

The logo for Anchor Systems (Europe) Ltd is located in the top right corner. It features the company name in a bold, white, sans-serif font, enclosed within a white, stylized circular graphic that resembles a partial arc or a swoosh. The background of the entire image is a photograph of a utility pole with a back stay anchor system. The pole is made of wood and has several cross-arms with insulators. A metal cable runs from the pole down to a metal anchor plate embedded in the ground. The sky is blue with some light clouds, and there is a strip of green grass at the base of the pole. A large, light blue curved graphic element is on the right side of the image.

**ANCHOR  
SYSTEMS**  
(EUROPE) LTD

**DUCKBILL<sup>®</sup>**  
**Back Stay Anchors**  
*Generating Pulling Power*

# DUCKBILL® Back Stay

Formed in 1995, **Anchor Systems (Europe) Ltd** supplies the well proven and versatile range of Duckbill mechanical ground anchor systems throughout the UK and Europe. They have been employed worldwide for a considerable variety of structural and groundwork applications and now, due to demands from the power generating companies, new Back Stay Anchors have been developed and added to the Duckbill range which are:

- **Quick and easy to install**
- **Efficient and reliable**
- **Economical**
- **Effective in all ground conditions**
- **Independently tested and trials by Sheffield Testing laboratories**
- **Fit for purpose and conform with code of practice BS: EN 1537.2000**



## Comprehensive Service

Anchor Systems provides a comprehensive advice and technical support service. This includes specification assistance based on load requirements, safety aspects, soil conditions and the design life of the system

Back Stay anchors should always be proof tested on site, to confirm the holding capacity, prior to commencement of the works. Anchor testing should conform to code of practice BS8081 and all equipment gauges should be calibrated annually.



[www.anchorssystems.co.uk](http://www.anchorssystems.co.uk)

# Anchors

Performance of the system is entirely dependent on the substrate conditions but the anchor type can be changed on site if difficult conditions are encountered. No special tools are required to make this change as the anchors are simply shackled together.



Standard MR2 - 40kN Anchor



Standard MR1 - 60kN Anchor



Anchor Hard Eye, supplied with a continuity band to avoid any possible earthing problems.



Eye-to-eye Turnbuckle



## HELICAL ANCHORS

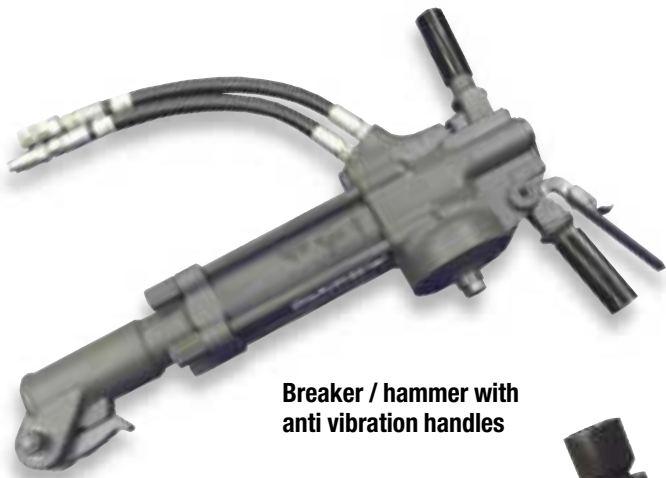
Helical screw-in anchors are a quick, simple and reliable means of creating secure fixing points in the ground. Manufactured from galvanised steel, they consist of an anchor shaft with an angled disk at the lower end.

Installation is normally by powered augering and requires no large or expensive equipment. The achievable holding capacity is dependent upon the ground conditions but with the correct anchor in the right conditions holding capacities of up to 50kNs are attainable. As the anchors are screwed in they can, when not in use, be unscrewed for re-use at other locations.

## TYPICAL RISK ASSESSMENT

Access	Low Risk	All work to be carried out by trained personal	
Power	Low Risk	Tripping	Clear all hoses/leads
Lifting	Low Risk	Back Injury	No equipment to be lifted greater than 25kg per person
Installation	Medium Risk	All plant and equipment is to be operated by trained personal.	
P.P.E.	Hard Hats Ear defenders	Safety Boots Anti-vibration Gloves	Goggles Overalls High visibility jackets





**Breaker / hammer with anti vibration handles**



**Driving the anchor**



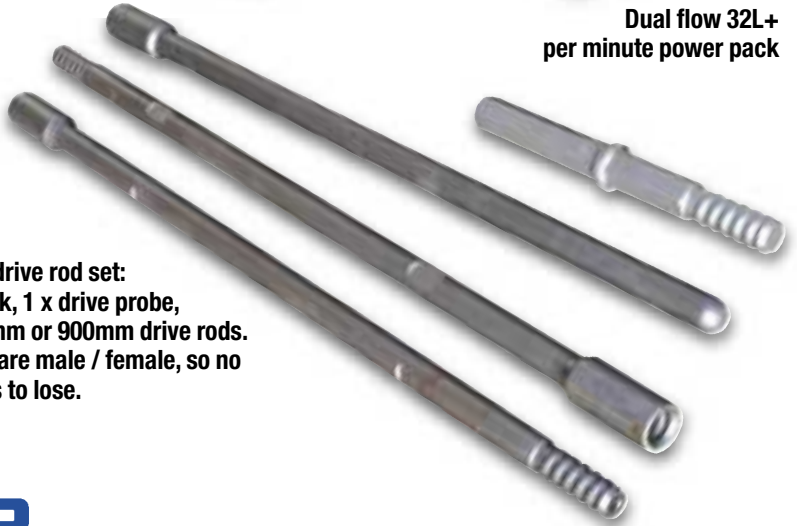
**Fast and efficient loading of the anchor.  
No bending or squatting – all at eye level.**



**High speed load locker**



**Dual flow 32L+ per minute power pack**



**4 piece drive rod set:  
1 x shank, 1 x drive probe,  
2 x 600mm or 900mm drive rods.  
All rods are male / female, so no couplers to lose.**



**Anchor Systems (Europe) Ltd  
Unit 45, Rowfant Business Centre, Wallage Lane  
Rowfant, West Sussex England RH10 4NQ**

**Tel: +44 (0) 1342 719362 Fax: +44 (0) 1342 719436  
e-mail: info@anchorsystems.co.uk**

**www.anchorsystems.co.uk**

