

Backstay Anchor Systems



Our backstay anchors are used for a quick and simple method of stabilisation and guying of telecommunication and national grid infrastructures, including masts and wooden poles. Compliant with Energy Networks Association (ENA) Technical Specification (TS), we supply several Distribution Network Operators (DNO) with our Vulcan Backstay earth anchors.

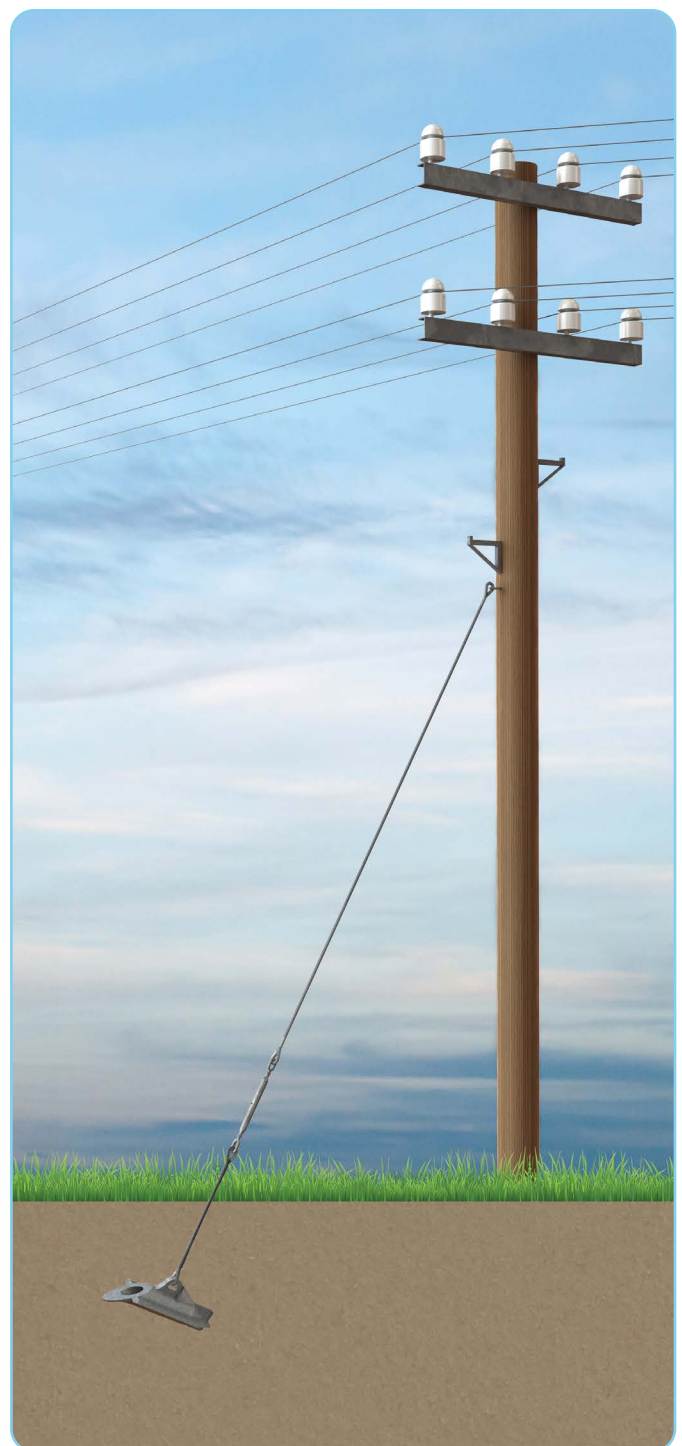
Anchor Systems offer the largest range of earth anchors on the market, providing a wide choice of options readily available for a varying array of applications and load requirements. Well proven in the utilities and telecommunications sector, Vulcan Earth Anchors® have gained industry recognition for outperforming other means of ground anchoring in terms of cost-effectiveness, project delivery times and ease of use. We hold a huge stock of Type 1 and Type 2 utility backstay systems which are compliant to BS: EN 1537.2000 & BS 8081.

The Vulcan Backstay Anchor has been developed based on the requirements set out in the Energy Networks Association (ENA) Technical Specification (TS) 43-91 - (Stay Fitting for Overhead Poles). Our Backstay Anchor is designed with a continuity band that allows electricity to be safely channelled to ground in the event of a lightning strike.

Utility Applications for the Vulcan Earth Anchor

- Emergency restoration towers
- Telecom poles
- Masts and antennas
- Electricity poles
- Power line crossings
- Tower refurbishment or replacement
- Alternative to concrete Kentledges

***Anchors available for 10-450 kN
and can be supplied with or without
Turnbuckles.***



Anchor Types & Plant

Anchor Systems provide various anchors that can hold loads of between 10-450kN. We will work with you on your project to make sure you are using the best anchor and system to achieve the loads you need. The two most commonly used Backstay Anchors are the AS90 with either a 2m or 3m tendon.

Handheld and machine mounted plant can be hired or purchased from Anchor Systems and we will make sure you have the correct equipment to complete your job quickly and efficiently.

	Anchor Stay Lock Load 2m Tendon	
	Item	Specification
	AS90/MR-1 Galvanised Vulcan Earth Anchor	Rated at 90 kN
	10mm Galvanised Plastic-Coated Wire	2m x 10mm wire coated to 12mm. Rated at 63 kN
	M20 Galvanised Rigging Screw	Rated at 65 kN

	Anchor Stay Lock Load 3m Tendon	
	Item	Specification
	AS90/MR-1 Galvanised Vulcan Earth Anchor	Rated at 90 kN
	10mm Galvanised Plastic-Coated Wire	2-3m x 10mm wire coated to 12mm. Rated at 63 kN
	M20 Galvanised Rigging Screw	Rated at 65 kN



HANDHELD BREAKER / TRUNDLE PACK

We offer a range of handheld percussion driving and loading equipment designed for the installation of our Vulcan Earth Anchors (AS-10 (10kN) – AS-90 (90kN)). Individual plant weight has been kept as low as possible to make installation easy. We have also developed the Trundle Pack which contains the installation equipment you need all together on one easy to manoeuvre trolley.

MACHINE MOUNTED

All installation above 90kN needs to be installed using by machine (max 15 ton) with the correct mounted equipment required for our heavy-duty range of anchors ranging from 90kN to 450kN capacity. We can supply an adaptor pot fit for breaker points up to 110mm, drive adaptor and drive extensions.



Installation in Pictures

