

POINTGUARD DPT ANODES

Discrete Protection Technology

The Pointguard DPT is an anode developed through decades of experience for the cathodic protection of steel in concrete. The anode is specifically designed for applications such as historic buildings, bridges and car parks where discrete areas of the structure need protection. The use of this anode system can avoid extensive overlay repair costs.

Anodes are available in a range of sizes and all are fitted with a resistor in the anode head section to achieve an even average current output and to prevent a short circuit of a zone should an anode come into contact with the structure.

Multiple anodes can be connected to the same anode conductor wire with simple insertion into the anode head section.

ANODE HEAD AND BODY

The anode head and body are made from titanium to ASTM B348
Diameter : 9mm

ANODE MATERIAL

The anode itself is made from 20mm wide titanium/ MMO Coated ribbon mesh formed into a 7-8mm wide tube, with varying lengths according to the current output desired.

Life expectancy @ 110mA/m² is 100 years plus

Life expectancy @ 440mA/m² is 25 years plus

Anode substrate is Titanium to ASTM B265

Anode catalyst is Mixed Metal Oxide, a mixture of ruthenium and tantalum oxide.

RESISTOR

A ceramic resistor is incorporated into the anode head design with varying resistances available according to the anode length specified. Resistances available are :
100 ohm / 220 ohm / 510 ohm

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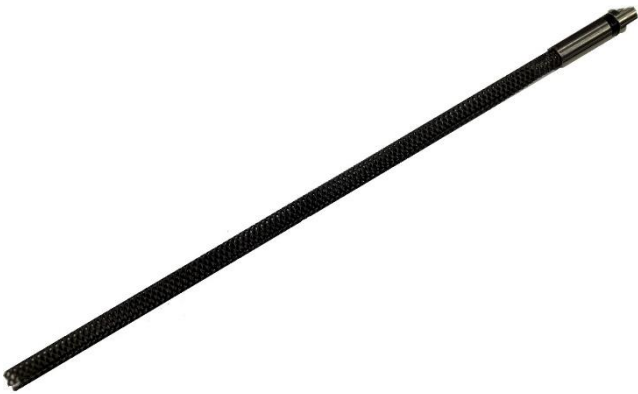
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For vertical installation applications , **Pointguard V** is available with a ribbed interference plug fitting to the anode body through which a venting tube is fed into the anode body and a syringe injection point allows direct injection of the grout into the bored hole.



Anode Type	Active Length (mm)	Anode Type	Active Length (mm)
Pointguard DPT-100	100	Pointguard V DPT-100	100
Pointguard DPT-200	200	Pointguard V DPT-200	200
Pointguard DPT-300	300	Pointguard V DPT-300	300
Pointguard DPT-400	400	Pointguard V DPT-400	400
Pointguard DPT-500	500	Pointguard V DPT-500	500
Pointguard DPT-600	600	Pointguard V DPT-600	600
Tolerance on length $\pm 2\%$			
Alternative lengths available on request			

ACCESSORIES

- BAC supply a specially formulated Pointguard- G low resistance grout for direct application / injection into the cored anode hole.
- Titanium conductor wire 1.2mm diameter coated with XLPE
- Switch Mode Power Supplies rated at 150W output with full remote monitoring and control capability.
- Reference electrodes
- Cathodic protection design engineering services.

