

PRODUCT INFORMATION SHEET

Flexible Earth Percussion Anchor

The **Flexible Earth Percussion Anchor** from Kapsons is an innovative solution for slope stabilization and erosion control, designed to provide superior load capacity and installation efficiency. This versatile anchoring system is ideal for both temporary and permanent stabilization of slopes, embankments, and retaining structures. Its flexibility and robustness make it suitable for various geotechnical applications, ensuring safety and stability across different soil conditions.

Key Features

- **High Load Capacity:** Designed to maximize load capacity, the anchor system can withstand high tensile forces, ensuring reliable performance in stabilizing slopes and other structures.
- **Corrosion Resistance:** The system components, including the anchor head and wire rope tendon, are made from corrosion-resistant materials, ensuring long-term durability in harsh environmental conditions.
- **Easy Installation:** The anchor is pre-assembled and features a design that allows for efficient installation without the need for heavy equipment or large workspaces.
- **Re-tensioning Capability:** The system is equipped with re-tensioning technology, which negates the need for time-consuming crimping, making it easier to adjust and maintain.

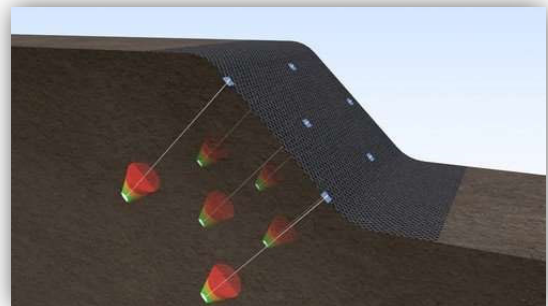
Applications

- Slope stabilization and reinforcement
- Retaining structure support
- Embankment strengthening
- Excavation stabilization (temporary or permanent)
- Control of buoyancy and uplift pressure in foundations

Installation Guidelines

The Flexible Earth Percussion Anchor is installed by driving the anchor into the soil using a drive rod until the desired depth is achieved. The anchor is then locked into place, and the bearing plate is secured. The re-tensioning mechanism allows for adjustments after installation to ensure optimal performance.

Anchor Type		EA-1	EA-2
Properties	Unit	Specification	
Anchor Head			
Material		Iron Casting	
Surface Area	mm ²	3,870	7,740
Wire Rope Tendon			
Material		Galvanised Steel Core	
Diameter	mm	3	6
Strand Construction		1x19 Strand	7x19 Strand
Tensile Strength	N/mm ²	1,770	
Top Bearing Plate			
Dimension	mm	200 x 200	200 x 200



Advantages

- **Efficient Installation:** No need for grouting or heavy equipment, making it ideal for remote or restricted access sites.
- **Versatile Applications:** Suitable for a wide range of geotechnical projects.
- **Long-Term Stability:** Provides reliable support for both temporary and permanent stabilization needs.
- **Environmentally Friendly:** The open-face design of the bearing plate allows for vegetation growth, promoting a green and sustainable approach to slope stabilization.