

Overtuning – Many helical piers are subject to Overtuning moments. Moments are a little more difficult to explain than a simple force. Note the blue arrows in the drawing to the right. Overtuning moments on helical piers tend to be the result of other forces acting on the pier. The Overtuning moment is the tendency of the helical pier to rotate in the soil, usually as a result of a shear force acting simultaneously on the pier. The taller the structure attached to the helical pier, the more significant the moment.

Helical Pier applications that include measurable Overtuning moments.

- Billboards
- Soundwalls
- Lighting
- Signage & Signals
- Cellular Towers
- Moorings
- Docks

