

Tension – Many helical piers are subject to Tension forces(also known as uplift). Note the purple arrows in the drawing to the right. Tension forces tend to either pull the helical pier out of, or pull the pier into the ground. Tension forces can act on a helical pier both above and below the ground surface. Examples of tension forces below grade are earth pressures and seismic activity. Examples of tension forces that can act on helical piers above grade are any structures attached to the pier that pull upward on the pier.

Helical Pier applications that include measurable Tension.

- Residential Buildings
- Commercial Buildings
- Pipelines
- Guy Anchors
- Tie Downs for tents, etc...
- Moorings
- Docks

