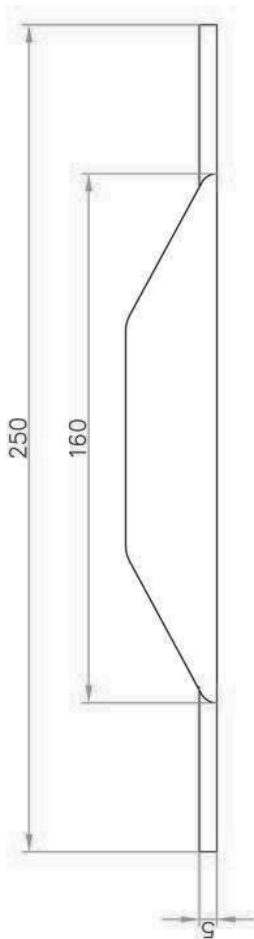
All data is subject to change without prior notice

Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922483000
drawn:		Dwg.: S 4450
date:		Dim.: A-4

ANODE TYPE 4-AL

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ALUMINIUM ANODE:

nett weight 0,5 kg
gross weight 0,7 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)



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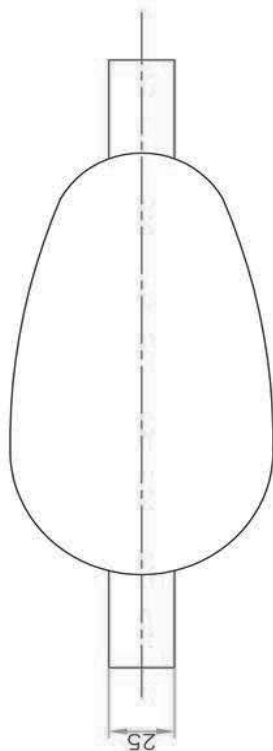
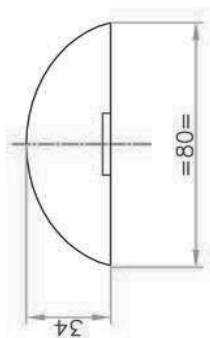
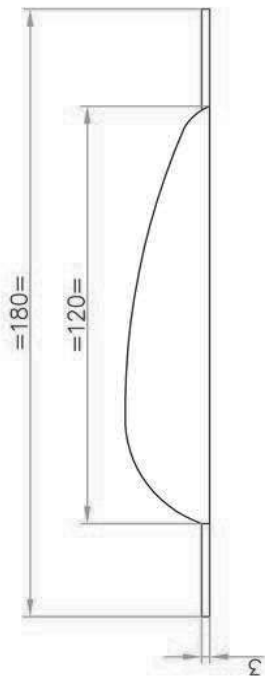
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 5-AL-H

scale:	n.l.s.	Art.:	
drawn:		Dwg.:	S 10281
date:		Dim.:	A-4

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ALUMINIUM ANODE:

nett weight 0,6 kg
gross weight 0,7 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others	each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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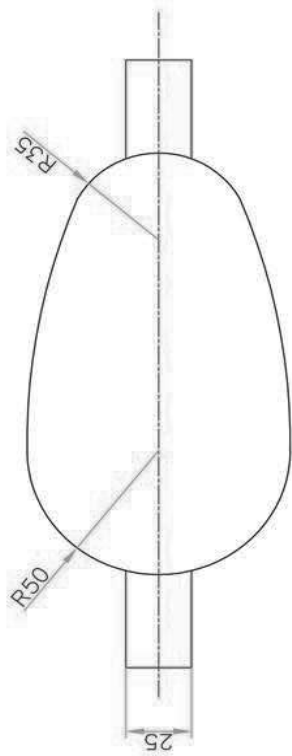
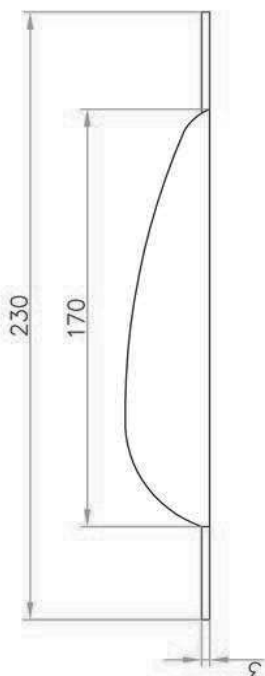
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922541000
drawn:		Dwg.: S 7750
date:		Dim.: A-4

ANODE TYPE 6-AL

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ALUMINIUM ANODE:

nett weight 0,8 kg
gross weight 1,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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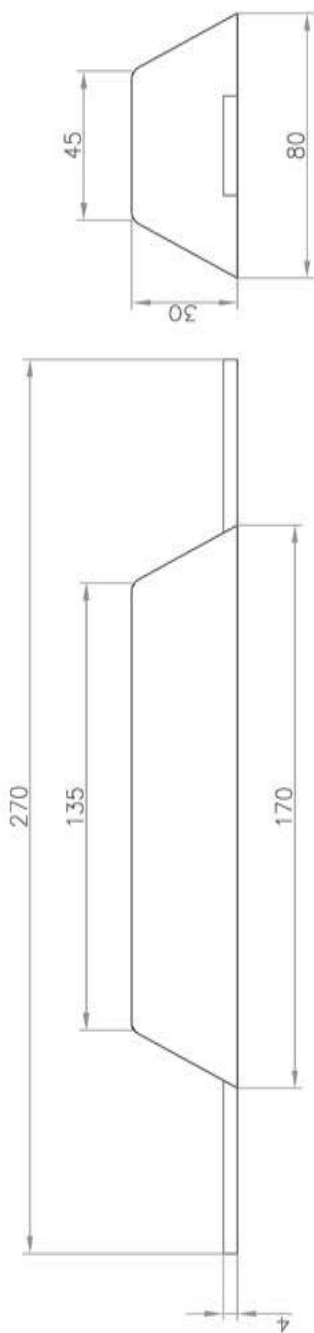
Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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scale:	n.t.s.	Art.: 922517000
drawn:		Dwg.: S 7691
date:		Dim.: A-4

ANODE TYPE 8-AL

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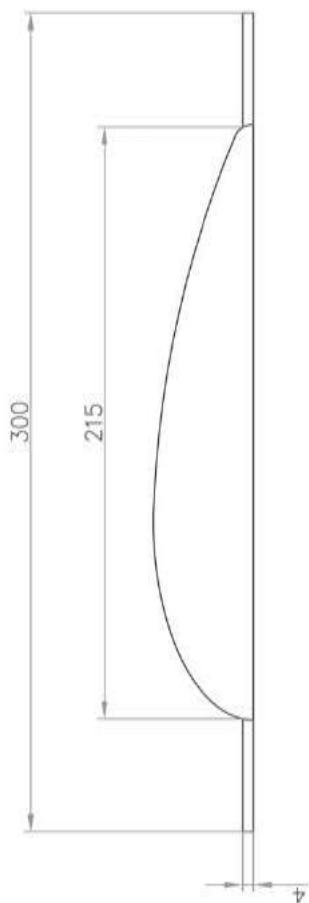
ALUMINIUM ANODE:
 nett weight 0,8 kg
 gross weight 1,1 kg

Aluminium alloy specification
 Components Impurities Percentage (%)
 Silicon 10-11,5
 Zinc 2,0-5,0
 Titanium 0,01-0,05
 Iridium 0,01-0,05
 Aluminium Remainder (99,85% Purity)
 Copper 0,02 max
 Iron 0,10-0,15
 Others each 0,02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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		ANODE TYPE 8-AL-H		
scale: n.L.s.	Art.: 922545000			
drawn:	Dwg.: S 8079			
date:	Dim.: A-4			

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ALUMINIUM ANODE:

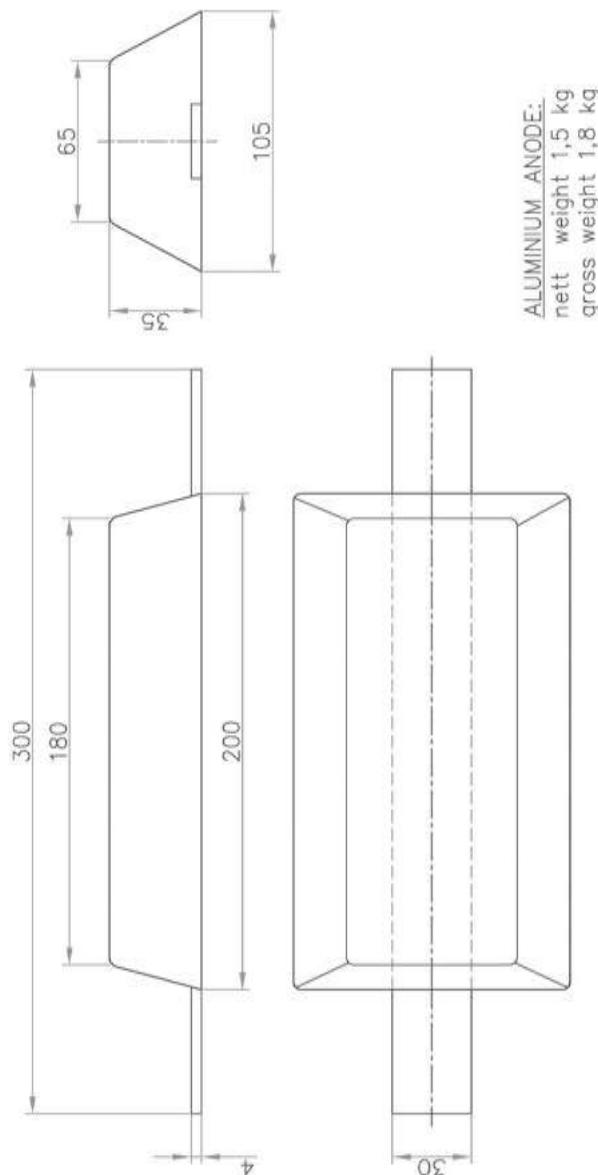
nett weight 1,0 kg

gross weight 1,2 kg

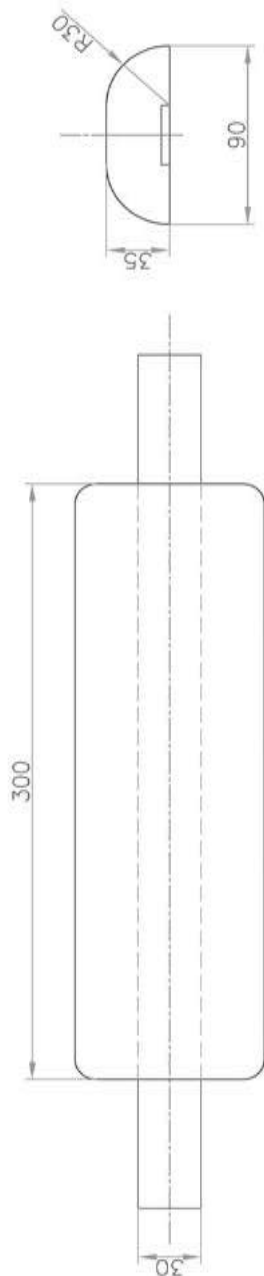
Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Others each	0.10-0.15
	0.02 max

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scale:	n.l.s.	Art.: 922522000	ANODE TYPE 10-AL
drawn:		Dwg.: S 5683	
dote:		Dim.: A-4	

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)
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Impurities		AMPAK®		Note: All dimensions and weights are nominal. Dimension in mm All data is subject to change without prior notice Anode can also be provided with a dusted backside	
Silicon		CATHODIC PROTECTION		ANODE TYPE 15-AL-H	
Zinc		scale: n.t.s.		Copyright Ampak®, No part of this drawing may be copied, disclosed, or made Public in any form, without written consent of Ampak B.V.	
Titanium		Art.: 922504000			
Indium		Dwg.: S 7581			
Aluminium		Dim.: A-4			
Copper		date:			
Iron					
Others each					
2700 Ah/Kg nominal -1050 mV vs. Ar/AgCl reference cell nominal (in seawater)					
Electrochemical capacity:					
Solution potential:					



ALUMINIUM ANODE:

nett weight 1,7 kg
gross weight 2,1 kg

Aluminium alloy specification	
Components	Percentages (%)
Silicon	0.04-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2200 Ah/Kg nominal
Solution Potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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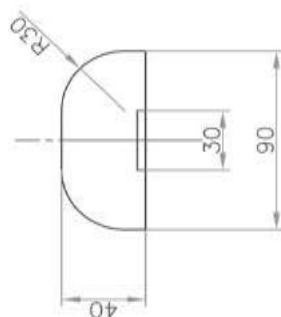
Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 17-AL

scale:	n.t.s.	Art.: 922523000
drawn:		Dwg.: S 7748
date:		Dim.: A-4

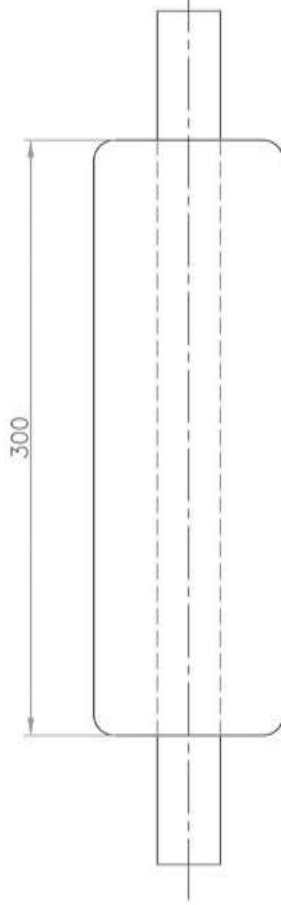
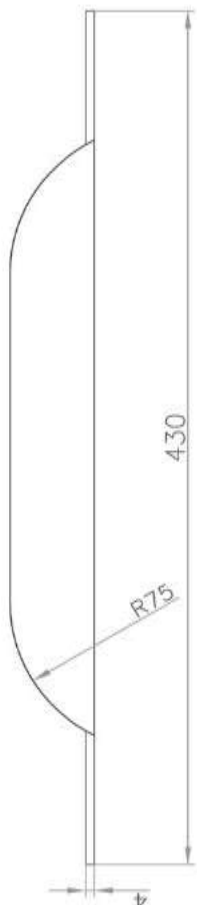
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ALUMINIUM ANODE:

nett weight 2,0 kg

gross weight 2,4 kg



Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.15-5.10
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.07 max
Others each	0.10-0.15
Others each	0.02 max
Electrochemical capacity: 2700 Ah/Kg nominal	
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)	



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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.l.s.

drawn:

date:

Art.: 922485000

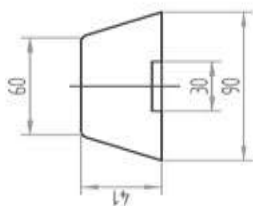
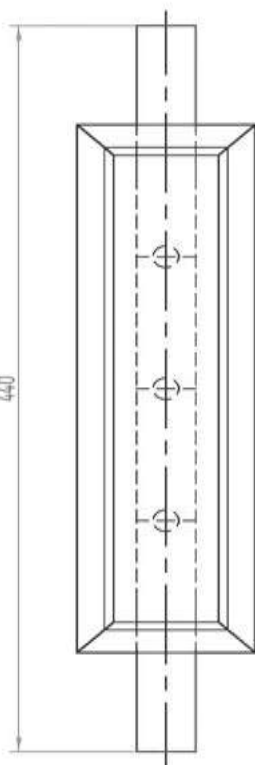
Dwg.: S 4452

Dim.: A-4

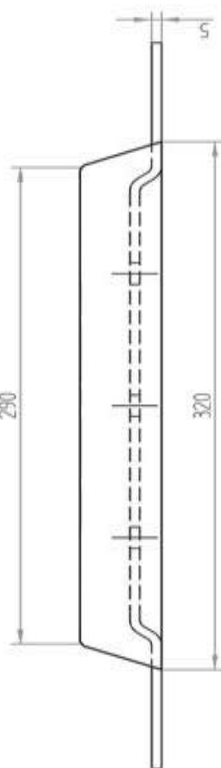
ANODE TYPE 20-AL

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440



290



ALUMINIUM ANODE:
net weight 2.2 KG

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Iron		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max.
Iron		0.10-0.15
Others each		0.02 max.

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater) date:

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

ANODE TYPE 22-AL

scale: n.t.s.

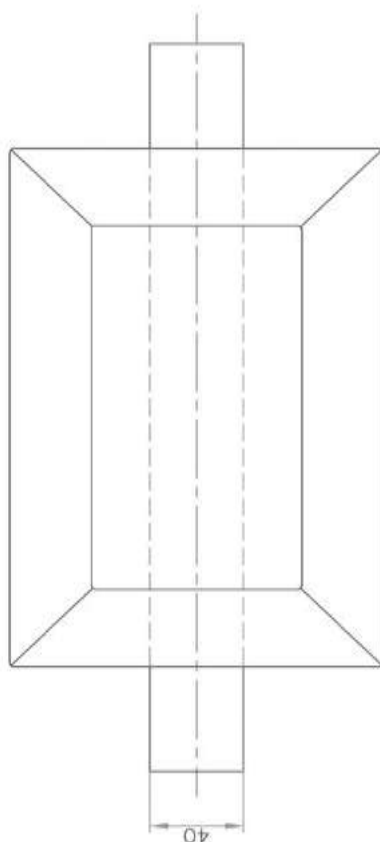
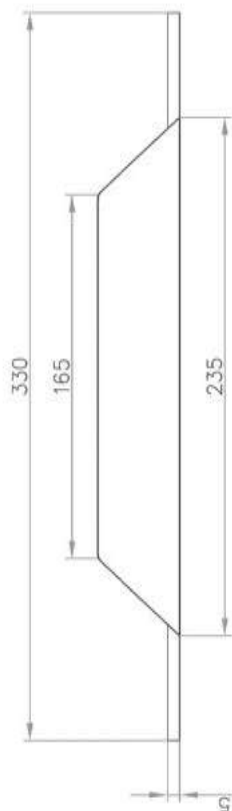
art:

drawn:

dwg:

Dim: A-4

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ALUMINIUM ANODE:

nett weight 2,3 kg
gross weight 2,8 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.04-0.15
Zinc	2.0-5.0
Iron	0.01-0.05
Aluminum	0.01-0.05
Remainder (99.85% Purity)	
Copper	0.02 max
Iron	0.04-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

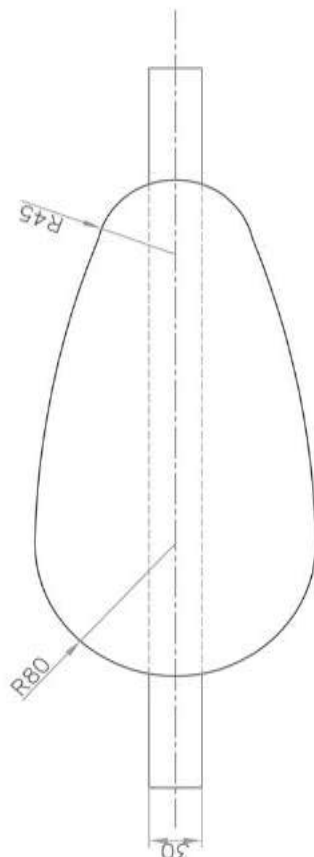
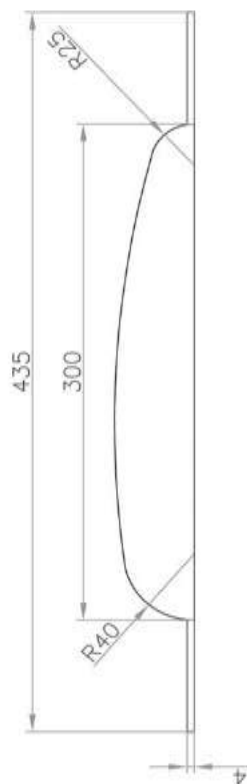
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scale:	n.i.s.	Art.: 922525000
drawn:		Dwg.: S 7583
date:		Dim.: A-4

ANODE TYPE 23-AL-H

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ALUMINIUM ANODE:

nett weight 2,8 kg
gross weight 3,2 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.95% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others	0.02 max

Electrochemical capacity: 2200 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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CATHODIC PROTECTION

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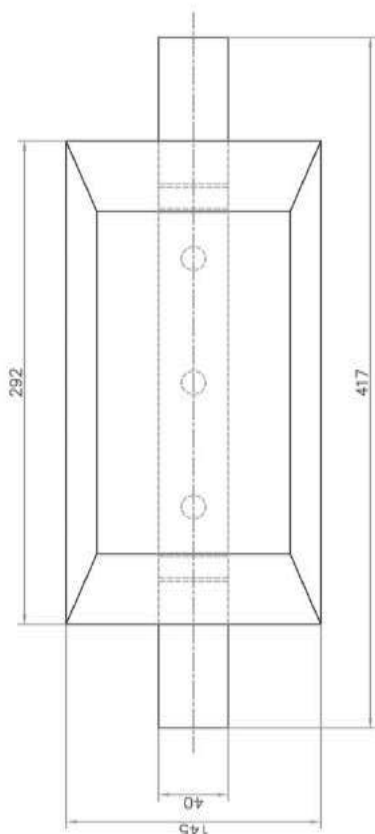
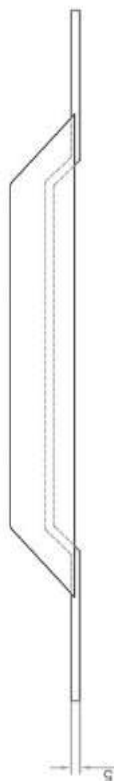
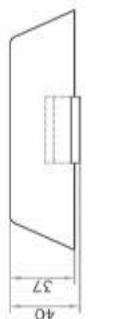
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated package.

ANODE TYPE 28-AL

scale:	n.t.s.	Art.: 922503000
drawn:		Dwg.: S 5684
date:		Dim.: A-4

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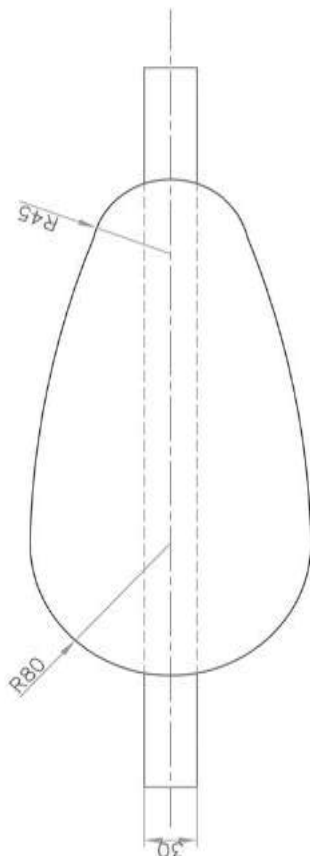
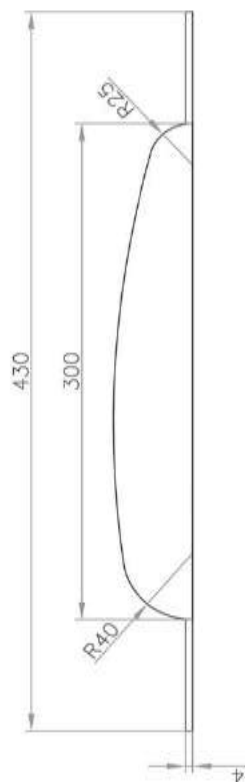
ALUMINIUM ANODE:
nett weight 3,5 kg

Aluminium alloy specification	
Component	Impurities
Aluminium	0.04-0.15
Si	2.6-5.0
Zn	0.01-0.05
Ti	0.01-0.05
Fe	0.02
Copper	0.02
Others	0.02 max

leerdam, The Netherlands P.O. 71.4140 AB Leerdam Tel. +31 (0) 345-633355 Fax. +31 (0) 345-633344 Info@ampak.nl Info@ampakanode.com Info@ampakanode.de		Other specifications are available on request	
AMPAK® CATHODIC PROTECTION		Note: All dimensions and weights are nominal. Dimension in mm All data is subject to change without prior notice Anode can also be provided with a coated backside	
scale:	n.l.s.	Art.:	
drawn:		Dwg.:	
date:		Dim.:	A-4

ANODE TYPE 35-AL

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ALUMINIUM ANODE:

nett weight 3,7 kg
gross weight 4,1 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Balance (99.85% Purity)
Copper	0.02 max
Others each	0.02 max

Electrochemical capacity:
Solution material:

2700 Ah/Kg nominal
-1650 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

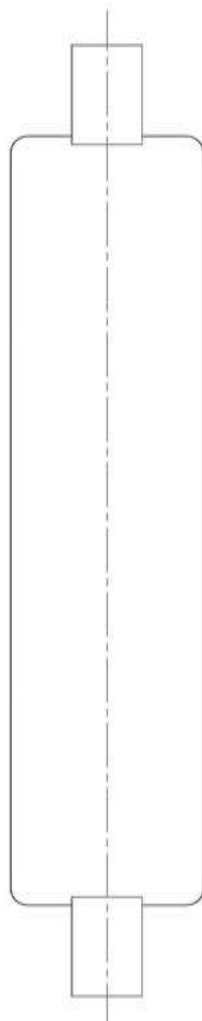
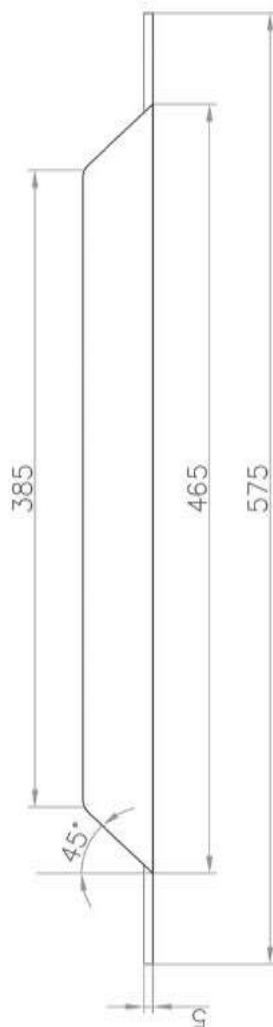
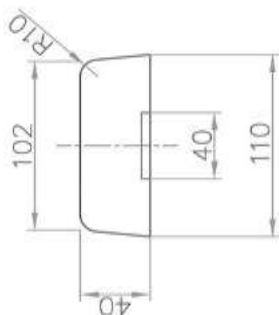
Note: All dimensions and weights are nominal. Dimension in mm.
All data is subject to change without prior notice.
Anode can also be provided with a coated backside.

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scale:	n.t.s.	Art.: 9221860000
drawn:	Dwg.: S 4453	
date:	Dim.: A-4	

ANODE TYPE 37-AL

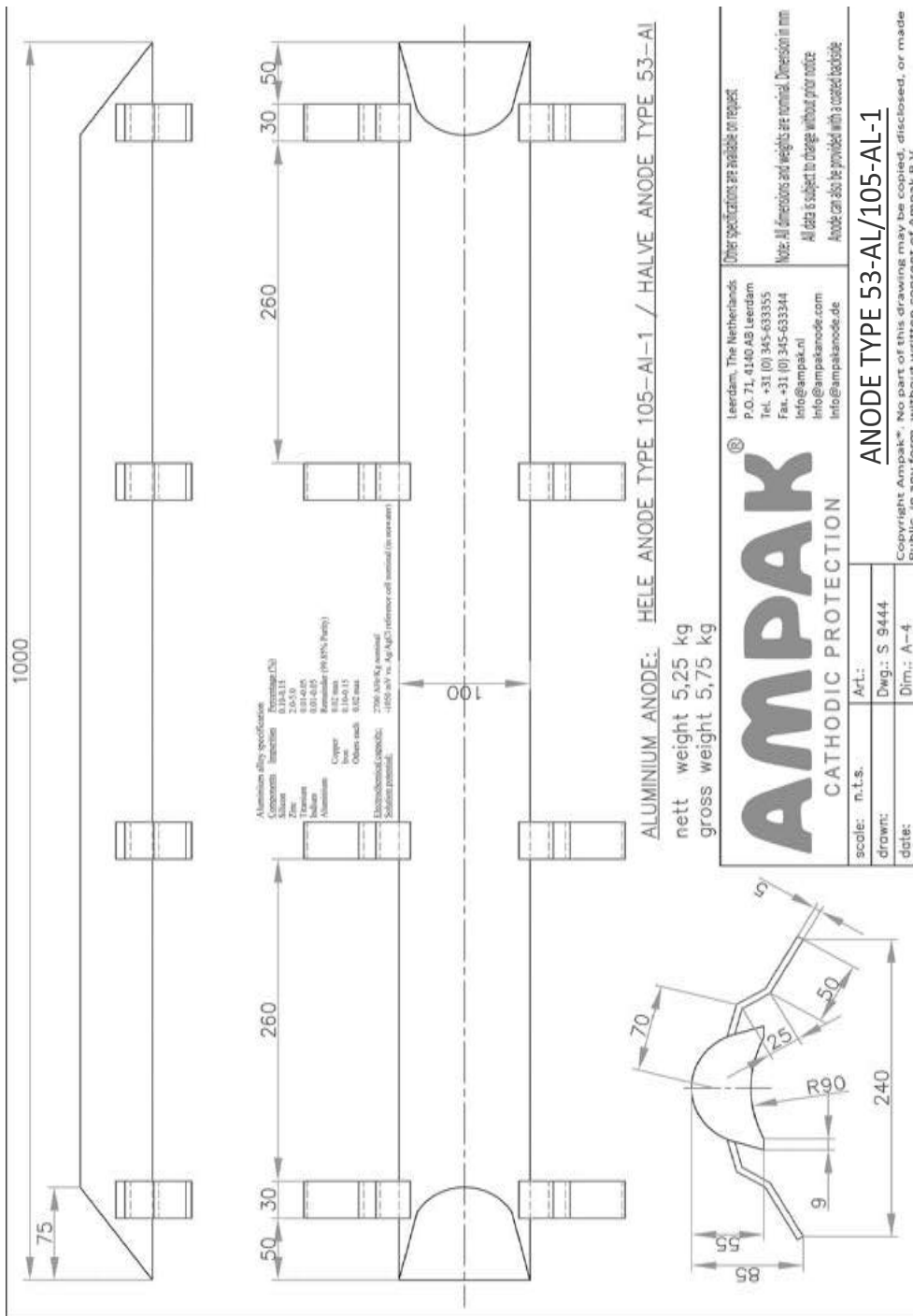
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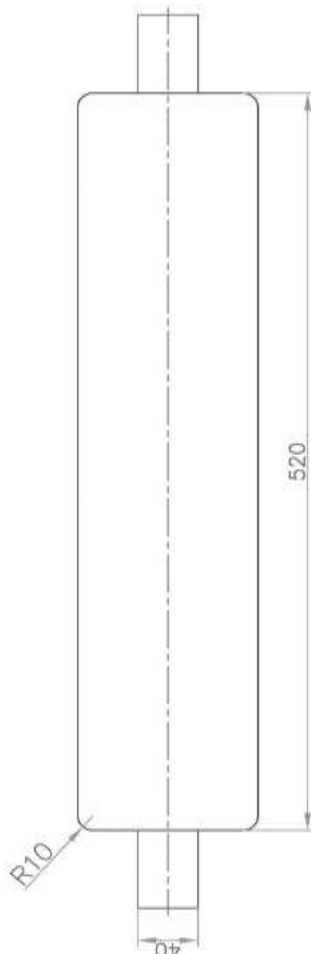
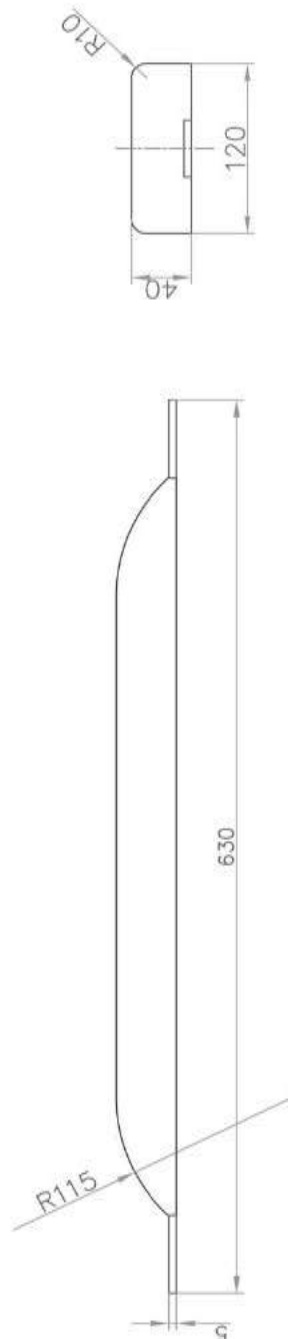


ALUMINIUM ANODE:

nett weight 4,5 kg
gross weight 5,0 kg

Aluminum alloy specification <table><tr><td>Components</td><td>Percentage (%)</td></tr><tr><td>Silicon</td><td>0.10-0.15</td></tr><tr><td>Zinc</td><td>2.0-5.0</td></tr><tr><td>Tin</td><td>0.01-0.05</td></tr><tr><td>Bismuth</td><td>0.01-0.05</td></tr><tr><td>Aluminum</td><td>Remainder (99.85% Purity)</td></tr><tr><td>Copper</td><td>0.02 max</td></tr><tr><td>Iron</td><td>0.10-0.15</td></tr><tr><td>Others each</td><td>0.02 max</td></tr></table>		Components	Percentage (%)	Silicon	0.10-0.15	Zinc	2.0-5.0	Tin	0.01-0.05	Bismuth	0.01-0.05	Aluminum	Remainder (99.85% Purity)	Copper	0.02 max	Iron	0.10-0.15	Others each	0.02 max	AMPAK® CATHODIC PROTECTION		Leerdam, The Netherlands P.O. 71, 4140 AG Leerdam Tel. +31 (0) 345-633355 Fax. +31 (0) 345-633344 Info@ampak.nl Info@ampakcode.com Info@ampakcode.de	Other specifications are available on request Note: All dimensions and weights are nominal. Dimension in mm All data is subject to change without prior notice Anode can also be provided with a coated backside
Components	Percentage (%)																						
Silicon	0.10-0.15																						
Zinc	2.0-5.0																						
Tin	0.01-0.05																						
Bismuth	0.01-0.05																						
Aluminum	Remainder (99.85% Purity)																						
Copper	0.02 max																						
Iron	0.10-0.15																						
Others each	0.02 max																						
scale: n.t.s. drawn: date:		Art.: 922487000 Dwg.: S 5359 Dim.: A-4	ANODE TYPE 45-AL																				
2700 Ah/Kg nominal -1050 mV vs. Ag/AgCl reference cell nominal (in seawater) Solution potential:		Copyright Ampak®. No part of this drawing may be copied, disclosed, or made Public in any form, without written consent of Ampak B.V.																					





ALUMINIUM ANODE

nett weight 6,2 kg
gross weight 6,8 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.02
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution resistance: -1000 mV vs. Ag/AgCl reference cell nominal (in seawater)

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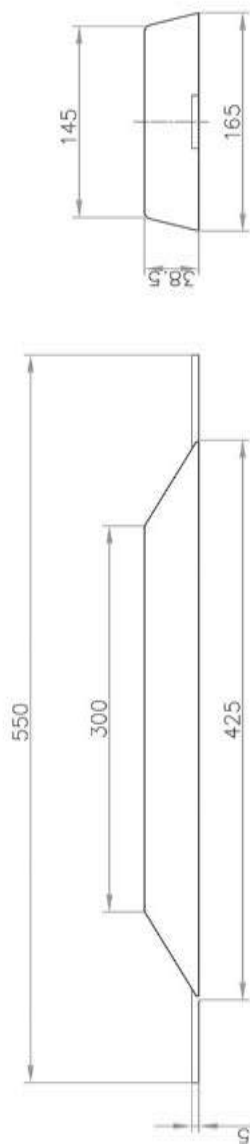
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Info@ampakanode.de

Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.
Art.:	922489000
Dwg.:	S 4455
Dim.:	A-4

ANODE TYPE 62-AL

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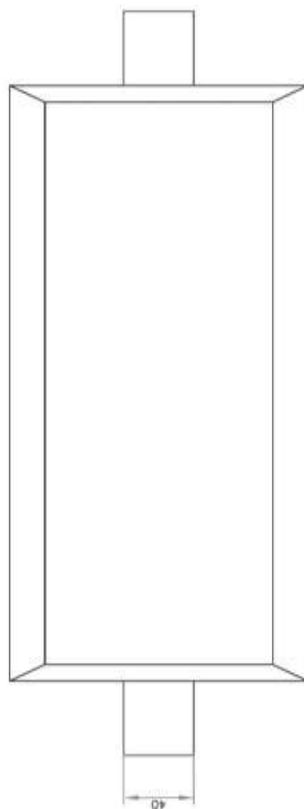
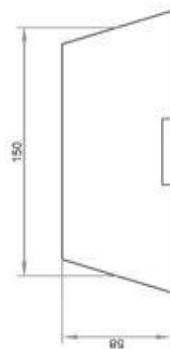
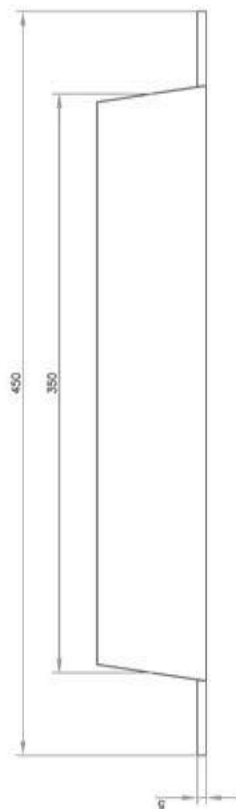


ALUMINIUM ANODE:
 nett weight 6,4 kg
 gross weight 7,2 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Pure)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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		scale: n.i.s. drawn: date:	Art.: 923446000 Dwg.: S 8947 Dim.: A-4
		ANODE TYPE 64-AL-H	
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ALUMINIUM ANODE:

nett weight 7,5 kg
gross weight 8,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0,05-0,15
Zinc	2,0-5,0
Titanium	0,01-0,05
Iron	0,01-0,05
Aluminium	Remainder (99,85% Purity)
Copper	0,02 max
Iron	0,10-0,15
Others each	0,02 max

Electrochemical capacity: 2200 Ah/Kg nominal
Solution potential: -1000 mV vs. Ag/AgCl reference cell nominal (in seawater)

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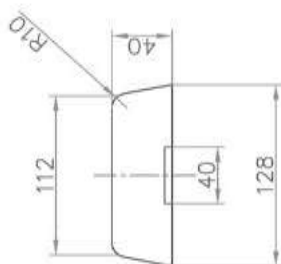
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 923942000
drawn:		Dwg.: S 10213
date:		Dim.: A-4

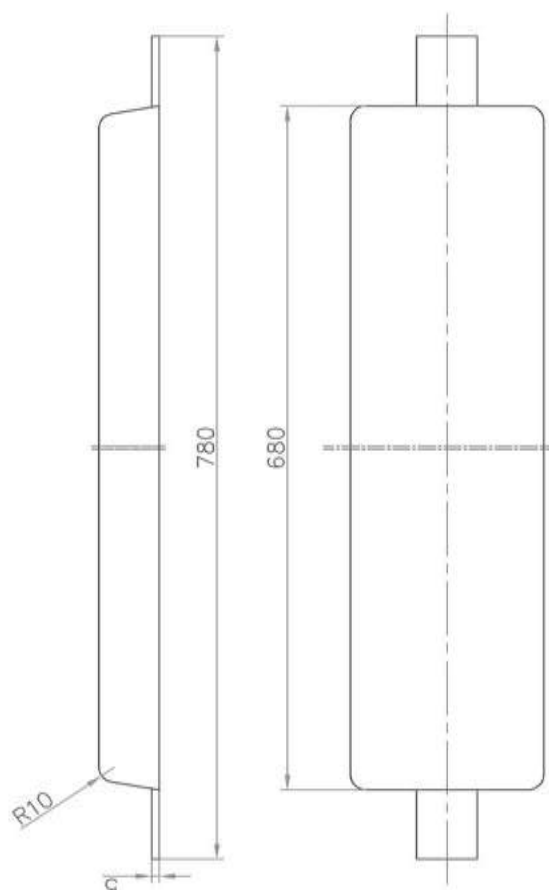
ANODE TYPE 75-AL

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ALUMINIUM ANODE:

nett weight 8,7 kg
gross weight 9,3 kg



Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max
Electrochemical capacity:	
2700 Ah/Kg nominal	
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)	

CATHODIC PROTECTION

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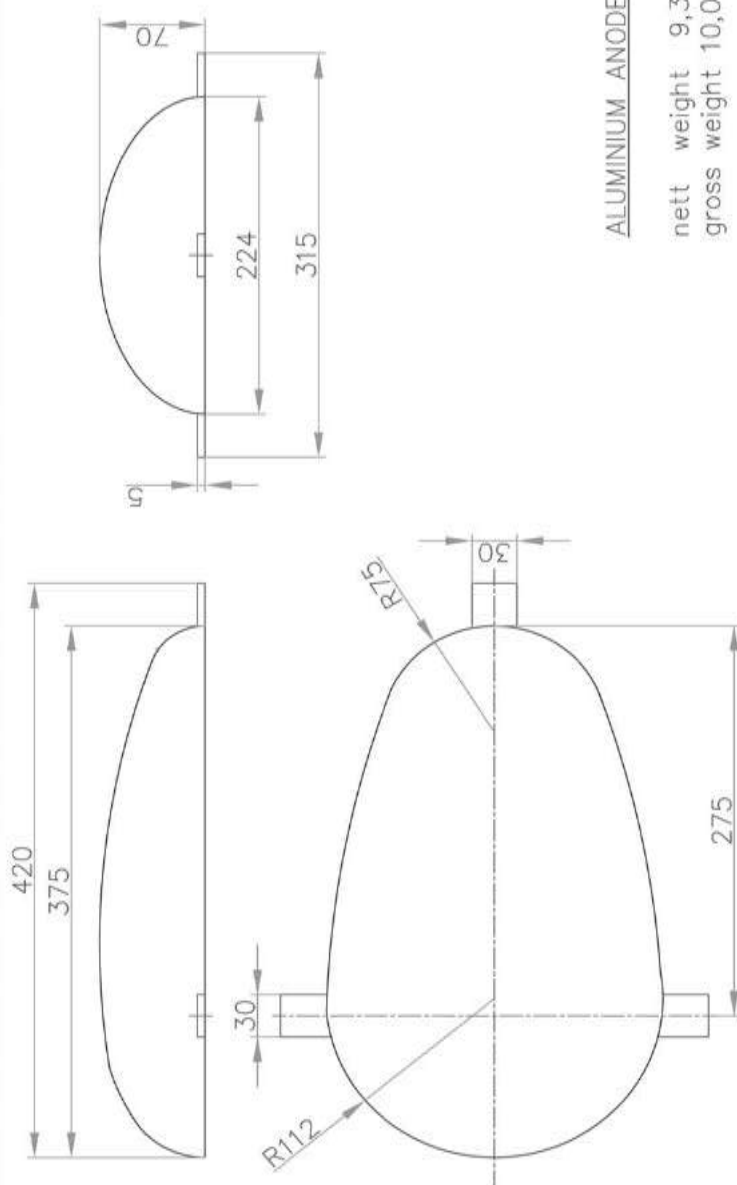
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a trolley handle

scale:	n.t.s.	Art.: 922498000
drawn:		Dwg.: S 5613
date:		Dim.: A-4

ANODE TYPE 87-AL

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ALUMINIUM ANODE:

nett weight 9,3 kg
gross weight 10,0 kg

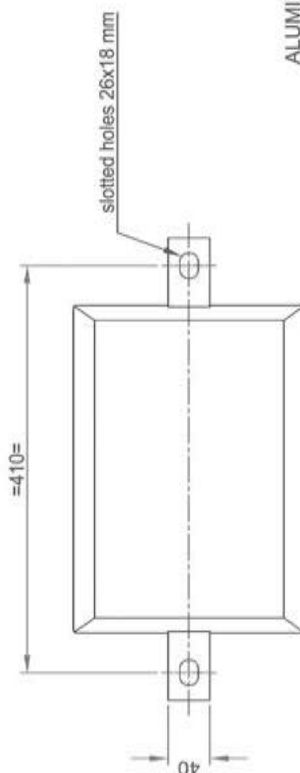
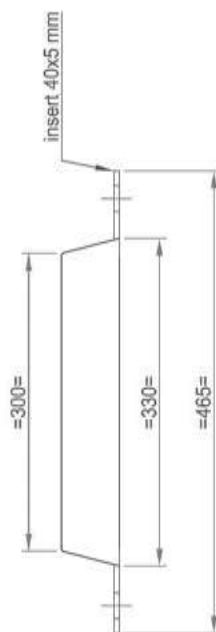
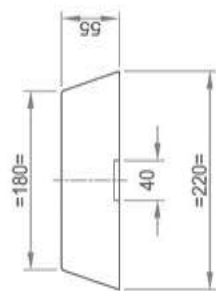
Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.04-0.15
Others	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1.050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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ANODE TYPE 93-AL	
scale: n.t.s.	Art.: 922495000
drawn: S 4458	Dwg.: S 4458
date:	Dim.: A-4

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ALUMINIUM ANODE

net weight: 9,5 kg

gross weight: 10,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.10-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.10-0.15
Iron	0.02 max
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution resistance: -1050 mV vs. Ar/AgCl reference cell nominal (in seawater)

Other specifications are available on request

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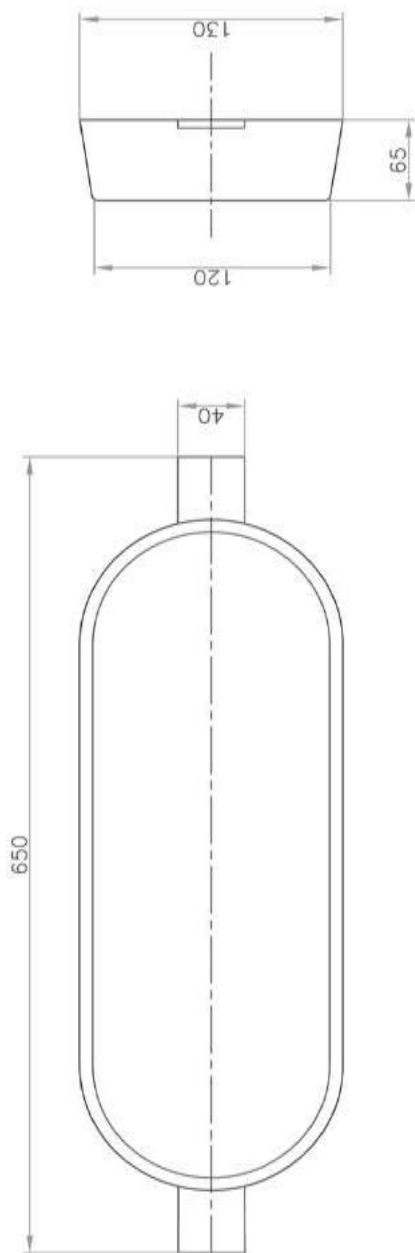
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anodes are also be provided with a standard barcode

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scale: 1:10	Art.: 923426000
drawn:	Dwg.: S 9096
date:	Dim.: A-4

ANODE TYPE 95-AL

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ALUMINIUM ANODE:
 nett weight 10,1 kg
 gross weight 11,6 kg

Aluminium alloy specification	
Component	Percentage (%)
Silicon	0.10-0.15
Zinc	2.45-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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 info@ampakanoode.com
 info@ampakanoode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice.
 Anode can also be provided with a coated backside

scale: 1 : 4	Art.:
drawn:	Dwg.:
date:	D'm.: A-4

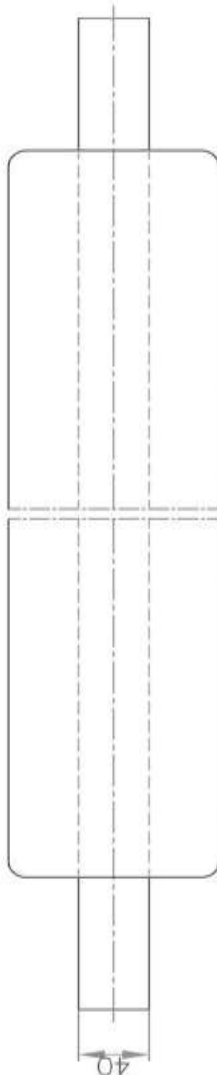
ANODE TYPE 101-AL

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910

800

5



ALUMINIUM ANODE:

nett weight 10,5 kg

gross weight 11,2 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.10 max
Others	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

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Info@ampak.nl
Info@ampakanode.com
Info@ampakanode.de

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a total lockode

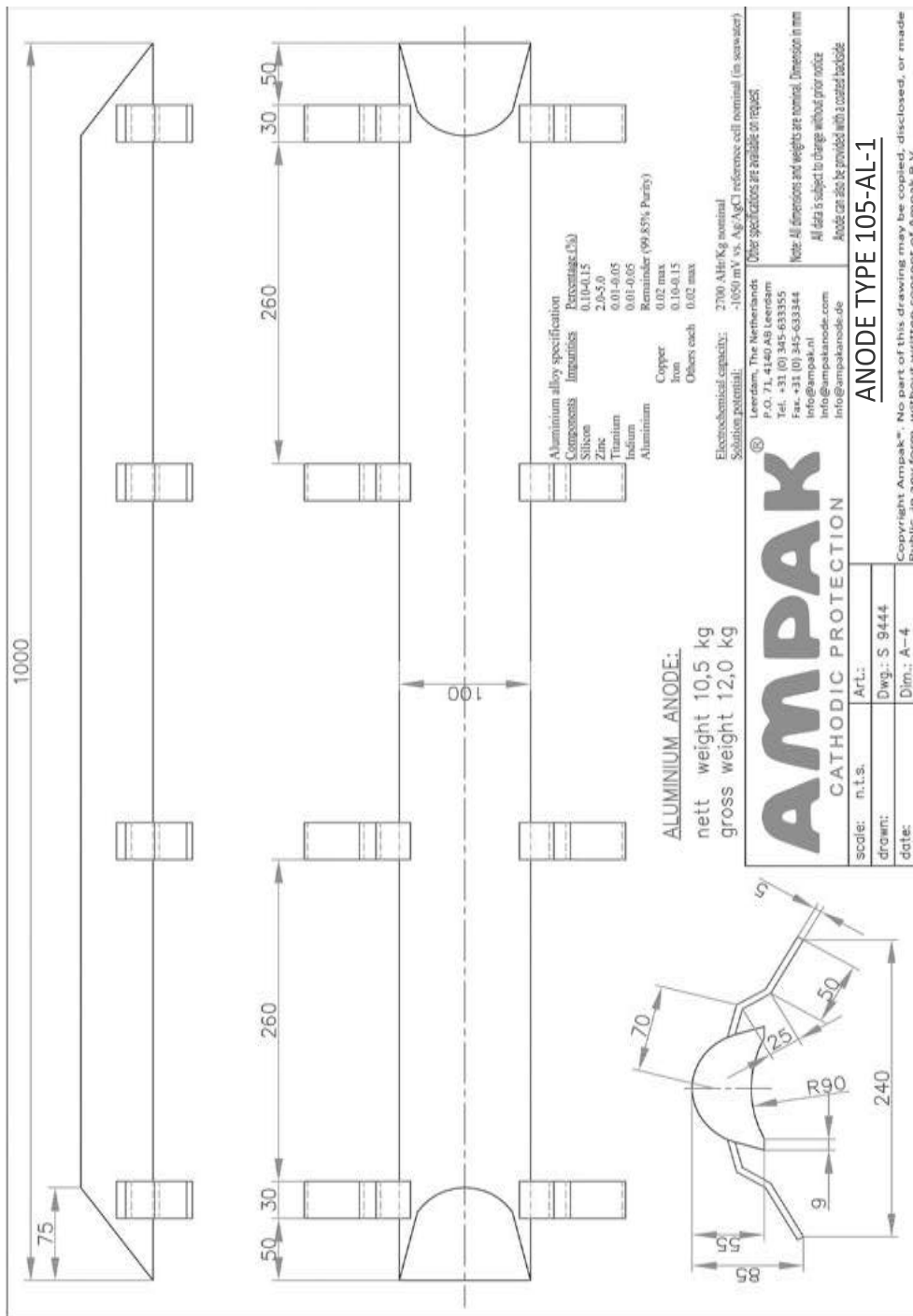
scale: n.t.s. Art.: 922490000

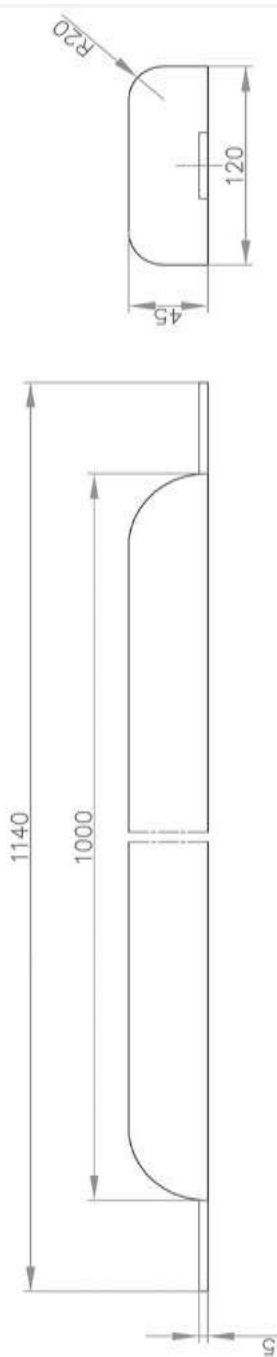
drawn: Dieg.: S 4459

date: Dim.: A-4

ANODE TYPE 105-AL

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ALUMINIUM ANODE:

nett weight 13,0 kg
gross weight 14,0 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.04-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.07 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution resistance: -1650 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Info@ampakanode.nl
Info@ampakanode.com
Info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922499000
drawn: S 5615	Dieg.: A-4
date:	

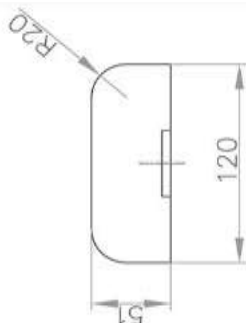
ANODE TYPE 130-AL

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1140

1000

120



ALUMINIUM ANODE:

nett weight 15,0 kg

gross weight 16,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1600 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

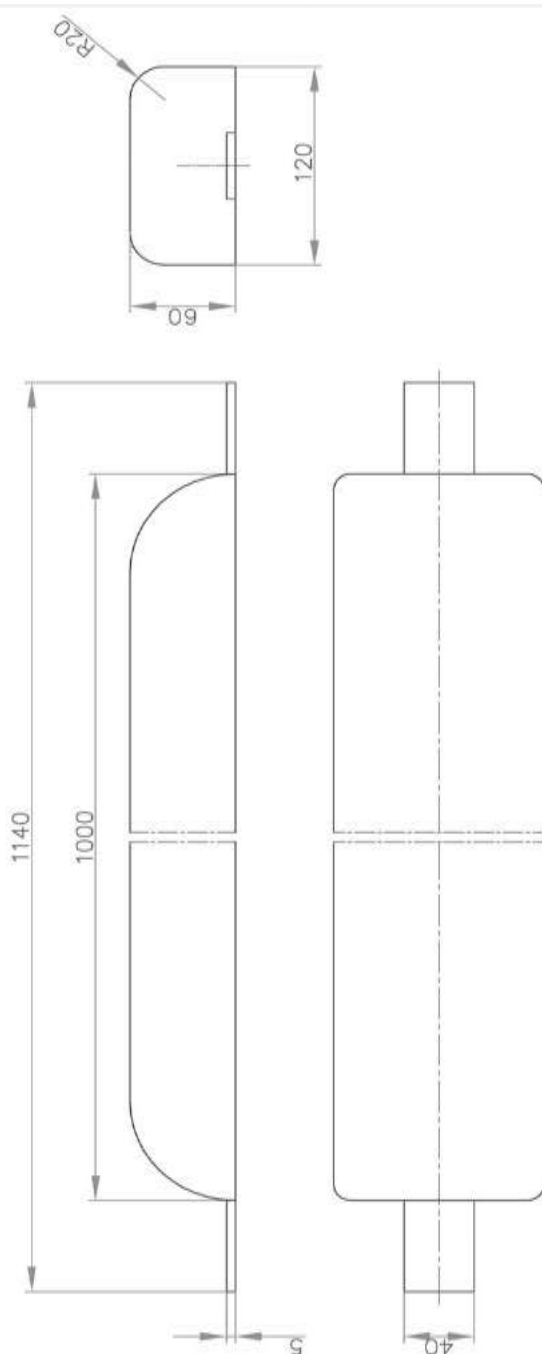
scale: n.l.s. Art.: 923526000

drawn: Dwg.: S 9070

date: Dim.: A-4

ANODE TYPE 150-AL

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ALUMINIUM ANODE:

nett weight 19,0 kg
gross weight 20,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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scale: n.t.s.	Art.: 922500000
drawn:	Des.: S 3568 A
date:	Dim.: A-4

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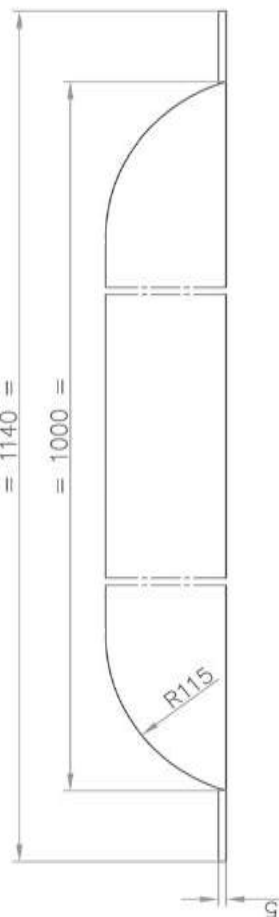
Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backbone

ANODE TYPE 190-AL

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= 1140 =

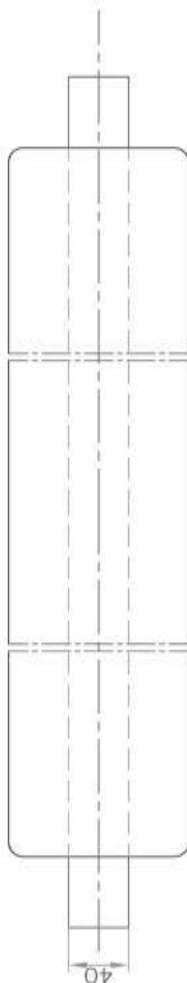
= 1000 =



ALUMINIUM ANODE:

nett weight 25,0 kg

gross weight 26,3 kg



Aluminium alloy specification

Components Impurities Percentage (%)

Silicon 0.10-0.15

Zinc 2.0-5.0

Titanium 0.01-0.05

Iron 0.01-0.05

Recycling (99.85% Purity)

Copper 0.02 max

Iron 0.10-0.15

Others each 0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a control lockable

ANODE TYPE 250-AL

scale: n.t.s. Art.: 922494000

drawn: Dwg.: S 4648

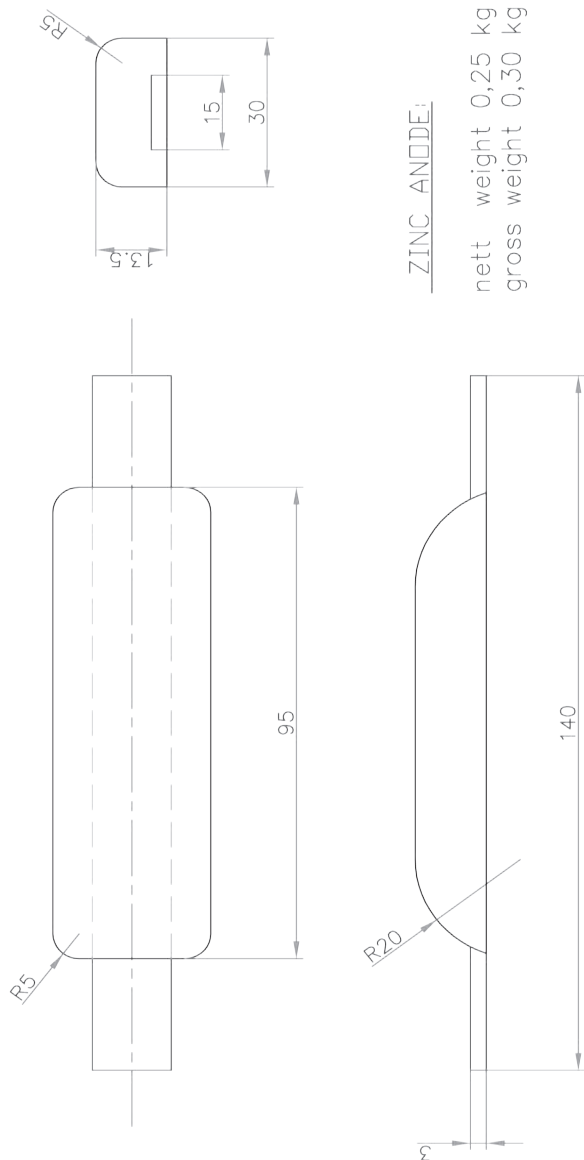
date: Dim.: A-4

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ZINC WELD-ON HULL ANODES

The next pages gives only a selection of types we have available.

The length of the inserts can vary on your request, as long as they are longer than the casted anode body.



ZINC ANODE:

nett weight 0,25 kg
gross weight 0,30 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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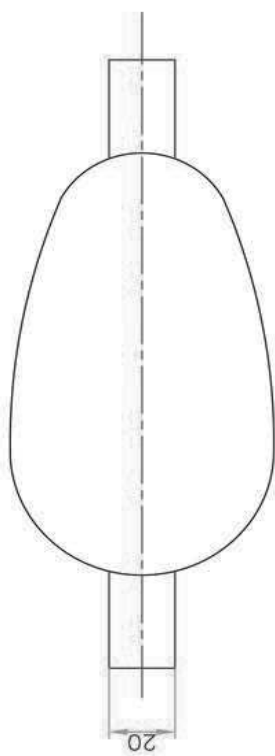
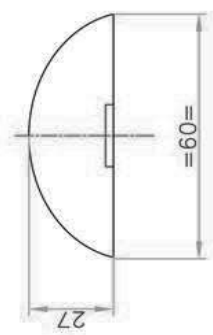
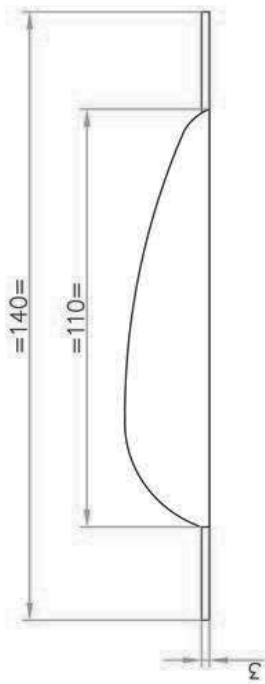
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Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:	922175000
drawn:		Dwg.:	S 4495
date:		Dim.:	A-4

ANODE TYPE 2.5-Z

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ZINC ANODE:

nett weight 0,6 kg
gross weight 0,7 kg

Zinc alloy specifications acc. US MIL. Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.005 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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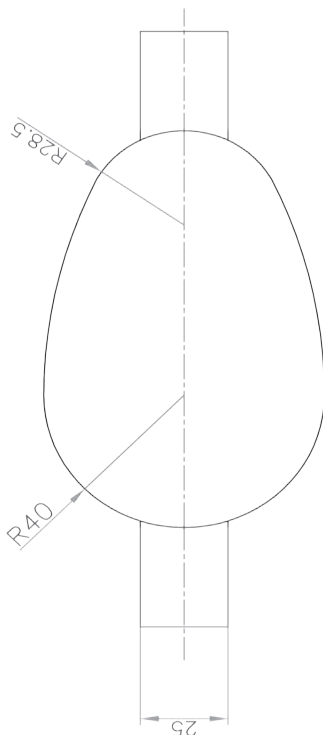
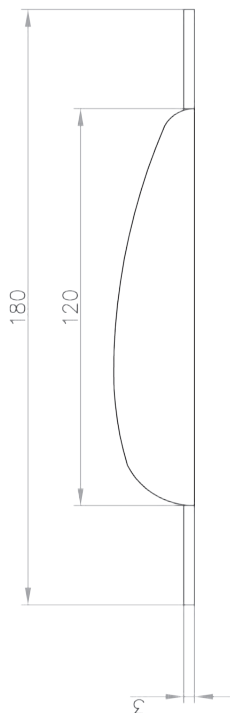
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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.:	ANODE TYPE 6-Z
drawn:	Dwg.:	
date:	Dim.: A-4	

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ZINC ANODE:

nett weight 0,9 kg
gross weight 1,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

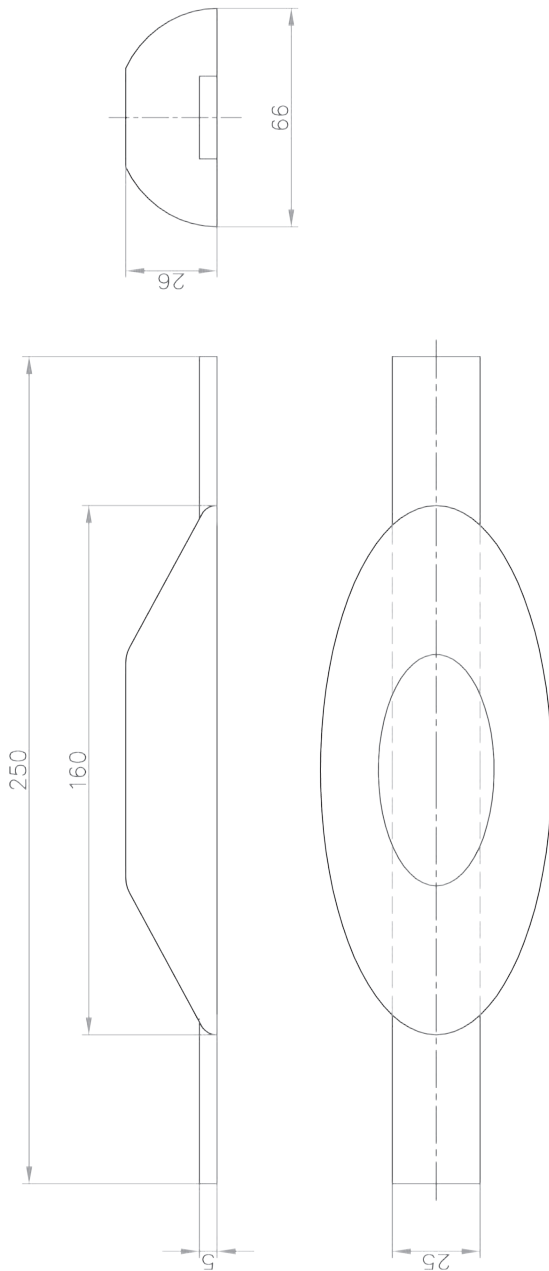
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scale:	n.t.s.	Art.:	922171000
drawn:		Dwg.:	S 4428
date:		D'm.:	A-4

ANODE TYPE 9-Z

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ZINC ANODE:

nett weight 1,0 kg
gross weight 1,2 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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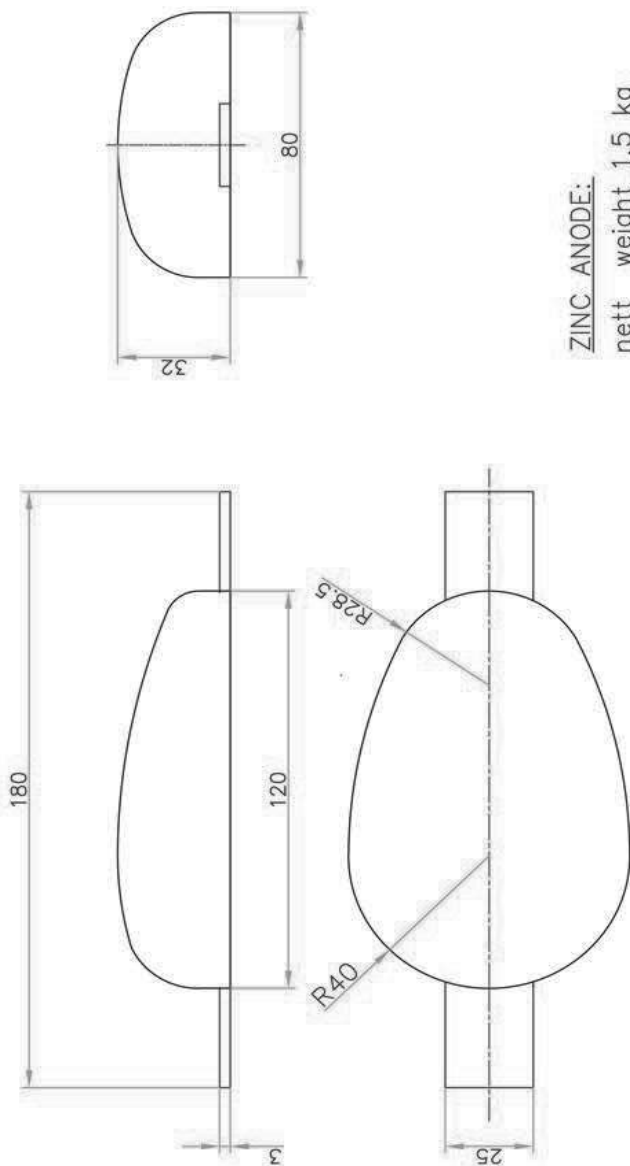
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.i.s.	Art.: 922259000
drawn:		Dwg.: S 8091
date:		D'm.: A - 4

ANODE TYPE 10-Z-H

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ZINC ANODE:

nett weight 1,5 kg

gross weight 1,6 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

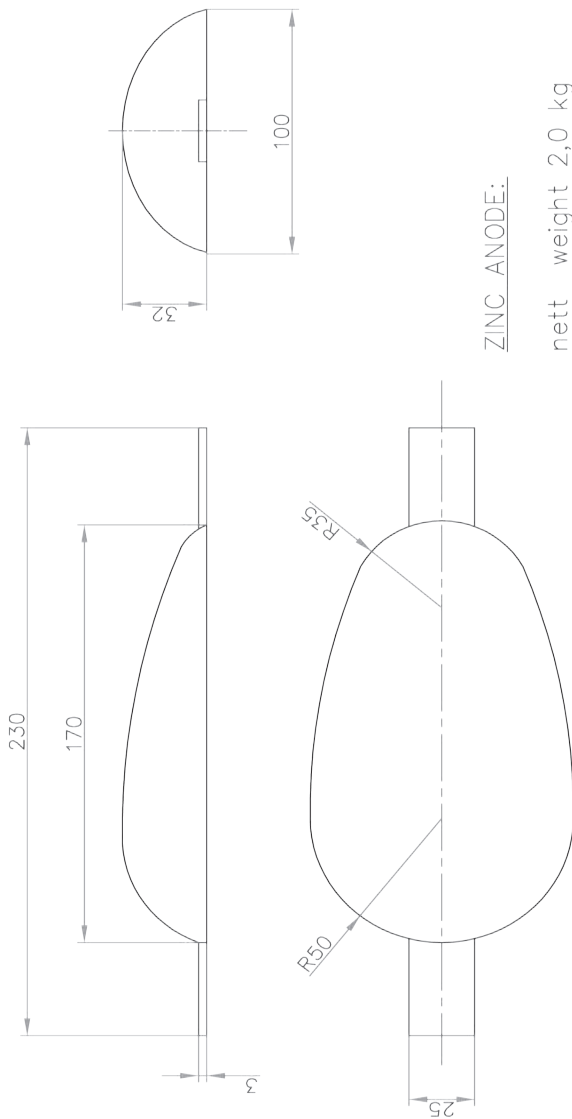
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Anode can also be provided with a coated backside

ANODE TYPE 15-Z

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scale:	n.t.s.	Art.: 922245000
drawn:		Dwg.: S 7733
date:		Dim.: A-4



ZINC ANODE:

nett weight 2,0 kg
gross weight 2,2 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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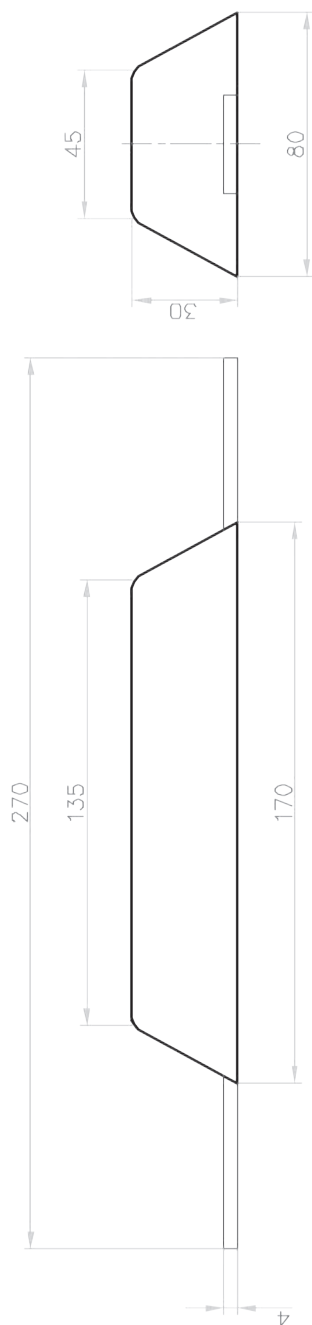
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922226000
drawn:	Dwg.: S 57/11
date:	D'm.: A-4

ANODE TYPE 20-Z

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ZINC ANODE:
 nett weight 2,0 kg
 gross weight 2,3 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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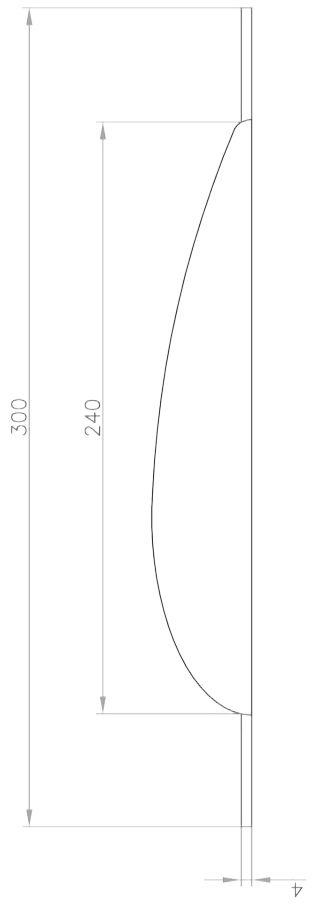
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

ANODE TYPE 20-Z-H

scale:	Art. No.: 808064
drawn:	Dwg. No.: S-7578
date:	Dim.: A-4

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ZINC ANODE:
 nett weight 2,6 kg
 gross weight 2,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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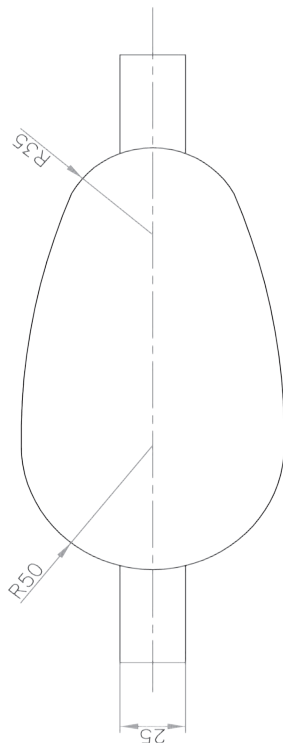
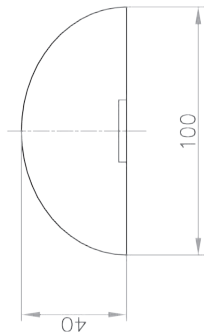
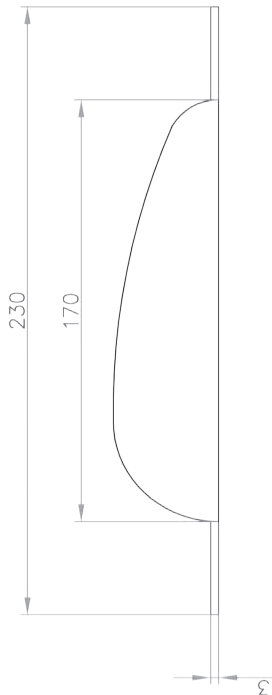
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Other specifications are available on request
 Note: All dimensions and weights are nominal. Dimension in mm
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 Anode can also be provided with a coated backside

scale:	n.l.s.	Art.: 922185000
drawn:		Dwg.: S 5376
date:		D'm.: A-4

ANODE TYPE 26-Z

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ZINC ANODE:

nett weight 2,8 kg
gross weight 3,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

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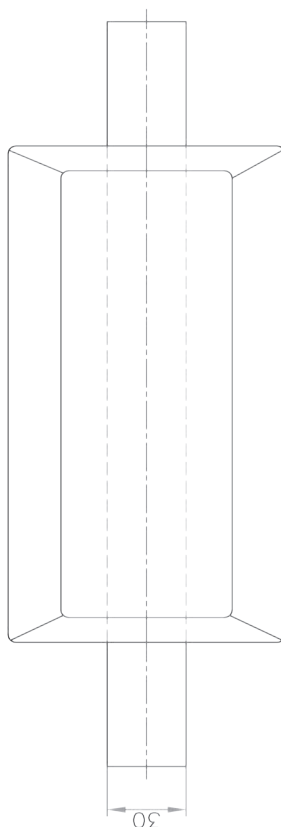
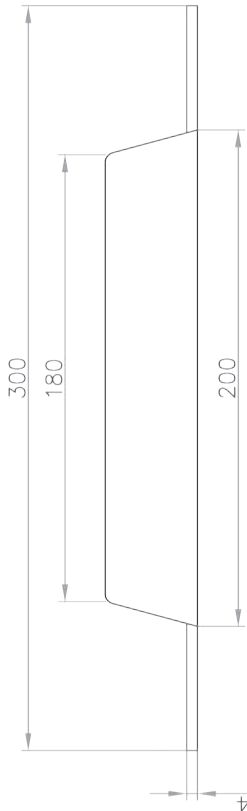
Anode can also be provided with a coated backside



scale:	n.t.s.	Art.: 922180000
drawn:		Dwg.: S 4429
date:		D'm.: A-4

ANODE TYPE 28-Z

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ZINC ANODE:
 nett weight 4,0 kg
 gross weight 4,3 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

Art.: 922234000

Dwg.: S 7580

Dim.: A - 4

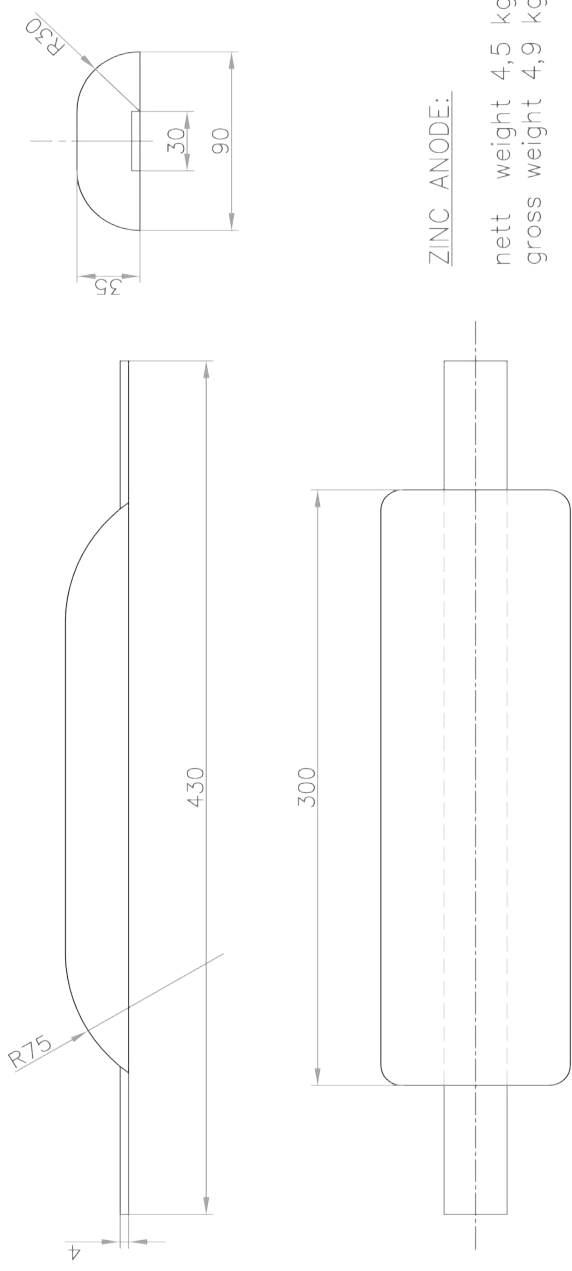
scale: n.t.s.

drawn:

date:

ANODE TYPE 40-Z-H

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ZINC ANODE:

nett weight 4,5 kg
gross weight 4,9 kg

Zinc alloy specifications acc. US MIL Spec-A-18001.K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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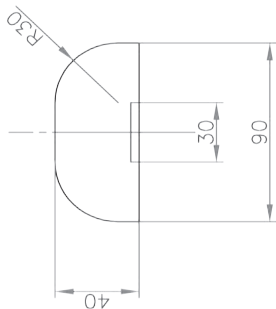
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:	922188000
drawn:		Dwg.:	S 4430A
date:		D'm.:	A-4

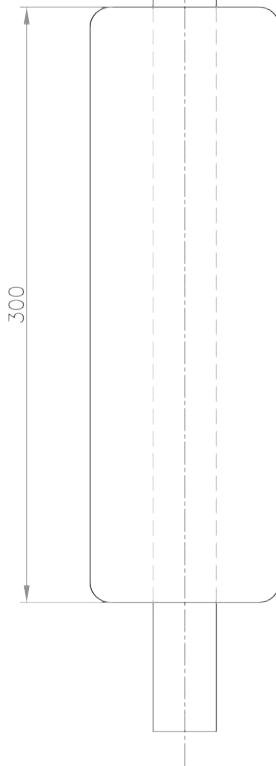
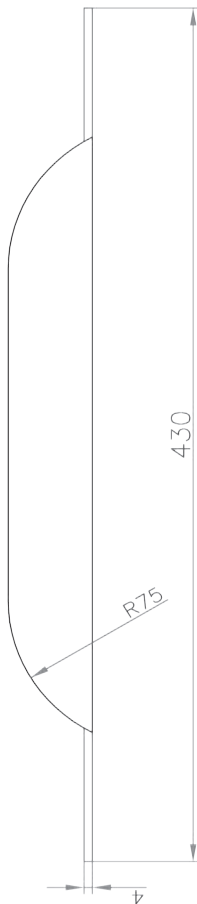
ANODE TYPE 45-Z

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ZINC ANODE:

nett weight 5,0 kg
gross weight 5,4 kg



Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:	780 Ahr/Kg nominal	
Solution potential:	-1050 vs. Ag/AgCl reference cell nominal (in seawater)	

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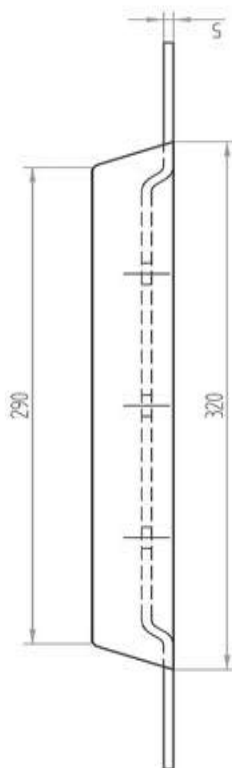
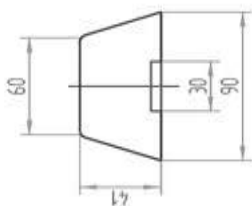
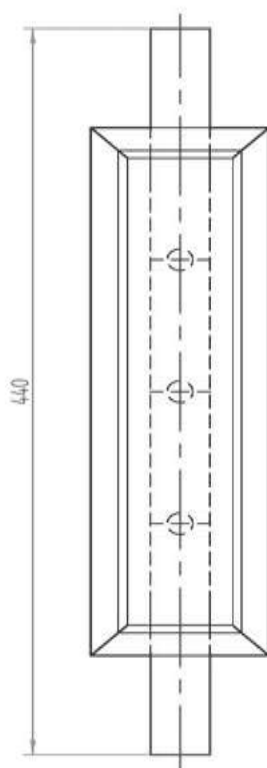
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 50-Z

scale:	n.t.s.	Art.: 92218600
drawn:	Ted Goossens	Dwg.: S 4430
date:	21-06-2004	Dim.: A-4

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ZINK ANODE:
net weight 5,5 KG
gross weight 6,0 KG

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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CATHODIC PROTECTION

scale: n.l.s.	art:
drawn:	dwg: S 10917
date:	Dim: A-4

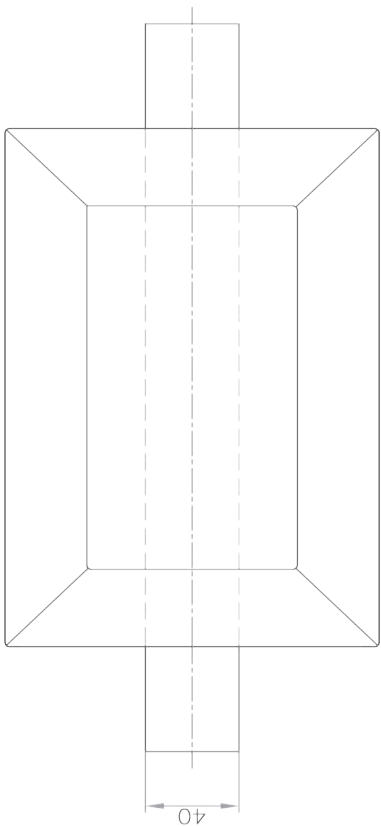
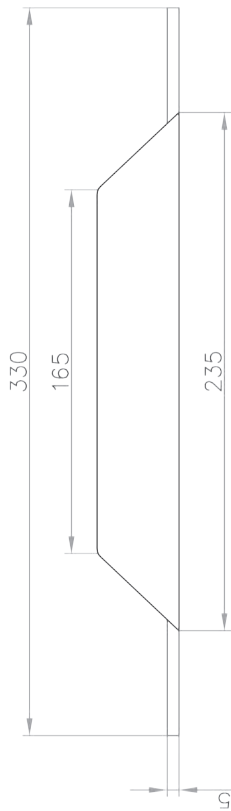
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Fax. +31 (0) 345-633344
info@ampak.nl
info@ampakoxide.com
info@ampakoxide.de

Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm.
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Anode can also be provided with a coated cathode.

ANODE TYPE 55-Z

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ZINC ANODE:
 nett weight 6,0 kg
 gross weight 6,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

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Anode can also be provided with a coated backside

Art.: 922235000

Dwg.: S 7582

Dim.: A - 4

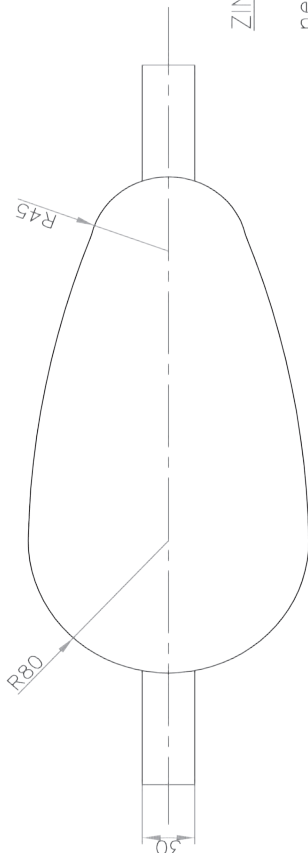
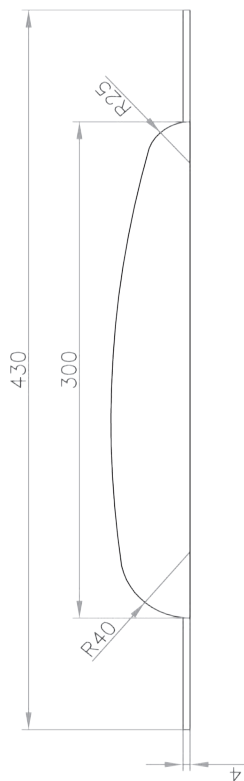
scale: n.t.s.

drawn:

date:

ANODE TYPE 60-Z-H

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ZINC ANODE:

nett weight 7,1 kg
gross weight 7,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
Others total		0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

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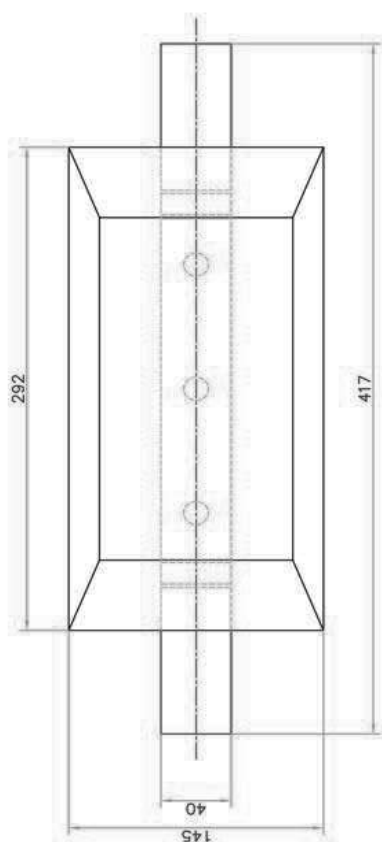
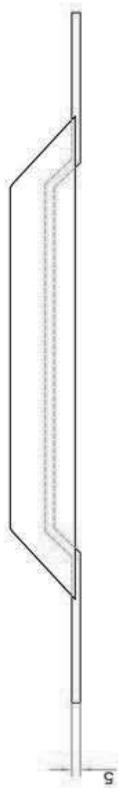
Anode can also be provided with a coated bacicle

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scale:	n.t.s.	Art.: 922209000
drawn:		Dwg.: S 5614
date:		Dim.: A-4

ANODE TYPE 71-Z

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ZINC ANODE:
 nett weight 9,1 kg
 gross weight 9,6 kg

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scale: n.l.s. Art.: 926232000
 drawn: Dwg.:
 date: Dim.: A-4

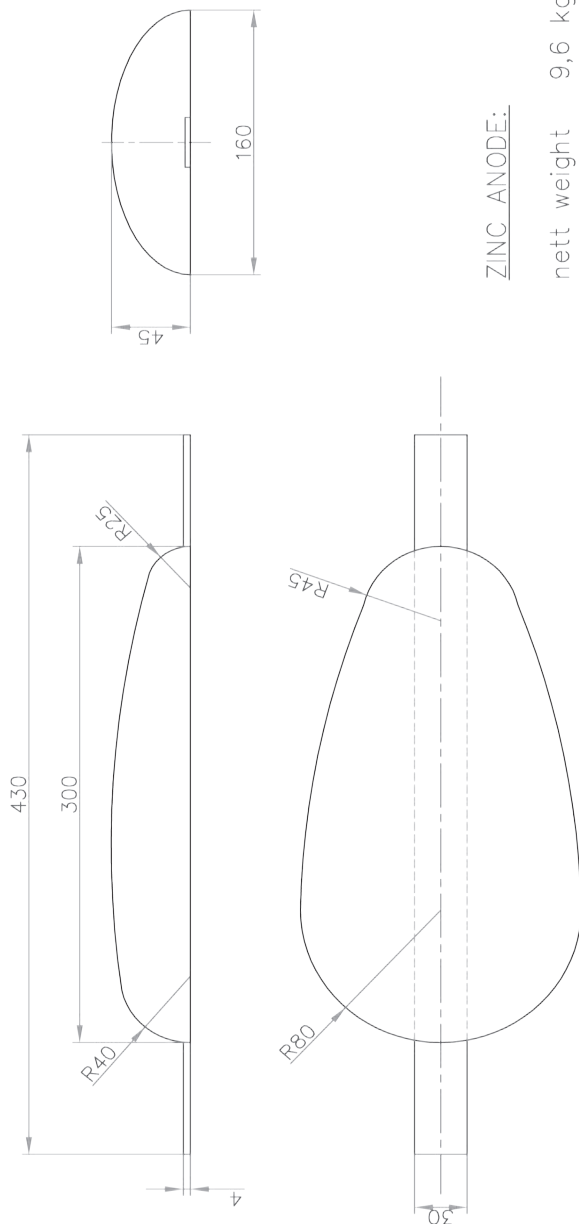
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ANODE TYPE 91-Z

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ZINC ANODE:

nett weight 9,6 kg
gross weight 10,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

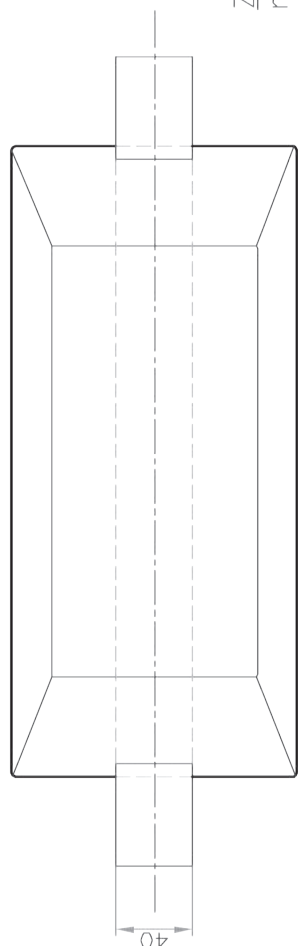
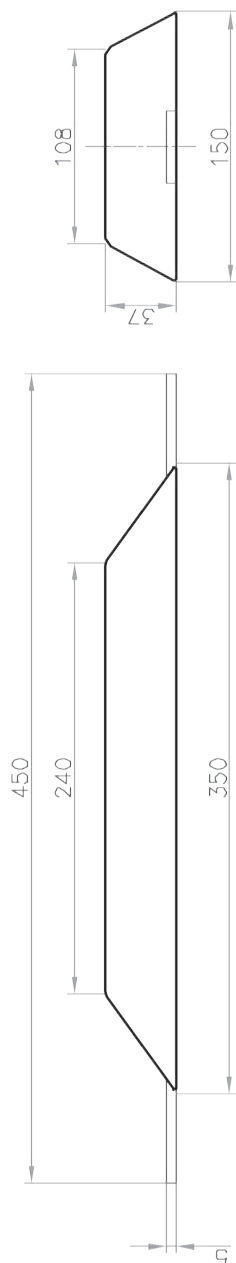
Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

AMPAC
CATHODIC PROTECTION

scale:	n.i.s.	Art.:	922191000
drawn:		Dwg.:	S 4431
date:		Dim.:	A-4

ANODE TYPE 96-Z

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ZINC ANODE:
 nett weight 9,6 kg
 gross weight 10,1 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



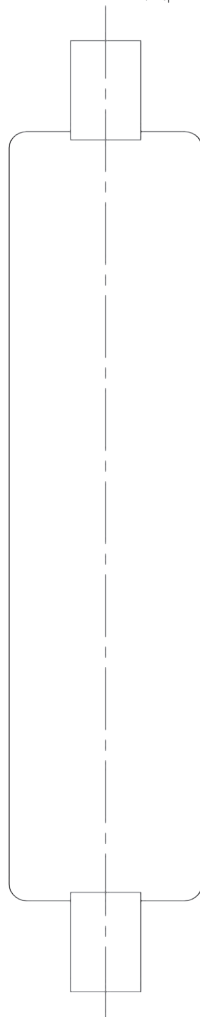
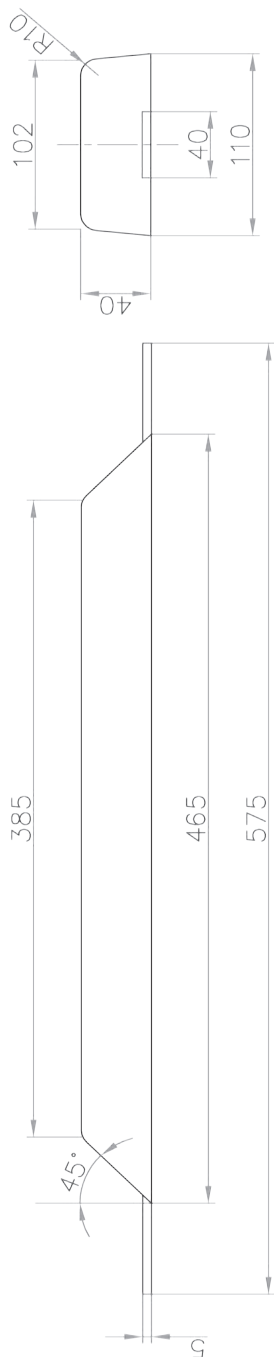
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 Note: All dimensions and weights are nominal. Dimension in mm
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 Anode can also be provided with a coated backside

scale:	n.t.s.
drawn:	
date:	
Art.:	922263900
Dwg.:	S 7573
Dim.:	A-4

ANODE TYPE 96-Z-H

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ZINC ANODE:

nett weight 12,0 kg
gross weight 12,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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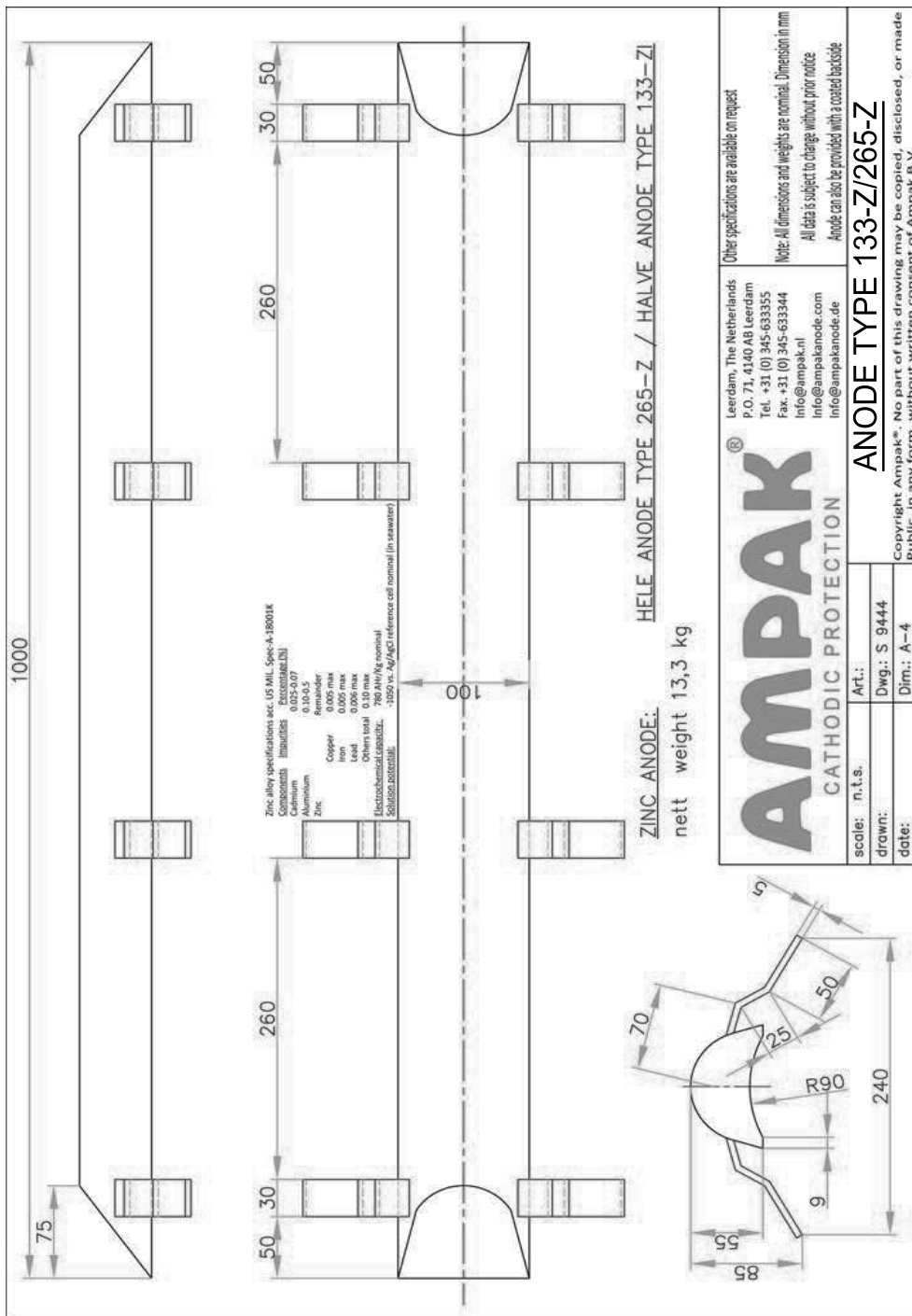
Other specifications are available on request

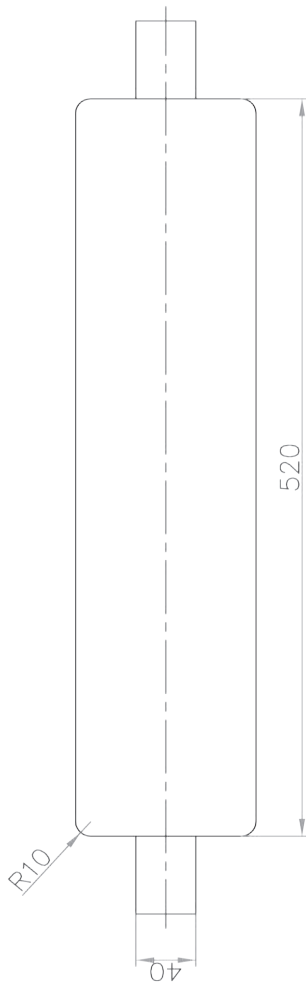
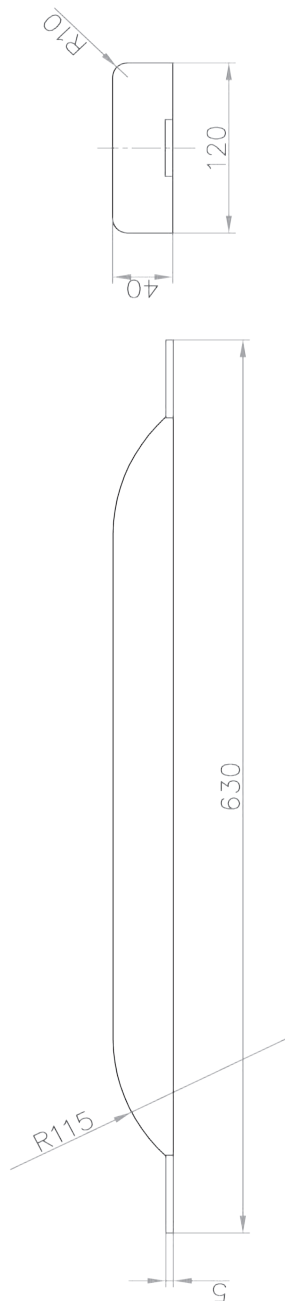
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.l.s.
Art.:	922195000
Dwg.:	S 5358
Dim.:	A-4
drawn:	
date:	

ANODEN TYPE 120-Z

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ZINC ANODE:

nett weight 15,5 kg
gross weight 16,1 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

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Anode can also be provided with a coated backside

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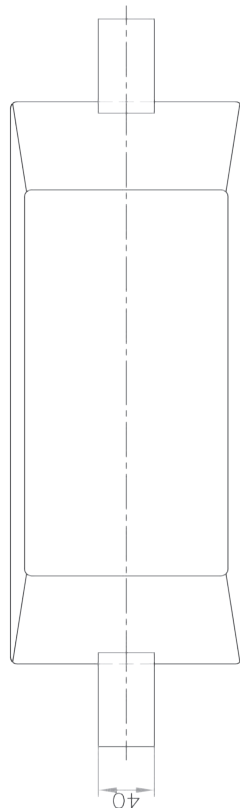
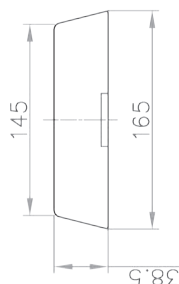
scale: n.t.s. Art.: 922199000

drawn: Dwg.: S 4433

date: Dim.: A-4

ANODE TYPE 155-Z

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ZINC ANODE:
 nett weight 16,0 kg
 gross weight 16,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl (reference cell nominal (in seawater))

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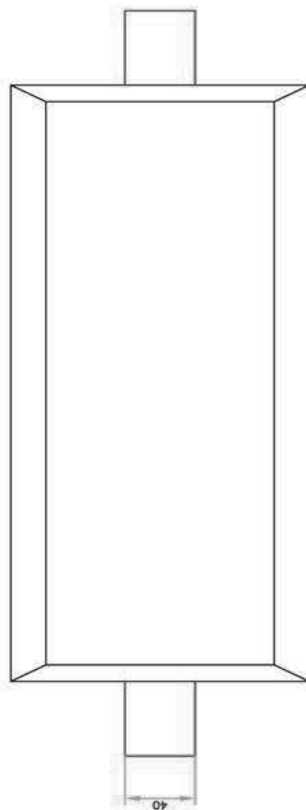
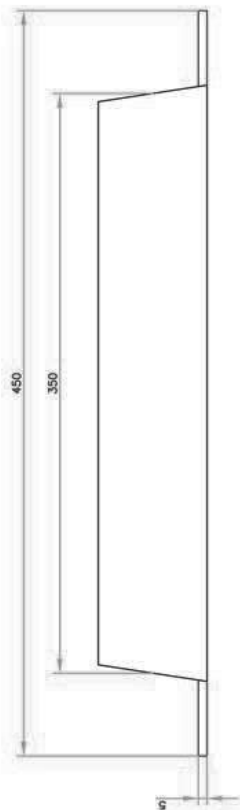
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922266000
drawn:	Dwg.: S 8113
date:	Dim.: A-4

ANODE TYPE 160-Z-H

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ZINC ANODE:

nett weight 19,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.

Art.:

drawn:

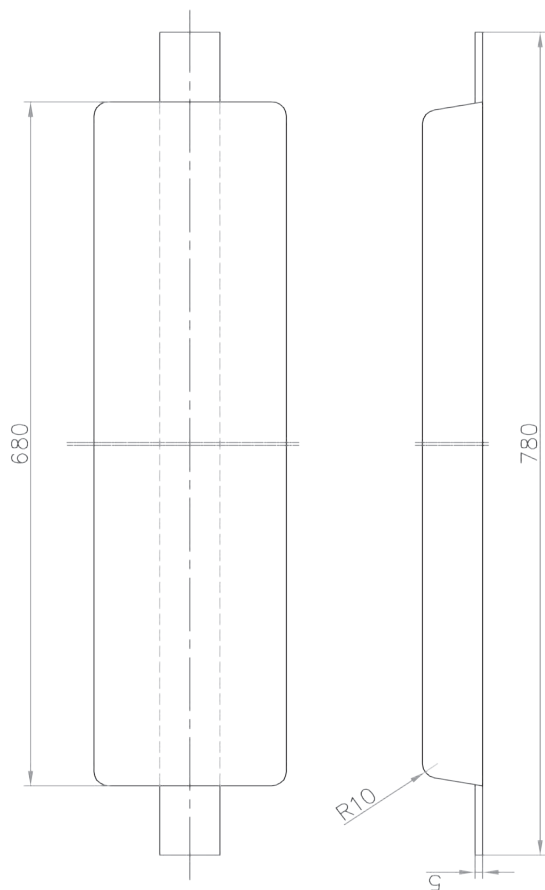
Dwg.:

date:

Dim.: A-4

ANODE TYPE 190-Z

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ZINC ANODE:

nett weight 21,7 kg
gross weight 22,4 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

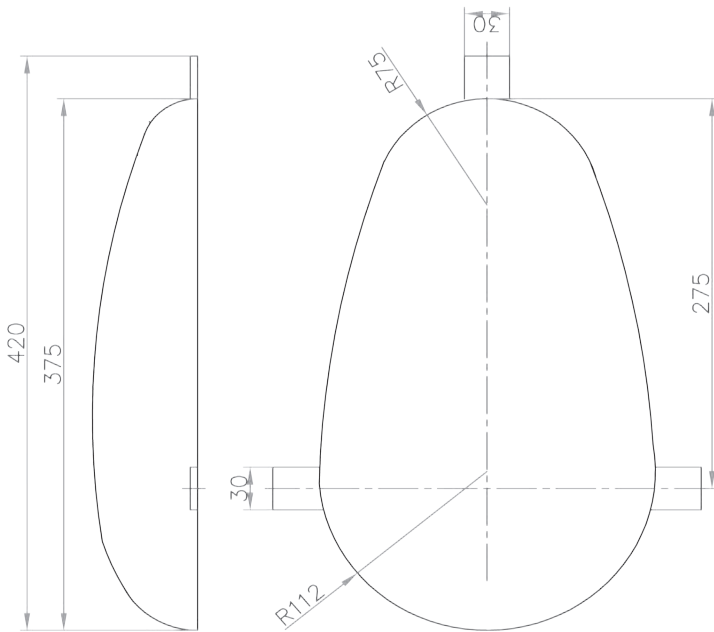
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside



scale:	n.t.s.	Art.: 922215000
drawn:		Dwg.: S 5617
date:		Dim.: A-4

ANODE TYPE 217-Z

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ZINC ANODE:

nett weight 23,3 kg
gross weight 24,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl (reference cell nominal (in seawater))

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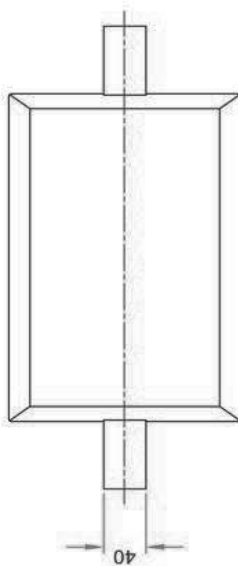
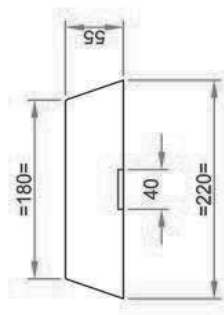
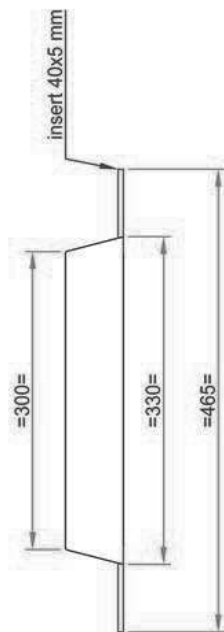
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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scale:	n.i.s.	Art.: 922211000
drawn:		Dwg.: S 4436
date:		Dim.: A - 4

ANODE TYPE 233-Z

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ZINC ANODE

net weight: 24,0 kg

Zinc alloy specifications acc. US MIL-Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
	Electrochemical capacity:	780 Ah/kg nominal
	Solution potential:	-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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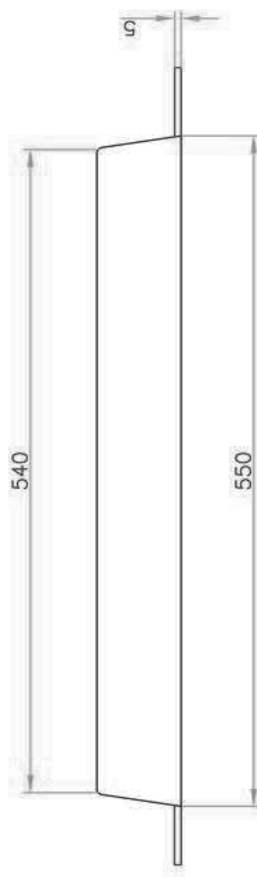
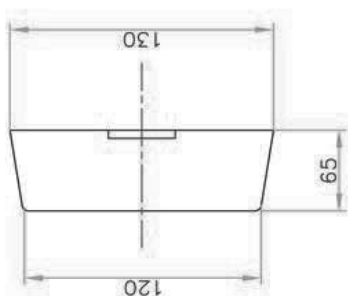
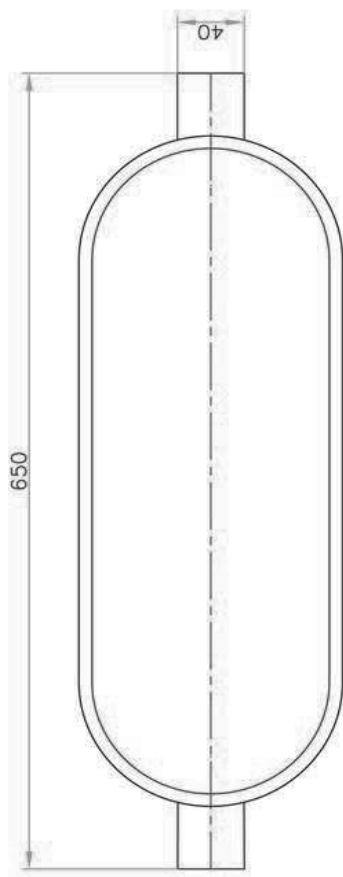
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated backside

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scale: 1 : 10	Art.:
drawn:	Dwg.:
date:	Dim.: A-4

ANODE TYPE 240-Z

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ALUMINIUM ANODE:
 nett weight 25 kg
 gross weight 26,5 kg

Zinc alloy specifications acc. US MIL-Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
	Electrochemical capacity:	780 Ah/kg nominal
	Solution potential:	-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
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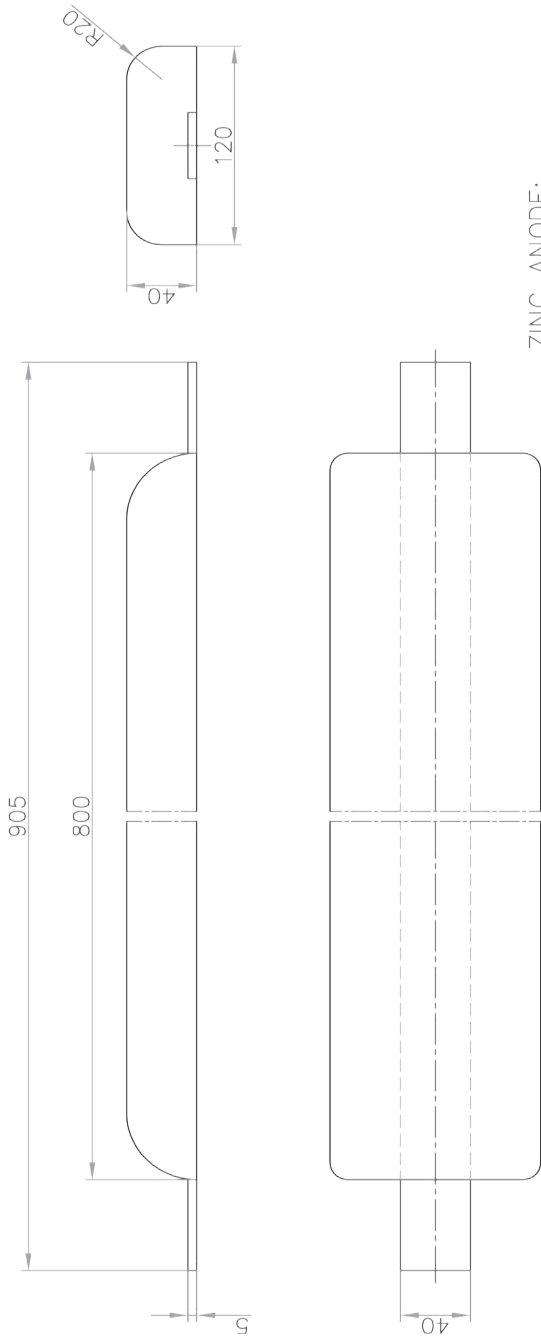
scale: 1 : 4 Art.:

drawn: F.J. te Beest Dwg.: S 10921

date: 10-3-2017 Dim.: A-4

ANODE TYPE 250-Z

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ZINC ANODE:

nett weight 26,0 kg
gross weight 26,7 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

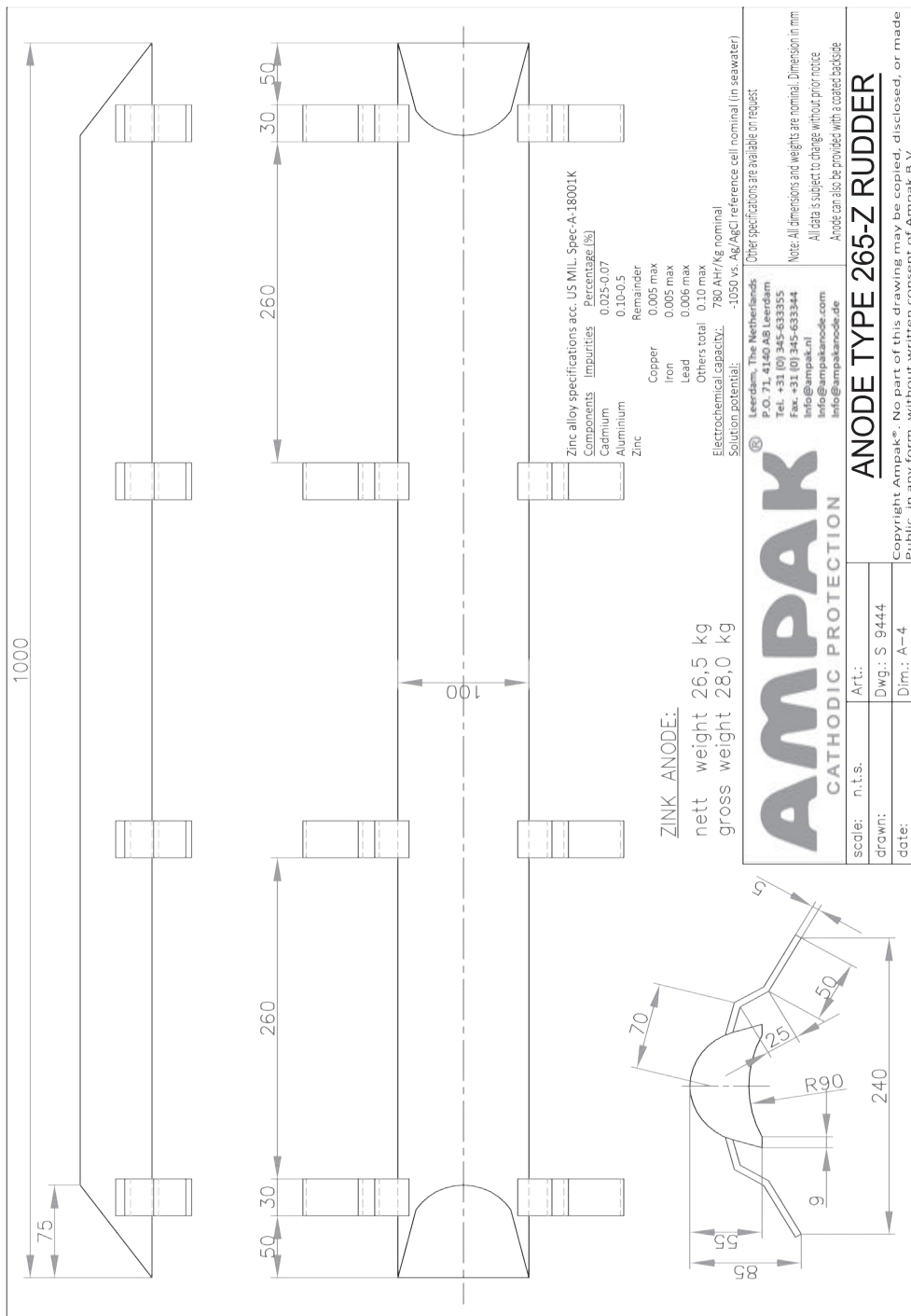
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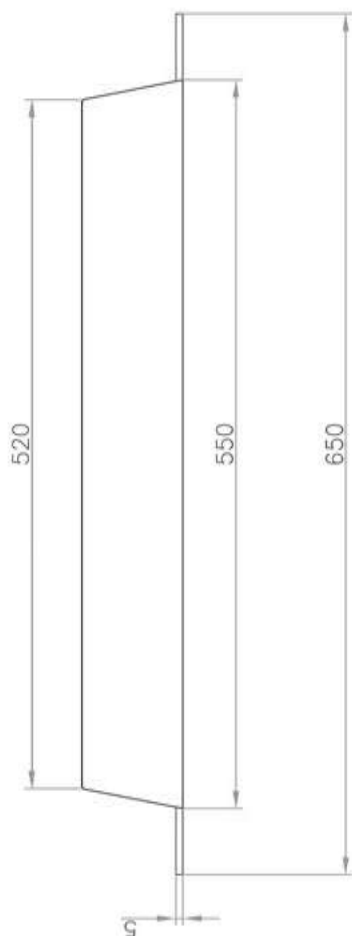
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:	922202000
drawn:		Dwg.:	S 4437
date:		Dim.:	A - 4

ANODE TYPE 260-Z

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ZINC ANODE:

nett weight 31,0 kg
gross weight 32,1 kg

Zinc alloy specifications acc. US MIL Spec A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ah/kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

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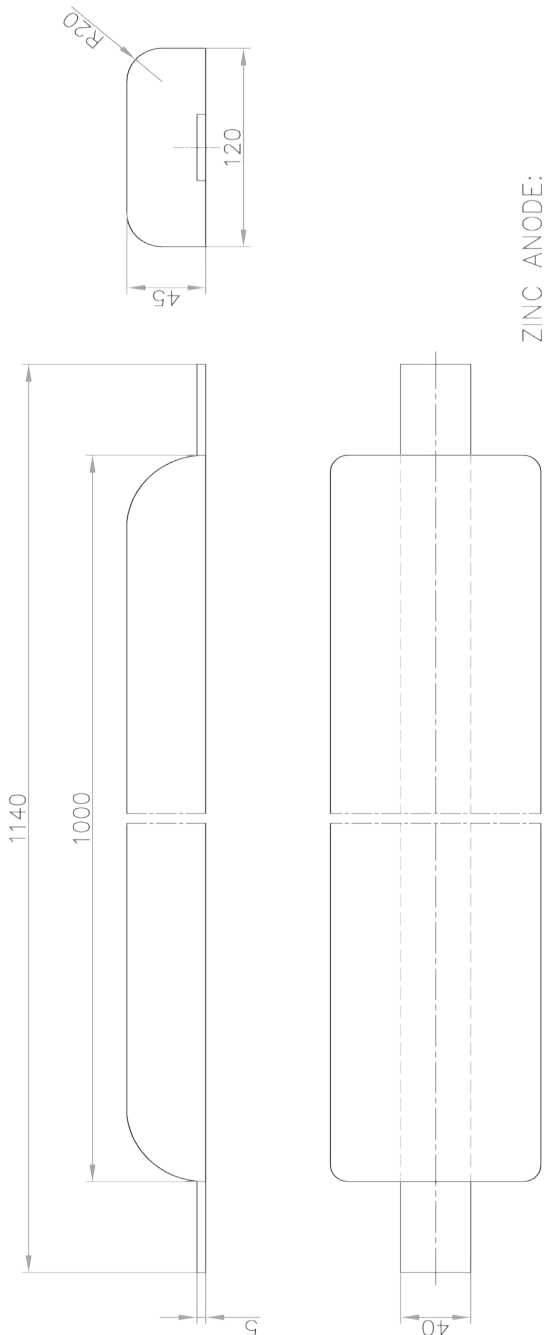
scale: n.i.s. Art.: ..

drawn: Dwg.: ..

date: Dim.: A-4

ANODE TYPE 310-Z

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ZINC ANODE:

nett weight 32,0 kg
gross weight 33,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity: 780 Ahr/Kg nominal		
Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)		

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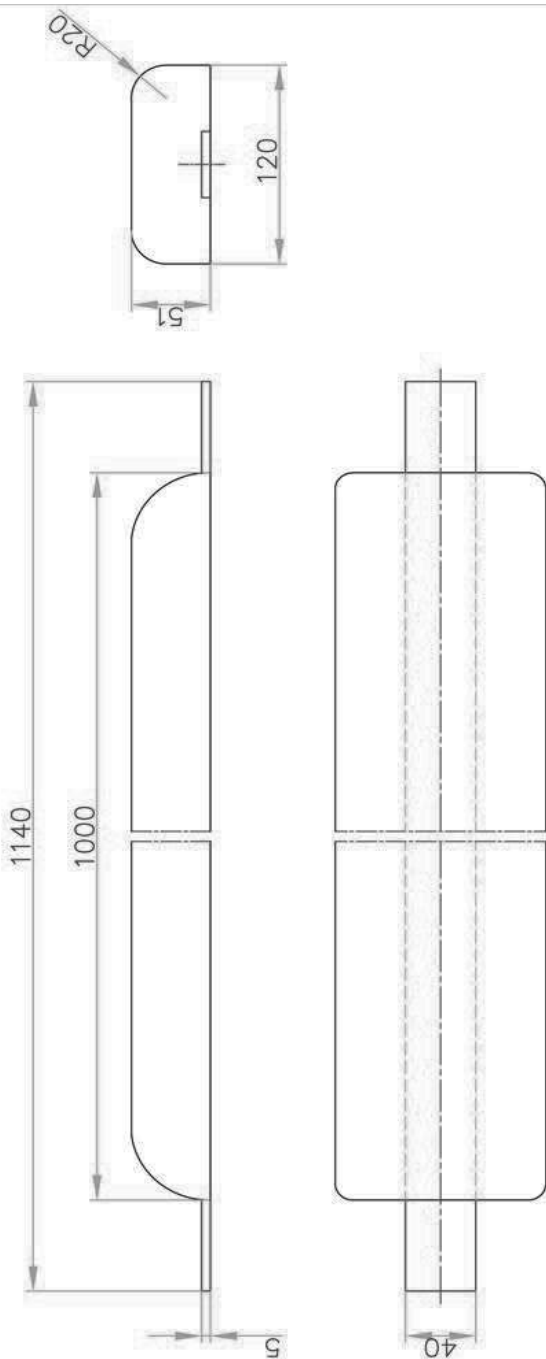
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drawn:	Dwg.: S 5620
date:	D'm.: A-4

ANODE TYPE 320-Z

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ZINC ANODE:

nett weight 40,0 kg

Zinc alloy specifications acc. US MIL. Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



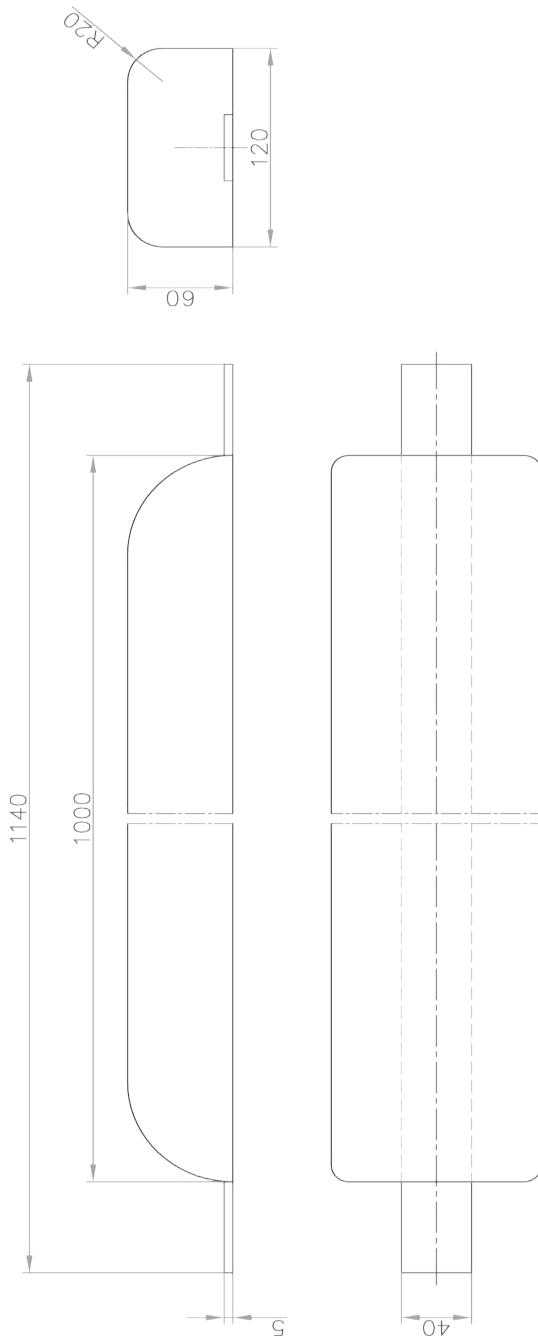
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Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

scale:	n.l.s.	Art.:
drawn:		Dwg.:
date:		Dim.: A-4

ANODE TYPE 400-Z

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ZINC ANODE:

nett weight 48,5 kg
gross weight 49,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

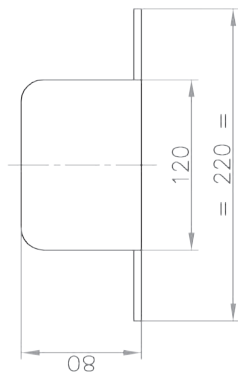
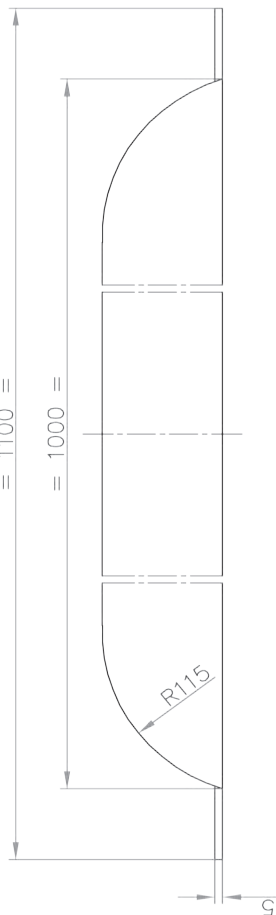
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drawn:		Dwg.:	S 5569A
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ANODE TYPE 485-Z

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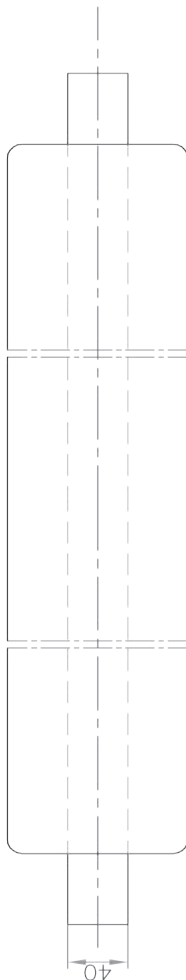
= 1100 =

= 1000 =



ZINC ANODE:

nett weight 62,0 kg
gross weight 63,3 kg



Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

ANODE TYPE 620-Z

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date:		Dim.:	A - 4

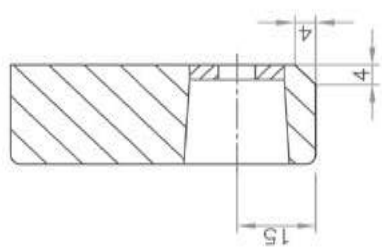
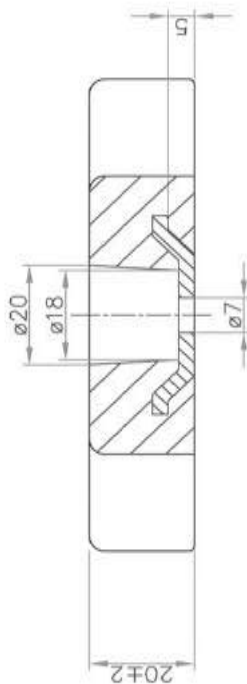
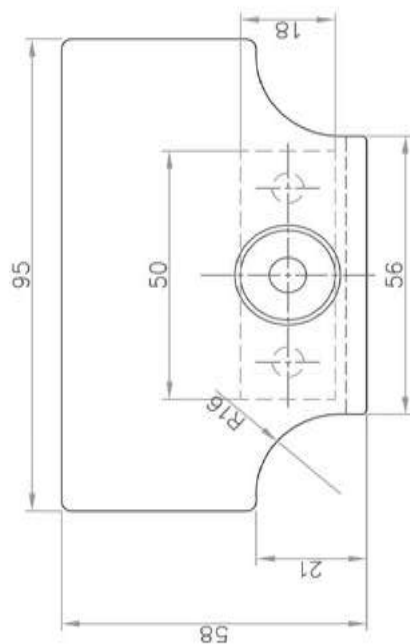
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ALUMINIUM BOLT-ON HULL ANODES

The next pages gives only a selection of types we have available.

In fact every anode with an insert could be a bolt-on anode, they can be made with regular holes or slotted holes.

The length of the inserts can vary on your request, as long as they are longer than the casted anode body.



ALUMINIUM ANODE:
nominal weight 0,25 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others each		0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1650 mV vs. Ag/AgCl reference cell nominal (in seawater)

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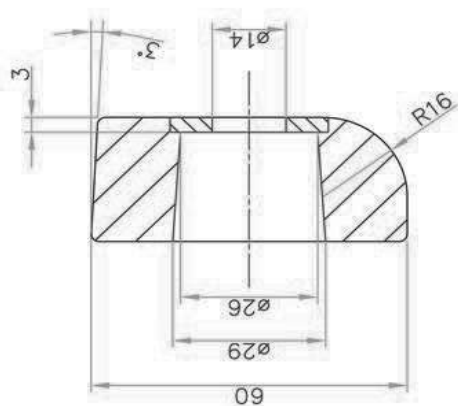
Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated backside.

ANODE TYPE SP-1 AL

scale:	n.l.s.	Art.:	
drawn:		Dwg.:	
date:		Dim.:	A-4

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ALUMINIUM ANODE:
nominal weight 0,3 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0,10-0,15
Zinc		2,0-5,0
Titanium		0,01-0,05
Indium		0,01-0,05
Aluminium		Rest (under 99,85% Purity)
Copper		0,02 max
Iron		0,10 max
Others each		0,02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.i.s.

Art.:

drawn:

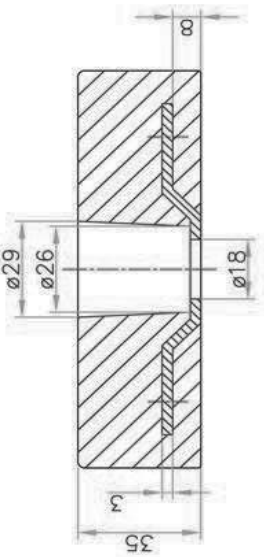
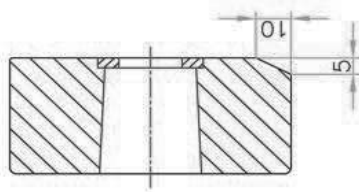
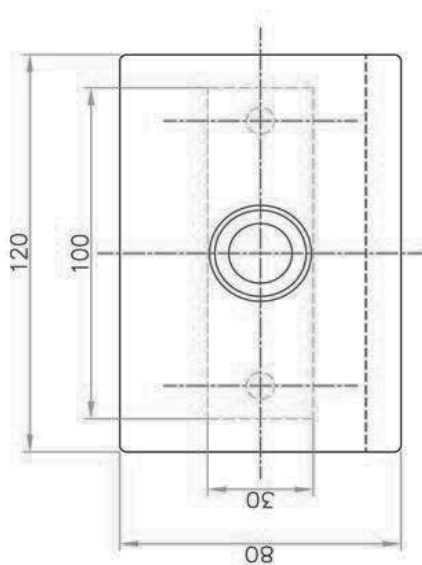
Dwg.:

date:

Dim.: A-4

ANODE TYPE 3-AL

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ALUMINIUM ANODE:
nominal weight 0,7 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.0-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)



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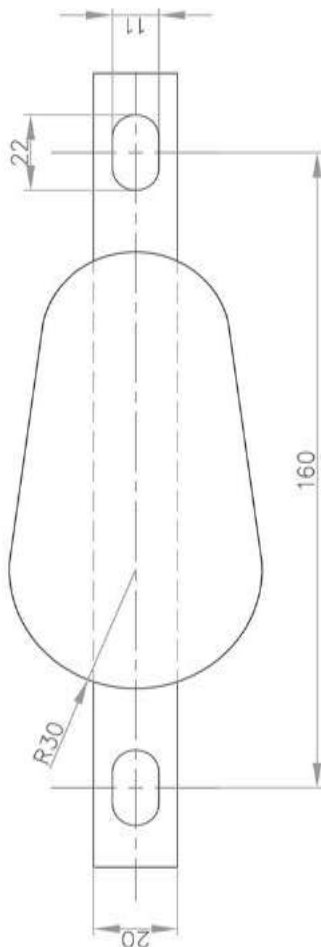
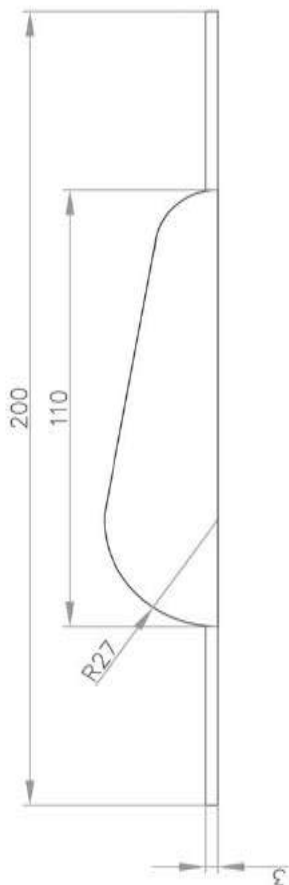
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:	
drawn:		Dwg.:	
date:		Dim.:	A-4

ANODE TYPE 7-AL

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ALUMINIUM ANODE

nominal weight 0,30 kg

Aluminium alloy specification

Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

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Anode can also be provided with a coated backside

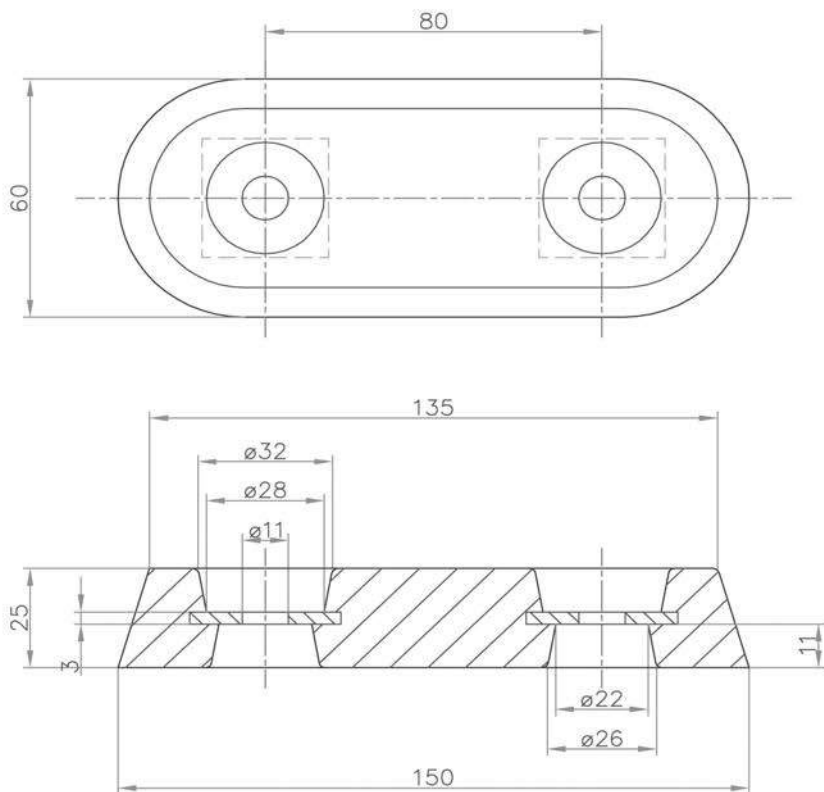
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drawn: Dwg.: S 8013

date: Dim.: A-4

ANODE TYPE EA-0.3

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Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
	Copper	0.02 max
	Iron	0.10-0.15
	Others each	0.02 max

Electrochemical capacity:	2700 Ahr/Kg nominal
Solution potential:	-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

ALUMINIUM ANODE:

nominal anode weight 0,45 kg

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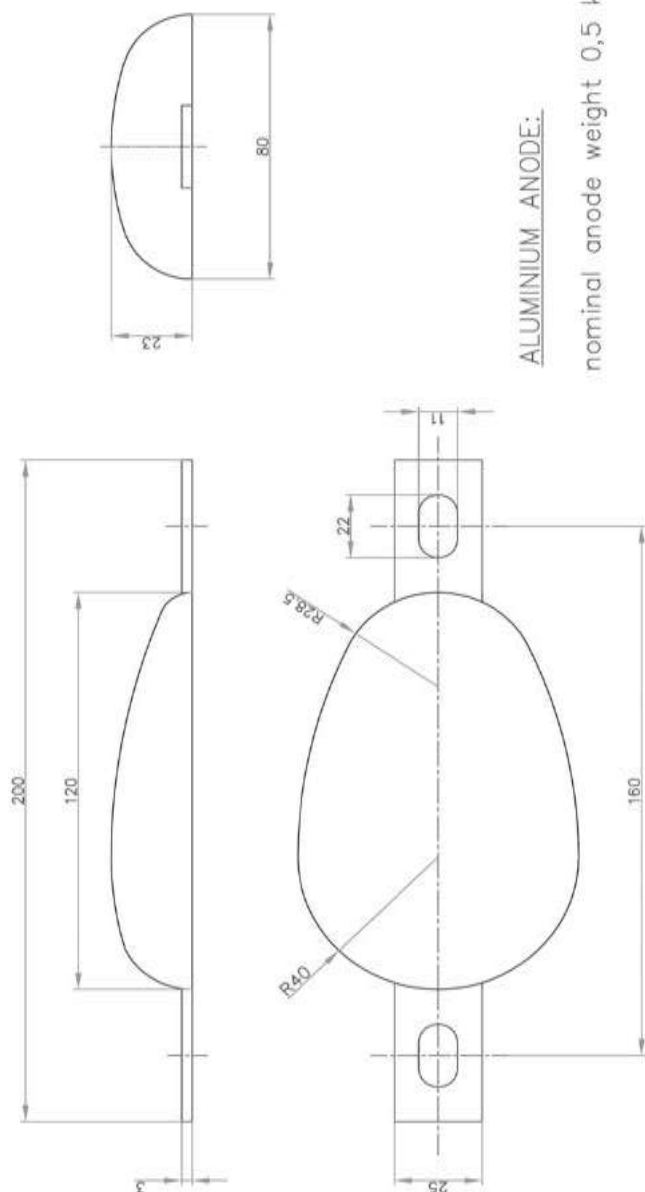
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922556000
drawn:	Dwg.: S 7762
date:	Dim.: A-4

ANODE TYPE EA-0.45-B

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ALUMINIUM ANODE:

nominal anode weight 0,5 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max
Electrochemical capacity:	2700 Ah/Kg nominal
Solution potential:	-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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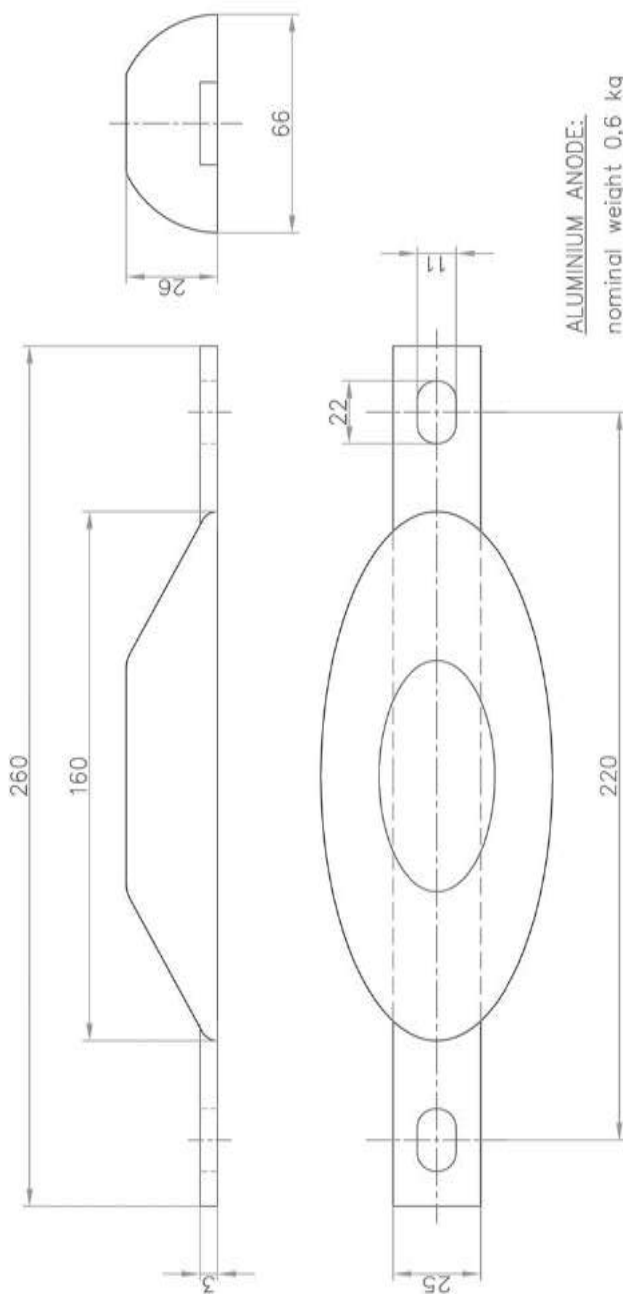
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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drawn: S 8018	
date: A-4	

ANODE TYPE EA-0.5

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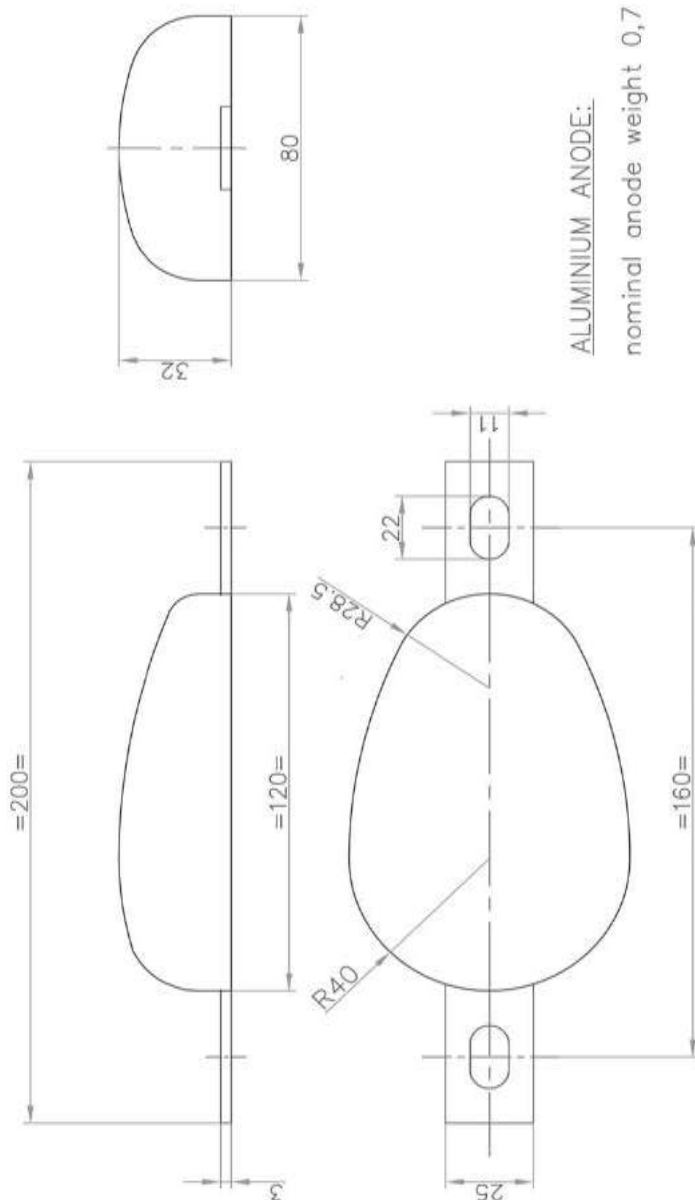
ALUMINIUM ANODE:

nominal weight 0,6 kg

Aluminium alloy specification	
Component	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	99.99-100.00 (99.95% Purity)
Copper	0.02 max
Others each	0.10-0.15
Electrochemical capacity:	2700 Ah/Kg nominal
Solution potential:	-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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drawn:		Dwg.: S 8072	
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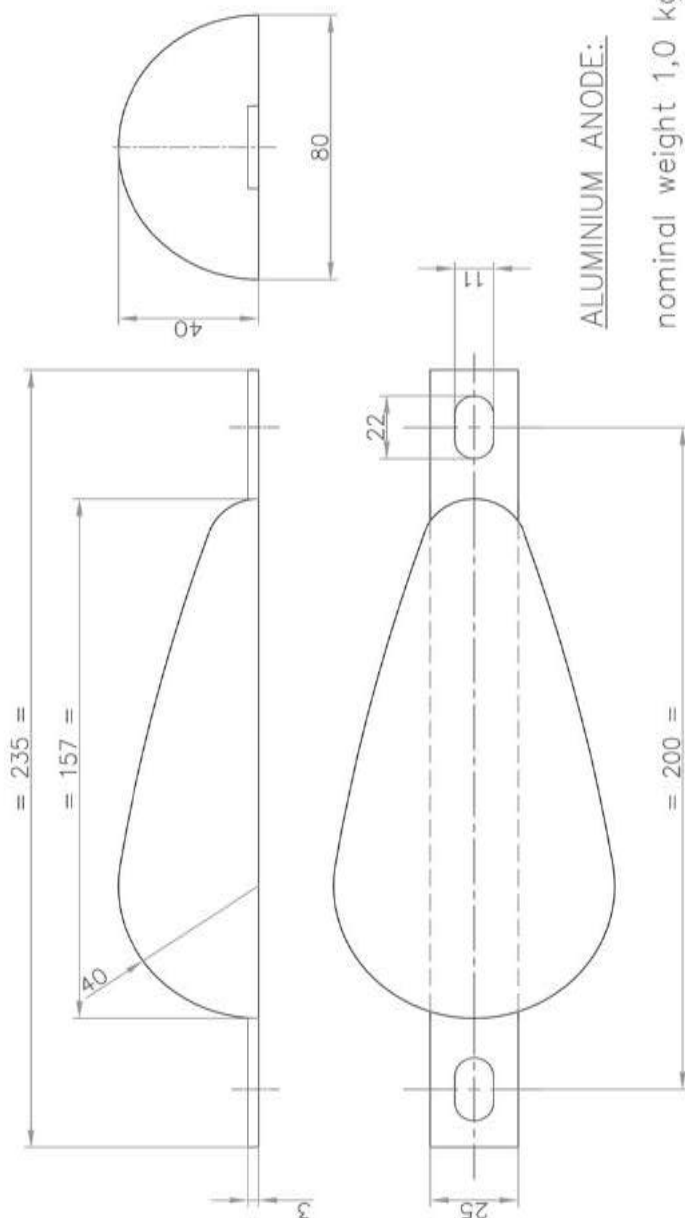


ALUMINIUM ANODE:

nominal anode weight 0,7 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Rest-balance (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max
Electrochemical capacity: 2700 Ah/Kg nominal	
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)	

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drawn:		Dwg.: S 80/19	
date:		Dim.: A-4	



ALUMINIUM ANODE:

nominal weight 1,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution material: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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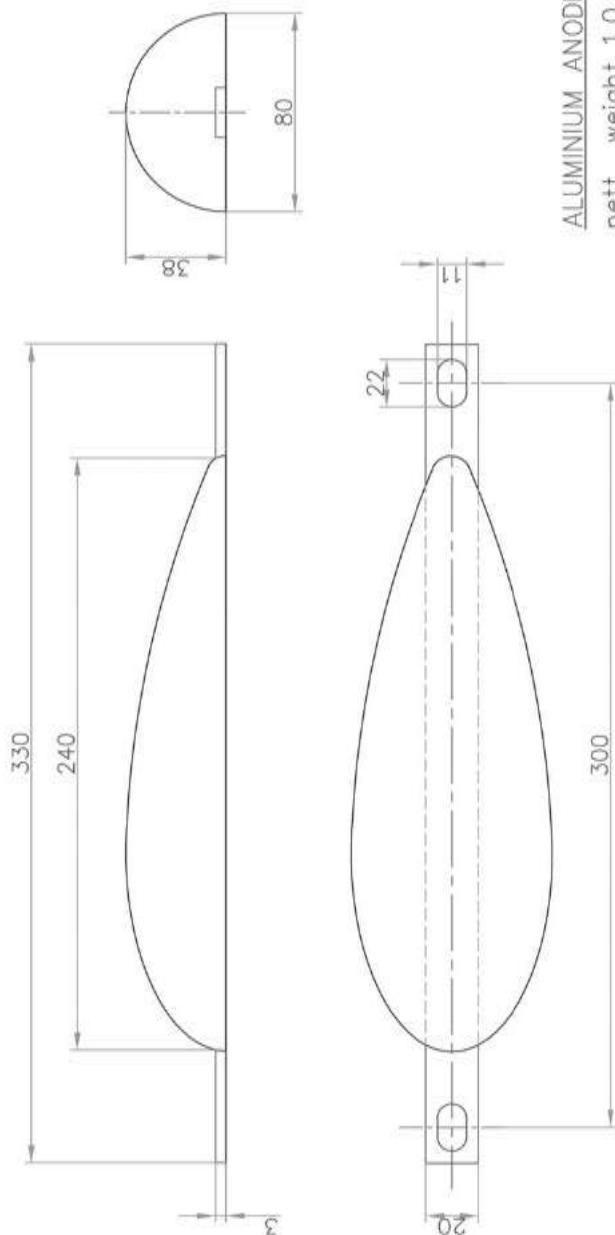
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated backside.

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scale:	n.Ls.	Art.: 922563000
drawn:		Dwg.: S 7765
date:		Dim.: A-4

ANODE TYPE EA-1

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ALUMINIUM ANODE:

nett weight 1,0 kg

gross weight 1,2 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.83% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity:
Solution potential:
2700 Ah/Kg nominal
-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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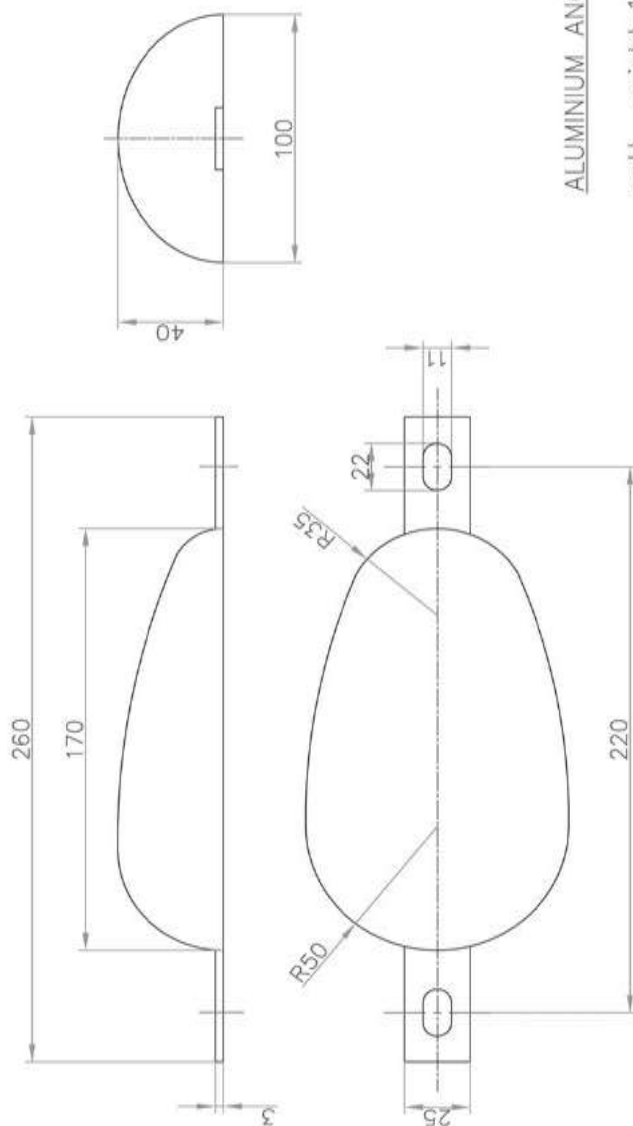
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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scale:	n.L.s.	Art.:
drawn:		Dwg.: S 8052
date:		Dim.: A-4

ANODE TYPE EA-1.2

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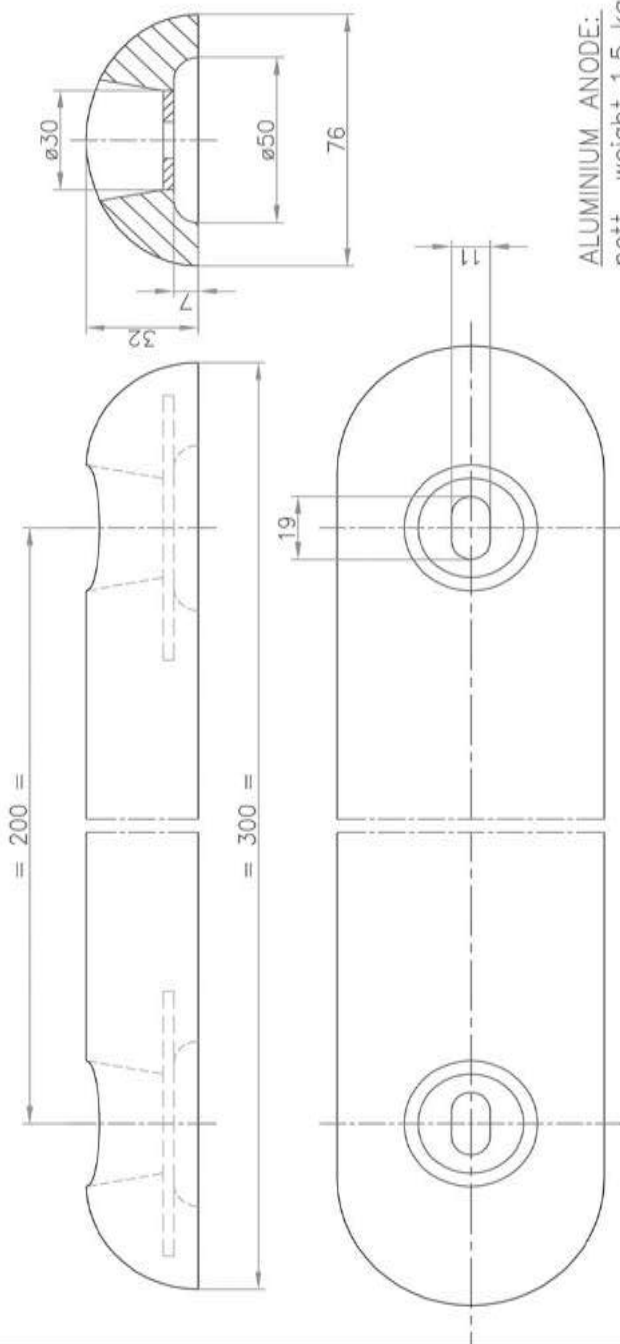


ALUMINIUM ANODE:

nett weight 1,1 kg
gross weight 1,3 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max
Electrochemical capacity: 2700 Ah/Kg nominal	
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)	

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drawn:		Dwg.: S 8061	
date:		Dim.: A-4	



ALUMINIUM ANODE:
 nett weight 1,5 kg
 gross weight 1,7 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity:
 2700 Ah/Kg nominal
 Solution potential:
 -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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 info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backbone

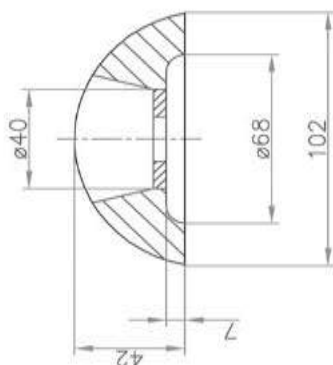
scale: n.l.s. Art.: 92250000

drawn: Dwg.: S 7595

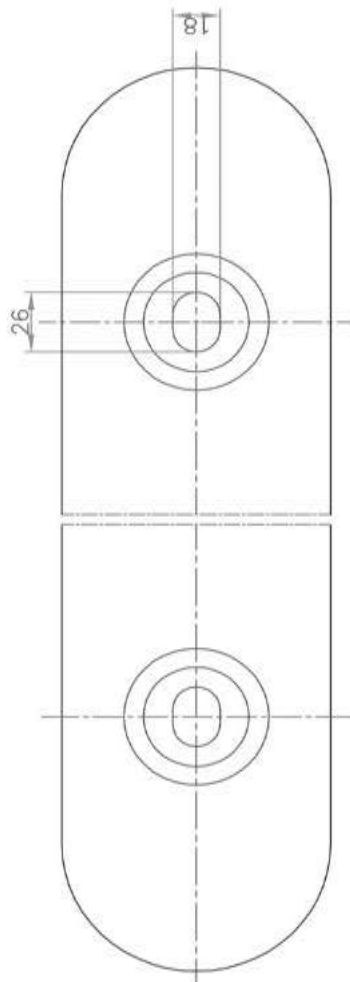
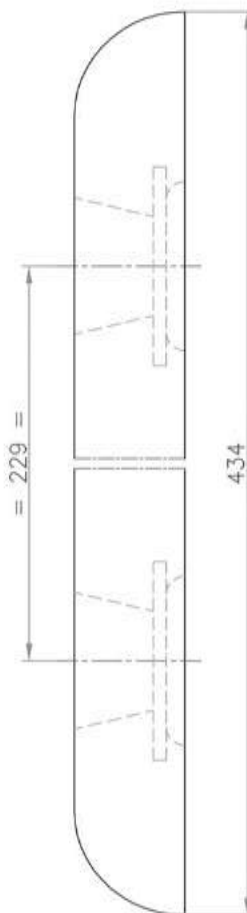
date: Dim.: A-4

ANODE TYPE EA-1.7-B

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ALUMINIUM ANODE:
 nett weight 2,6 kg
 gross weight 3,1 kg



Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others	0.02 max

Electrochemical capacity:
 2700 Ahr/Kg nominal
 Solution potential:
 -1050 mV vs. Ag/AgCl reference cell (in seawater)

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scale: n.l.s. Art.: 922557000

drawn: Dwg.: S 7749

date: Dim.: A-4

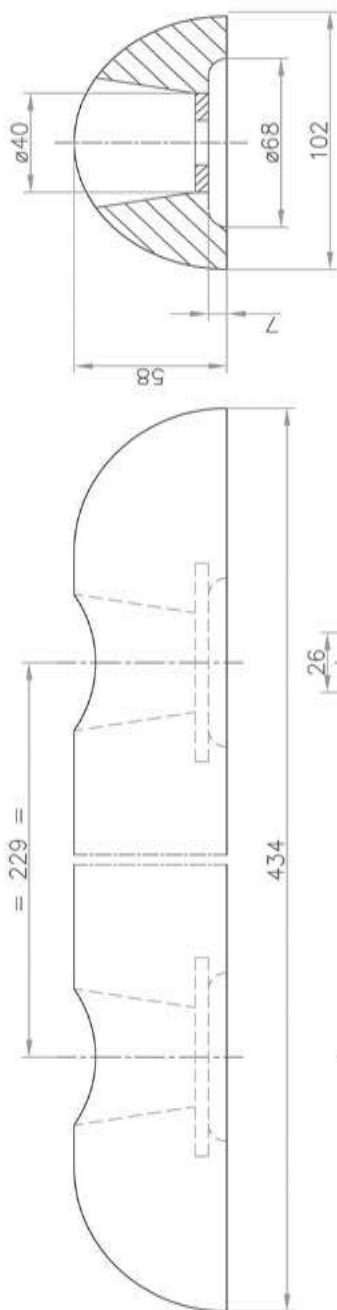
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 Fax. +31 (0) 345-63344
 Info@ampapak.nl
 Info@ampakano.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

ANODE TYPE EA-3.1-B

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ALUMINIUM ANODE:
 nett weight 4,5 kg
 gross weight 5,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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 Info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

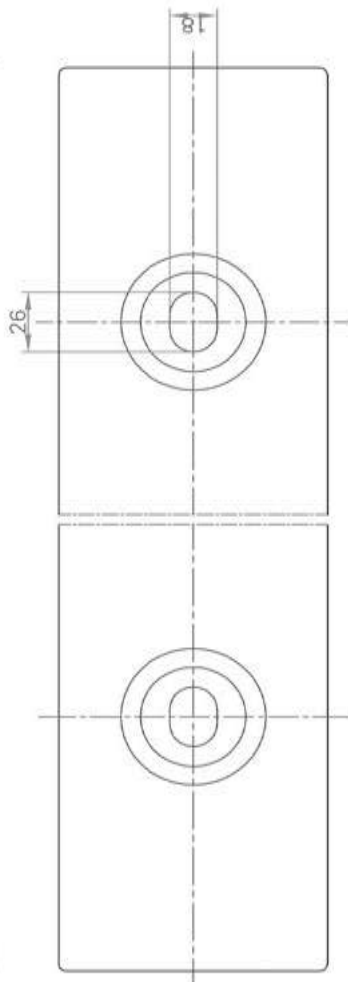
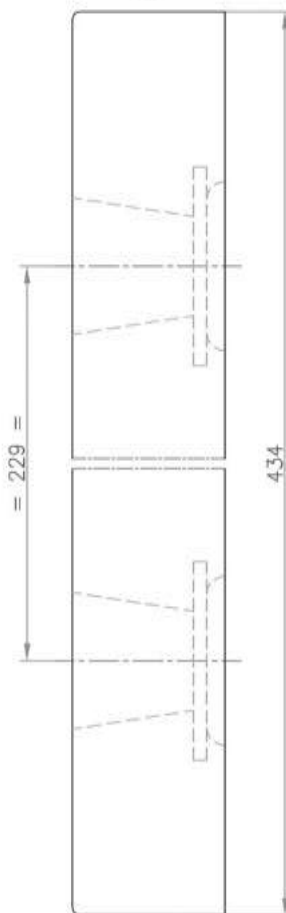
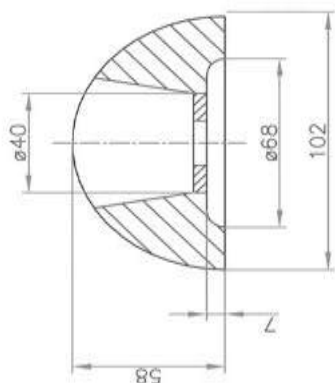


CATHODIC PROTECTION

scale:	n.L.s.	Art.: 922549000
drawn:		Dwg.: S 7597
date:		Dim.: A-4

ANODE TYPE EA-5-B

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ALUMINIUM ANODE:
 nett weight 5,5 kg
 gross weight 6,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity:
 Solution potential:
 2700 Ahr/Kg nominal
 -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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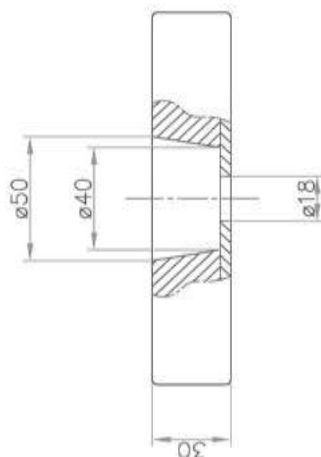
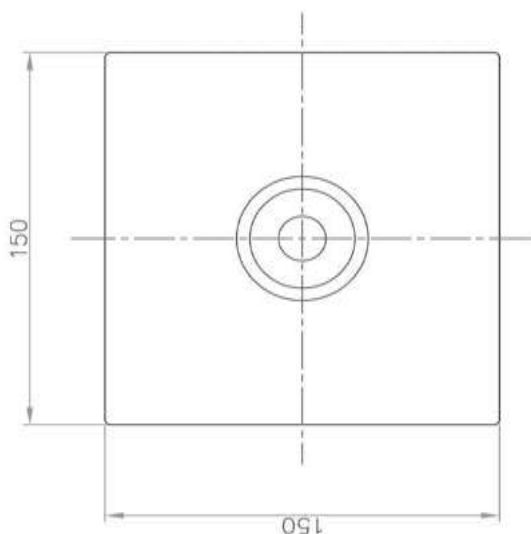
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backbone

ANODE TYPE EA-6-B

scale:	n.t.s.	Art.: 922553000
drawn:	Dwg.: S 7745	
date:	Dim.: A-4	

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ALUMINIUM ANODE:

nett weight: 1,7 kg
gross weight: 1,9 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.5-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.03
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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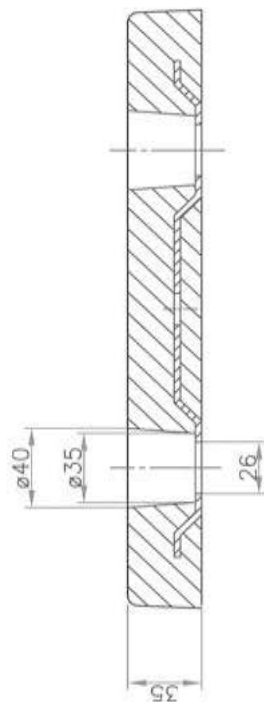
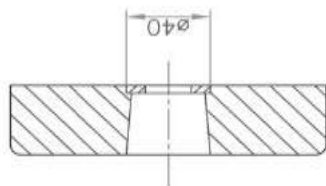
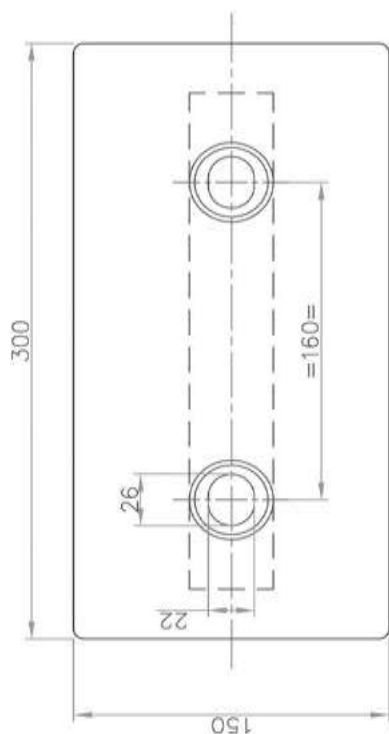
Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.l.s.
drawn:	Art.: 922526000
date:	Dwg.: S 8220
	Dim.: A-4

ANODE TYPE 17-AL-B

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ALUMINIUM ANODE

nett weight 3,9 kg
gross weight 4,1 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

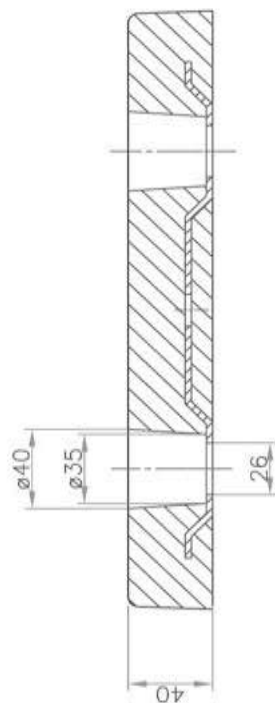
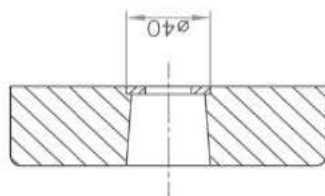
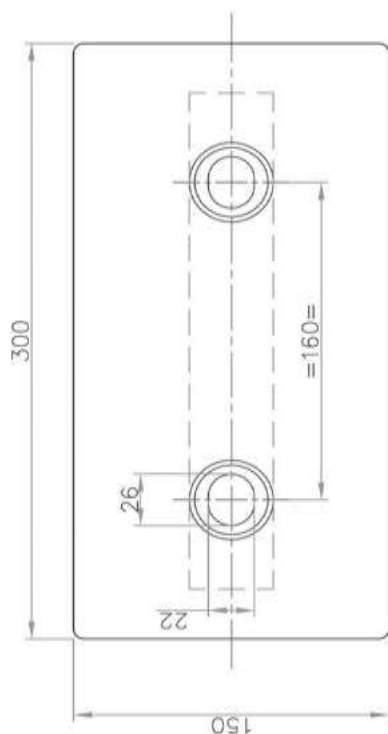
All data is subject to change without prior notice

Anode can also be provided with a coated backside

ANODE TYPE 39-AL-B

scale:	n.t.s.	Art.: 922496000
drawn:		Dwg.: S 5632
date:		Dim.: A-4

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ALUMINIUM ANODE

nett weight 4,8 kg
 gross weight 5,0 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0,10-0,15
Zinc	2,0-5,0
Titanium	0,01-0,05
Indium	0,01-0,05
Aluminium	Remainder (99,85% Purity)
Copper	0,02 max
Iron	0,10-0,15
Others	0,02 max
Electrochemical capacity:	
Solution potential:	
2700 A.Hr/Kg nominal	
-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)	

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Other specifications are available on request.
 Note: All dimensions and weights are nominal. Dimension in mm.
 All data is subject to change without prior notice.
 Anode can also be provided with a coated backside.

Art.: 923599000

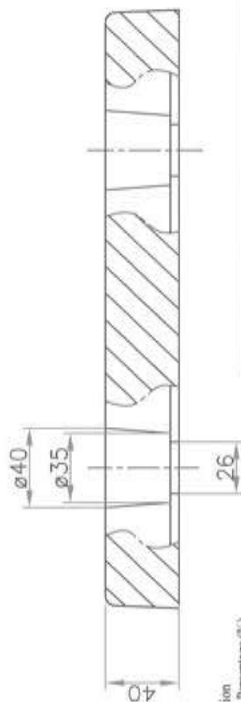
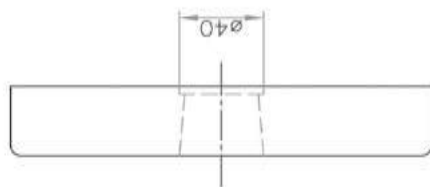
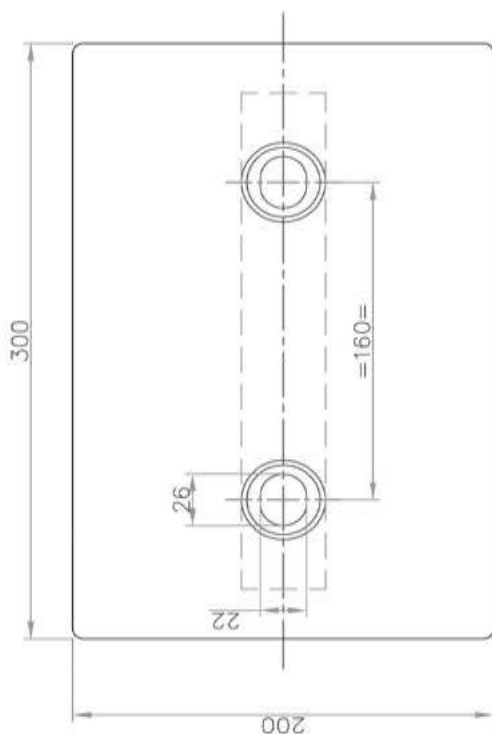
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Dim.: A-4

scale: n.t.s.
 drawn:
 date:

ANODE TYPE 48-AL-B

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ALUMINIUM ANODE

nett weight 6,5 kg
gross weight 6,7 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Rest (minimum 99.85% Purity)
Copper	0.01-0.15
Others	0.02 max

Electrochemical capacity:	2700 Ah/Kg nominal
Solution resistance:	-1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

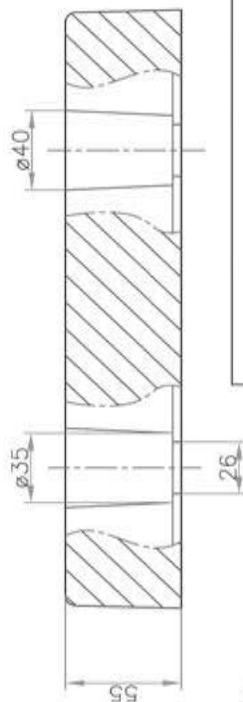
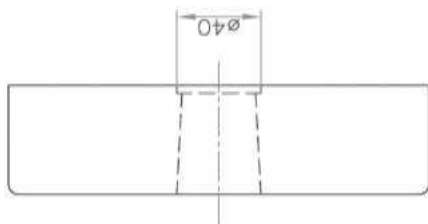
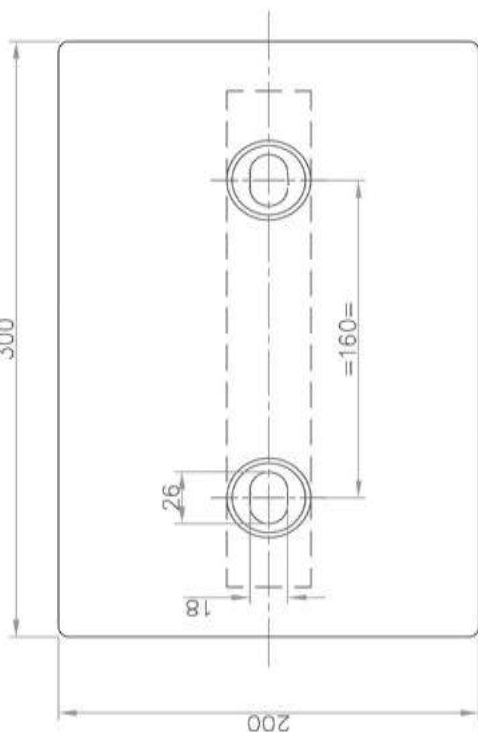
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated backside.

ANODE TYPE 65-AL-B

scale:	n.t.s.
Art.:	922502000
Dwg.:	S 5631
Dim.:	A-4

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300



ALUMINIUM ANODE

nett weight 8,5 kg
gross weight 8,7 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others each		0.02 max

2700 AlFe-Kg nominal

-1050 mV vs. Al/AgCl reference cell nominal (in seawater)

Electrochemical capacity:

Solution resistance:

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

scale: n.t.s. Art.: 922512000

drawn:

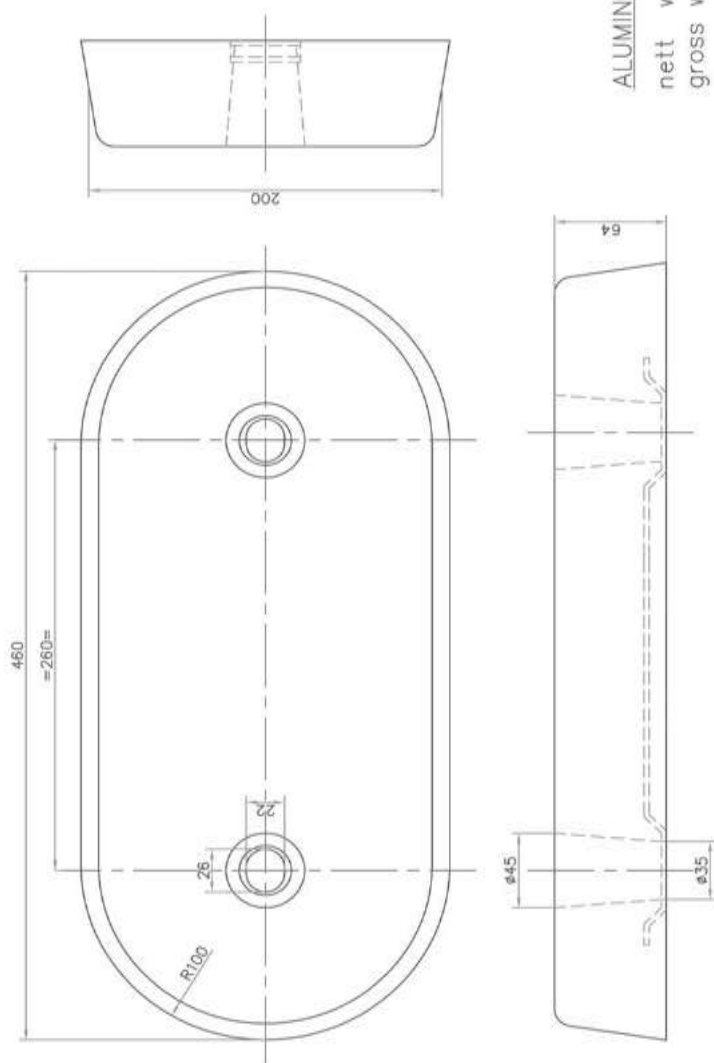
Dwg.: S 7709

date:

Dim.: A-4

ANODE TYPE 85-AL-B

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ALUMINIUM ANODE:

nett weight 12,0 Kg
gross weight 12,3 Kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Balance (99.85% Purity)
Copper	0.02
Others	0.10-0.15
	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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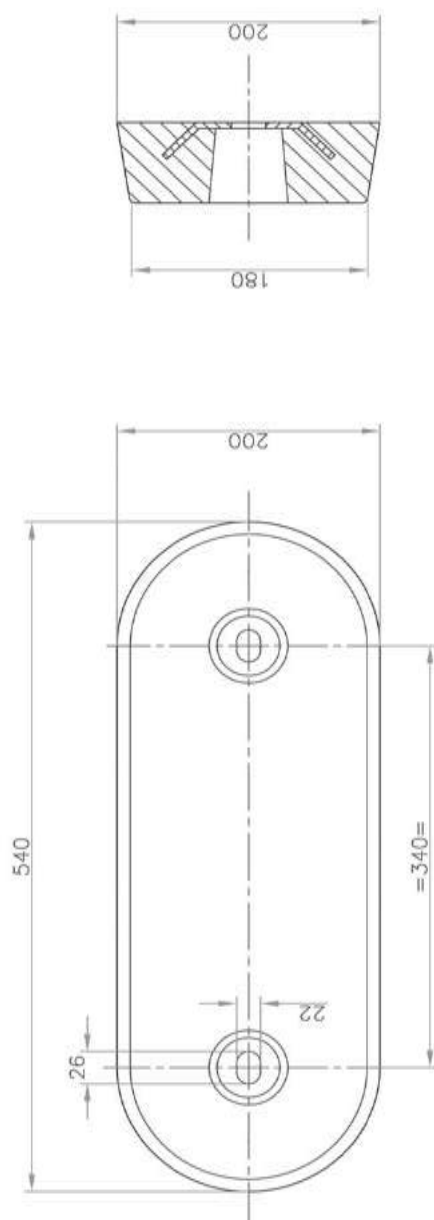
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.Ls.	Art.: 923869000
drawn:		Dwg.: S 10088
date:		Dim.: A-4

ANODE TYPE 120-AL-B

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ALUMINIUM ANODE:
 nett weight 15,4 kg
 gross weight 16,0 kg

Aluminum alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminum	Rest (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice.
 Anode can also be provided with a coated backbone.

ANODE TYPE 154-AL-B

scale: 1 : 4 Art.: 922531000

drawn: Dwg.: S B481

date: Dim.: A-4

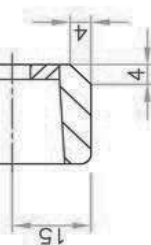
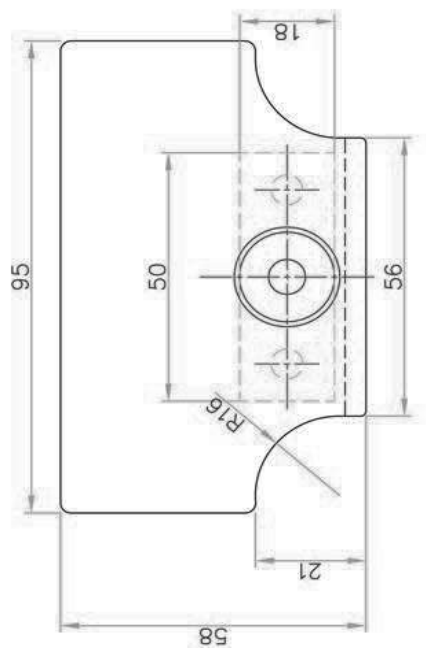
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ZINC BOLT-ON HULL ANODES

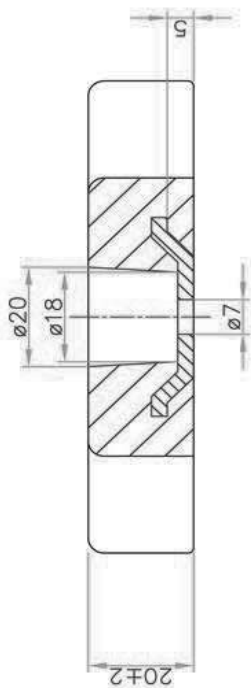
The next pages gives only a selection of types we have available.

In fact every anode with an insert could be a bolt-on anode, they can be made with regular holes or slotted holes.

The length of the inserts can vary on your request, as long as they are longer than the casted anode body.



ZINC ANODE:
nominal weight 0,6 kg



Zinc alloy specifications acc. US MIL. Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper:	0.005 max
	Iron:	0.005 max
	Lead:	0.006 max
	Others total:	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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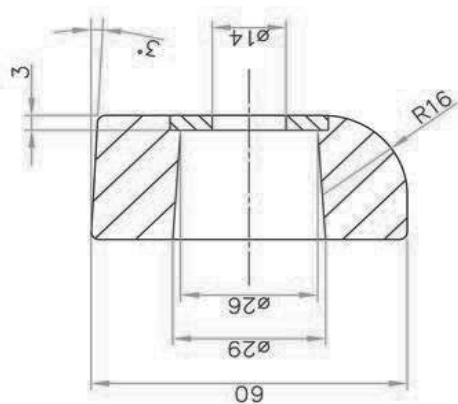
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 808038
drawn:		Dwg.: S 5628
date:		Dim.: A-4

ANODE TYPE SP-1 ZN

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ZINC ANODE:
nominal weight 0,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ah/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

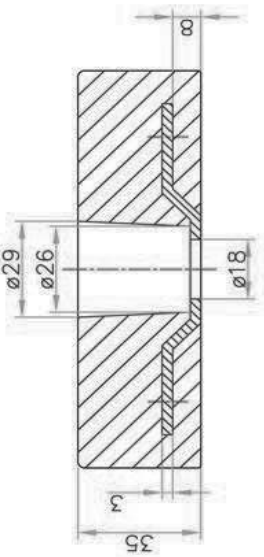
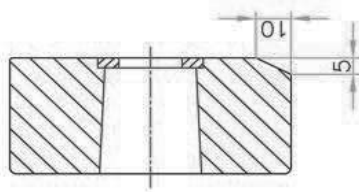
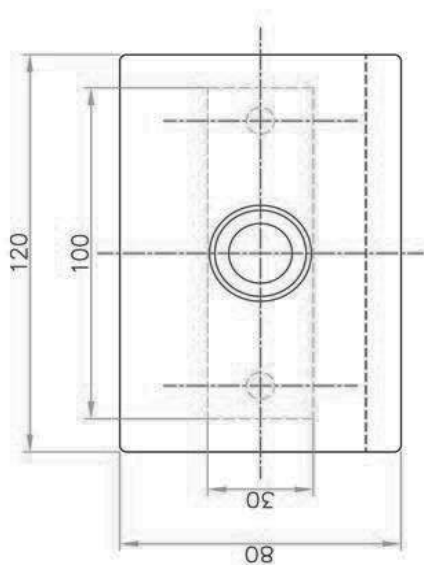
ANODE TYPE 8-Z

scale: n.i.s. Art.: 922174000

drawn: Dwg.: S 5626

date: Dim.: A-4

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ZINC ANODE:
nominal weight 1,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ah/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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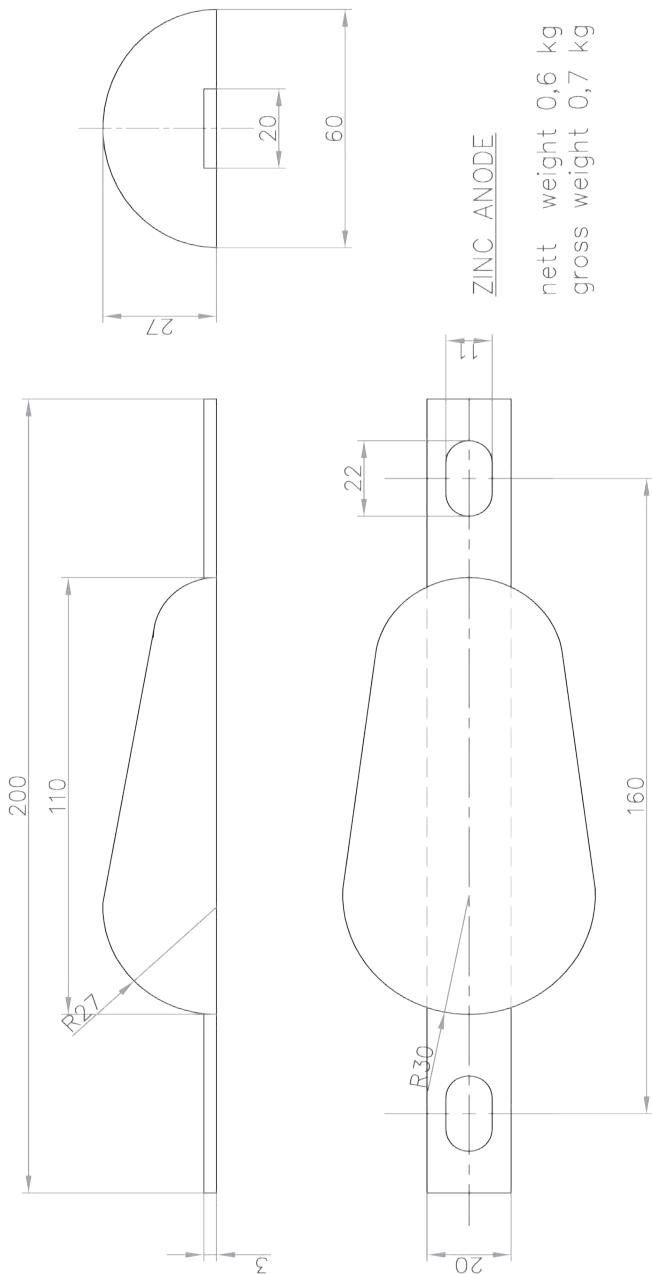
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922183000
drawn:		Dwg.: S 5625
date:		Dim.: A-4

ANODE TYPE 18-Z

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nett weight 0,6 kg
gross weight 0,7 kg

Zinc alloy specifications acc. US MIL Spec-A-18001-K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)



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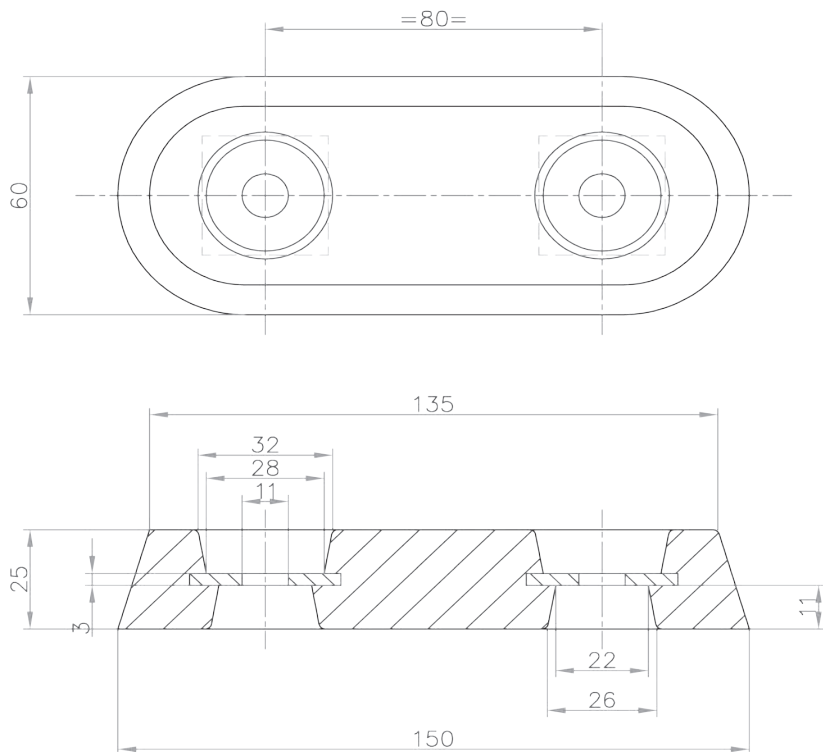
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.l.s.	Art.: 922347000
drawn:		Dwg.: S 8014
date:		Dim.: A-4

ANODE TYPE EZ-0.7

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Zinc alloy specifications acc. US MIL. Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

ZINC ANODE:

nominal anode weight 1,0 kg

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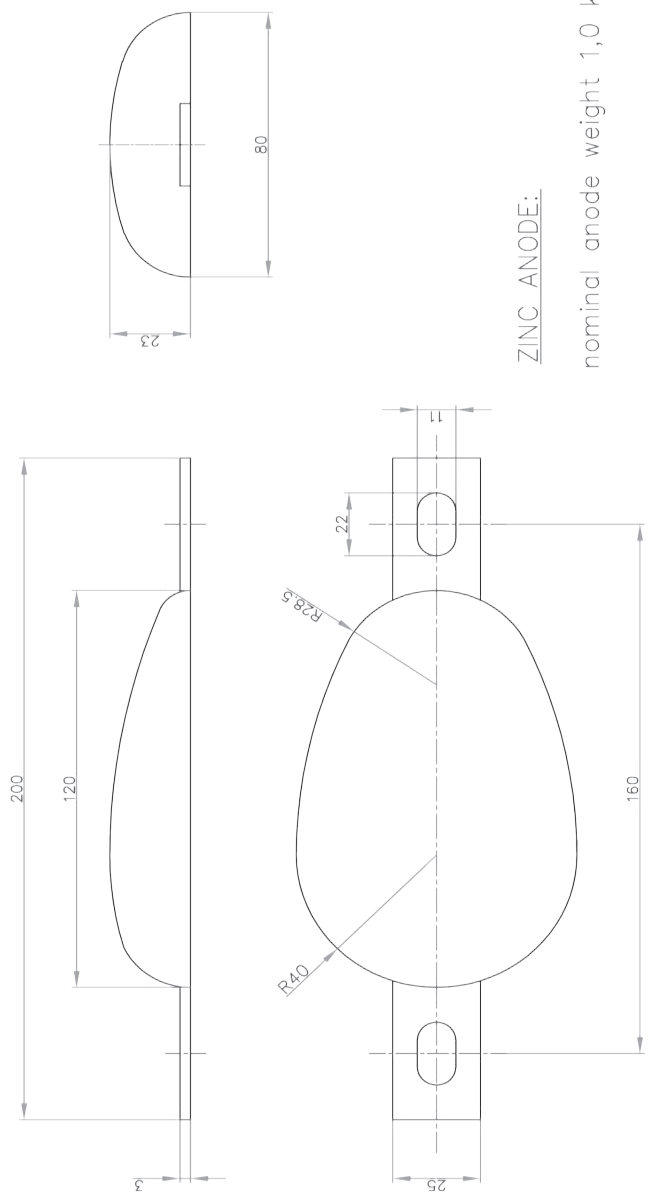
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.	Art.: 922373000
drawn:	Dwg.: S 7763
date:	Dim.: A-4

ANODE TYPE EZ-1-B

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ZINC ANODE:

nominal anode weight 1,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001-K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

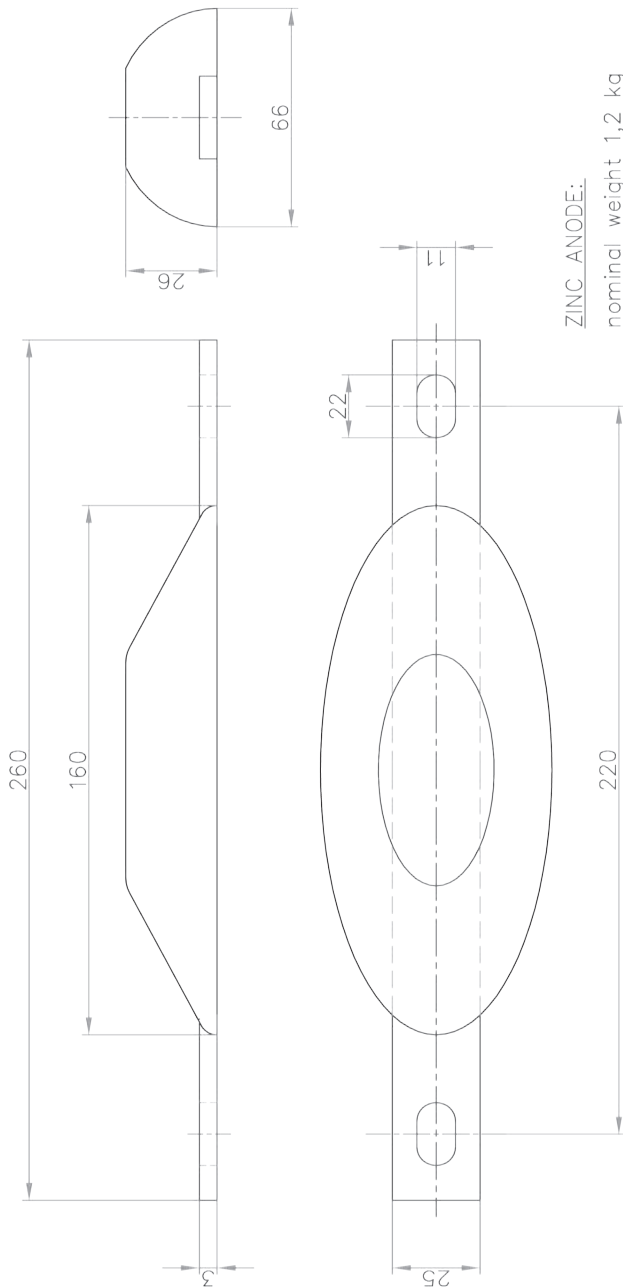
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Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.l.s.	Art.: 922371000
drawn:		Dwg.: S 8038
date:		Dim.: A - 4

ANODE TYPE EZ-1
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Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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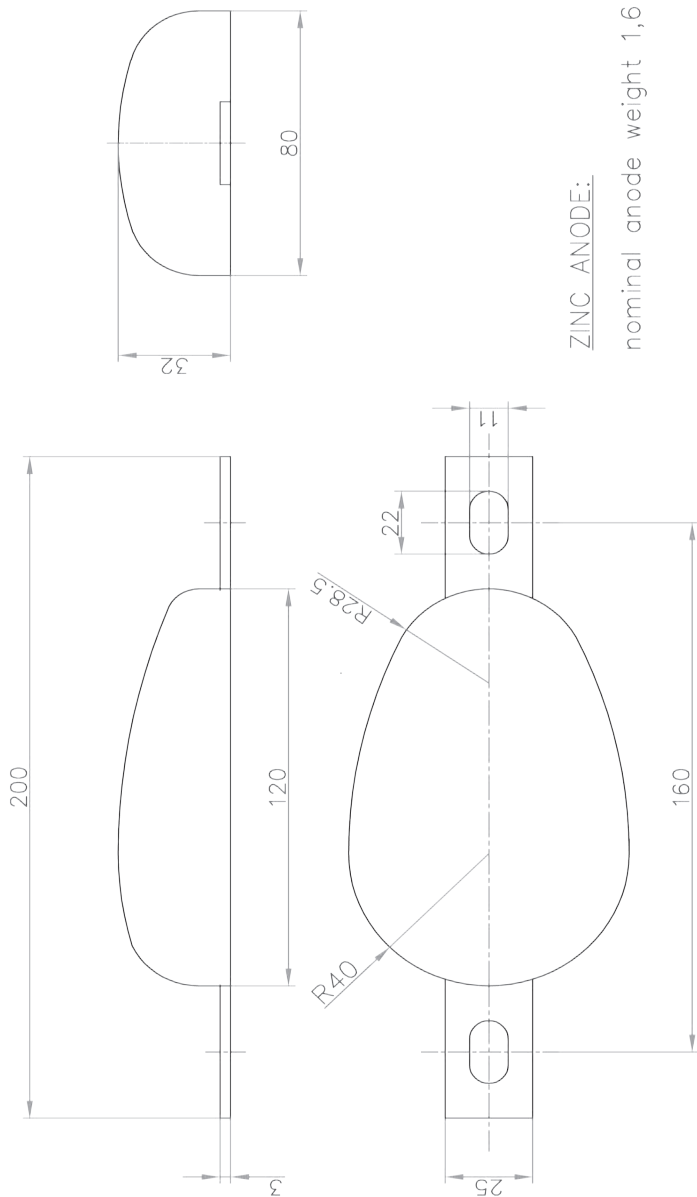
Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922380000	ANODE TYPE EZ-1.2
drawn:		Dwg.: S 8071	
date:		Dim.: A - 4	

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Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

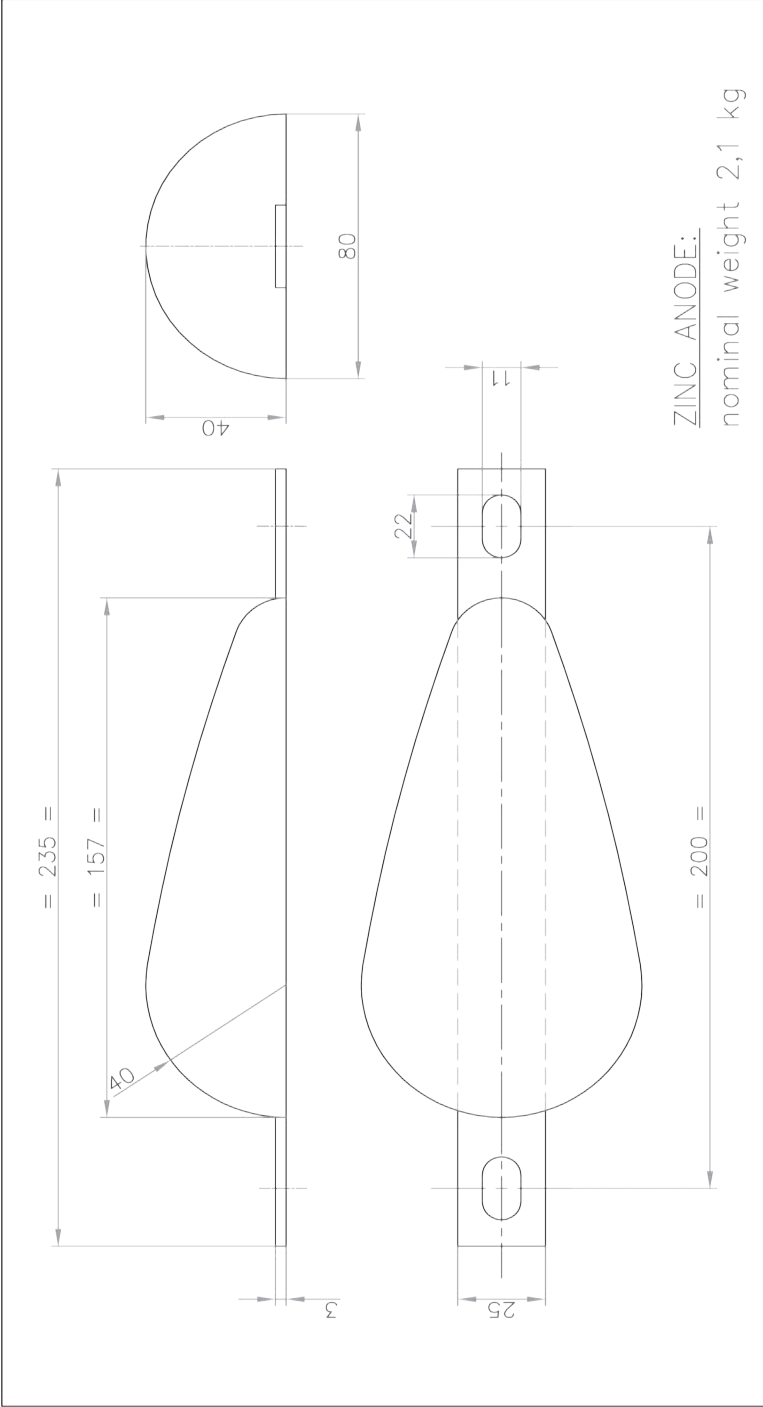
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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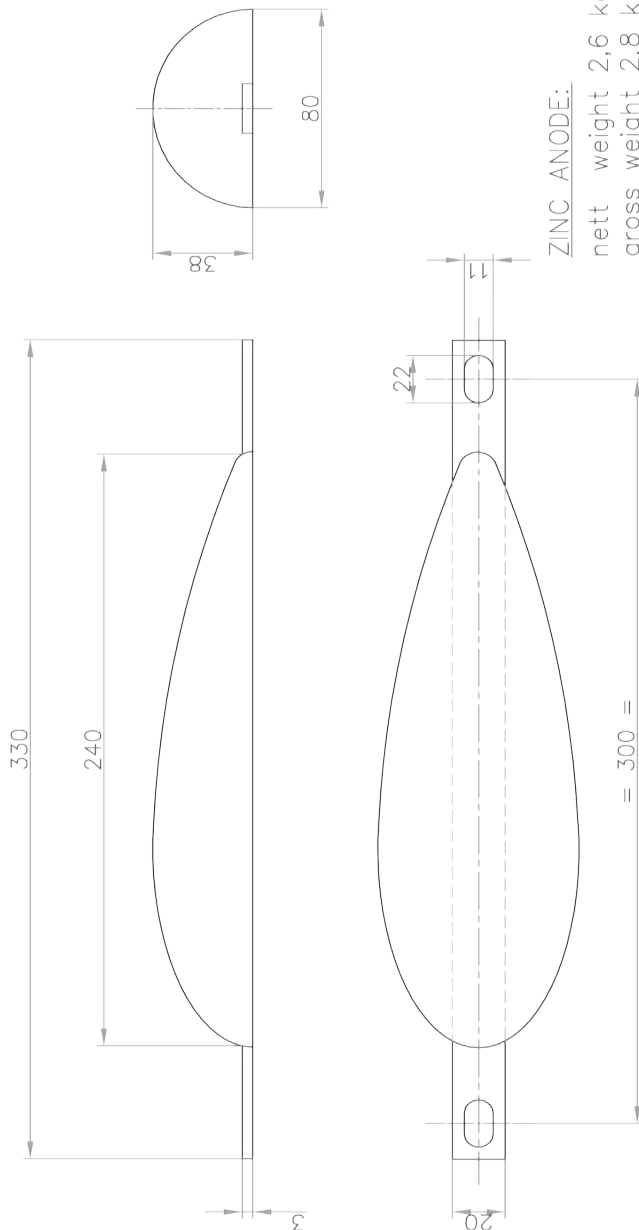
scale:	n.l.s.	Art.:
drawn:		Dwg.: S 8037
date:		Dim.: A-4

ANODE TYPE EZ-1.6

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Zinc alloy specifications acc. US MIL Spec-A-18001K			AMPAK® CATHODIC PROTECTION		Leerdam, The Netherlands P.O. 711 4140 AB Leerdam Tel. +31 (0) 345-633355 Fax. +31 (0) 345-633344 Info@ampak.nl Info@ampakanode.com Info@ampakanode.de		Other specifications are available on request	
Components	Impurities	Percentage (%)	scale:	n.t.s.	Art.:	922372000	ANODE TYPE EZ-2.1 Copyright Ampak®. No part of this drawing may be copied, disclosed, or made Public, in any form, without written consent of Ampak B.V.	
Cadmium		0.025-0.07	drawn:		Dwg.:	S 7764		
Aluminium		0.10-0.5	date:		Dim.:	A-4		
Zinc	Remainder							
	Copper	0.005 max						
	Iron	0.005 max						
	Lead	0.006 max						
	Others total	0.10 max						
Electrochemical capacity:		780 Ahr/Kg nominal						
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)						



ZINC ANODE:

nett weight 2,6 kg
gross weight 2,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



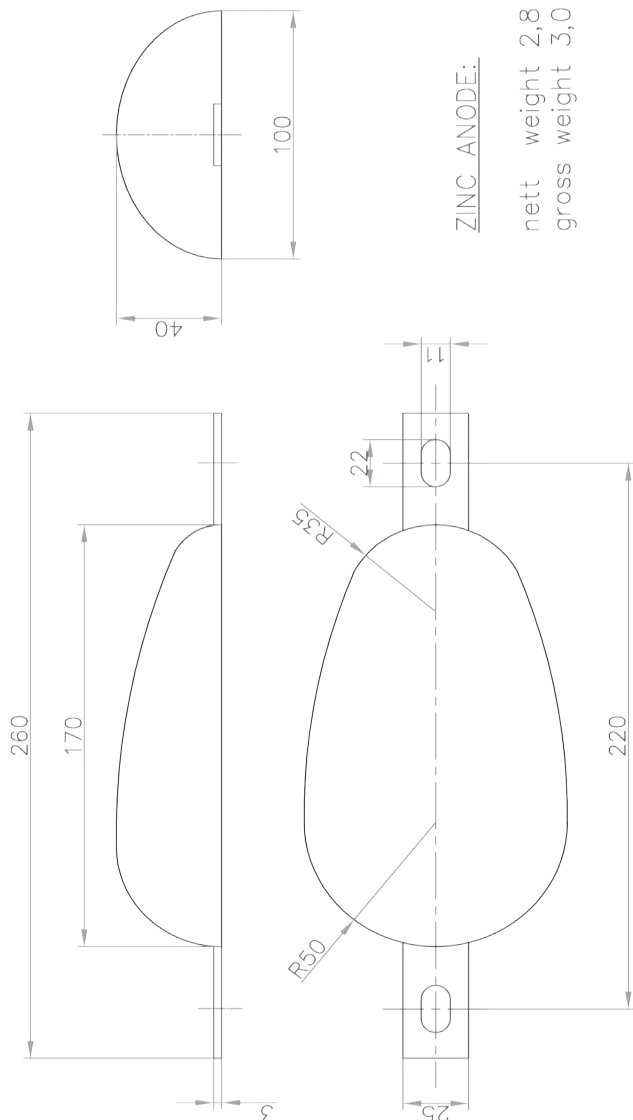
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Anode can also be provided with a coated backside

scale:	n.l.s.	Art.:	
drawn:		Dwg.:	S 8063
date:		D'm.:	A-4

ANODE TYPE EZ-2.8

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ZINC ANODE:

nett weight 2,8 kg
gross weight 3,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



scale:	n.t.s.	Art.: 922367000
drawn:		Dwg.: S 8060
date:		D'm.: A-4

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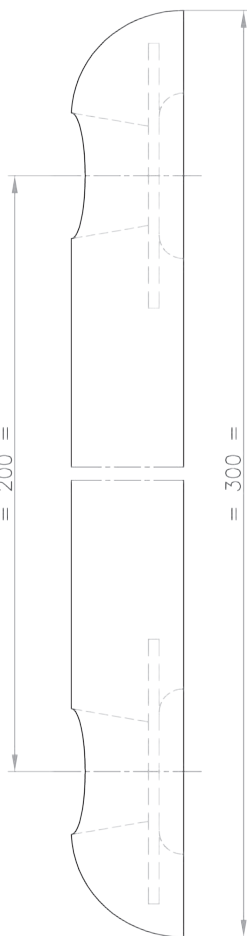
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

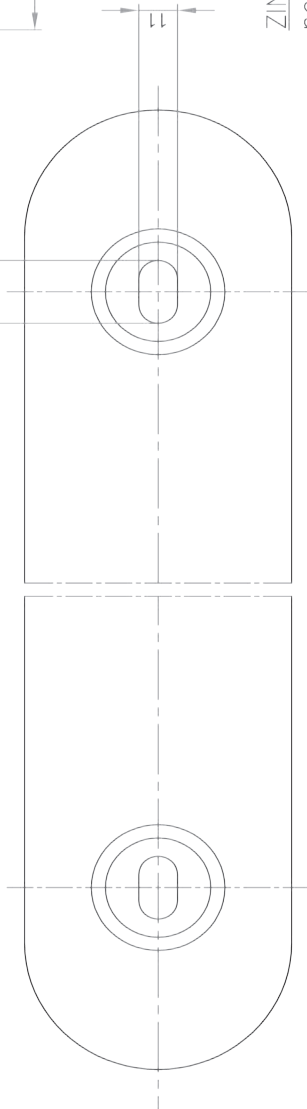
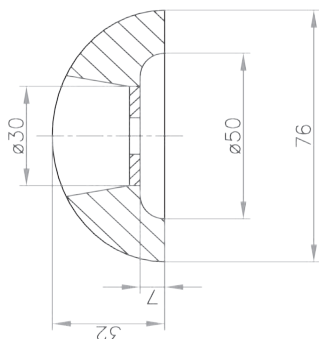
ANODE TYPE EZ-3

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ZINC ANODE:

nett weight 3,8 kg

gross weight 4,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)
Cadmium 0.025-0.07
Aluminium 0.10-0.5

Zinc Remainder 0.005 max

Copper 0.005 max

Iron 0.006 max

Lead 0.10 max

Others total 0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

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scale: n.t.s. Art.: 922365000

drawn:

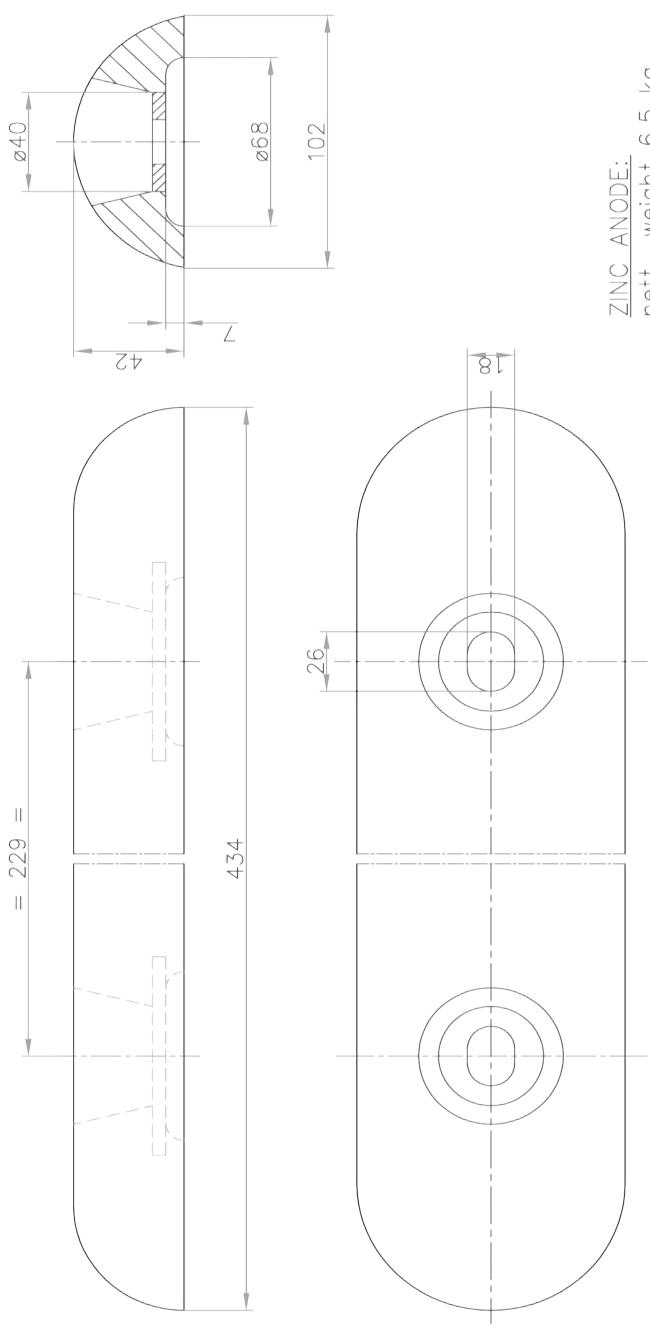
date:

Dwg.: S 7572

Dim.: A-4

ANODE TYPE EZ-4-B

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ZINC ANODE:
 nett weight 6,5 kg
 gross weight 7,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

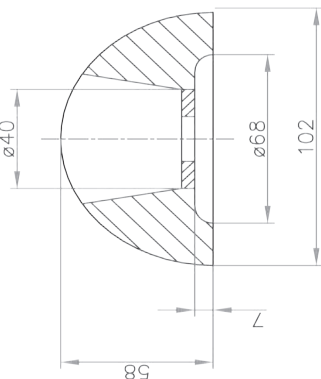
Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated baseplate

scale:	n.t.s.	Art.: 922364000
drawn:		Dwg.: S 7686
date:		Dim.: A-4

ANODE TYPE EZ-7-B

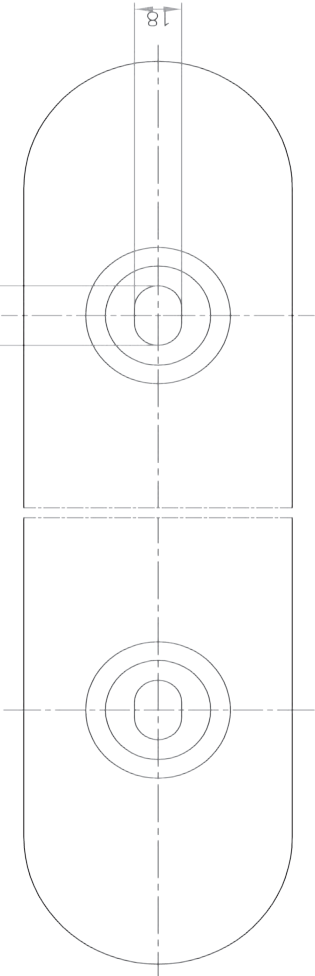
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ZINC ANODE:
nett weight 11,5 kg
gross weight 12,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



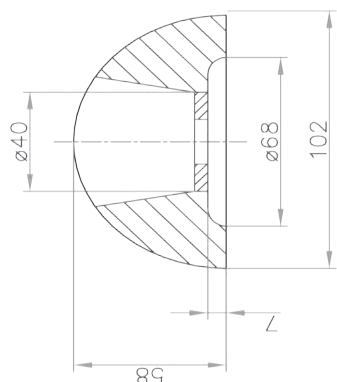
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Other specifications are available on request
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

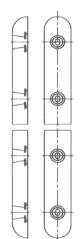
scale:	n.t.s.	Art.: 922361000
drawn:		Dwg.: S 7564
date:		Dim.: A-4

ANODE TYPE EZ-12-B

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Anode set consists of 2 anodes mounted as follows:



ZINC ANODE:

nett weight 12,5 kg
gross weight 13,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

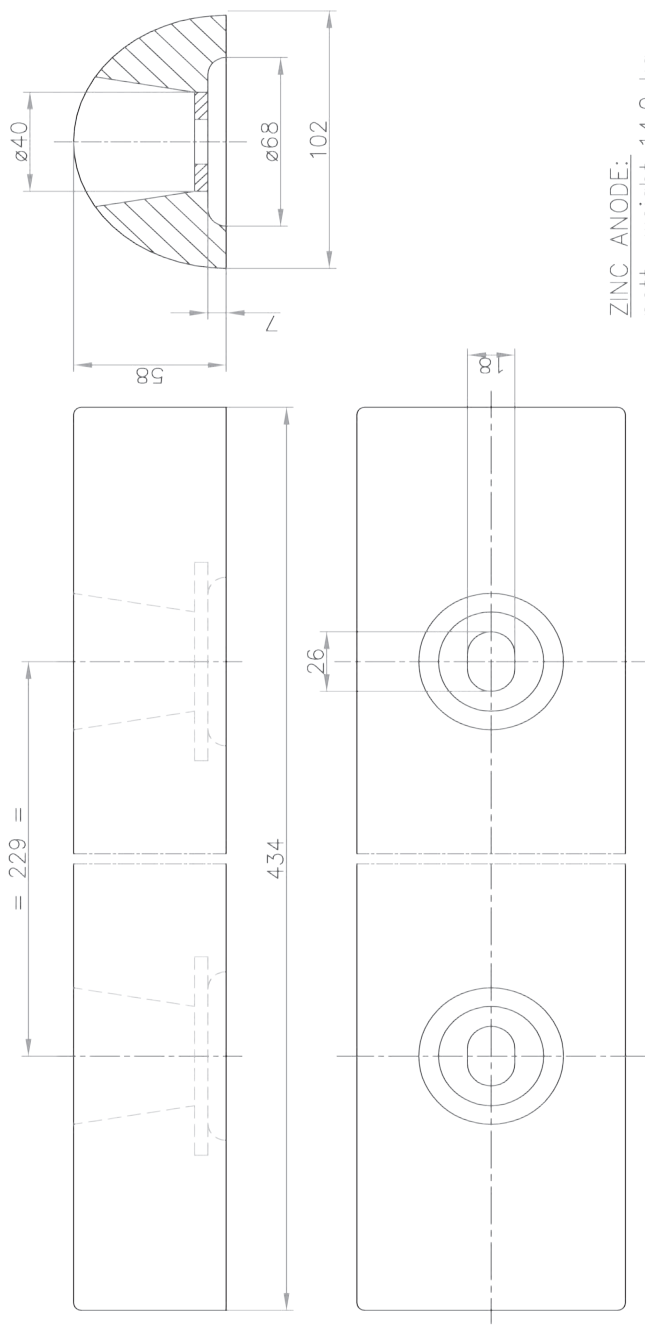
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale: n.t.s.
drawn:
date:

Art.: 922366000
Dwg.: S 7589
Dim.: A-4

ANODE TYPE EZ-13-B

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ZINC ANODE:
 nett weight 14,0 kg
 gross weight 14,5 kg

Zinc alloy specifications acc. US MIL-Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



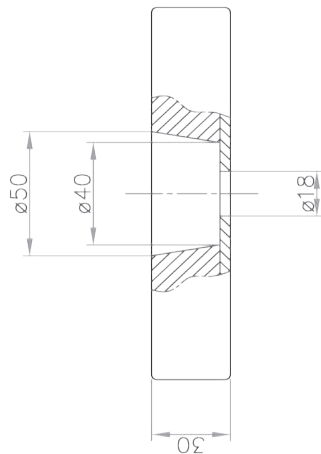
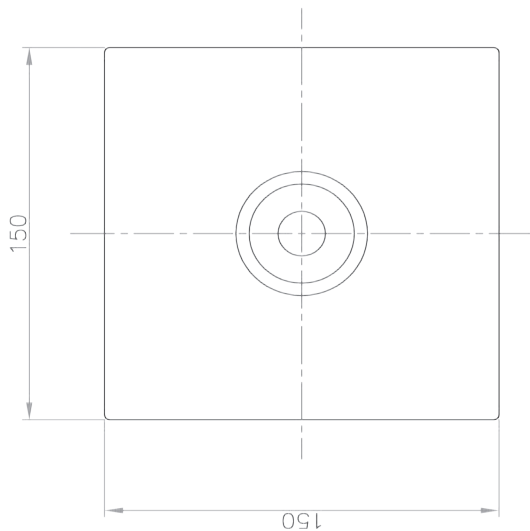
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 info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode cathodes be provided with a coated backside

ANODE TYPE EZ-14.5-B

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ZINC ANODE:

nett weight: 4,3 kg
gross weight: 4,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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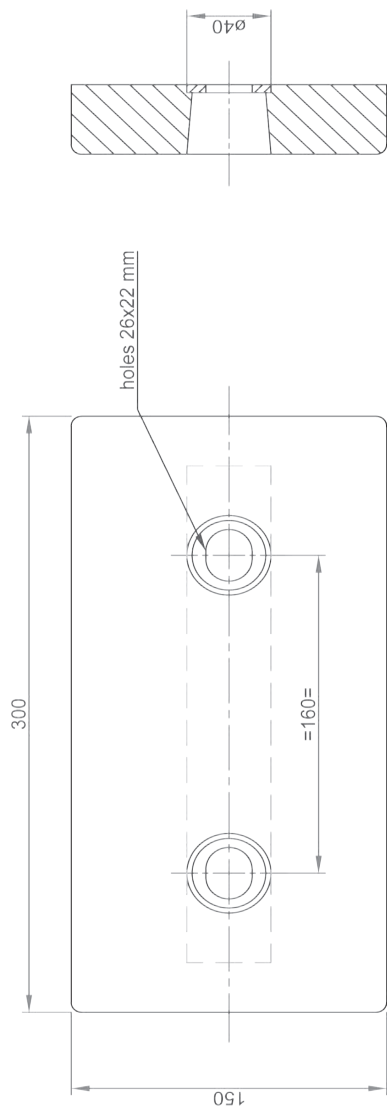
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	1 : 2	Art.:	922227000
drawn:		Dwg.:	S 5717
date:		Dim.:	A-4

ANODE TYPE 43-Z-B

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ZINC ANODE

nett weight 9,7 kg
gross weight 9,9 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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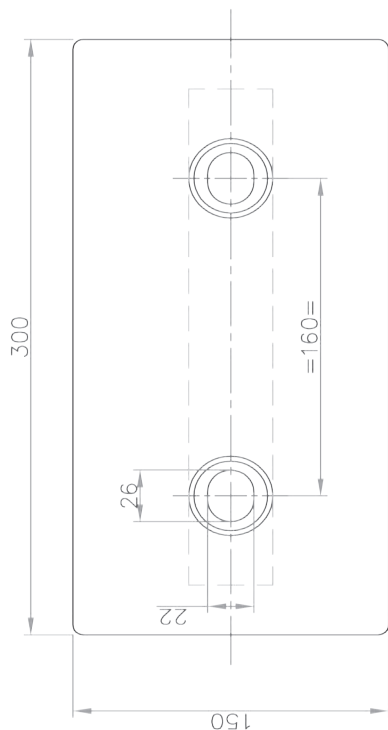
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922242000
drawn:		Dwg.: S 5727
date:		Dim.: A-4

ANODE TYPE 97-Z-B

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ZINK ANODE

nett weight 12,5 kg
gross weight 12,7 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



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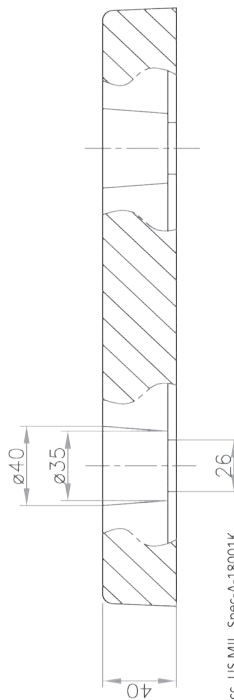
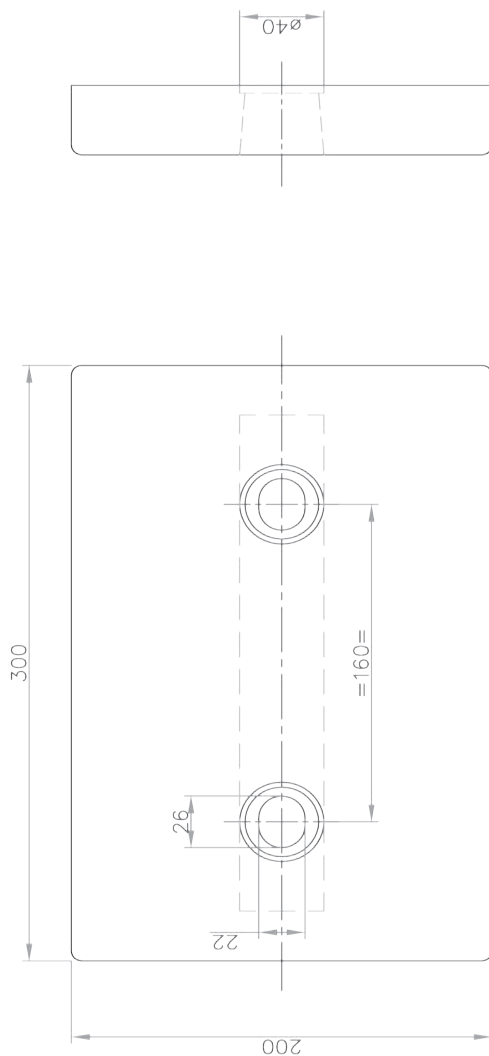
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 125-Z-B

scale:	n.t.s.	Art.: 923679000
drawn:		Dwg.: S 9709
date:		D'm.: A-4

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ZINC ANODE

nett	weight	16,2 kg
gross	weight	16,4 kg

Zinc alloy specifications acc. US MIL. Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

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Other specifications are available on request

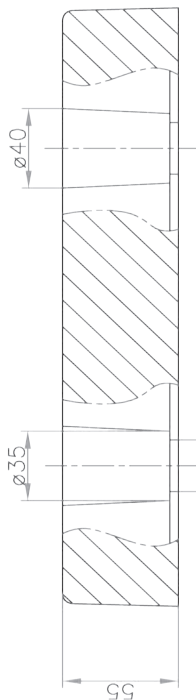
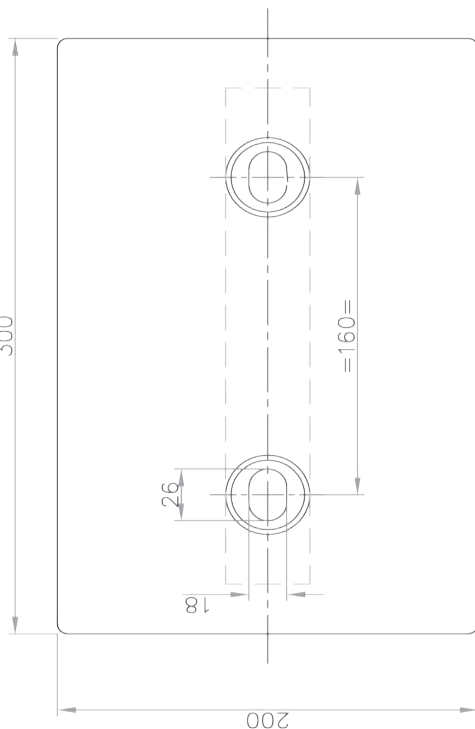
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE 162-Z-B

scale: n.t.s.	Art.:
drawn:	Dwg.: S 8207
date:	Dim.: A-4

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300



ZINC ANODE

nett weight 22,0 kg
gross weight 22,2 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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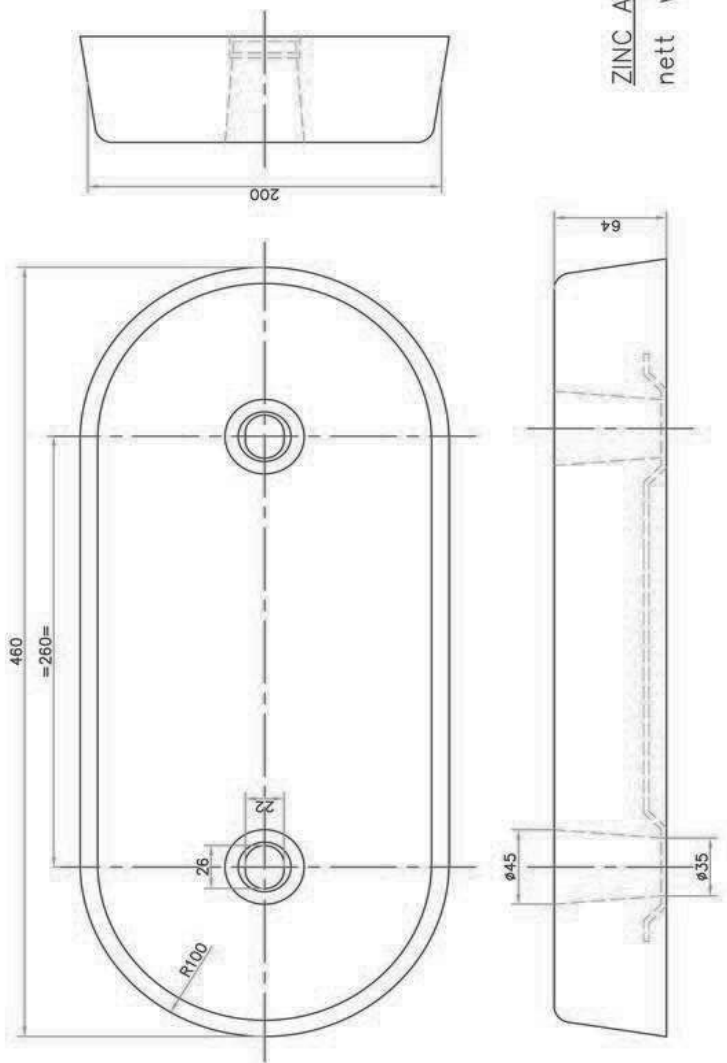
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 923233000
drawn:		Dwg.: S 8208
date:		D'm.: A-4

ANODE TYPE 220-Z-B

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ZINC ANODE:

nett weight 30,5 Kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm

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scale: n.t.s.

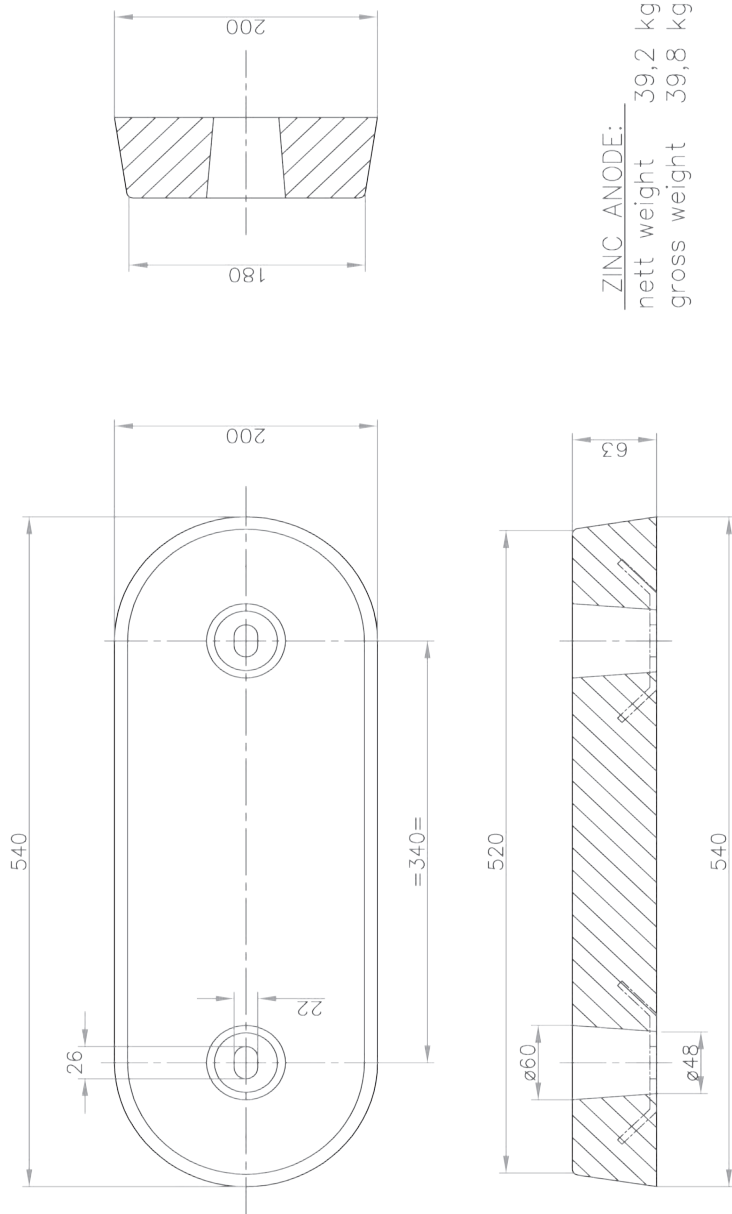
Art.:

Dwg.:

Dim.: A-4

ANODE TYPE 305-Z-B

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ZINC ANODE:
 nett weight 39,2 kg
 gross weight 39,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

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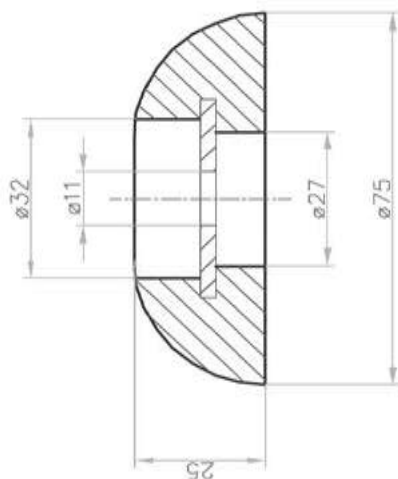
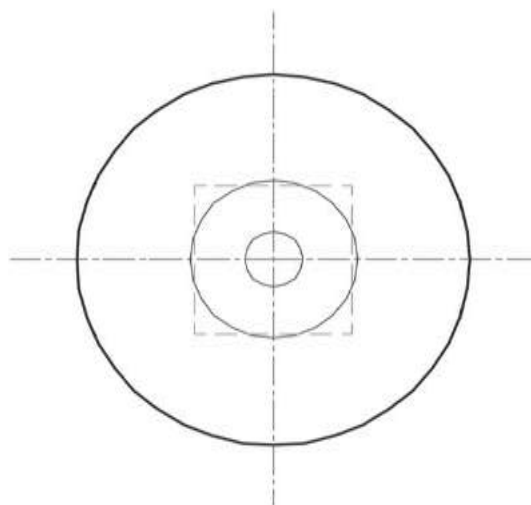
scale: 1 : 4	Art.:
drawn:	Dwg.: S 8696
date:	D'm.: A-4

ANODE TYPE 392-Z-B

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ALUMINIUM BOLT-ON DISC ANODES

The next pages gives only a selection of types
we have available.



ALUMINIUM ANODE:

nominal weight 0,17 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

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All data is subject to change without prior notice
Anode can also be provided with a coated backside

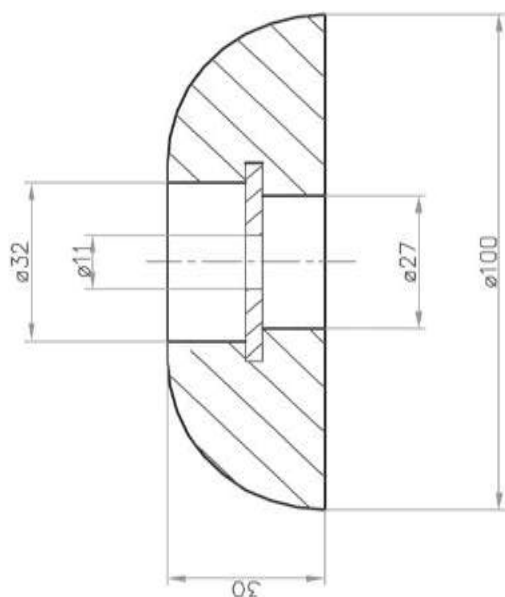
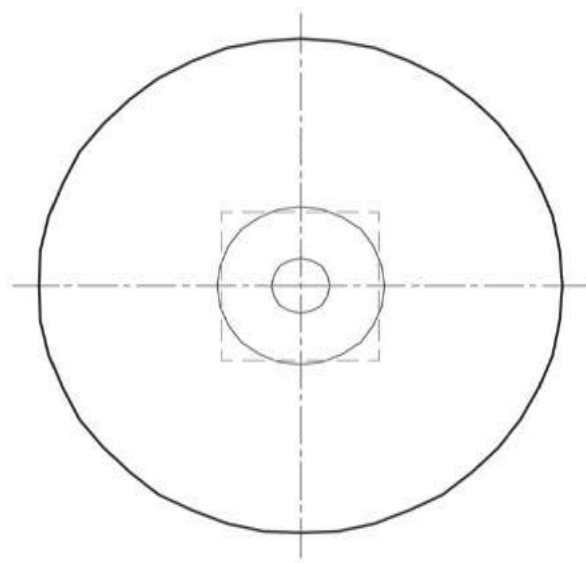
scale: n.t.s. Art. No.: B14706

drawn: Dwg. No.: S B054

date: Dim.: A-4

ANODE TYPE EA-0.17-DB

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ALUMINIUM ANODE:

nominal weight 0,5 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max.
Iron	0.10-0.15
Others each	0.02 max.

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice

Anode can also be provided with a coated backside

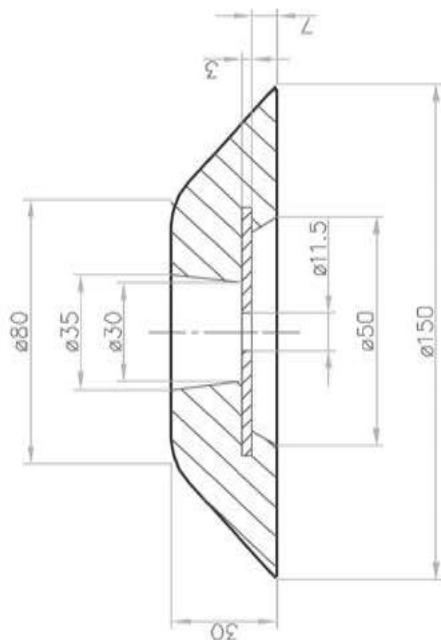
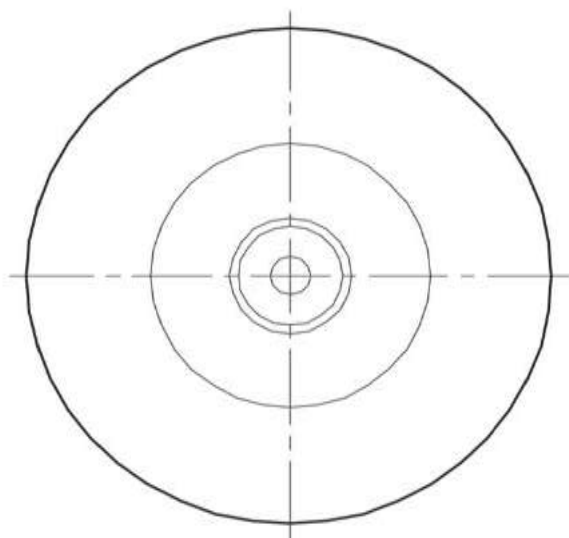
Order: n.l.s. Art.: 922555000

Draw: S 8060

Dim.: A-4

ANODE TYPE EA-0.5-DB

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ALUMINIUM ANODE:

nominal weight 0,9 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

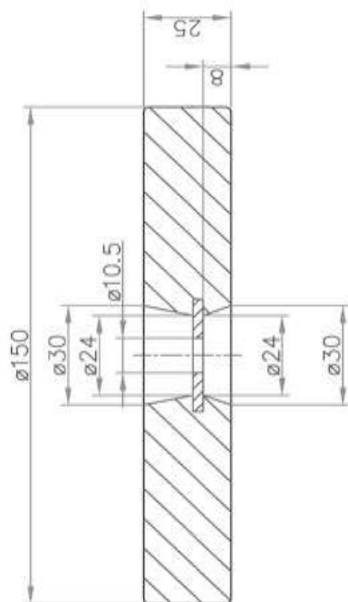
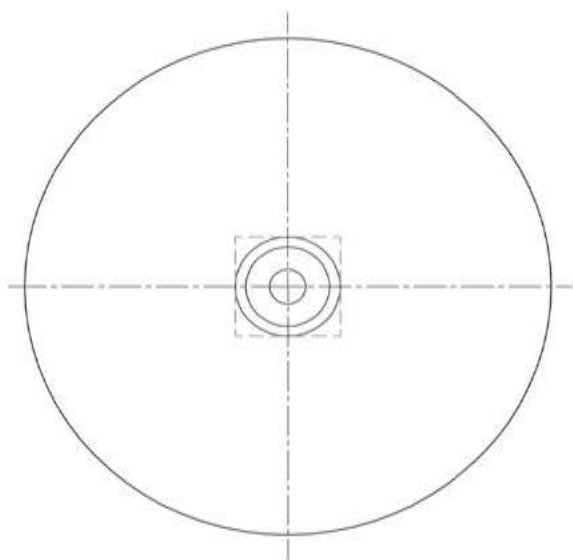
scale: n.t.s. Art. No.: 814710

drawn: Dwg. No.: S 8057

date: Dim.: A-4

ANODE TYPE EA-0.9-DB

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ALUMINIUM ANODE:

nominal weight 1,2 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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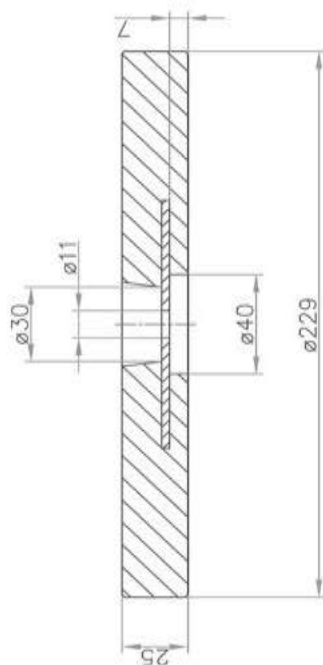
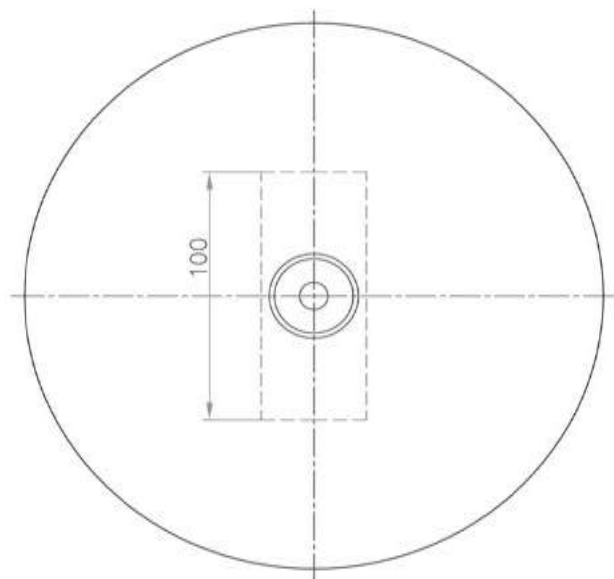
Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

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scale:	n.t.s.
drawn:	Art.:
date:	Desig.: S 8087
	Dim.: A-4

ANODE TYPE EA-1.2-SB

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ALUMINIUM ANODE:

nett weight 2,8 kg

gross weight 3,0 kg

Aluminium alloy specification	
Composers	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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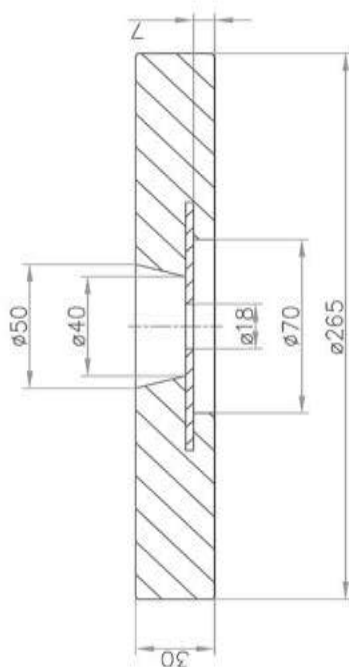
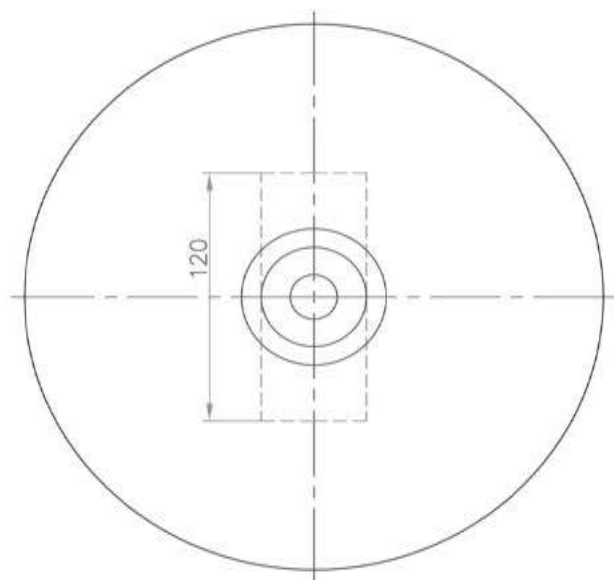
Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm.
All data is subject to change without prior notice.
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scale:	n.L.s.	Art.: 922564000
drawn:		Dwg.: S 8075
date:		Dim.: A-4

ANODE TYPE EA-3.0-SB

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ALUMINIUM ANODE:
 net weight 4,5 kg
 gross weight 4,7 kg

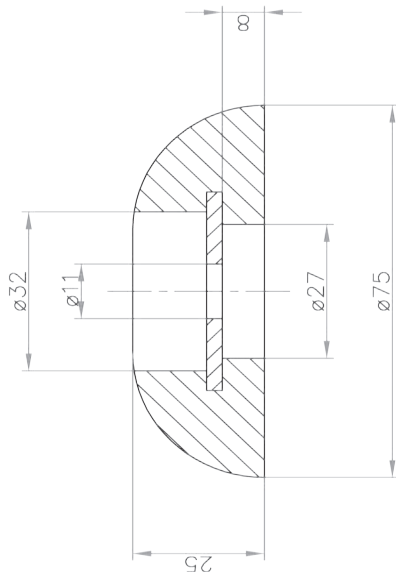
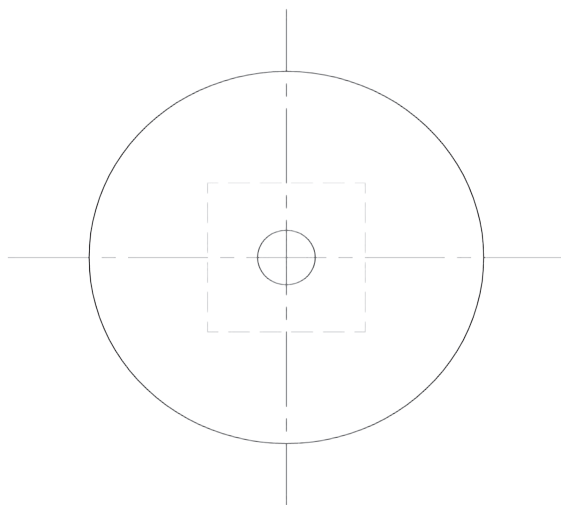
Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity:
 Solution potential:
 2700 Ah/Kg nominal
 -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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scale:	n.L.s.	Art.: 814734	ANODE TYPE EA-4.5-DB Copyright Ampak™. No part of this drawing may be copied, disclosed, or made public in any form, without written consent of Ampak B.V.
drawn:		Dwg.: S 8554	
date:		Dim.: A-4	

ZINC BOLT-ON DISC ANODES

The next pages gives only a selection of types
we have available.



ZINC ANODE:

nominal weight 0,43 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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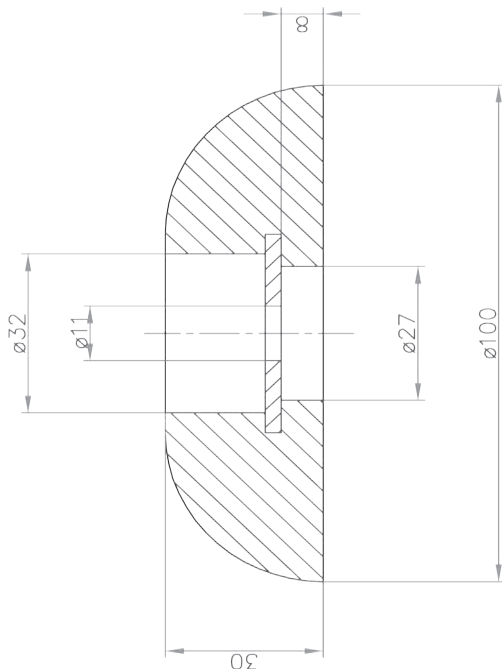
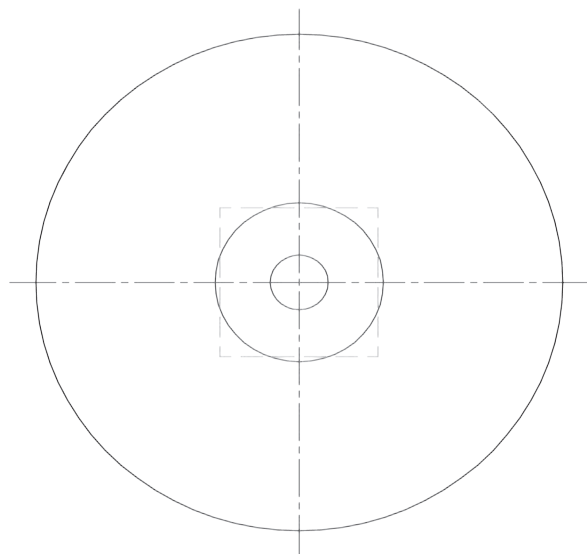
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

ANODE TYPE EZ-0.43-DB

scale:	n.t.s.	Art.:	922362000
drawn:		Dwg.:	S 7687
date:		D'im.:	A-4

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ZINC ANODE:

nominal weight 1,2 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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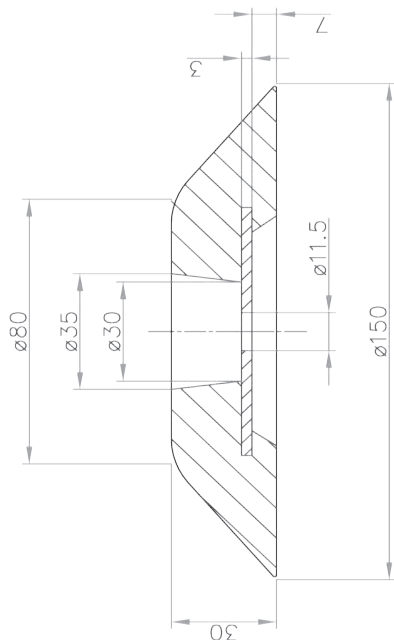
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ANODE TYPE EZ-1.2-DB

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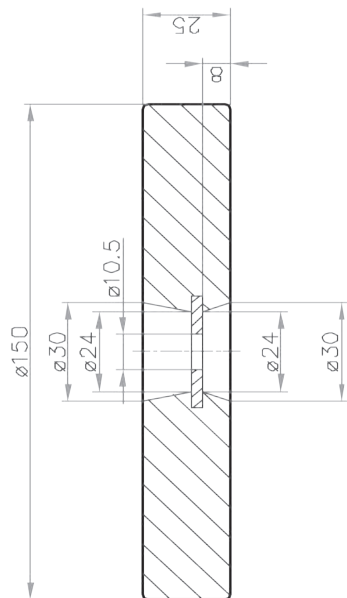
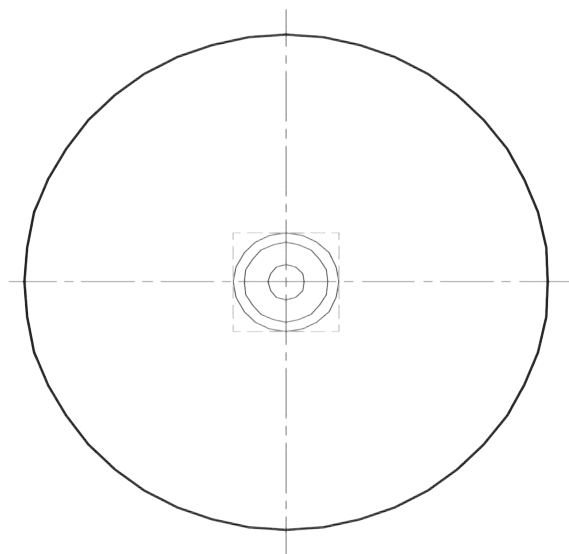
nominal weight 2,3 kg

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Anode can also be provided with a coated backside

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ZINC ANODE:
nominal weight 3,0 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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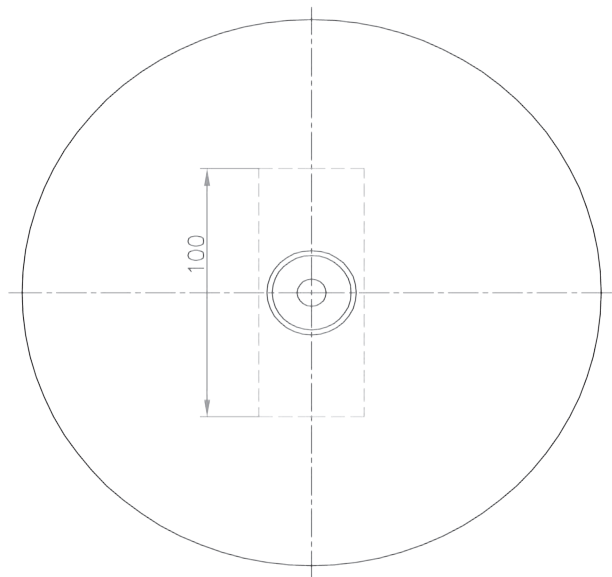
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 922377000
drawn:		Dwg.: S 8085
date:		Dim.: A-4

ANODE TYPE EZ-3-SB

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ZINC ANODE:
 nett weight 7,2 kg
 gross weight 7,4 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



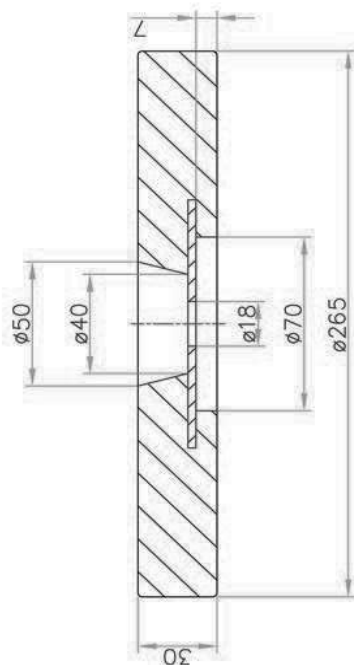
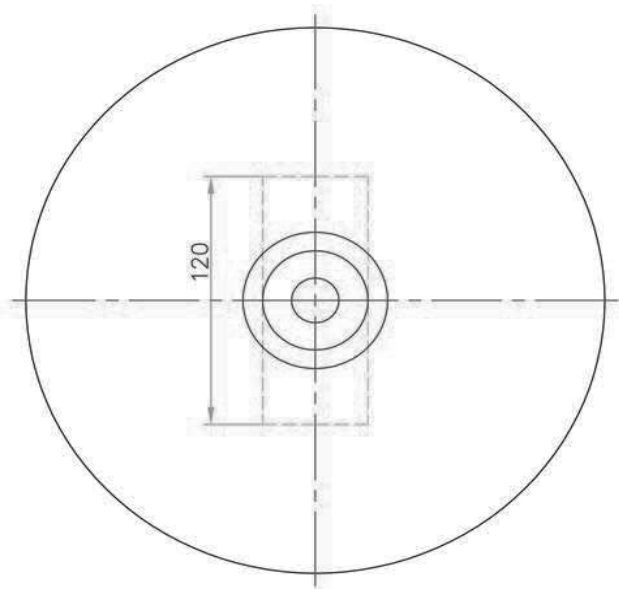
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 Note: All dimensions and weights are nominal. Dimension in mm
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 Anode can also be provided with a coated backside

scale:	n.t.s.
drawn:	
date:	
Art.:	922368000
Dwg.:	S 7597
Dim.:	A-4

ANODE TYPE EZ-7.4-SB

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ZINC ANODE:

net weight 12,0 kg

gross weight 12,2 kg

Zinc alloy specifications acc. US MIL-Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

scale:	n.t.s.	Art.: 923234000
drawn:		Dwg.: S 8547
date:		Dim.: A-4

ANODE TYPE EZ-12.0-SB

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ALUMINIUM TANK ANODES

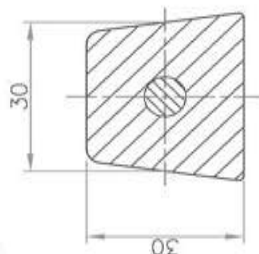
The next pages gives only a selection of types
we have available.

= 480 =

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Insert ø8 mm

= approx. 670 =



ALUMINIUM ANODE:

nett weight 0,93 kg

gross weight 1,25 kg

Aluminium alloy specification

Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm
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Anode can also be provided with a coated backside

scale: 1 : 2

Art.:

Dwg.: S 7677

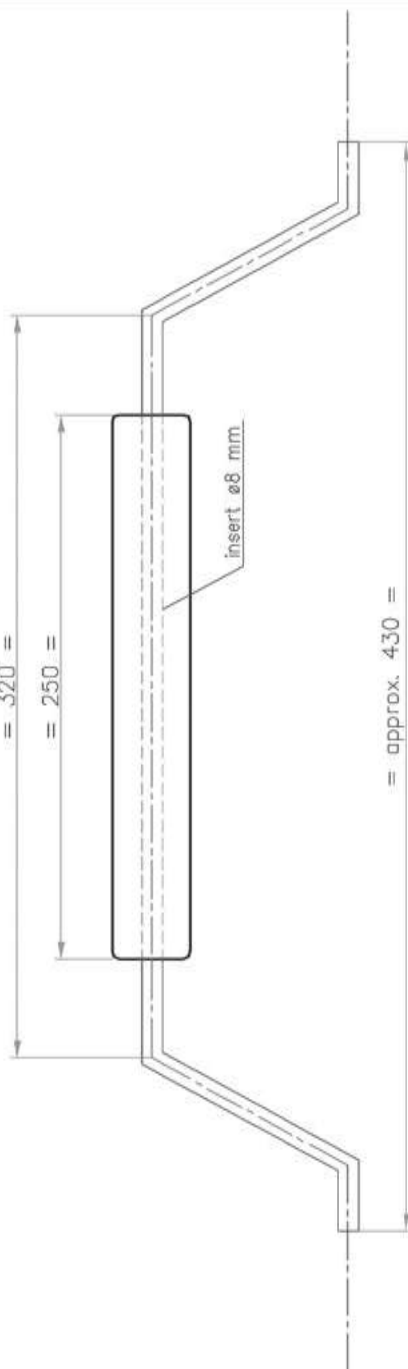
Dim.: A-4

ANODE TYPE T-9.3-DC

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= 320 =

= 250 =



= approx. 430 =

ALUMINIUM ANODE:

nett weight 1,7 kg

gross weight 2,0 kg

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Iron		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others each		0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Info@ampakanode.de

Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice

Anode can also be provided with a coated backbone

ANODE TYPE T-17-AL-DC

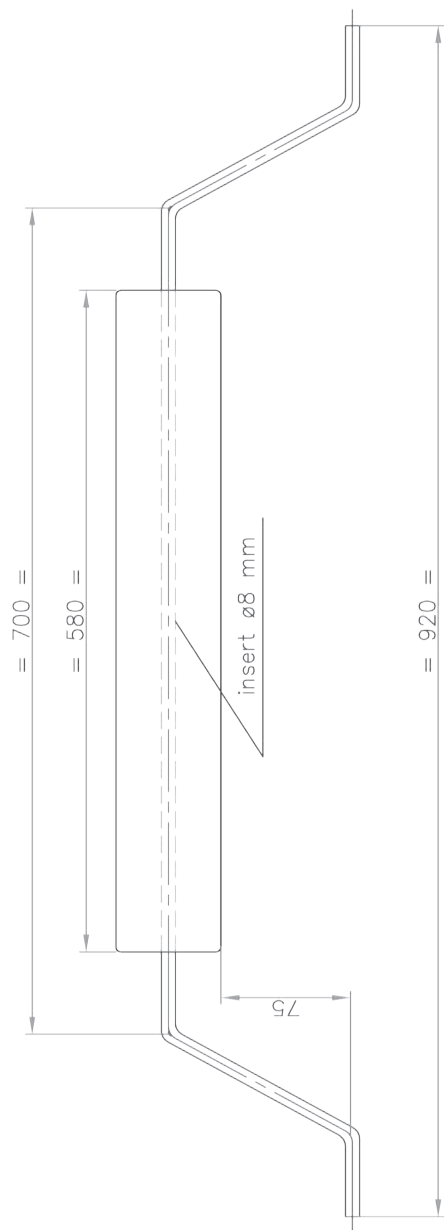
scale: 1 : 2

Art.: S 7801

Dim.: A-4

601g

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ALUMINIUM ANODE:
 Nett weight 2,6 kg
 Gross weight 3,0 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2805 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

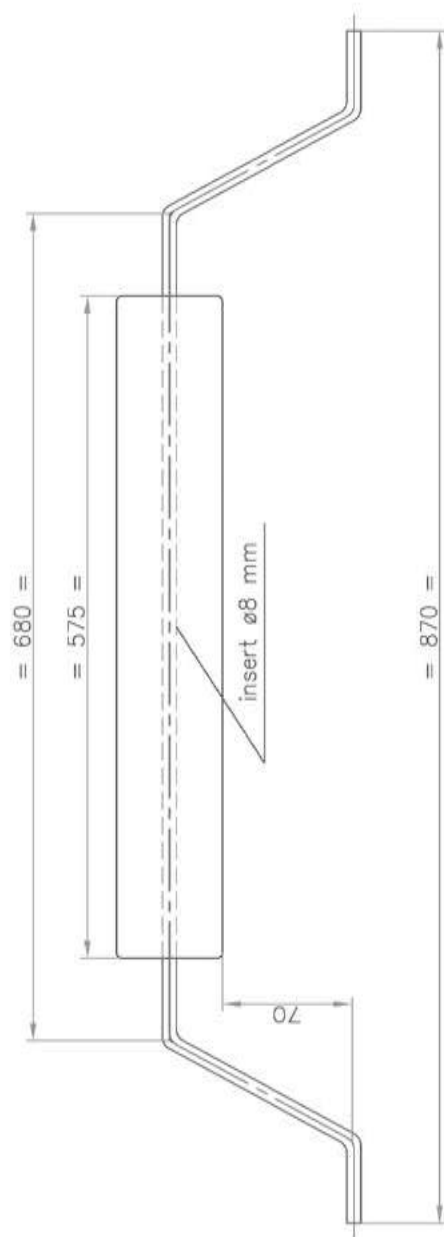
Note: All dimensions and weights are nominal. Dimension in mm
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scale: n.t.s.	Art.: 922423000
drawn:	Dwg.: S 5679
date:	Dim.: A-4

ANODE TYPE T-26-AL-DC

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ALUMINIUM ANODE:
 Nett weight 4,0 kg
 Gross weight 4,4 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity:
 Solution potential:
 2700 Ahr/Kg nominal
 -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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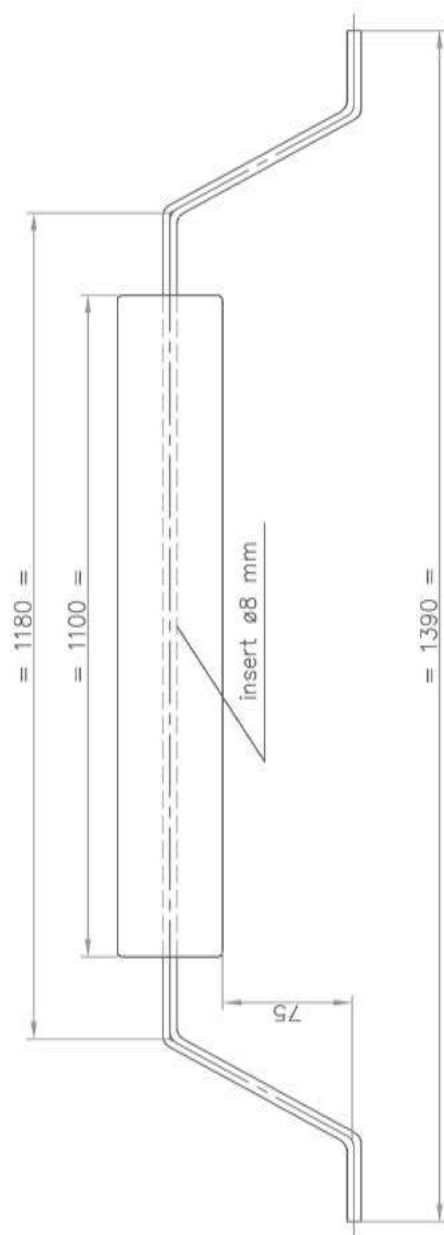
Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice.
 Ampak can also be provided with a coated backbone.

scale: n.t.s.	Art.: 922438000
drawn:	Dwg.: S. 7701
date:	Dlm.: A-4

ANODE TYPE T-40-AL-DC

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ALUMINIUM ANODE:
 Nett weight 4,5 kg
 Gross weight 5,1 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

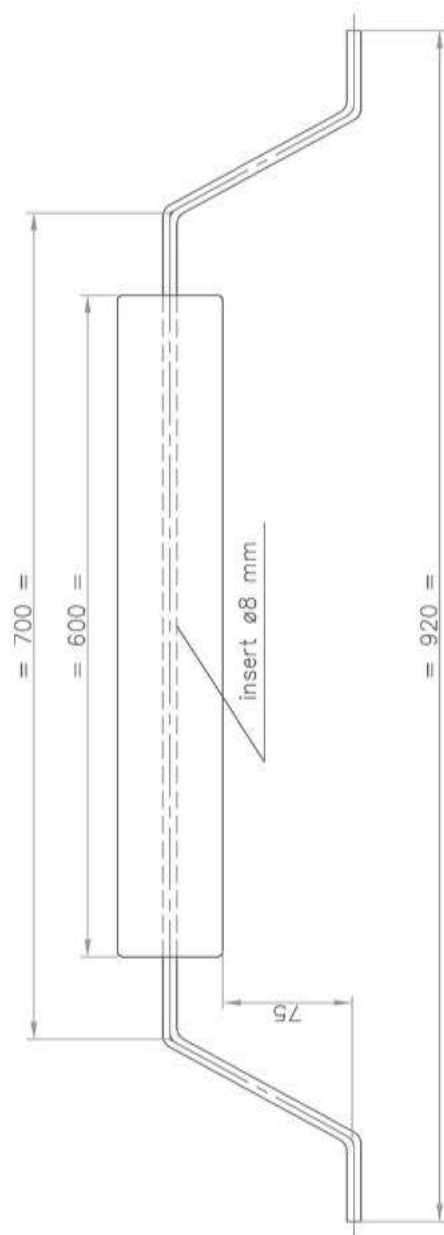
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scale: n.t.s.	Art.: 922404000
drawn:	Dwg.: S 5556
date:	Dim.: A-4

ANODE TYPE T-45-AL-DC

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ALUMINIUM ANODE:
 Nett weight 6,0 kg
 Gross weight 6,5 kg

Aluminium alloy specification

Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

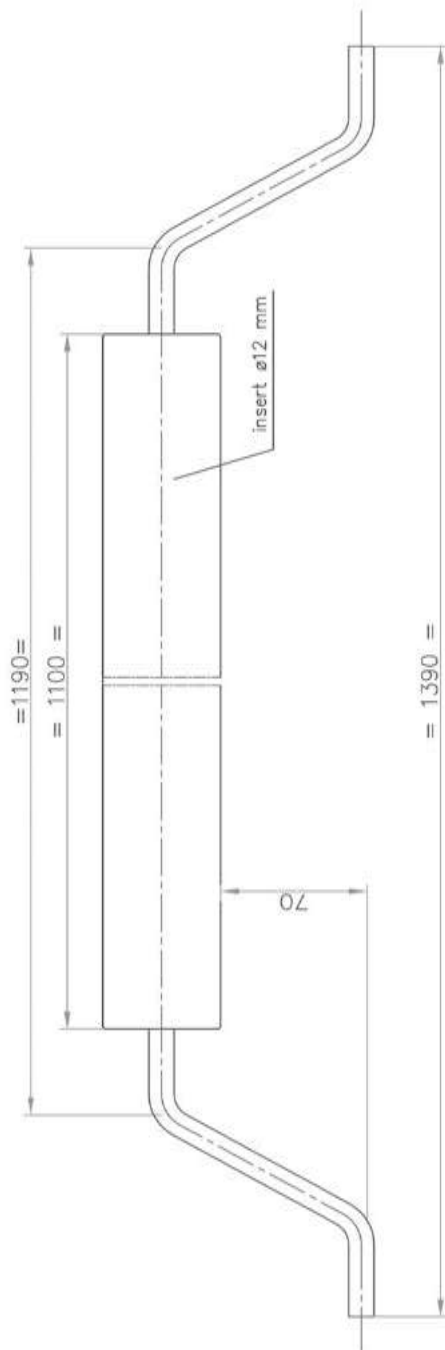
scale: n.t.s. Art.: 922442000

drawn: Dwg.: S 7665

date: Dim.: A-4

ANODE TYPE T-60-AL-DC

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ALUMINIUM ANODE:
 nett weight 9,0 kg
 gross weight 10,4 kg

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.6-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ahr/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice.
 Anode can also be provided with a control package

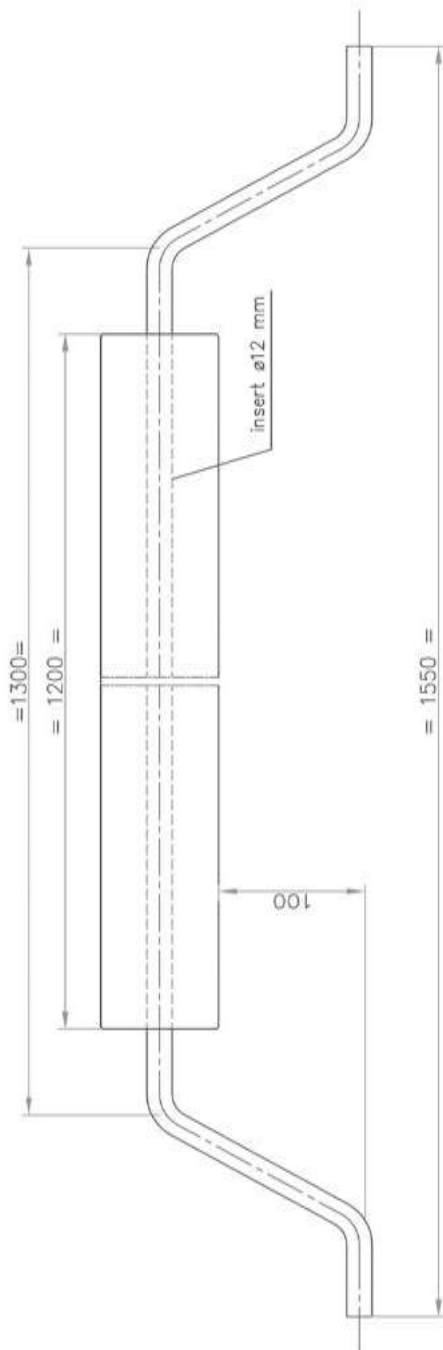
scale: n.t.s. Art.: 922409000

drawn: Dwg.: S 5557

date: Dim.: A-4

ANODE TYPE T-90-AL-DC

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ALUMINIUM ANODE:

nett weight 12,5 kg

gross weight 14,0 kg

Aluminium alloy specification	
Components	Impurities
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iridium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimensions in mm

All data is subject to change without prior notice

Anode can also be provided with a coated backside

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scale: n.l.s. Art.: 922416000

drawn: Dwg.: S 5653

date: Dim.: A-4

ANODE TYPE T-125-AL-DC

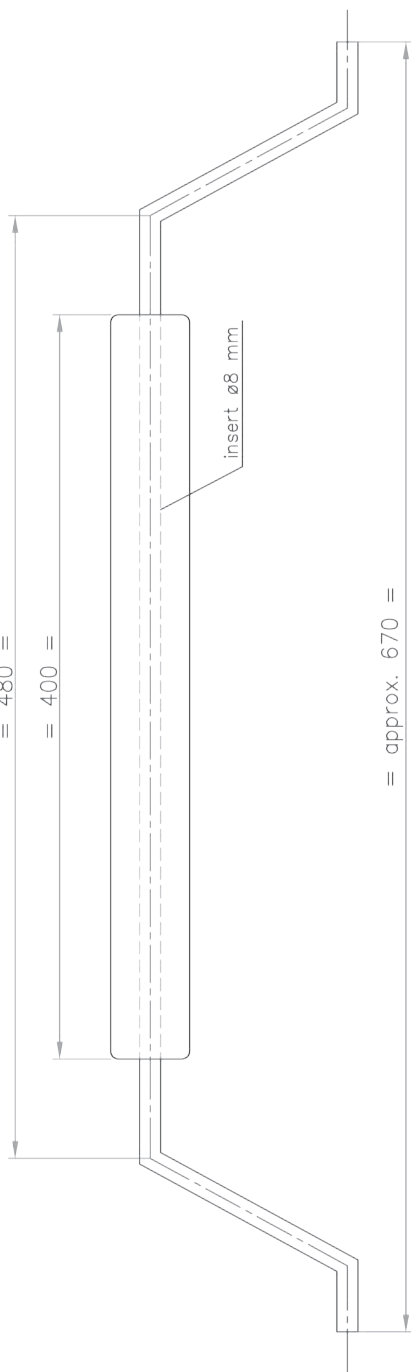
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ZINC TANK ANODES

The next pages gives only a selection of types
we have available.

= 480 =

= 400 =



= approx. 670 =

ZINC ANODE:

nett weight 2,4 kg

gross weight 2,7 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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All data is subject to change without prior notice
Anode can also be provided with a coated backside

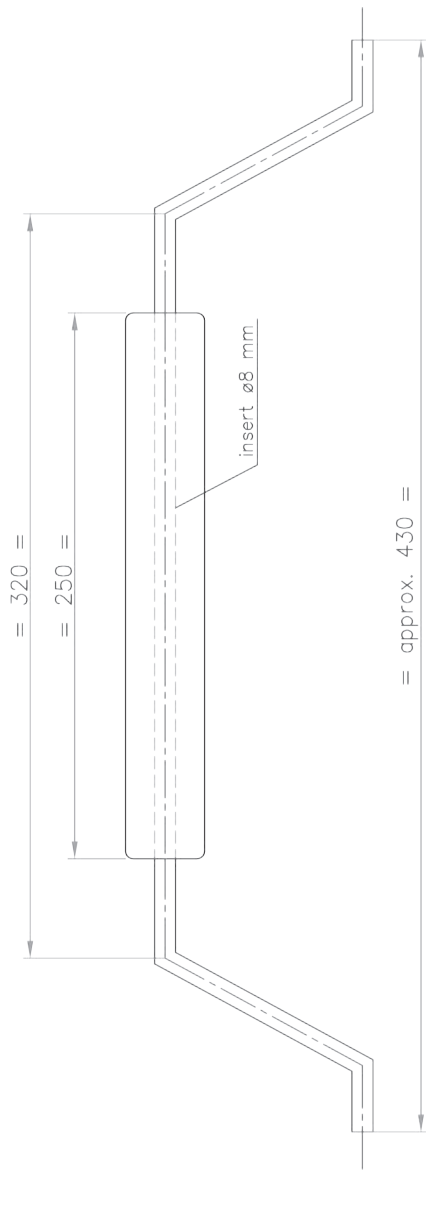
scale: 1 : 2 Art.:

drawn: Dwg.: S 7817

date: Dim.: A - 4

T-24-Z-DC

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ZINC ANODE:
 nett weight 4,3 kg
 gross weight 4,6 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)



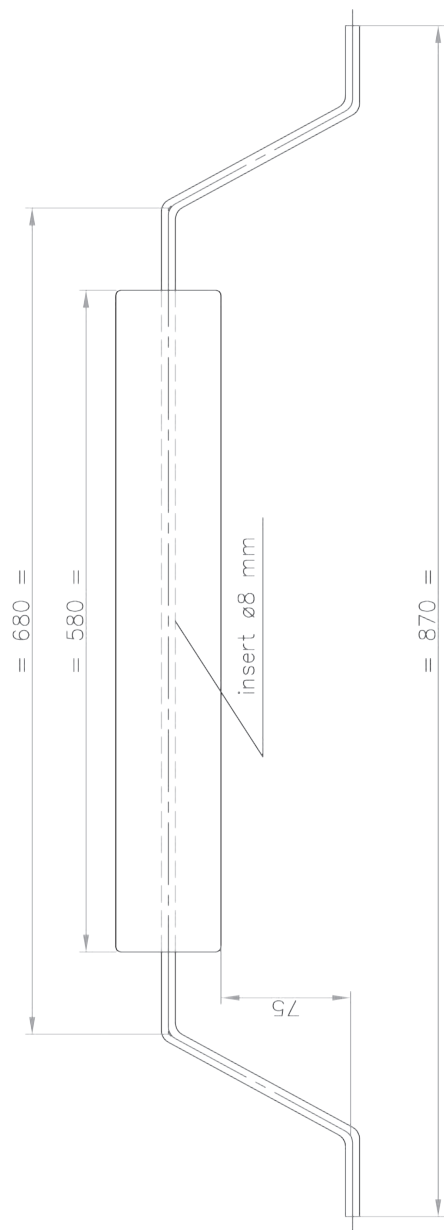
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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

ANODE TYPE T-43-Z-DC	
scale: n.L.s.	Art.: 806032
drawn:	Dwg.: S 5755
date:	Dim.: A-4
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ZINC ANODE:
 Nett weight 7,3 kg
 Gross weight 7,7 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
Copper		0.005 max
Iron		0.005 max
Lead		0.006 max
Others total		0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

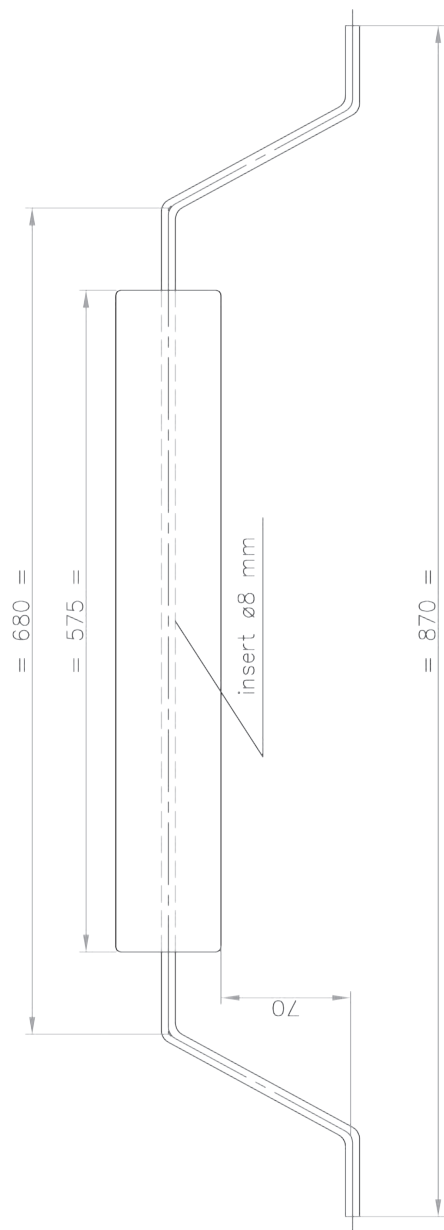
Note: All dimensions and weights are nominal. Dimension in mm
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scale:	n.t.s.	Art.: 922108000
drawn:		Dwg.: S 5650
date:		Dim.: A-4

ANODE TYPE T-73-Z-DC

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ZINC ANODE:

Nett weight 10,0 kg
Gross weight 10,4 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

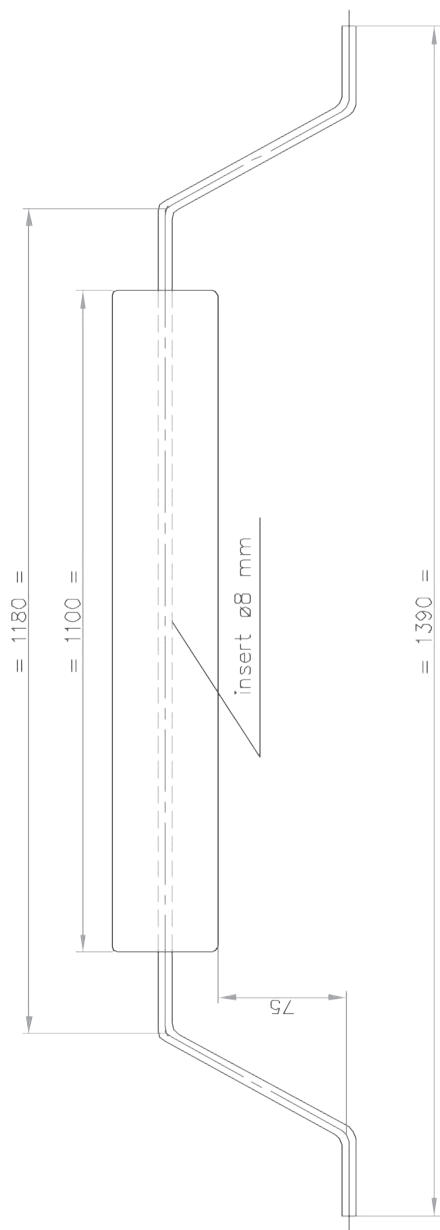
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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scale:	n.t.s.	Art.: 92363500
drawn:		Dwg.: S 7694
date:		Dim.: A-4

ANODE TYPE T-100-Z-DC

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ZINC ANODE:
 Nett weight 12,0 kg
 Gross weight 12,6 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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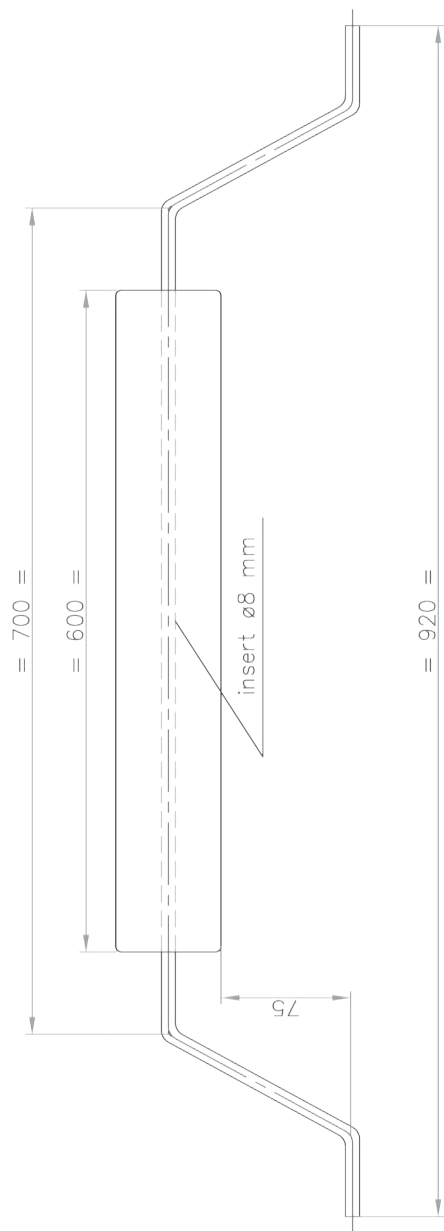
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

AMPAK T-120-Z-DC

scale:	n.t.s.	Art.:	806021
drawn:		Dwg.:	S 4329
date:		Dim.:	A-4

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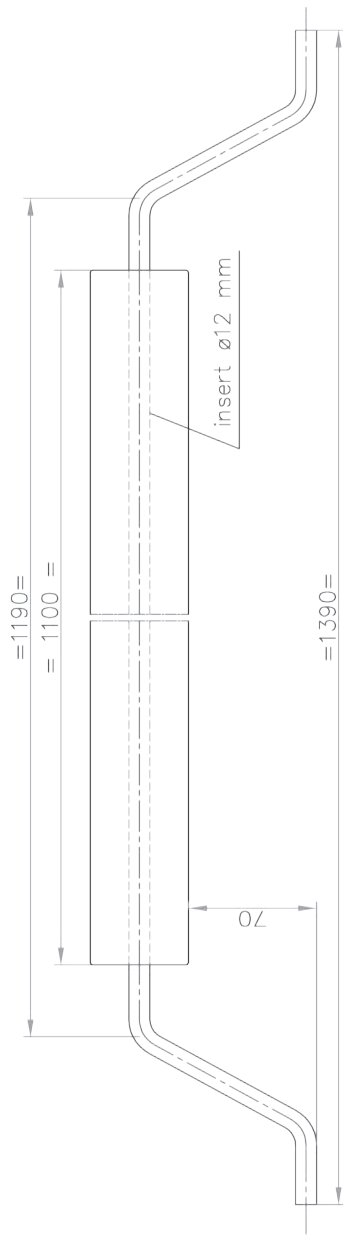


ZINC ANODE:
 Nett weight 15,3 kg
 Gross weight 15,8 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc		Remainder
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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scale: n.t.s.	Art.: 922135000	ANODE TYPE T-153-Z-DC	
drawn:	Dwg.: S 7705	Copyright Ampak®. No part of this drawing may be copied, disclosed, or made	
date:	Dim.: A-4	Public in any form, without written consent of Ampak B.V.	



ZINC ANODE:
 nett weight 22,0 kg
 gross weight 23,4 kg

cross section

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

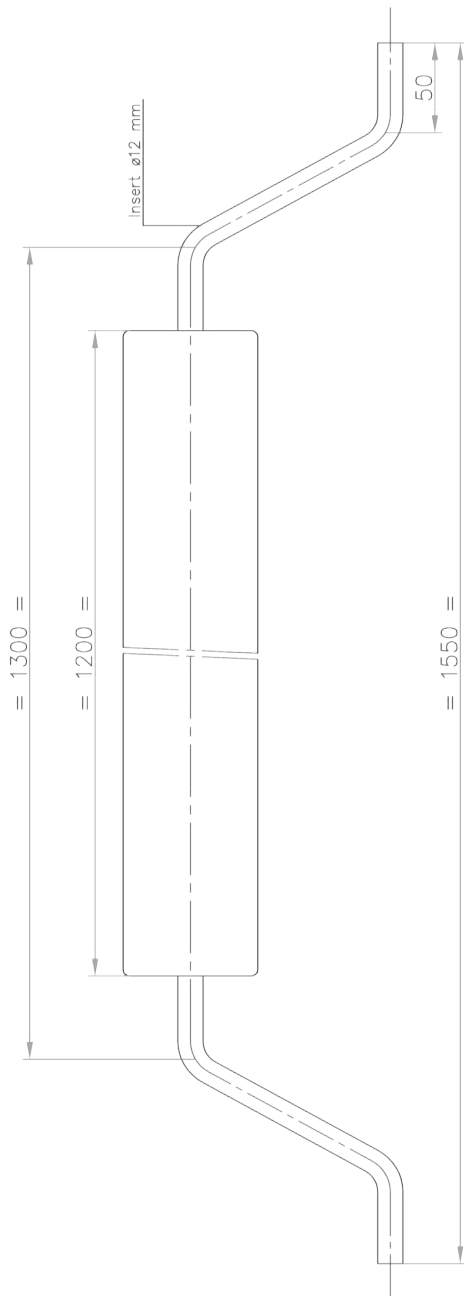
Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

Art.: 922036000
 Dwg.: S 5651
 Dim.: A-4

scale: n.i.s.
 drawn:
 date:

ANODE TYPE T-220-Z-DC

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ZINC ANODE:

nett weight 32,0 kg
gross weight 33,5 kg

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ah/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backside

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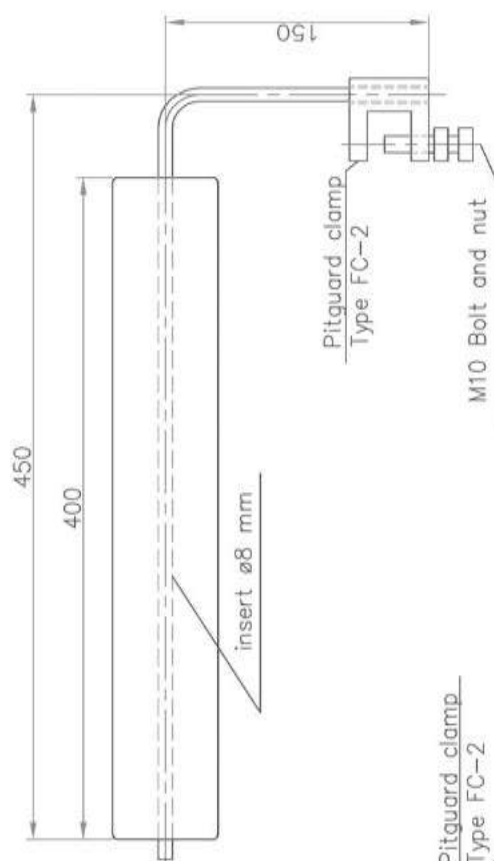
scale:	n.t.s.	Art.: 806014
drawn:		Dwg.: S 5657
date:		Dim.: A-4

ANODE TYPE T-320-Z-DC

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ALUMINIUM PITGUARD ANODES

The next pages gives only a selection of types
we have available.



ALUMINIUM ANODE:

Nett weight 0,93 kg

Gross weight 1,4 kg (incl. clamp)

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ahr/Kg nominal

Solution potential: -1650 mV vs. Ag/AgCl reference cell nominal (in seawater)

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scale: n.t.s. Art.: 922446000

drawn: S 7714

Dim.: A-4

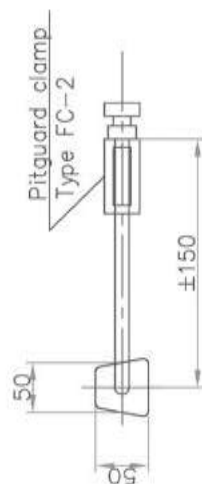
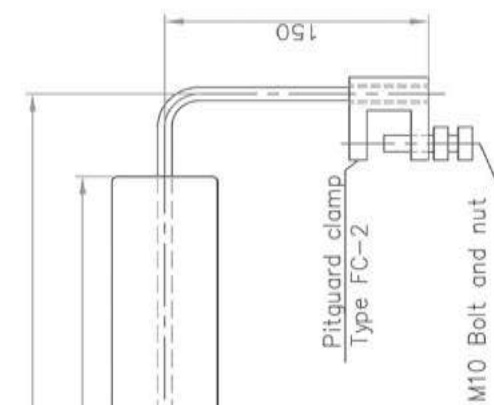
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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated backbone

ANODE TYPE T-9,3-AL-PITGUARD

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ALUMINIUM ANODE:
 Nett weight 1,7 kg
 Gross weight 2,2 kg (incl. clamp)

Aluminium alloy specification	
Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal
 Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

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scale: n.t.s.	Art.:
drawn:	Dwg.:
date:	D'm.: A-4

ANODE TYPE T-17-AL PITGUARD

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ALUMINIUM ANODE:

Nett weight 2,6 kg

Gross weight 3,1 kg (incl. clamp)

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others each		0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm.
All data is subject to change without prior notice.

Anode can also be provided with a coated backside.

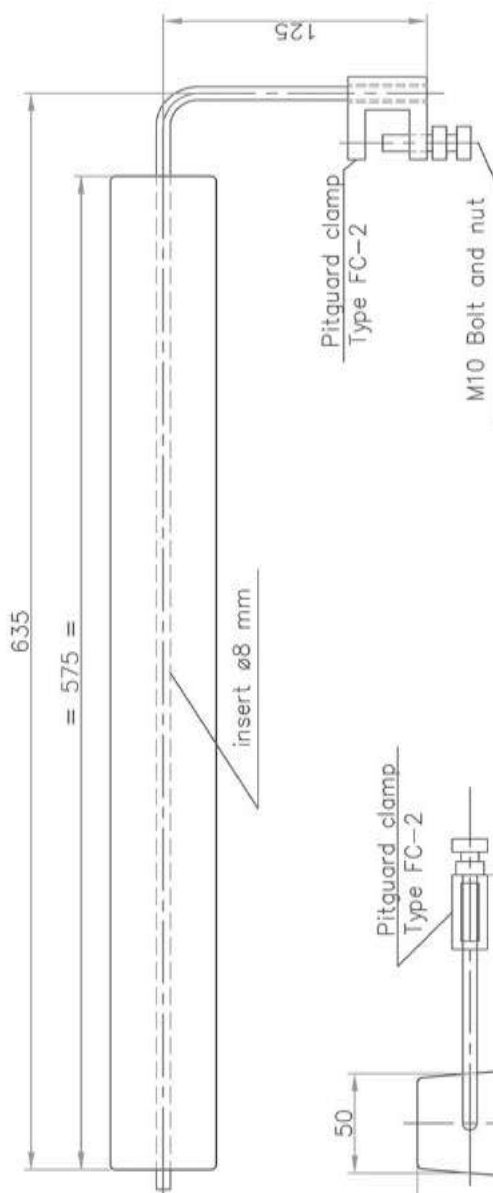
scale: n.t.s. Art.: S 7715

drawn: Dwg.: A-4

date: Dim.: A-4

T-26-AL PITGUARD

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ALUMINIUM ANODE:

Nett weight 4,0 kg

Gross weight 4,5 kg (incl. clamp)

Aluminium alloy specification

Composition

Impurities	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Iron	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice.
Anode can also be provided with a coated cathode.

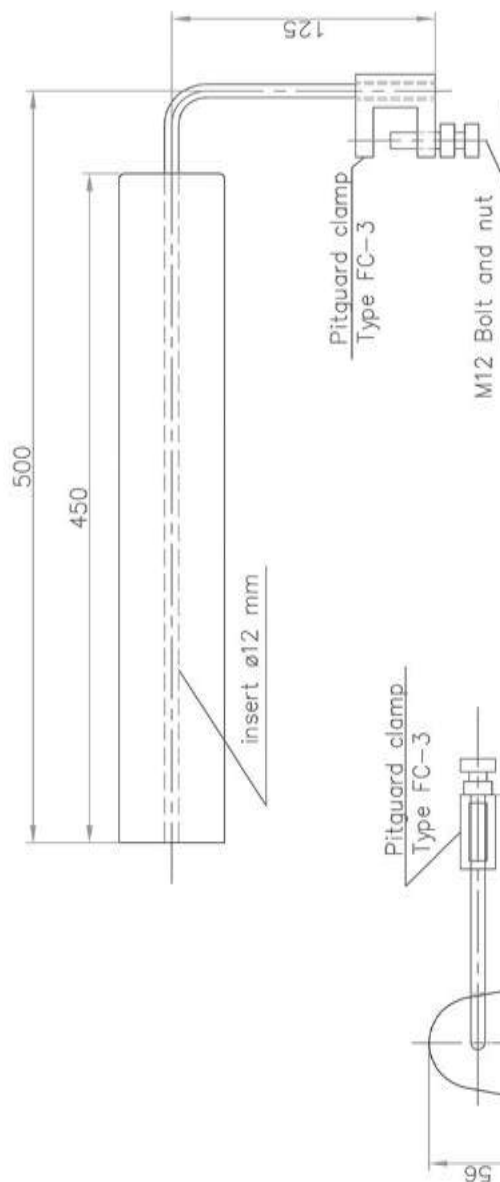
scale: n.t.s. Art.: 813143

drawn: Dwg.: S 7860

date: Dim.: A-4

ANODE TYPE T-40-AL PITGUARD

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ALUMINIUM ANODE: 4,5 kg
 Nett weight 5,5 kg (incl. clamp)
 Gross weight

Aluminium alloy specification

Components	Percentage (%)
Silicon	0.10-0.15
Zinc	2.0-5.0
Titanium	0.01-0.05
Indium	0.01-0.05
Aluminium	Remainder (99.85% Purity)
Copper	0.02 max
Iron	0.10-0.15
Others each	0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

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 Anode can also be provided with a coated backside

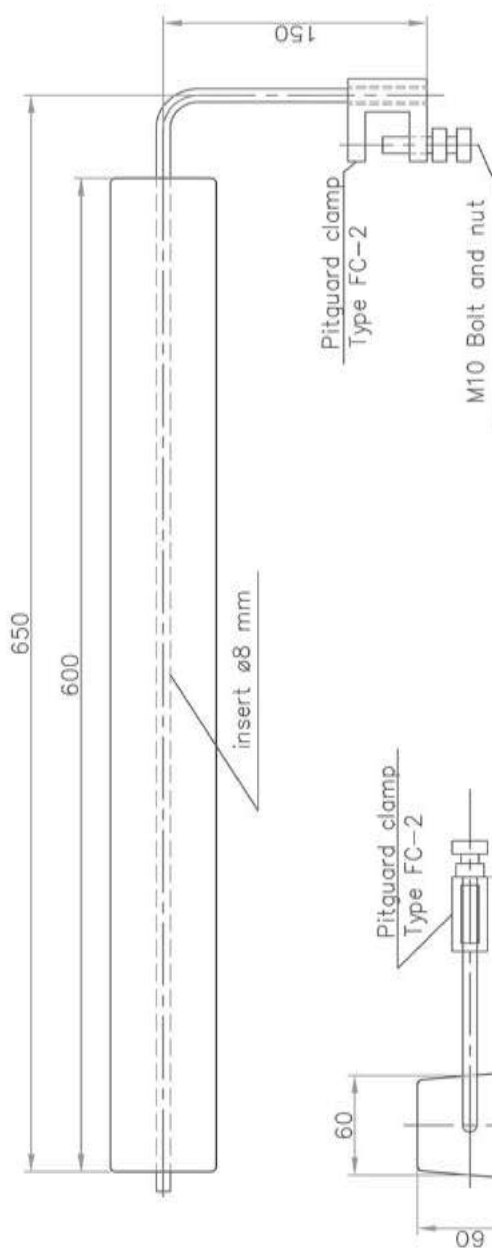
scale: n.t.s. Art.: 922472000

drawn: Dwg.: S 7663

date: Dim.: A-4

ANODE TYPE T-45-AL PITGUARD

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ALUMINIUM ANODE:
 Nett weight 6,0 kg
 Gross weight 6,5 kg (incl. clamp)

Aluminium alloy specification

Components	Impurities	Percentage (%)
Silicon		0.10-0.15
Zinc		2.0-5.0
Titanium		0.01-0.05
Indium		0.01-0.05
Aluminium		Remainder (99.85% Purity)
Copper		0.02 max
Iron		0.10-0.15
Others each		0.02 max

Electrochemical capacity: 2700 Ah/Kg nominal

Solution potential: -1050 mV vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request.

Note: All dimensions and weights are nominal. Dimension in mm
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 Anode can also be provided with a coated backbone

scale: n.t.s. Art.: 22480000

drawn: Dwg.: S 8193

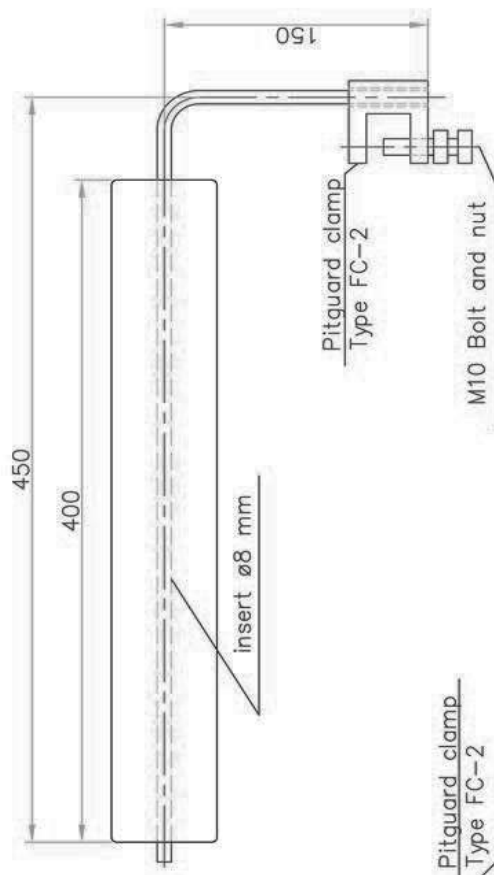
date: Dim.: A-4

T-60-AL PITGUARD

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ZINC PITGUARD ANODES

The next pages gives only a selection of types
we have available.



ZINC ANODE:
 Nett weight 2,4 kg
 Gross weight 2,8 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
	Electrochemical capacity:	780 Ah/Kg nominal
	Solution potential:	-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

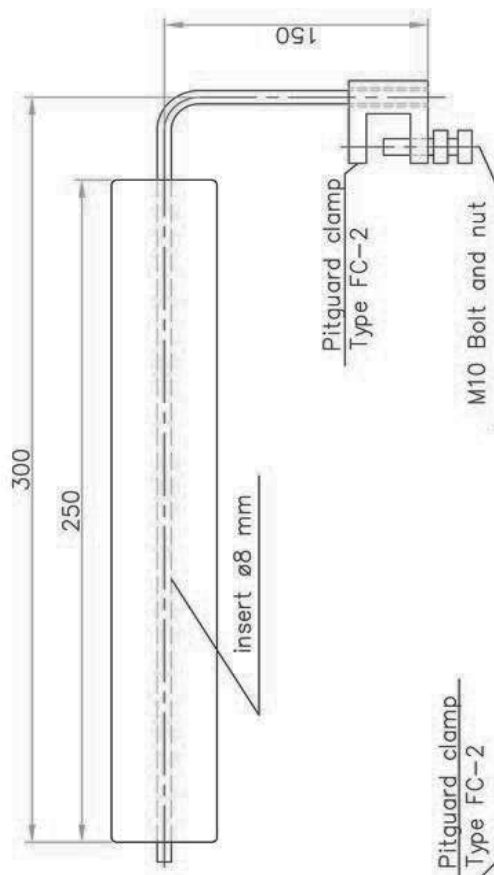
Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

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scale:	n.t.s.	Art.:	
drawn:		Dwg.:	S 8286
date:		Dim.:	A-4

ANODE TYPE T-24-Z PITGUARD

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ZINC ANODE:
 Nett weight 4,3 kg
 Gross weight 4,8 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ah/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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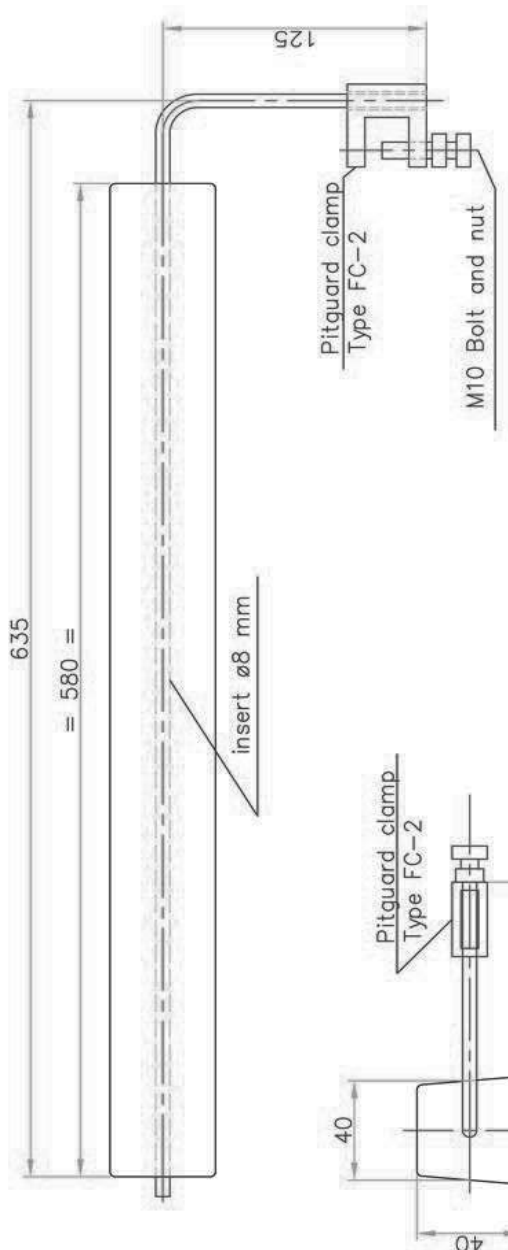
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:
drawn:		Dwg.:
date:		Dim.: A-4

ANODE TYPE T-43-Z PITGUARD

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ZINC ANODE:
 Net weight 7,3 kg
 Gross weight 7,8 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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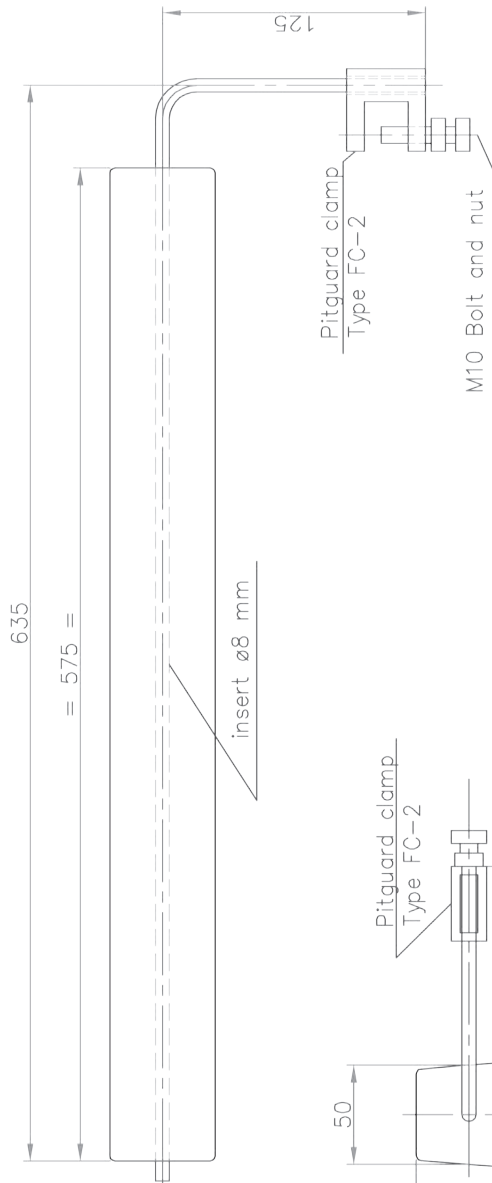
Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm
 All data is subject to change without prior notice
 Anode can also be provided with a coated backside

scale:	n.t.s.	Art.:	806029
drawn:		Dwg.:	S 7704
date:		Dim.:	A-4

ANODE TYPE T-73-Z PITGUARD

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ZINC ANODE:

Nett weight 10,0 kg

Gross weight 10,5 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max
Electrochemical capacity:		780 Ahr/Kg nominal
Solution potential:		-1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

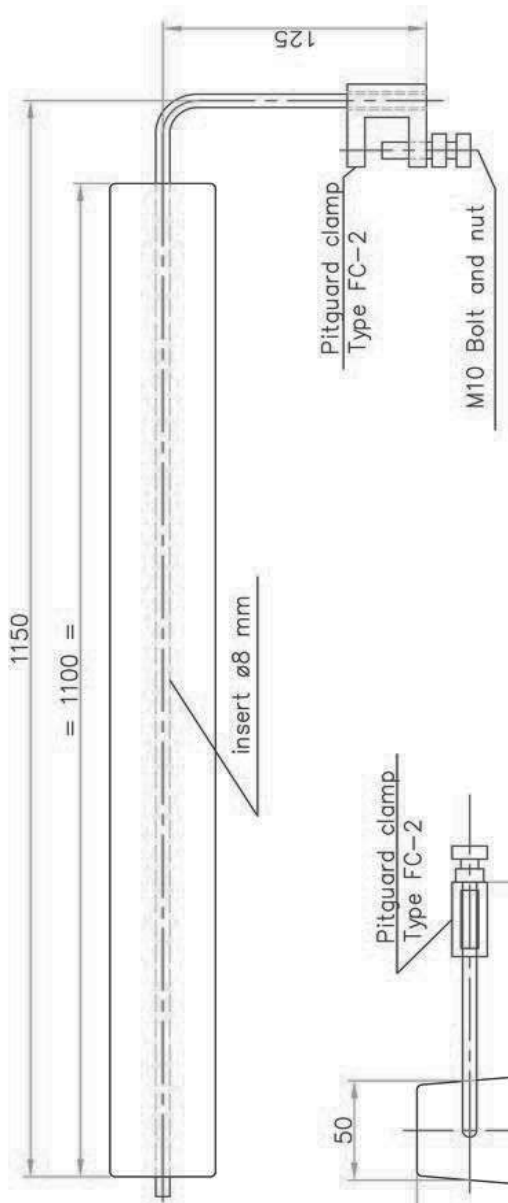
Note: All dimensions and weights are nominal. Dimension in mm
All data is subject to change without prior notice
Anode can also be provided with a coated decal

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scale:	n.t.s.	Art.: 923508000
drawn:		Dwg.: S 7788
date:		Dim.: A-4

ANODE TYPE T-100-Z PITGUARD

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ZINC ANODE:
 Nett weight 12,0 kg
 Gross weight 12,8 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components	Impurities	Percentage (%)
Cadmium		0.025-0.07
Aluminium		0.10-0.5
Zinc	Remainder	
	Copper	0.005 max
	Iron	0.005 max
	Lead	0.006 max
	Others total	0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

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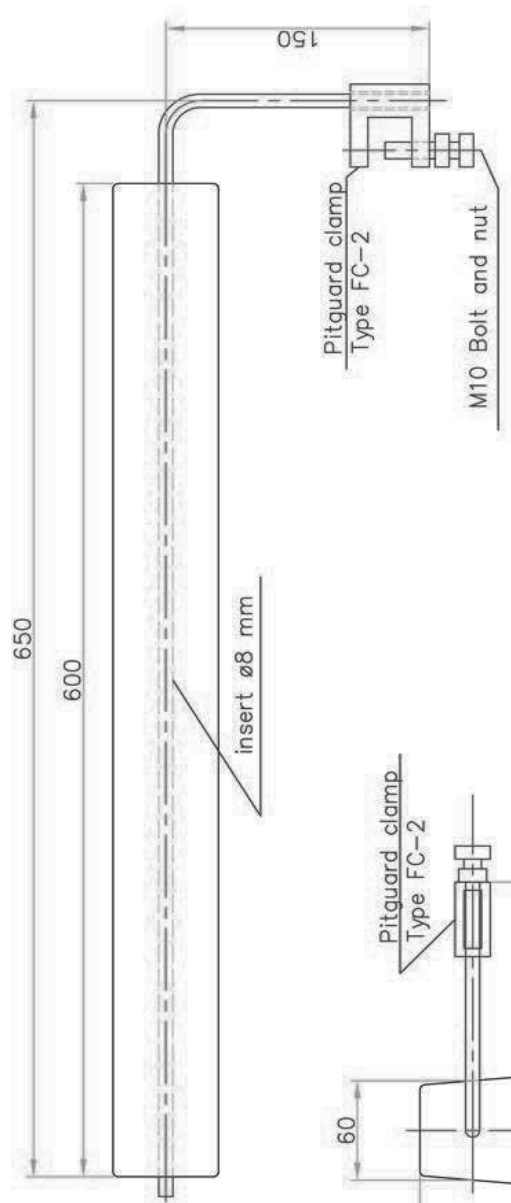
Anode can also be provided with a coated backside

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scale:	n.t.s.	Art.:	806101
drawn:		Dwg.:	S 8379
date:		Dim.:	A-4

ANODE TYPE T-120-Z PITGUARD

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ZINC ANODE:
 Nett weight 15,3 kg
 Gross weight 15,8 kg (incl. clamp)

Zinc alloy specifications acc. US MIL Spec-A-18001K

Components Impurities Percentage (%)

Cadmium 0.025-0.07

Aluminium 0.10-0.5

Zinc Remainder

Copper 0.005 max

Iron 0.005 max

Lead 0.006 max

Others total 0.10 max

Electrochemical capacity: 780 Ahr/Kg nominal

Solution potential: -1050 vs. Ag/AgCl reference cell nominal (in seawater)

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Other specifications are available on request

Note: All dimensions and weights are nominal. Dimension in mm

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Anode can also be provided with a coated backside

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scale: n.t.s. Art.: _____

drawn: _____ Dwg.: _____

Dim.: A-4

ANODE TYPE T-153-Z PITGUARD

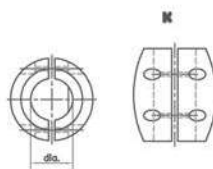
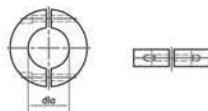
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DIVERSE ANODES AND APPLICATIONS

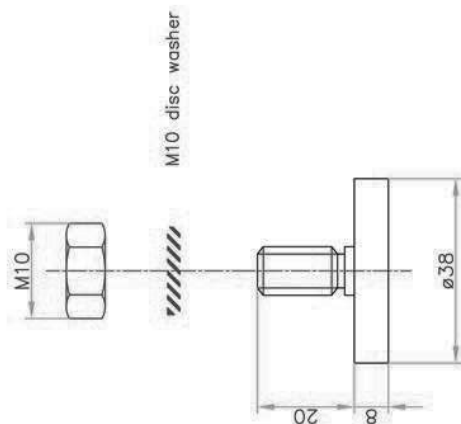
- ZINC AND ALUMINIUM ROD ANODES
- ZINC AND ALUMINIUM SHAFT ANODES
 - ZINC PENCIL AND BRASS PLUGS
 - BACKING SHEETS
 - MOUNTINGS MATERIAL
 - ANTIFOULING ANODES
 - MAGNESIUM ANODES

The next pages gives only a selection of types
we have available.

Zinc and Aluminium Special Anodes

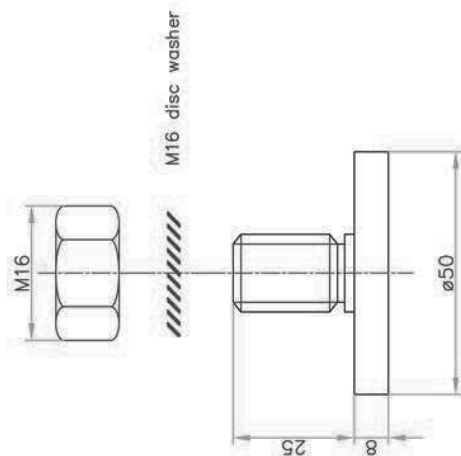
ROD ANODES		
	Type	Dimensions in mm.
	20	dia. 20 L=600
	30	dia. 30 L=600
	40	dia. 40 L=600
	50	dia. 50 L=600
	60	dia. 60 L=600
	70	dia. 70 L=600
	80	dia. 80 L=600
	100	dia.100 L=600
SHAFT ANODES		
	Type	Dimensions in mm.
	CSB 19	dia. 19
	CSB 22	dia. 22
	CSB 25	dia. 25
	CSB 1"	dia. 1"
	CSB 30	dia. 30
	CSB 35	dia. 35
	CSB 40	dia. 40
	CSB 45	dia. 45
CSB 50	dia. 50	
SHAFT COLLARS ANODES		
	Type	Dimensions in mm.
	CSR 19	dia. 19
	CSR 20	dia. 20
	CSR 22	dia. 22
	CSR 25	dia. 25
	CSR 1"	dia. 1"
	CSR 30	dia. 30
	CSR 35	dia. 35
	CSR 40	dia. 40
	CSR 45	dia. 45
	CSR 50	dia. 50
ZINC PENCIL ANODES AND BRASS PLUGS		
	Different types of Zinc Pencil Anodes and Brass plugs are available on request	
BACKING SHEETS		
	For some types of Bolt-on Anodes, there are Neoprene back pads avail-	

type M10C



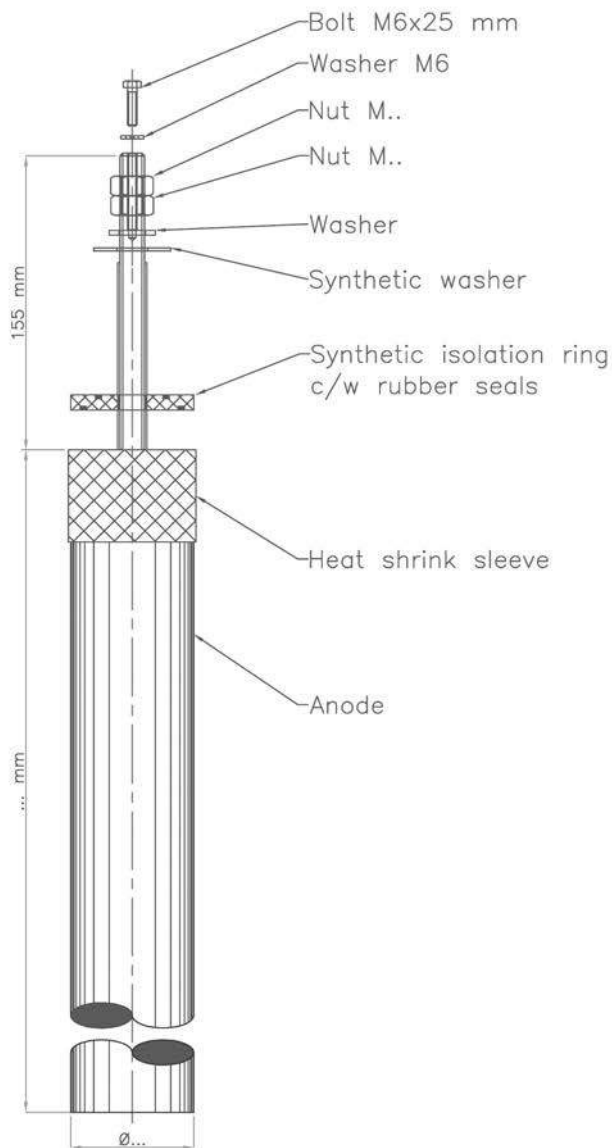
Art.N°: 922703000 (mild steel)
922707000 (Stainless Steel)

type M16C



Art.N°: 922704000 (mild steel)
922708000 (Stainless Steel)

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		scale: n.t.s. drawn: S 7570 date: A-4		Copyright Ampac®. No part of this drawing may be copied, disclosed, or made public, in any form, without written consent of Ampac B.V.	
		Art.: Dwg.: S 7570 Dim.: A-4		STUDASSEMBLIES M-10/M-16	



.. pcs Cu anode : diameter Ø... mm x lenght ... mm
 .. pcs Al anode : diameter Ø... mm x lenght ... mm

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Note: All dimensions and weights are nominal. Dimension in mm
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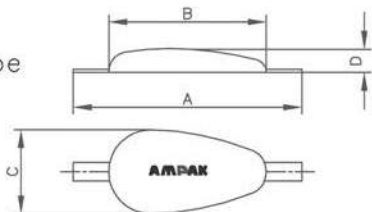
scale: n.t.s.	Art.:
drawn:	Dwg.:
date:	Dim.: A-4

ANTI FOULING ANODES

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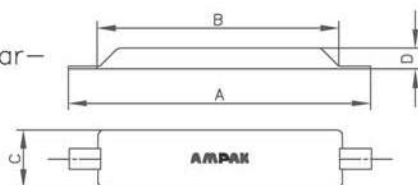
MAGNESIUM HULL ANODES

Pear-shape



TYPE	A	B	C	D	welding strip	weight	
						net	gross
1,3—Mg	180	110	60	27	20x3	0,13 kg	0,2 kg
3—Mg	180	120	80	23	25x3	0,3 kg	0,4 kg
7—Mg	245	170	100	40	25x3	0,7 kg	0,9 kg
18—Mg	430	300	160	35	30x4	1,8 kg	2,2 kg
24—Mg	430	300	160	45	30x4	2,4 kg	2,9 kg

Rectangular-shape



TYPE	A	B	C	D	welding strip	weight	
						net	gross
0,5—Mg	140	95	30	13,5	15x3	0,05 kg	0,11 kg
13—Mg	430	300	90	40	30x4	1,3 kg	1,7 kg
30—Mg	575	465	110	40	40x5	3,0 kg	4,0 kg
40—Mg	630	520	120	40	40x5	4,0 kg	5,0 kg
65—Mg	910	800	120	40	40x5	6,5 kg	8,1 kg

