

Screw Pile Info Sheet

What is a Screw Pile?

A Screw Pile is a cylindrical steel tube used with a helix (thread) to screw down through unstable soil to a firm foundation.

Uses of Screw Piles

- To support structure in filled or unstable ground by screwing down through the overlaid soil to a solid base often several feet below the surface.
- In lieu of stumps.
- For support over easements (angle of repose).
- In areas where minimal earth disturbance is required for environmental reasons, e.g. tree roots.
- Industrial pipe support especially in unstable or reactive ground.
- As anchors for structures such as large signs, large light poles, towers etc.
- For support points for verandah/porch roofs where there may be an uplift factor due to winds etc.

Benefits of a Screw Pile

- Quiet installation, no vibration.
- No pre-drilling required (under normal circumstances).
- No bore hole spoil to be carted away.
- Quick installation (house lots usually completed same day).
- Can be extended during installation.
- Can be installed where there are difficult site areas.
- No building inspection required.
- Can be built on immediately.
- Minimal wastage if any.
- Can be installed in wet terrain.