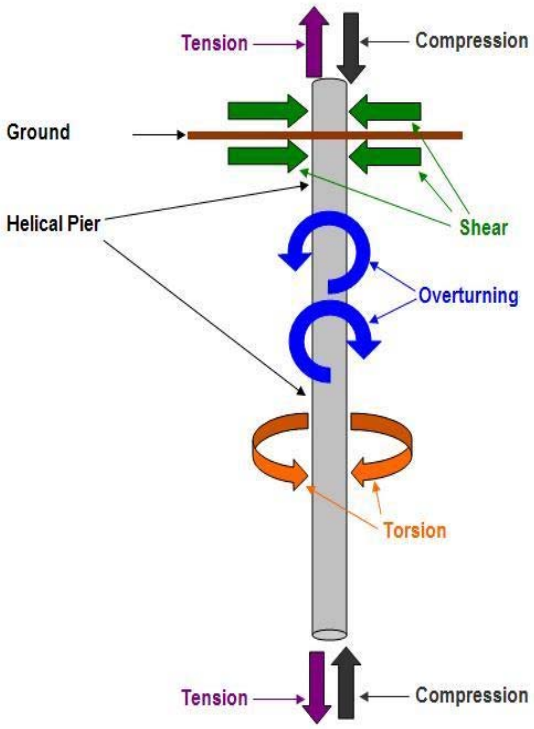
Compression – Many helical piers are subject to compressional forces(also known as vertical loads). Note the gray arrows in the drawing to the right. Compressions forces tend to either push the pier into the ground or push upward against a load bearing pier. Compressional forces can act on a helical pier both above and below the ground surface. Examples of shear forces below grade are earth pressures and seismic activity. Examples of compressional forces that can act on helical piers above grade are any structures attached to the pier with measurable weight.



Helical Pier applications that include measurable compression.
Residential Buildings
Commercial Buildings
Soundwalls
Pipelines
Generators
Boardwalks
Decks