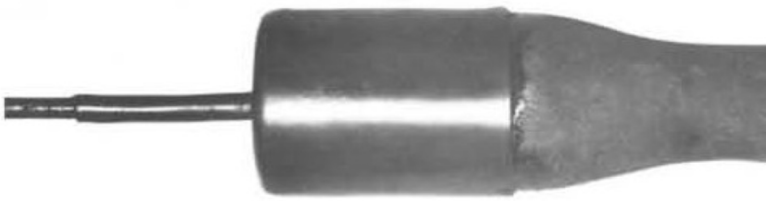
STEP-KO PRODUCTS

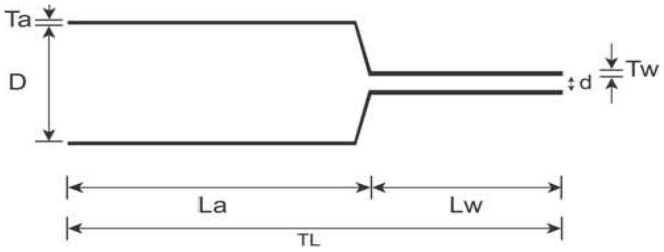
ANODE CAP



Anode cap is Heat Shrinkable Cap, used to seal and protect the critical connection between the lead wire and anode.

It provides stress relief, moisture proofing and electrical insulation at the lead wire exit point. It is the ideal solution to the problem of premature system failure due to corrosion causing lead wire to come out of the anode.

It is made from a highly Cross-linked Polyolefin material. Rubber based mastic coating inside the cap adheres to Anode material and wire insulation which provides water tight sealing according to IP 68 (Ingress Protection).



Technical Specification

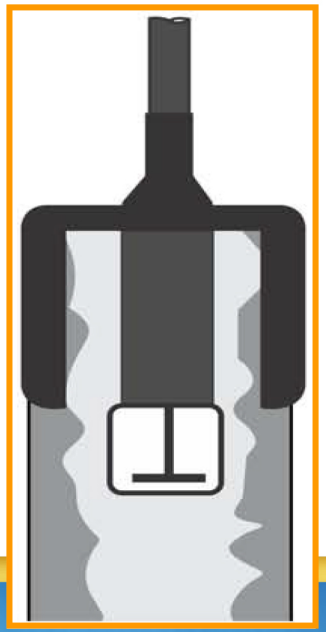
PROPERTIES	VALUE	STANDARD
Physical		
Tensile Strength	12 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.1 gm/cm^3(max.)	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.2 % (max.)	ASTM D570
Corrosion	Non-corrosive	ASTM D2671
Thermal		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm^2 (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Operating Temperature	-55 to +100°C	IEC 216
Electrical		
Dielectric Strength	12 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10^{14} Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150

Selection Chart

All dimensins are in mm.

	Anode End		Lead Wire End		Length (Supplied)			Length (Recovered)			Thickness (After Recovery)	
	D		d		Total	Anode	Wire End	Total	Anode	Wire End	T	
Code	Ds	Df	ds	df	TL	La	Lw	TL	La	Lw	Ta	Tw
	Min.	Max.	Min.	Mix.	±2%	±2%	±2%	±2%	±2%	±2%	f±10%	f±10%
GAC 0420	41	20	13	4.5	120	55	65	140	64	76	3.5	2.5
GAC 0420A	50	20	14	4.5	115	55	60	138	63	75	3.5	2.5
GAC 0540	82	40	16	5.0	150	80	70	180	100	80	4.7	3.7
GAC 0540A	108	40	16	5.0	150	85	65	180	100	80	4.8	3.8
GAC 0550S	108	50	20	5.0	180	90	90	260	125	135	4.7	4.9
GAC 0550	145	50	20	5.0	180	95	85	260	125	135	4.7	4.9

D,d : Internal Diameter; s : as supplied; f; after free recovery;
Ta, Tw: Thickness of Anode & Lead Wire End



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AN ISO 9001, ISO 14001 & OHSAS 18001 CERTIFIED COMPANY

PROTECTING ASSETS FROM THE ENVIRONMENT

Oil & Gas · Pipeline · Water/Wastewater · Industrial

ANODE CAP

OTHER PRODUCTS..

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- Flange Protectors
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- Pipeline Markers and Test Stations
- Insulated Enclosures/Buildings
- Anodes

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