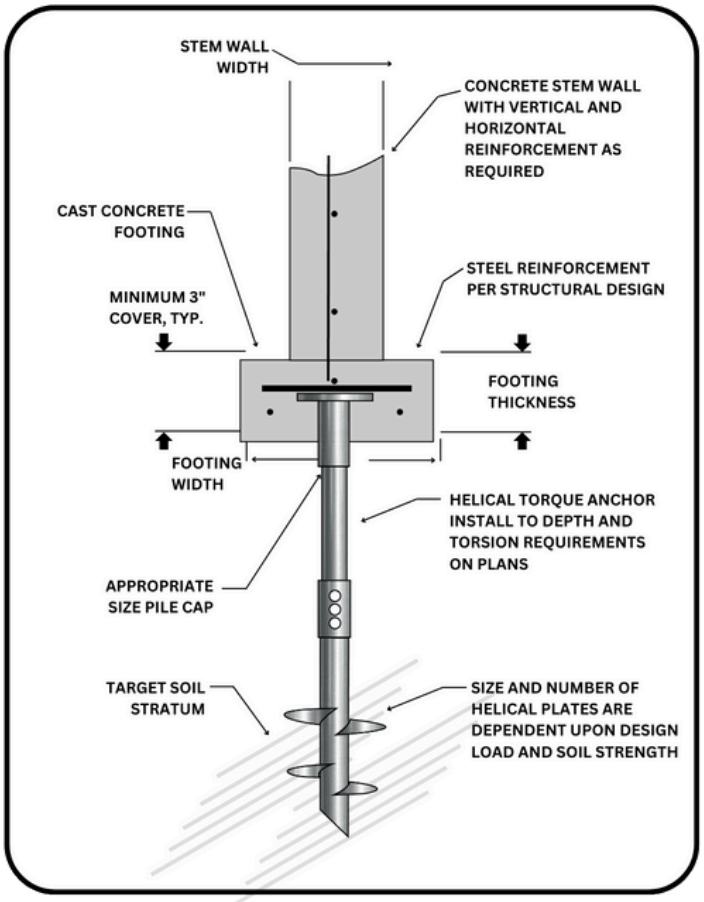
IWP INDUSTRIAL

NEW CONSTRUCTION HELICAL TORQUE ANCHORS™

All across the country the engineering community has been specifying helical piles for deep foundation support. Over the last 200 years, advanced technology and further studies have proven helical piles to be a suitable option for both tension and compression load applications.

Helical Torque Anchors are hydraulically advanced into the ground to a predetermined depth based on soil data and by measuring torque during installation. The amount of torque required to install a helical anchor relates to its installed ultimate capacity. The piles are installed at intervals between the footing forms and tie into the steel grid-work prior to pouring concrete.



BENEFITS:

- **Decreased Installation Time**
- **No Concrete Delays**
- **All Weather Installation**
- **Verifiable Capacity**
- **Installs Below Active Soil Layers**
- **Low Installation Cost**

Contact Us

316-308-8507 Justinswitzer@iwpfr.com

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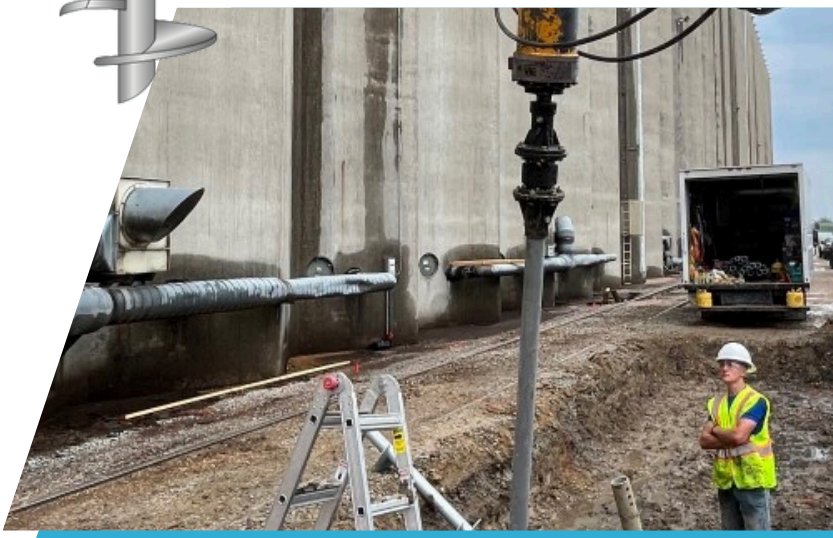
Displacement Efficiency:

As the helical pile is twisted into the ground, the soil is compacted around the pile shaft and helix, creating a tight fit with minimal disturbance to the surrounding soil structure.

Additional Benefits:

- **Installs In Areas of Limited Access**
- **Can Be Loaded Immediately**
- **Installs With Small Equipment**
- **Designed & Engineered To Perform**
- **Installs With Little or No Vibration**
- **Soil Removal from Site Unnecessary**



Capacities of ECP Helical Torque Anchors

Shaft Size	Installation Torque Factor (k)	Axial Compression Load Limit	Ultimate Tension Strength	Useable Torsional Strength	Practical Load Limit Based Tortional
1-1/2" Square Bar	9-11	70,000 lb.	70,000 lb.	7,000 ft-lb	70,000 lb.
1-3/4" Square Bar	9-11	100,000 lb.	100,000 lb.	11,000 ft-lb	100,000 lb.
2" Square Bar	10-12	200,000 lb.	200,000 lb.	23,000 ft-lb	200,00 lb.
2-7/8" Tubular - 0.203"	8-9	60,000 lb.	60,000 lb.	5,500 ft-lb	60,000 lb.
2-7/8" Tubular - 0.262"	8-9	100,000 lb.	100,000 lb.	9,500 ft-lb.	100,000 lb.
3-1/2" Tubular - 0.330"	7-8	150,000 lb.	150,000 lb.	13,000 ft-lb	150,000 lb.
4-1/2" Tubular - 0.337"	6-7	160,000 lb.	160,000 lb.	22,000 ft-lb	160,000 lb.

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