

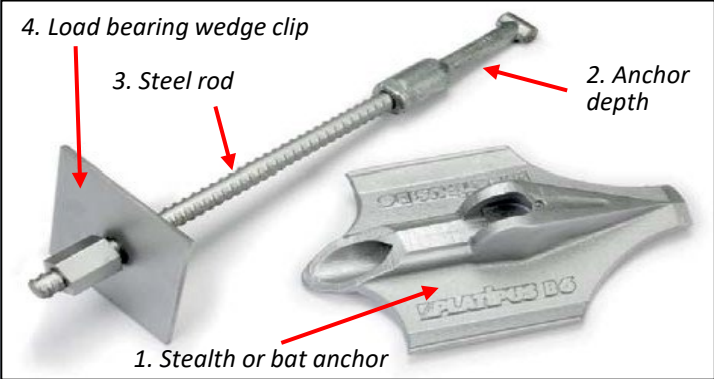
PLATIPUS

EARTH ANCHORING SYSTEMS

Platipus is a unique mechanical percussion anchor system that consists of a soil nail or a steel wire coupled to a headlock device. When driven into the soil to a minimal depth, the rod or wire can be tensioned to activate the lock mechanism, creating a highly resistant pull-out. A bearing plate and wedge grip top fitting lock the load transmitted from the headlock. It is supplied in a complete assembly to a pre-determined depth and strength.

The Four Components of Anchor

1. Stealth or bat anchor, chisel drive point with load locking gear
2. Position anchor depth termination
3. Wire tender or steel rod or strap loading carrying element
4. Top fitting load-bearing plate & bolt or wedge grip.

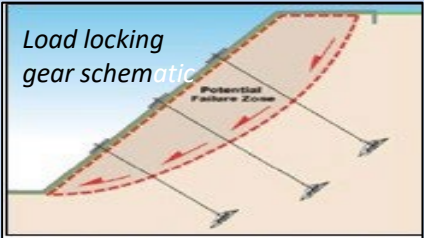
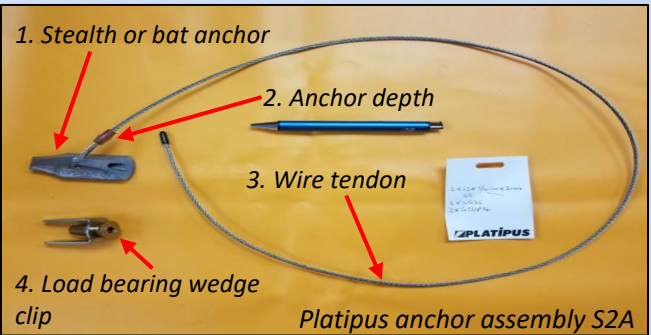


Characteristics of the Anchor

- Lightweight, corrosion-resistant
- Fast & easy to install, requires no grouting
- Minimal disturbance to soil
- Immediate quantifiable load (10 – 200 kN)

Applications of the Anchor

- Fastener for erosion and scouring
- Shallow slip remedial
- Temporary cut stability
- Retaining structure tie back
- Rock retention
- Buoyancy anchor
- Guyed wiring
- Scaffolding security
- Foundation support
- Surface cover pinning



Erosion mat secured by Platipus anchor
3rd runway, Hong Kong



Slop stabilization and erosion
mat anchor



Temporary embankment stabilization



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