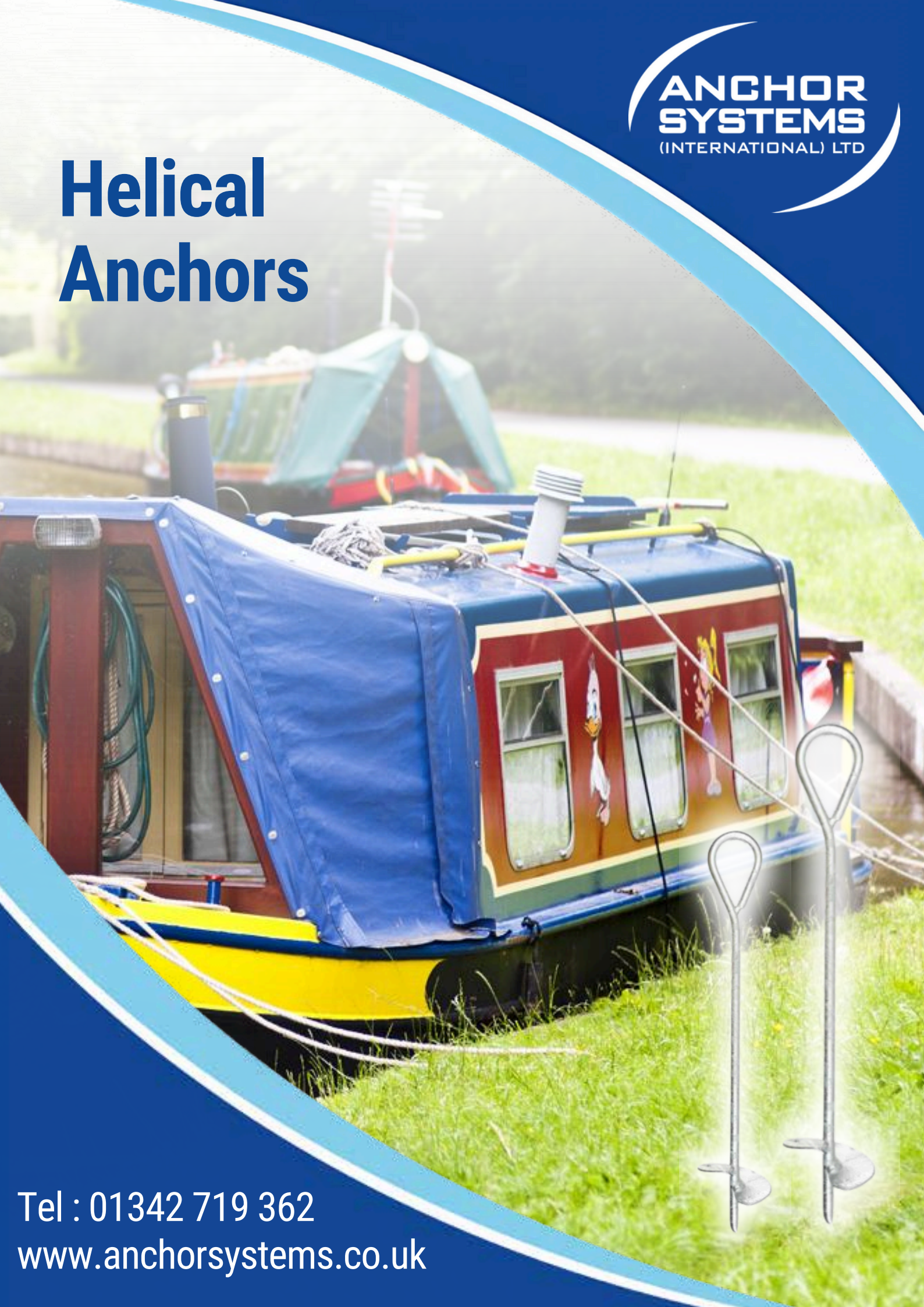


# Helical Anchors



# Helical Anchor Systems

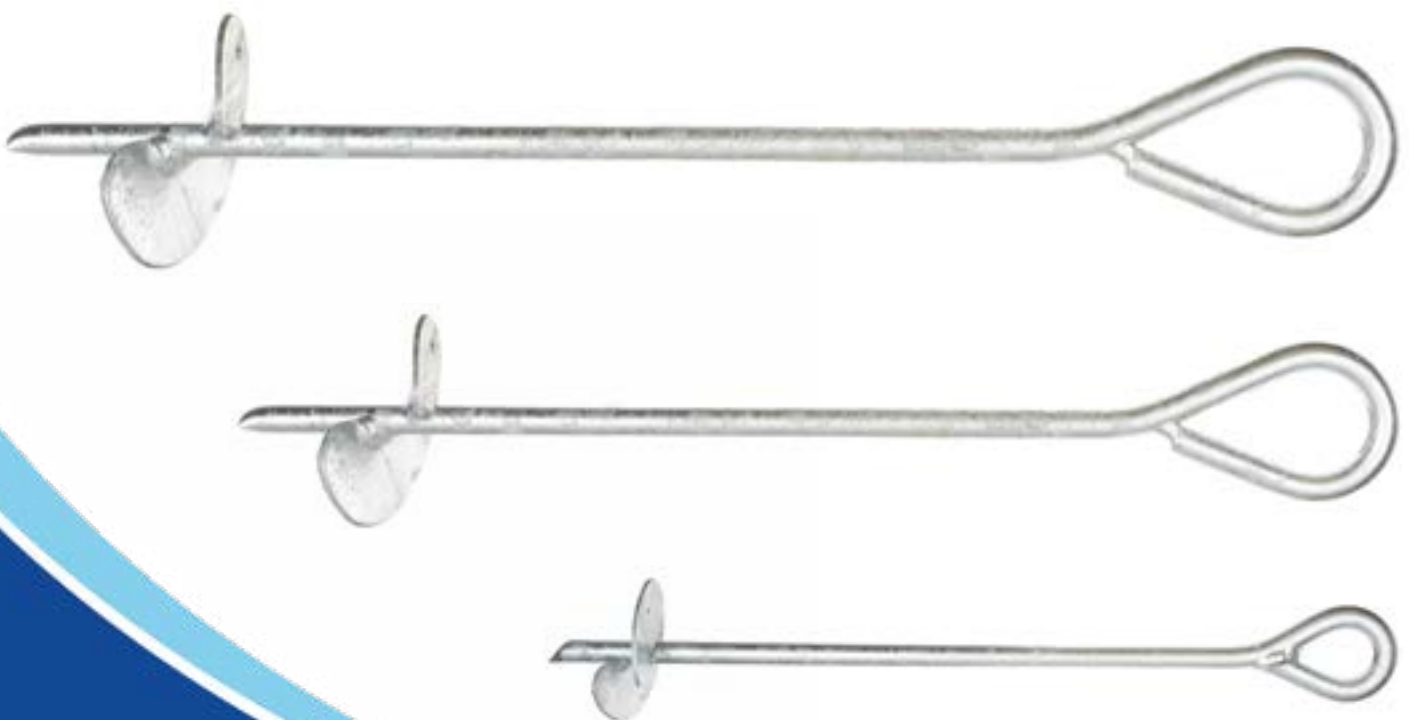
Anchor Systems (International) Ltd was the original inventor of the helical anchor to which we hold the UK registered design.

Our helical anchors can be used as an alternative to our lower capacity Vulcan Earth Anchors in areas where access is difficult and heavily restricted and where the use of any machinery or plant is completely impracticable. These are easily installed using a small hand-held bar or lightweight auger equipment.

Our range of helical anchor solutions are mainly used for the securing of working lines and rope access at the top of large embankments, so a workforce can safely abseil down the slope to perform maintenance. Our helical anchoring systems have been heavily adapted for their many benefits over other alternative systems and are designed for loads between 100kg and 2000kg. Our range of 5 different sizes are available in lengths of 400mm to 2000mm. Bespoke designed helical anchors and systems can easily be designed by our helpful and knowledgeable team to meet all your specific requirements.

## Benefits

- Lightweight
- Installed by hand
- One single component
- Cost effective
- Durable
- Re-usable
- Removable
- Instant loading capacity
- Zero plant required
- Can be easily load/proof tested if required
- Limited soil damage
- Suitable for any displaceable ground
- Bespoke designs available
- Large stock available



# Helical Anchor Systems

The length and diameter of the shaft and the diameter and thickness of the anchor disk are dependent upon the anchor's purpose, the screw-in depth and the required holding capacity. Anchor Systems can advise on the most suitable type and size of anchor but will require information on its intended use, loading capacity and the ground conditions present.

Helical Anchor Loading Capacity Chart		
Model No	Length of Helical Anchor (mm)	Loading Capacity (Kg)
HA 400	400	100-400
HA 600	600	200-600
HA 1200	1200	500-1200
HA 1500	1500	650-1500
HA 2000	2000	1000-2000

## INSTALLATION

Installation is either by hand or by powered auguring but 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.



With their ease of operation, helical anchors are ideal for confined spaces and avoid damage both to the soil structure or crops and to nearby structures and can be loaded to their full capacity immediately after installation.

This example shows the chain being passed through the eye of the helical anchor above ground to secure this power pack.



# APPLICATIONS & TYPICAL USES

- Rope access systems
- Tethering
- Security point(s)
- Bridge foundations
- Building foundations
- Temporary structures
- New build foundations
- Extension and conservatory foundations
- Abseiling/rock climbing
- Wind turbine installation
- Foundation repairs and underpinning
- Wide of domestic garden uses

