

Mini-piles are small diameter piles, with the capability of sustaining high loads. The drilling equipment and methods allows micropiles to be drilled through virtually every ground conditions, natural and artificial, with minimal vibration, disturbance and noise, at any angle below horizontal. The equipment can be further adapted to operate in locations with low headroom and severely restricted access.

The load is mainly accepted by the steel and transferred via the grout to the surrounding rock or soil by high values of interfacial friction with minimal end bearing components, as in the case for ground anchors and soil nails. The majority of micropiles are between 100 and 250 mm in diameter, 15 to 30 m in length and 250 to 1000 kN in compressive or tensile service load, although far greater depths and much higher loads are also being use. Mini-Piles are preferred supports to stabilize buildings, bridges, highways, homes, towers, other man-made structures, etc.



